



May 1, 2025
L-2025-095
10 CFR 50.36a

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Re: Seabrook Station
Docket No. 50-443
Renewed Facility Operating License NPF-86

2024 Annual Radiological Environmental Operating Report

Pursuant to the requirements of 10 CFR 50.36a and Seabrook Station Technical Specification 6.8.1.3, NextEra Energy Seabrook, LLC submits the 2024 Annual Radiological Environmental Operating Report. The report summarizes the implementation of the NextEra Energy Seabrook, LLC Radiological Environmental Monitoring Program (REMP). Enclosure 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 have any questions regarding this submission, please contact Maribel Valdez, Fleet Licensing Manager, at 561-904-5164.

Sincerely,

A handwritten signature in black ink, appearing to read "Ken Mack", written over a horizontal line.

Kenneth A. Mack
Director, Licensing and Regulatory Compliance



May 1, 2025
L-2025-095
10 CFR 50.36a

Enclosure 1

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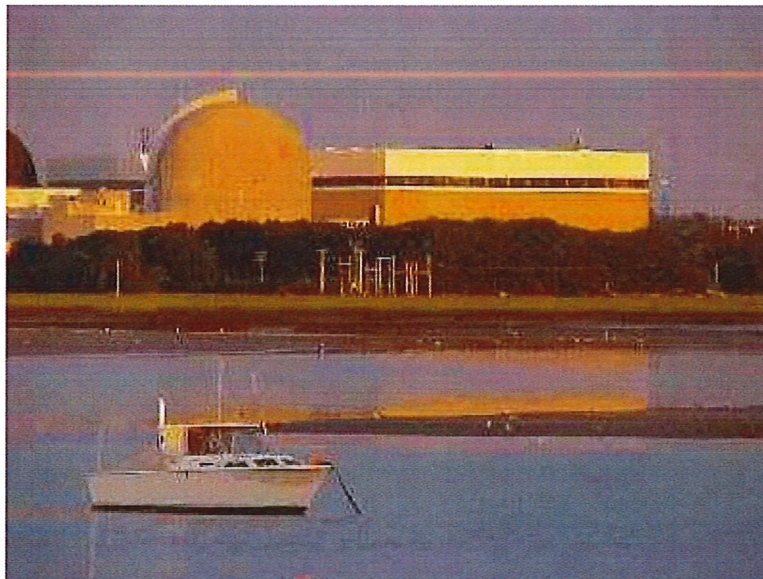
NextEra Energy Seabrook, LLC

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Enclosure 1
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT
(288 pages follow)



2024 Annual Radiological Environmental Operating Report



April 2025

103-4144-000

SEABROOK STATION
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

For the Period
January - December 2024

Docket No. 50-443

Prepared By:

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SEABROOK STATION
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

For the Period
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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 2024. 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, 2024 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 measurable 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 2024 of at least 576 samples, with a total of 2416 individual measurement analyses. In 2024, the total number of sample analysis sets (both required and non-required) equaled 754 taken from 98 locations around Seabrook Station. These were collected from aquatic, atmospheric, and terrestrial environments. An estimated 5118 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 2024 included an additional 18 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:

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

Based on the analytical results of environmental samples during 2024, 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 2024, the maximum whole body dose to the hypothetically exposed individual due to Seabrook Station effluents and operations was estimated to be 0.0535 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 0.214% 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 2024 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 2024 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 milk. Neither fish, shellfish, nor terrestrial food products (strawberries, green beans, and tomatoes) had any detectable fission product related radioactivity. No radionuclides related to plant effluents were detected in any of these sample media during 2024. For the one fission product (Cs-137) detected in milk, 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 2024 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 2024 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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ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

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 gamma and neutron 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 2024. 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

<u>Media</u>	<u>Sampling Frequency</u>	<u>Required Analyses</u>
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 and integrated neutron exposure for DFS locations
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)}
2024

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)}
2024

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)}
2024

<u>Station Code</u> (Media - Sta. No.)	<u>Station</u> <u>Description</u>	<u>Zone</u>	<u>Approx.</u> <u>Distance</u> <u>From</u> <u>Plant</u> <u>(km)</u>	<u>Direction</u> <u>From</u> <u>Plant</u>
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 reports.

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

(b) Table reflects those locations included in the 2024 sample collection program.

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

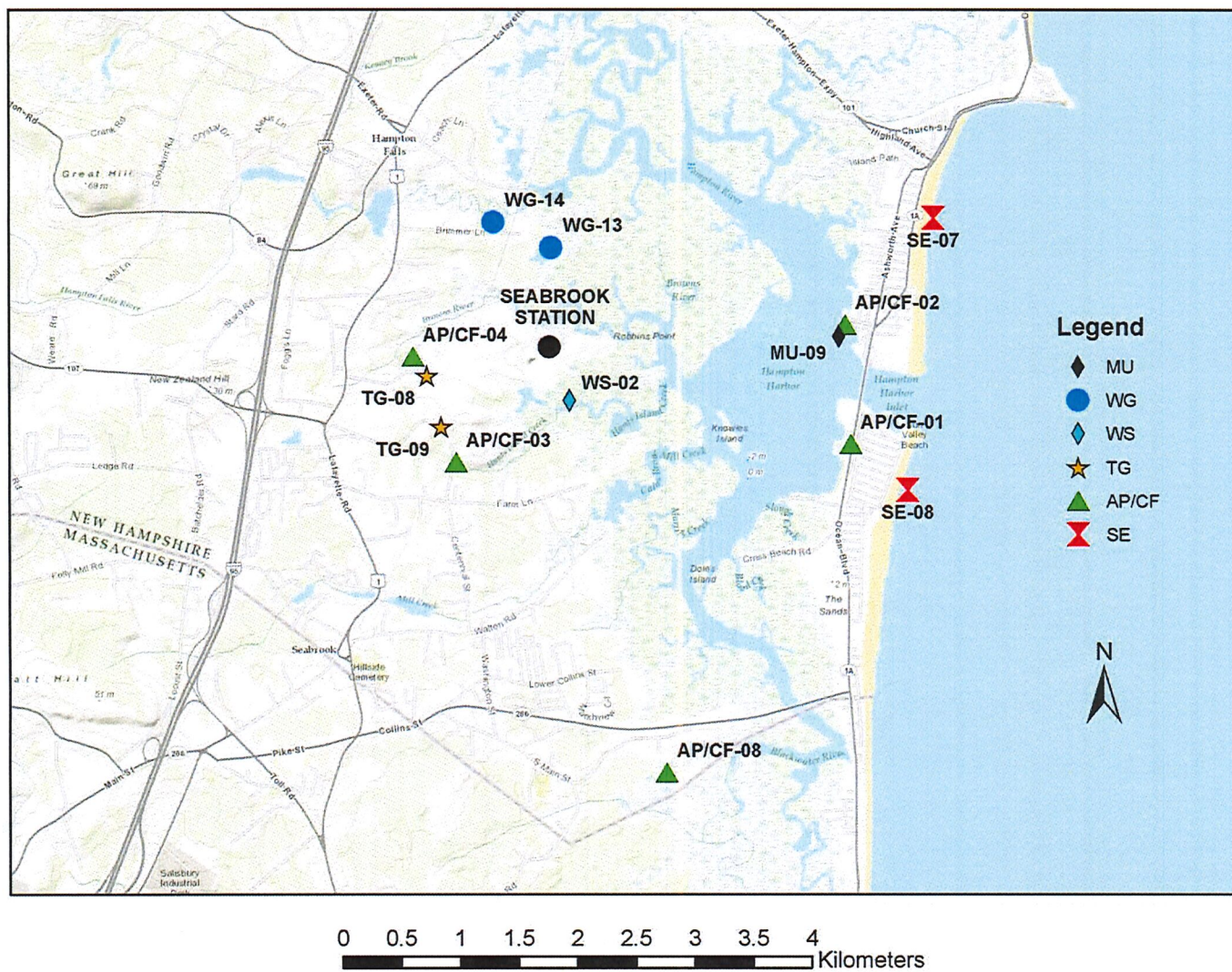


Figure 2.2 Radiological Environmental Monitoring Locations Between 4 & 12 Km of Seabrook Station

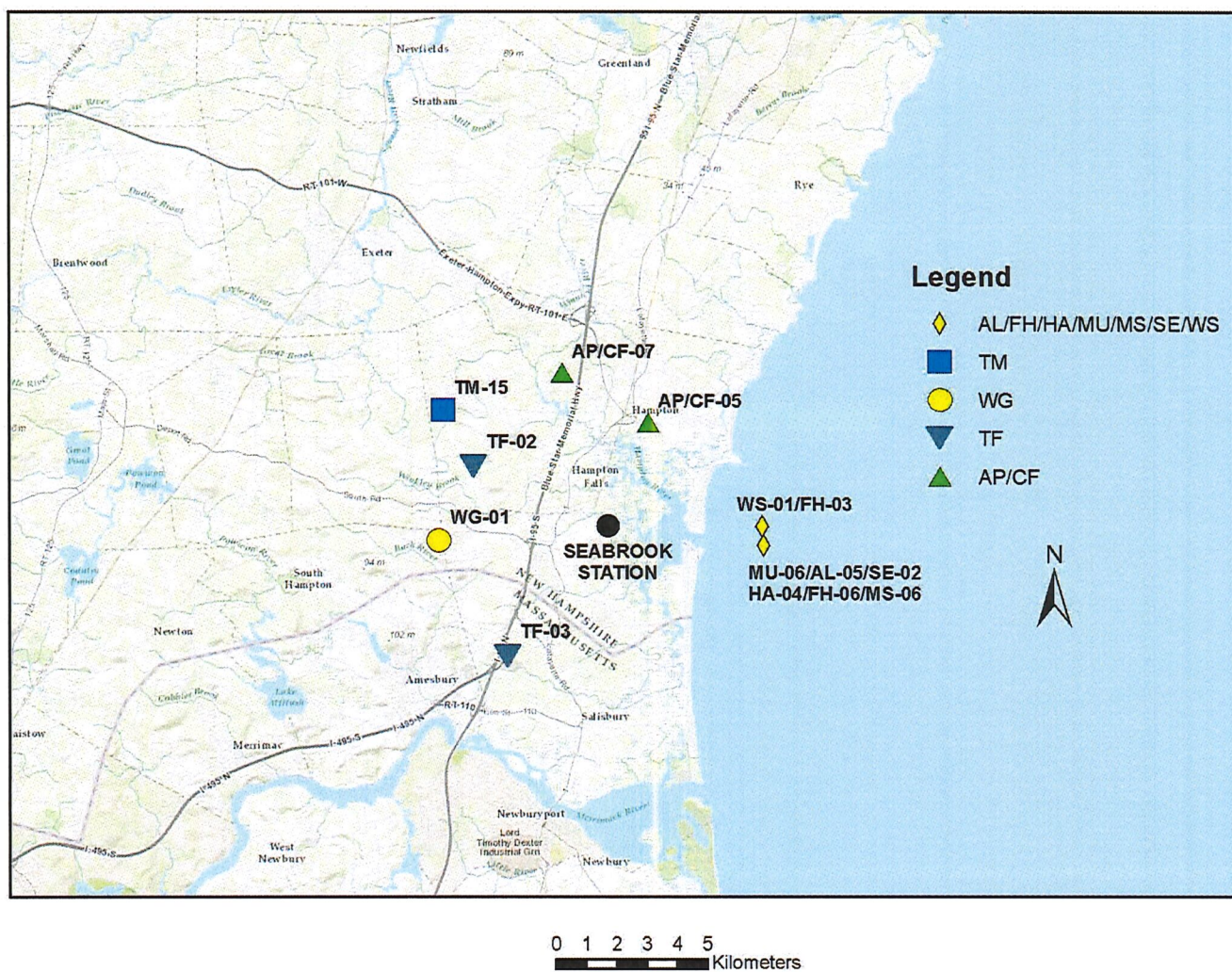


Figure 2.3 Radiological Environmental Monitoring Locations Outside 12 Km of Seabrook Station

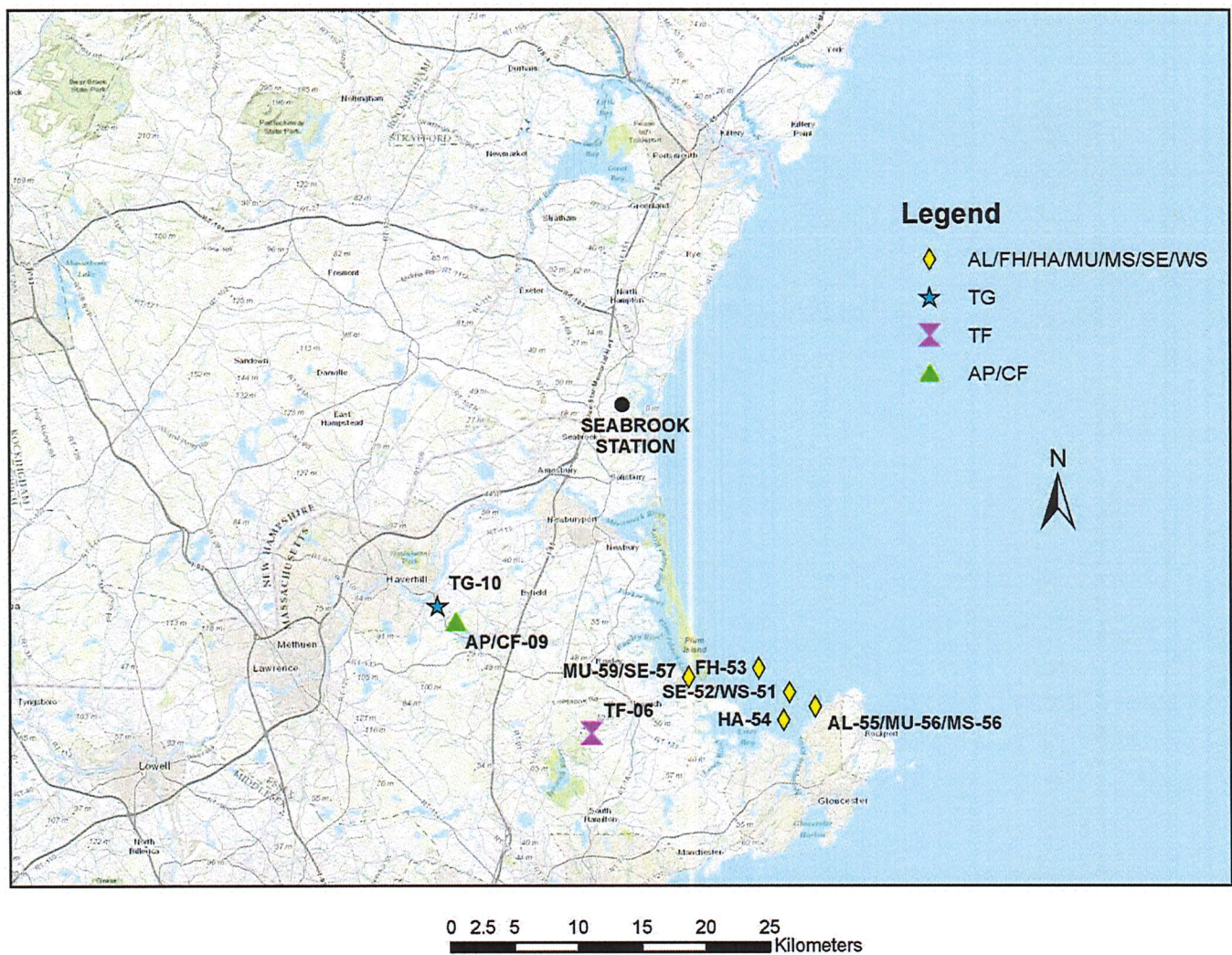


Figure 2.4 Direct Radiation Monitoring Locations Within 4 Km of Seabrook Station

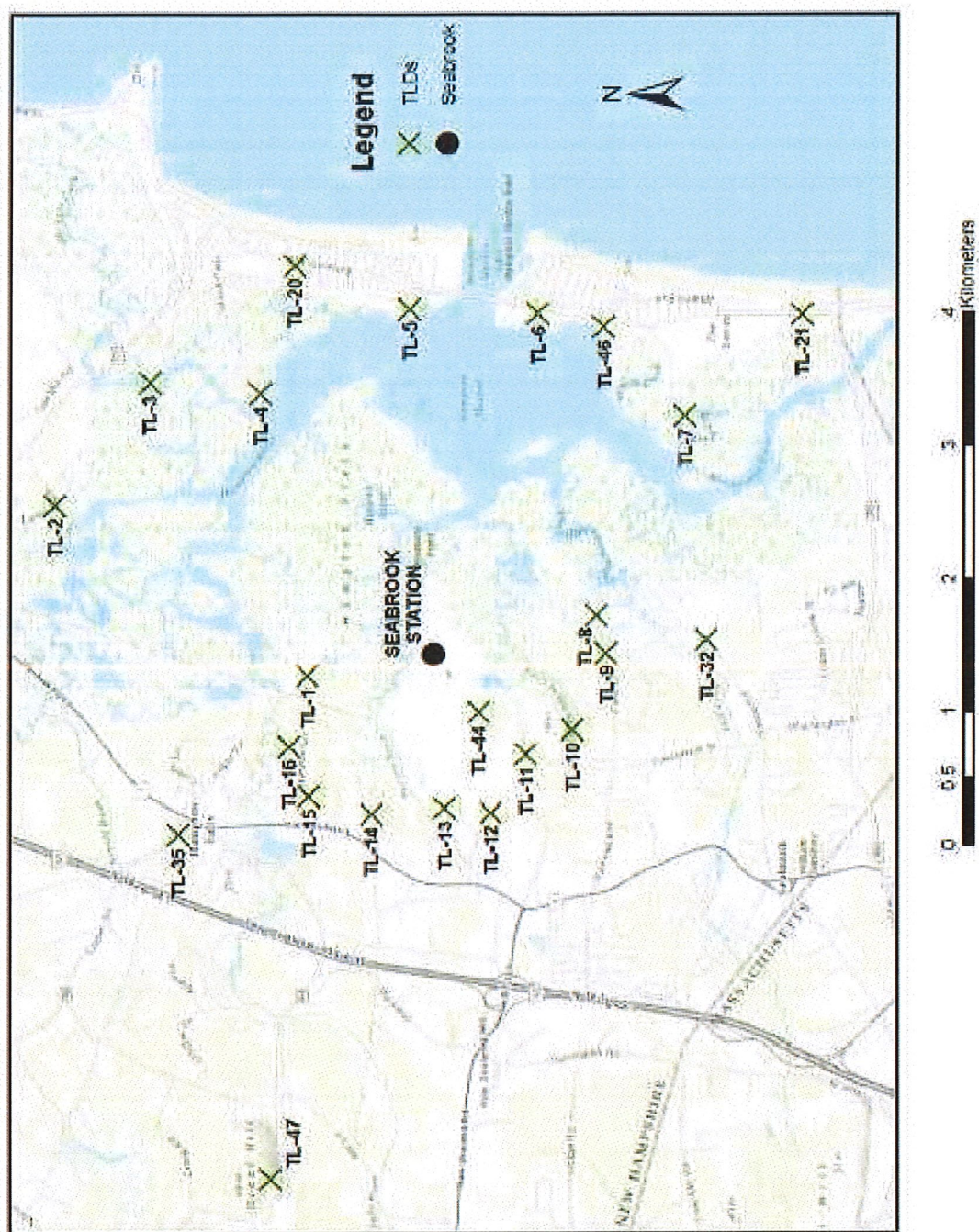
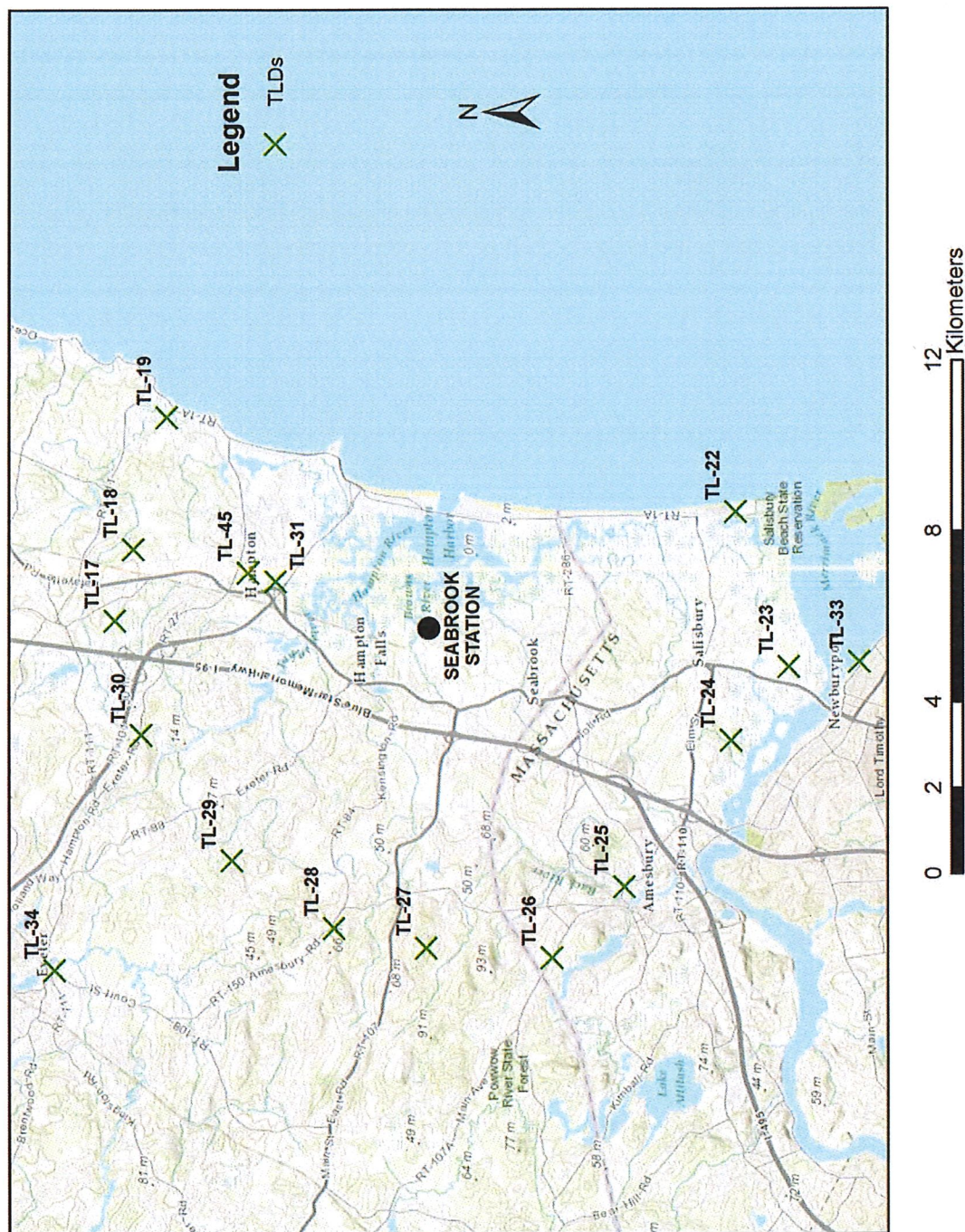


Figure 2.5 Direct Radiation Monitoring Locations Between 4 & 12 Km of Seabrook Station



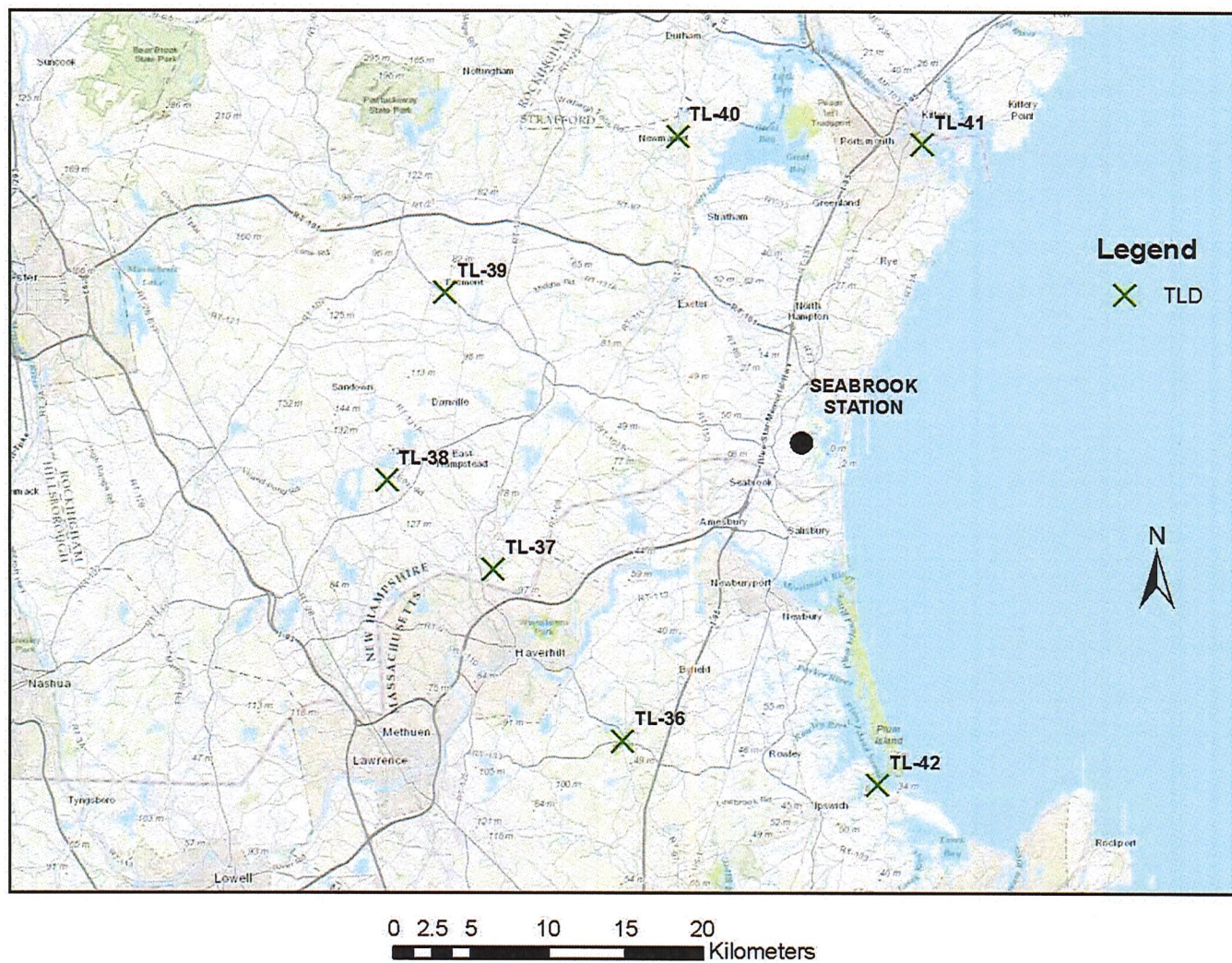


Figure 2.6 Direct Radiation Monitoring Locations Outside 12 Km of Seabrook Station

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 2024. 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 and
- 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 2024. 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 2024, 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 2024. For the year, 191 particulate filters were collected and analyzed for gross beta activity.

The 2024 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 thirty 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). The increase in relative concentration for AP-05 in May is likely due to the low sample volume collected. Figure 3.1.4 compares the quarterly average gross beta response of all indicator air sampling stations to the control location over the last 30 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 2024. The overall fluctuations at all stations seen in the gross beta activity throughout the year can be attributed to changes in environmental conditions unrelated to plant operations. Natural environmental processes such as wind direction, precipitation, snow cover, and soil temperature and moisture affect concentrations of naturally-occurring radionuclides in the atmosphere directly above land.

Gamma isotopic analyses of particulate filters are summarized on Table 3.1-1. The only radionuclides detected were naturally-occurring Be-7, which indicated positive in all air particulate samples, K-40, which occurred in four samples and Th-228, which was positive in five 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

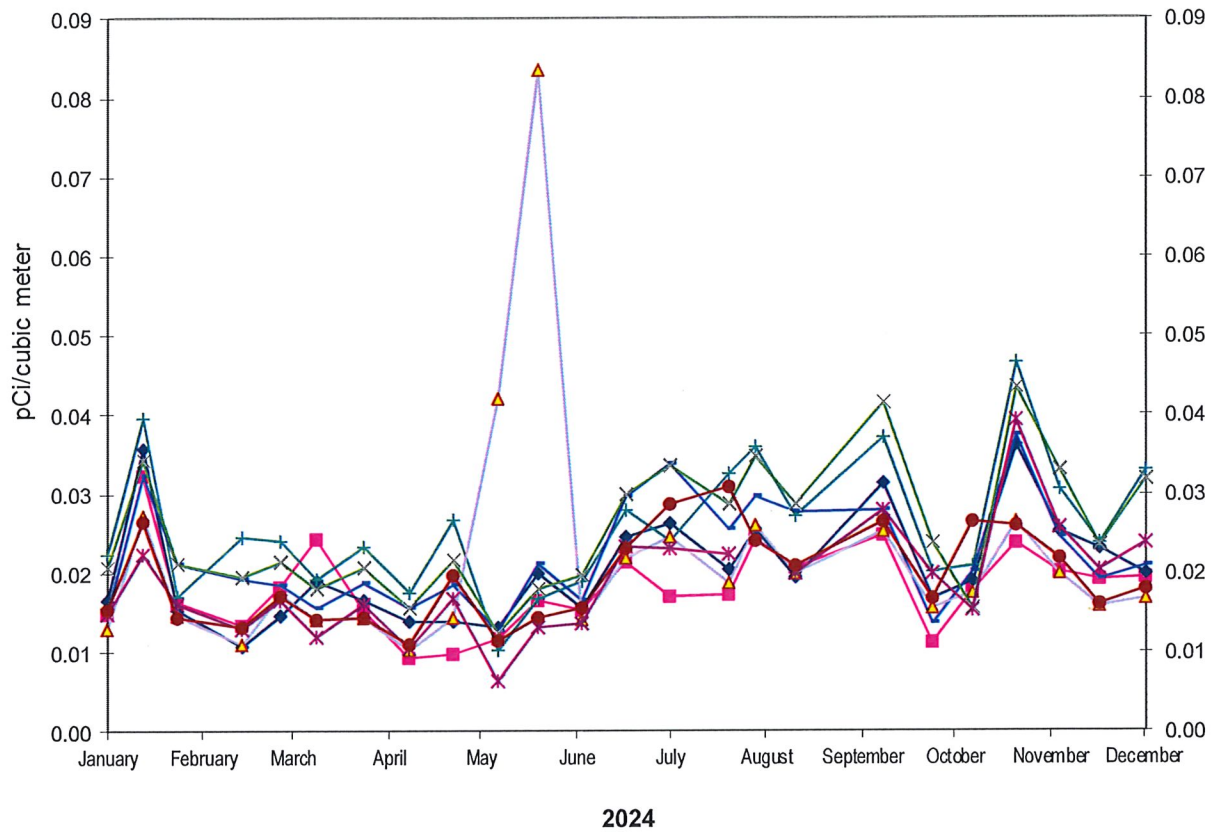


FIGURE 3.1.1

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

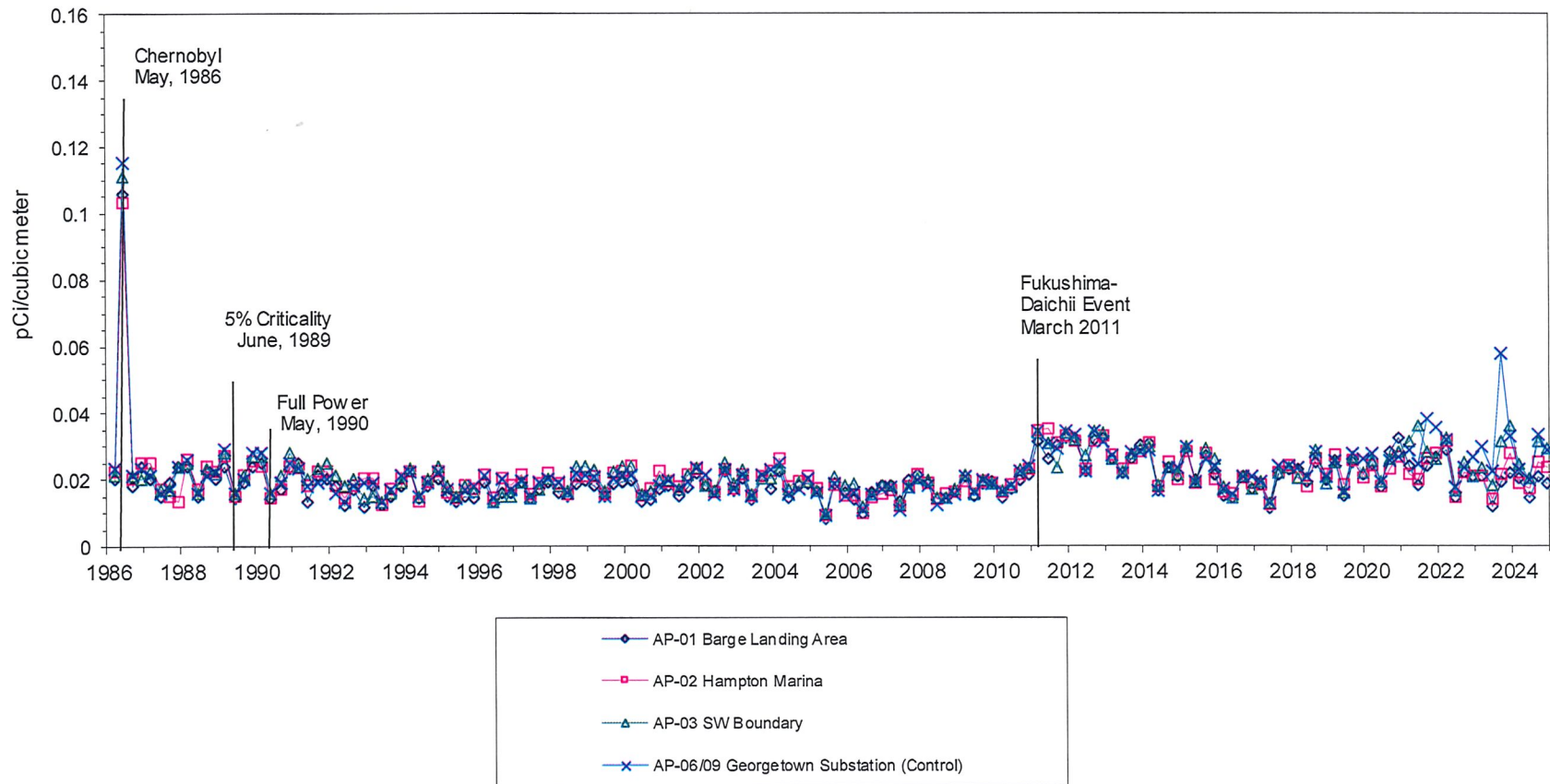


FIGURE 3.1.2

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

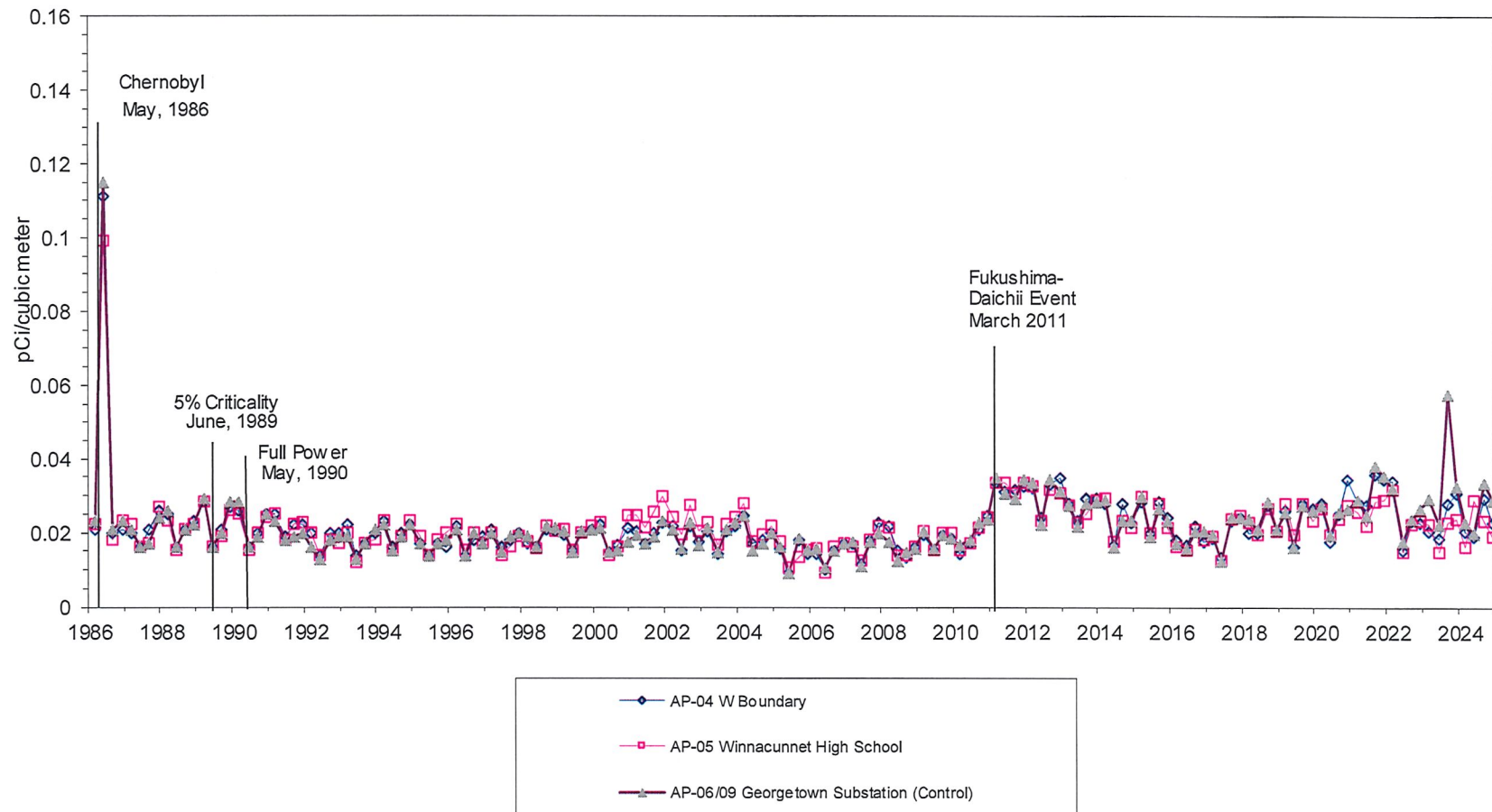


FIGURE 3.1.3

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

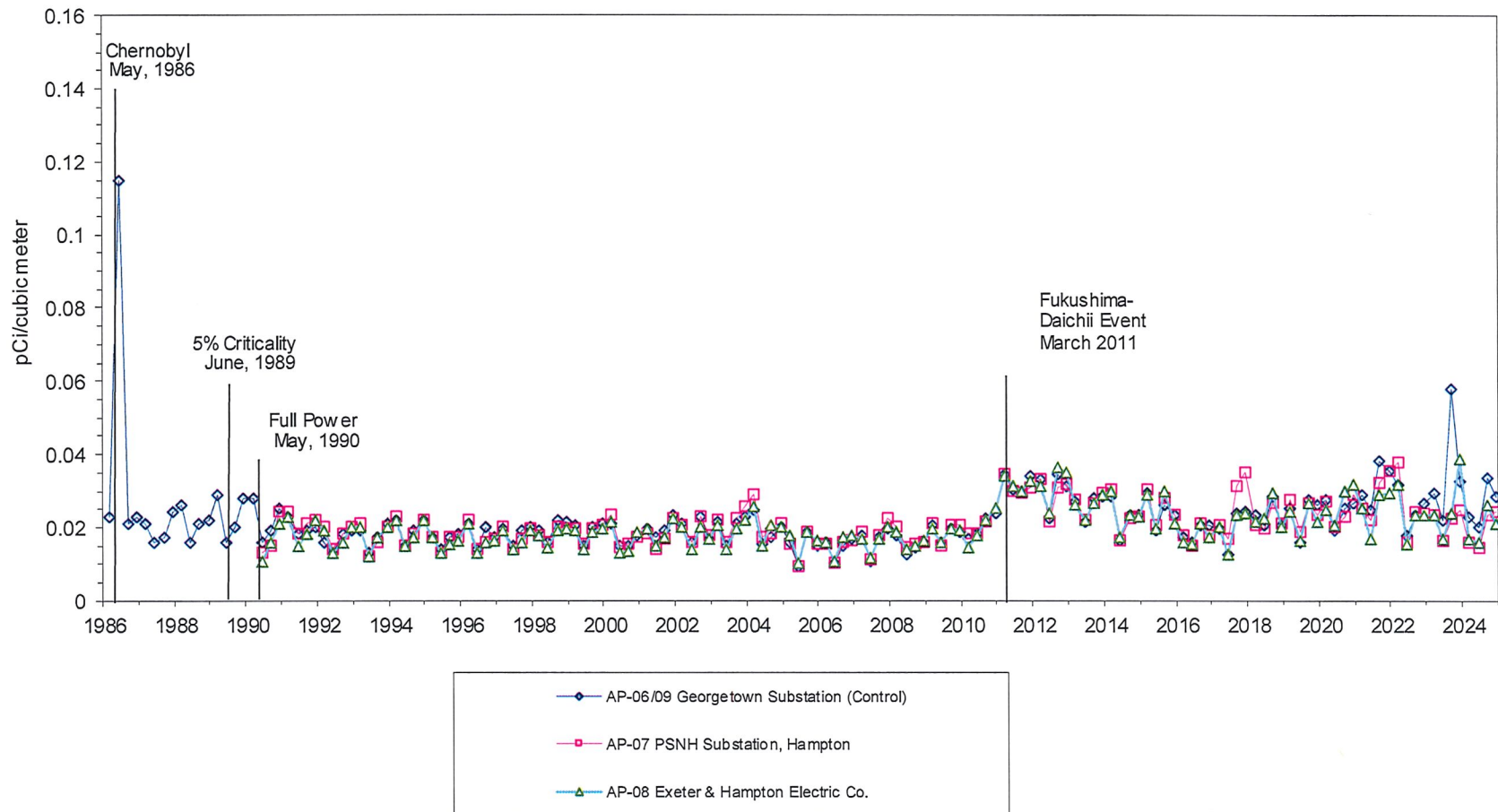


FIGURE 3.1.4
GROSS-BETA ON AIR PARTICULATE FILTERS
QUARTERLY AVERAGES
SEABROOK STATION

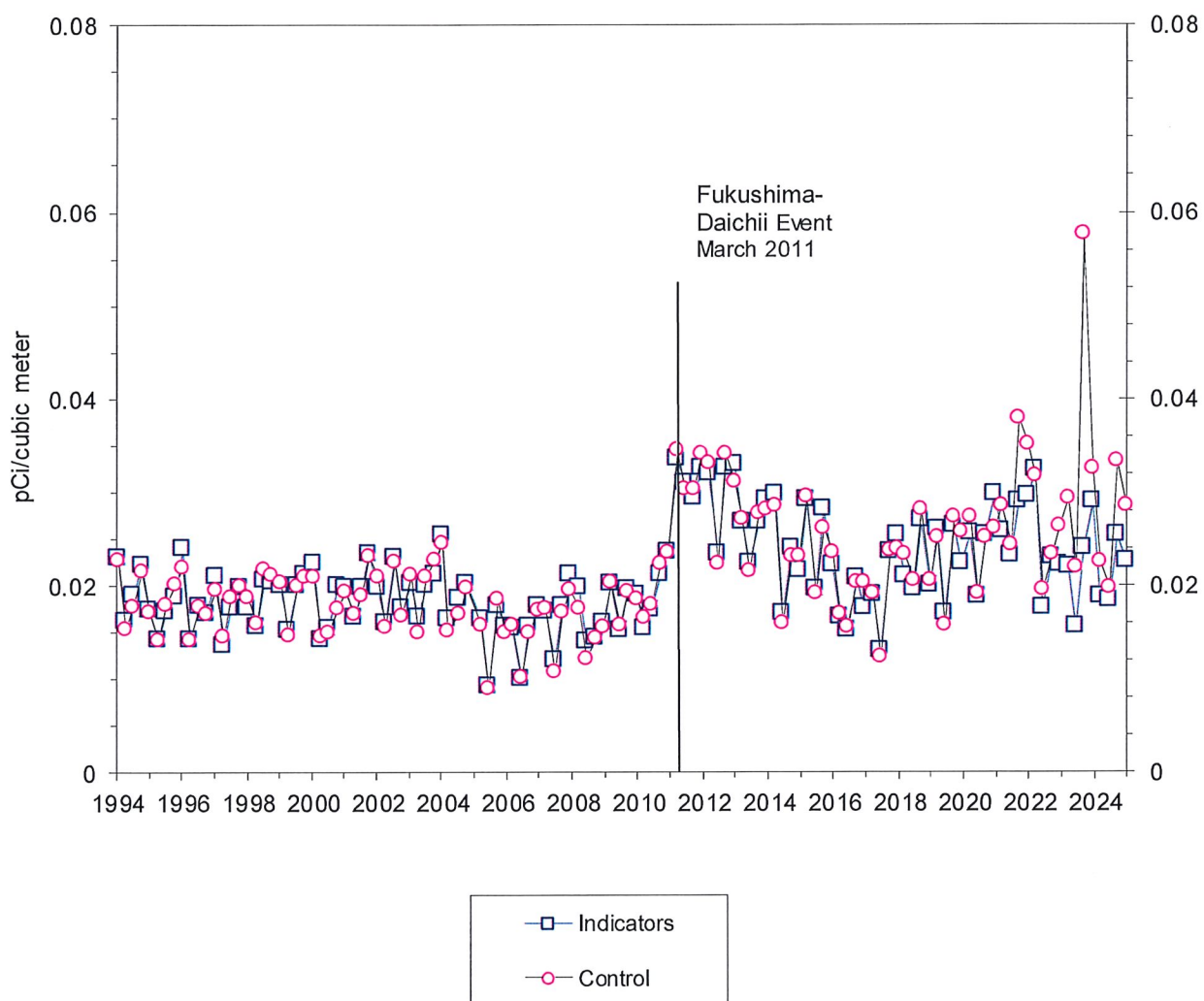


Table 3.1-1
Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)		Mean Range (No. Detected**)
BETA	(191) (0)	0.01	2.1E -2 (6.5 - 83.5)E -3 (167/ 167)	03	2.6E -2 (1.0 - 4.7)E -2 (24/ 24)	2.6E -2 (1.3 - 4.4)E -2 (24/ 24)
Be-7	(32) (0)		6.9E -2 (3.7 - 10.9)E -2 (28/ 28)	09	8.9E -2 (5.8 - 12.0)E -2 (4/ 4)	8.9E -2 (5.8 - 12.0)E -2 (4/ 4)
K-40	(32) (0)		1.9E -3 (-3.9 - 10.2)E -3 (4/ 28)	04	5.4E -3 (3.7 - 6.5)E -3 (1/ 4)	1.2E -3 (0.0 - 2.4)E -3 (0/ 4)
Cr-51	(32) (0)		-1.9E -4 (-1.3 - 0.8)E -2 (0/ 28)	08	2.4E -3 (-7.7 - 827.0)E -5 (0/ 4)	-4.0E -3 (-8.9 - 0.4)E -3 (0/ 4)
Mn-54	(32) (0)		1.7E -5 (-2.0 - 5.3)E -4 (0/ 28)	01	1.4E -4 (2.1 - 20.4)E -5 (0/ 4)	3.6E -5 (-6.9 - 18.0)E -5 (0/ 4)
Co-57	(32) (0)		0.0E 0 (-2.1 - 1.7)E -4 (0/ 28)	03	3.3E -5 (1.6 - 71.4)E -6 (0/ 4)	0.0E 0 (-3.4 - 2.4)E -5 (0/ 4)
Co-58	(32) (0)		-5.3E -5 (-5.2 - 3.7)E -4 (0/ 28)	05	9.3E -5 (-1.2 - 22.6)E -5 (0/ 4)	-1.7E -4 (-3.9 - -0.5)E -4 (0/ 4)
Fe-59	(32) (0)		-8.9E -5 (-1.6 - 1.7)E -3 (0/ 28)	03	6.4E -4 (-5.1 - 16.5)E -4 (0/ 4)	-2.9E -4 (-1.4 - 0.3)E -3 (0/ 4)
Co-60	(32) (0)		-2.2E -5 (-6.2 - 2.7)E -4 (0/ 28)	03	1.0E -4 (-1.3 - 2.5)E -4 (0/ 4)	0.0E 0 (-1.0 - 0.8)E -4 (0/ 4)
Zn-65	(32) (0)		-1.2E -5 (-7.3 - 7.8)E -4 (0/ 28)	03	3.7E -4 (1.4 - 7.8)E -4 (0/ 4)	1.9E -4 (-1.6 - 7.3)E -4 (0/ 4)
Se-75	(32) (0)		0.0E 0 (-3.2 - 4.6)E -4 (0/ 28)	08	1.2E -4 (-4.2 - 46.3)E -5 (0/ 4)	-2.0E -5 (-4.8 - 3.2)E -4 (0/ 4)
Nb-95	(32) (0)		4.5E -5 (-1.4 - 0.5)E -3 (0/ 28)	01	1.7E -4 (-2.7 - 5.1)E -4 (0/ 4)	1.0E -4 (-8.5 - 35.6)E -5 (0/ 4)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Zr-95 (32) (0)		6.7E -5 (-1.1 - 1.1)E -3 (0/ 28)	09	2.9E -4 (-1.9 - 10.0)E -4 (0/ 4)	2.9E -4 (-1.9 - 10.0)E -4 (0/ 4)
Ru-103 (32) (0)		-8.6E -5 (-5.9 - 5.0)E -4 (0/ 28)	09	2.0E -4 (-5.1 - 7.7)E -4 (0/ 4)	2.0E -4 (-5.1 - 7.7)E -4 (0/ 4)
Ru-106 (32) (0)		2.4E -4 (-2.2 - 2.7)E -3 (0/ 28)	07	7.0E -4 (-2.3 - 19.8)E -4 (0/ 4)	-1.4E -3 (-3.4 - 0.4)E -3 (0/ 4)
Ag-108m (32) (0)		1.7E -5 (-7.1 - 22.1)E -5 (0/ 28)	08	4.1E -5 (-7.1 - 22.1)E -5 (0/ 4)	-3.7E -5 (-4.9 - -1.5)E -5 (0/ 4)
Ag-110m (32) (0)		1.9E -5 (-3.5 - 4.3)E -4 (0/ 28)	04	1.3E -4 (-9.8 - 36.2)E -5 (0/ 4)	-2.9E -5 (-1.9 - 1.4)E -4 (0/ 4)
Sb-124 (32) (0)		-6.7E -5 (-1.3 - 1.1)E -3 (0/ 28)	09	4.0E -4 (-1.7 - 10.8)E -4 (0/ 4)	4.0E -4 (-1.7 - 10.8)E -4 (0/ 4)
Sb-125 (32) (0)		3.1E -5 (-6.3 - 9.3)E -4 (0/ 28)	04	4.1E -4 (-2.4 - 9.3)E -4 (0/ 4)	2.3E -5 (-2.1 - 2.3)E -4 (0/ 4)
I-131 (32) (0)		-3.9E -2 (-5.3 - 0.2)E -1 (0/ 28)	01	1.8E -3 (0.0 - 3.7)E -3 (0/ 4)	1.4E -3 (-2.4 - 59.5)E -4 (0/ 4)
Cs-134 (32) (0)	0.05	3.1E -5 (-2.0 - 2.6)E -4 (0/ 28)	05	1.0E -4 (1.4 - 15.8)E -5 (0/ 4)	3.3E -5 (-1.5 - 1.5)E -4 (0/ 4)
Cs-137 (32) (0)	0.06	4.8E -5 (-1.9 - 4.6)E -4 (0/ 28)	01	2.3E -4 (1.1 - 4.6)E -4 (0/ 4)	5.2E -5 (-1.0 - 2.2)E -4 (0/ 4)
Ba-140 (32) (0)		-1.4E -2 (-1.3 - 0.8)E -1 (0/ 28)	01	1.2E -2 (-3.2 - 8.3)E -2 (0/ 4)	-6.0E -3 (-2.0 - 0.0)E -2 (0/ 4)
La-140 (32) (0)		-4.4E -3 (-5.8 - 1.4)E -2 (0/ 28)	09	7.2E -3 (-2.1 - 174.0)E -4 (0/ 4)	7.2E -3 (-2.1 - 174.0)E -4 (0/ 4)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-141 (32) (0)		-4.0E -4 (-2.1 - 0.5)E -3 (0/ 28)	09	1.4E -4 (-1.0 - 1.8)E -3 (0/ 4)	1.4E -4 (-1.0 - 1.8)E -3 (0/ 4)
Ce-144 (32) (0)		-1.4E -4 (-1.3 - 0.7)E -3 (0/ 28)	08	2.1E -4 (-5.4 - 6.6)E -4 (0/ 4)	-7.8E -5 (-8.1 - 7.4)E -4 (0/ 4)
Ac-228 (32) (0)		3.4E -4 (-1.4 - 2.0)E -3 (0/ 28)	03	7.9E -4 (0.0 - 2.0)E -3 (0/ 4)	5.9E -4 (-3.4 - 15.5)E -4 (0/ 4)
Th-228 (32) (0)		3.5E -4 (0.0 - 1.1)E -3 (5/ 28)	04	4.4E -4 (0.0 - 8.9)E -4 (1/ 4)	2.2E -4 (0.0 - 5.5)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 sample analyses yielding detectable measurements (i.e. >3 standard deviations) 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/m³ or lower.

During 2024, a total of 191 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 2024. Off-normal conditions, such as observed high differential pressure across the associated particulate filter (none detected in 2024) 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 2024 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 (2024) 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

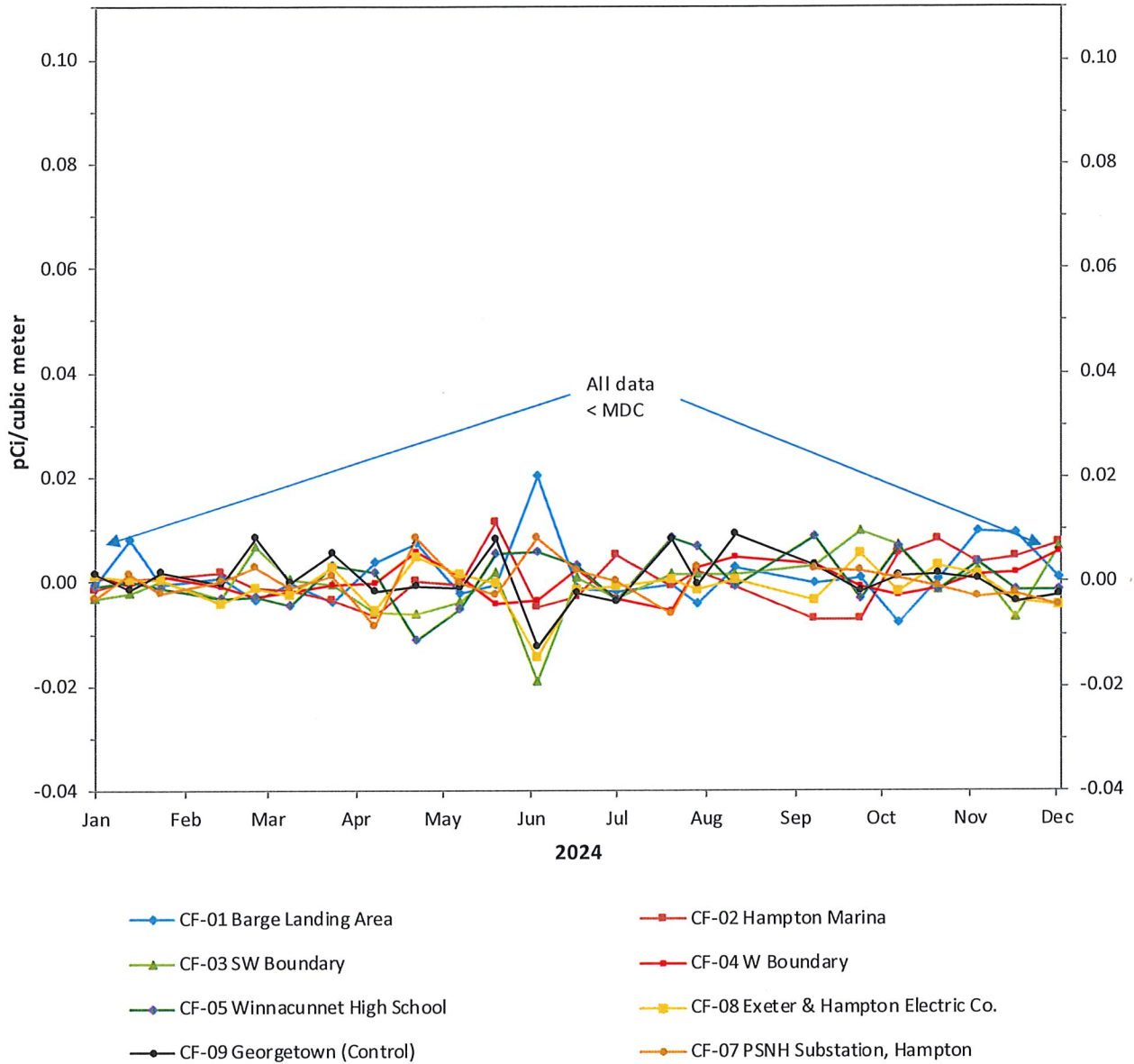
MEDIUM: Charcoal Cartridge (CF) UNITS: pCi/cubic meter

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
I-131	(191)	0.07	01		
	(0)	1.8E -4 (-1.9 - 2.0)E -2 (0/ 167)		1.5E -3 (-7.9 - 20.3)E -3 (0/ 24)	6.3E -4 (-1.3 - 0.9)E -2 (0/ 24)

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

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

FIGURE 3.2
I-131 MEASUREMENTS OF AIR CHARCOAL CARTRIDGES
SEABROOK STATION



3.3 Milk

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

The ODCM (Table A.9.1-1) requires that milk samples be collected from three locations within 5 km of the plant having the highest dose potential. If there are none, then one sample is required from milking animals in each of three areas between 5 to 8 km from the plant 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 2024 Land Use Census, the number of available sample locations required by the ODCM sampling program could not be met (insufficient numbers of milk animals within 5 km, and only one milk location [goat milk 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 with the REMP requirements. As a result, two site boundary locations and one control location are sampled for vegetation to compensate for the limited milk availability (see Section 3.12).

A total of 17 goat 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 16 milk samples. Also detected in one milk sample was Cs-137 at a concentration of 3.8 pCi/kg, which falls in the range of past and pre-operational measurements. Though the Fukushima Daiichi event in March 2011 may have contributed to the Cs-137 levels observed in milk in 2024, Cs-137 has historically been detected at similar levels in milk before the nuclear accident in Japan. The presence of Cs-137 in goat milk may be partly attributable to the diet of goats, which can include acorns and tree bark. Trees tend to concentrate Cs-137 from weapons testing as discussed in Section 3.12. 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 (2024) 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. 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

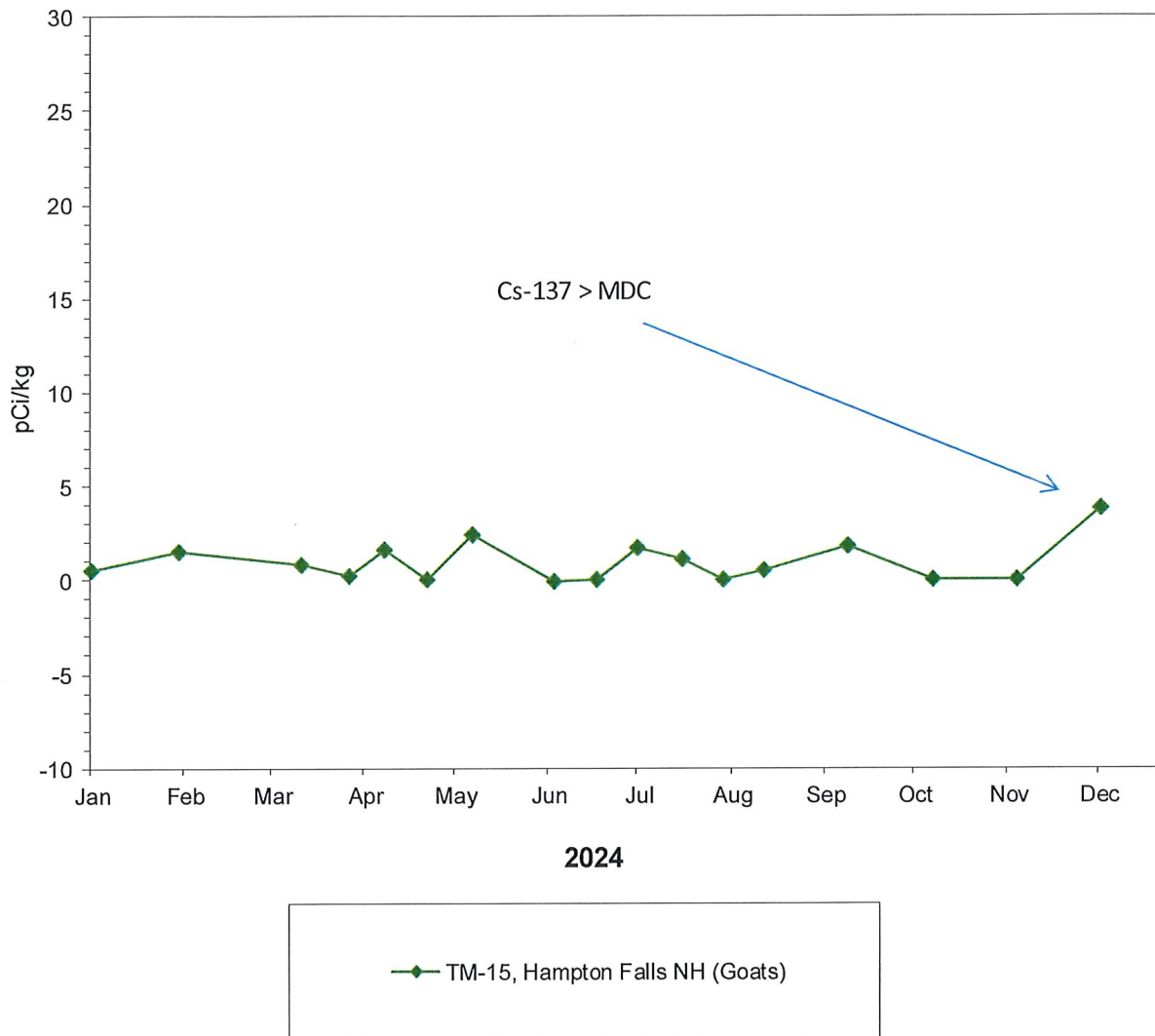


FIGURE 3.3.1
CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

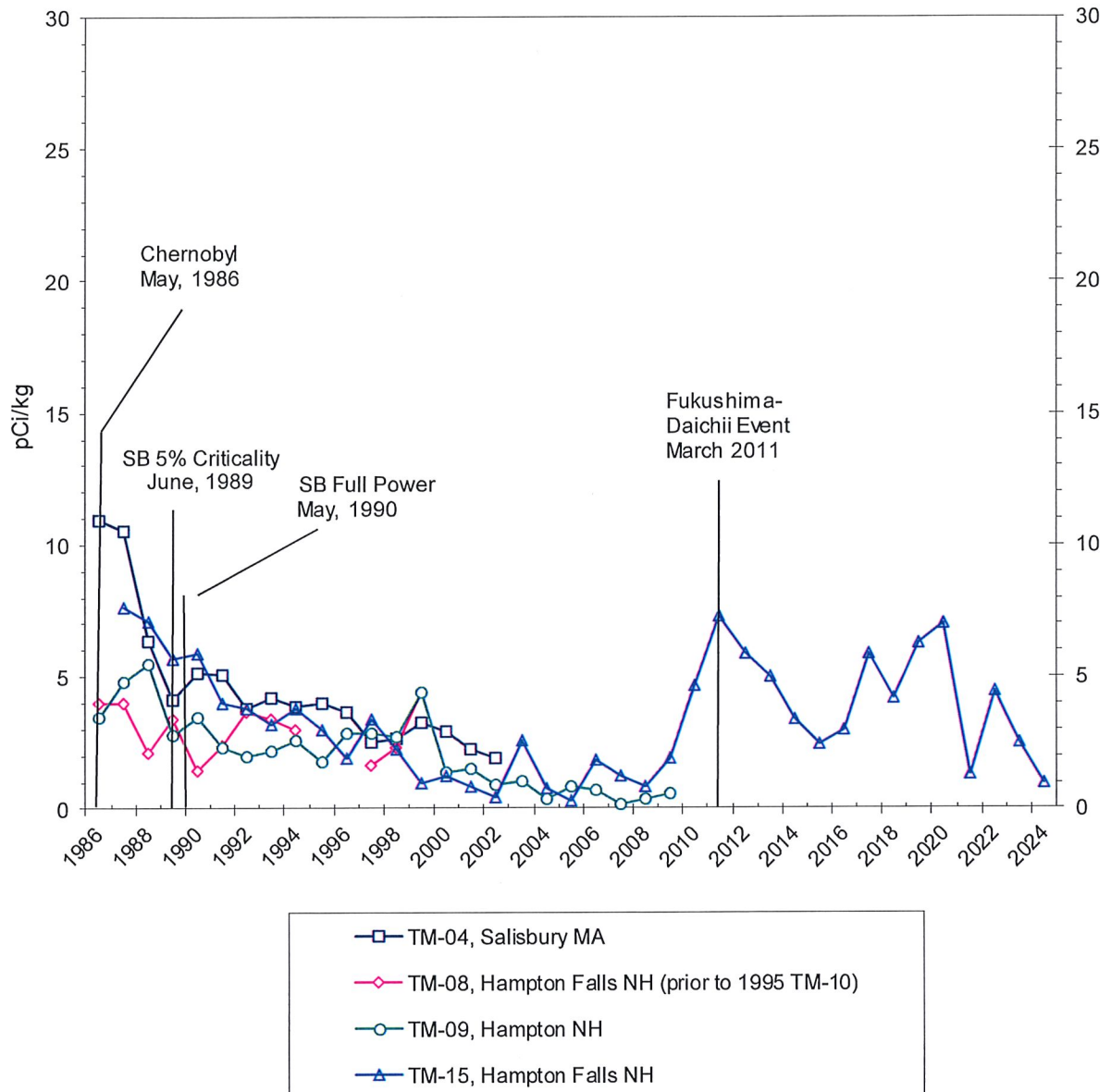


FIGURE 3.3.2
CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

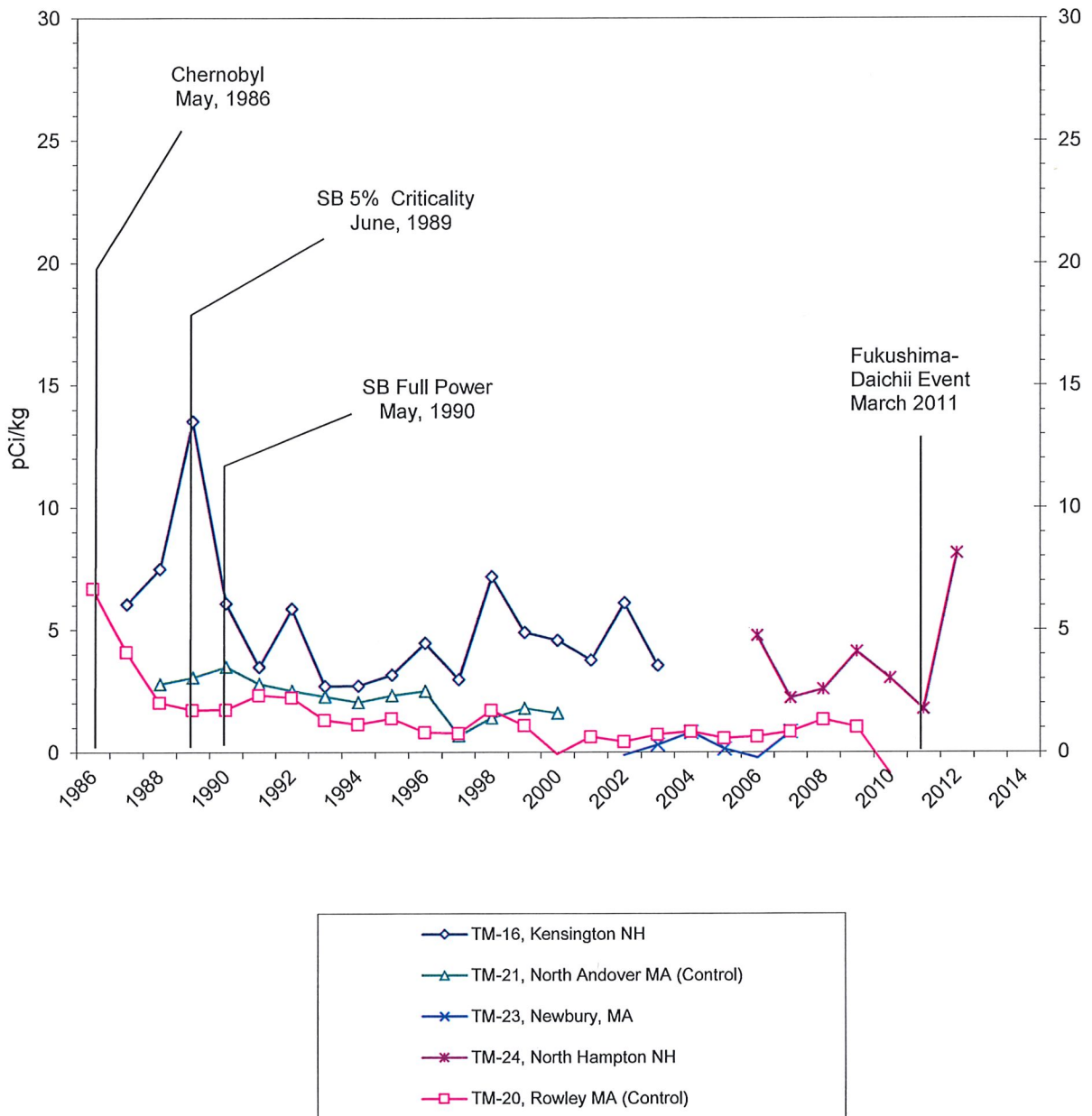


Table 3.3-1
Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

MEDIUM: Milk (TM) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (17) (0)		7.0E -2 (-1.2 - 0.7)E 1 (0/ 17)	15	7.0E -2 (-1.2 - 0.7)E 1 (0/ 17)	NO DATA
K-40 (17) (0)		1.7E 3 (0.0 - 2.1)E 3 (16/ 17)	15	1.7E 3 (0.0 - 2.1)E 3 (16/ 17)	NO DATA
Cr-51 (17) (0)		-1.8E 0 (-1.7 - 0.5)E 1 (0/ 17)	15	-1.8E 0 (-1.7 - 0.5)E 1 (0/ 17)	NO DATA
Mn-54 (17) (0)		5.7E -2 (-2.0 - 1.0)E 0 (0/ 17)	15	5.7E -2 (-2.0 - 1.0)E 0 (0/ 17)	NO DATA
Co-57 (17) (0)		-1.3E -1 (-1.1 - 1.2)E 0 (0/ 17)	15	-1.3E -1 (-1.1 - 1.2)E 0 (0/ 17)	NO DATA
Co-58 (17) (0)		5.9E -2 (-7.5 - 9.9)E -1 (0/ 17)	15	5.9E -2 (-7.5 - 9.9)E -1 (0/ 17)	NO DATA
Fe-59 (17) (0)		2.3E -1 (-2.6 - 2.1)E 0 (0/ 17)	15	2.3E -1 (-2.6 - 2.1)E 0 (0/ 17)	NO DATA
Co-60 (17) (0)	15	1.1E -1 (-1.0 - 1.1)E 0 (0/ 17)	15	1.1E -1 (-1.0 - 1.1)E 0 (0/ 17)	NO DATA
Zn-65 (17) (0)	30	-1.5E -1 (-2.8 - 2.9)E 0 (0/ 17)	15	-1.5E -1 (-2.8 - 2.9)E 0 (0/ 17)	NO DATA
Se-75 (17) (0)		-2.3E -1 (-1.5 - 1.0)E 0 (0/ 17)	15	-2.3E -1 (-1.5 - 1.0)E 0 (0/ 17)	NO DATA
Nb-95 (17) (0)		-1.3E -1 (-2.6 - 0.8)E 0 (0/ 17)	15	-1.3E -1 (-2.6 - 0.8)E 0 (0/ 17)	NO DATA
Zr-95 (17) (0)		-2.5E -1 (-2.0 - 1.6)E 0 (0/ 17)	15	-2.5E -1 (-2.0 - 1.6)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

MEDIUM: Milk (TM) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (17) (0)		-3.3E -1 (-1.9 - 0.8)E 0 (0/ 17)	15	-3.3E -1 (-1.9 - 0.8)E 0 (0/ 17)	NO DATA
Ru-106 (17) (0)		8.0E -1 (-8.4 - 6.1)E 0 (0/ 17)	15	8.0E -1 (-8.4 - 6.1)E 0 (0/ 17)	NO DATA
Ag-108m (17) (0)		-2.4E -2 (-9.3 - 7.2)E -1 (0/ 17)	15	-2.4E -2 (-9.3 - 7.2)E -1 (0/ 17)	NO DATA
Ag-110m (17) (0)		-3.5E -1 (-2.0 - 1.7)E 0 (0/ 17)	15	-3.5E -1 (-2.0 - 1.7)E 0 (0/ 17)	NO DATA
Sb-124 (17) (0)		-7.8E -2 (-2.7 - 1.5)E 0 (0/ 17)	15	-7.8E -2 (-2.7 - 1.5)E 0 (0/ 17)	NO DATA
Sb-125 (17) (0)		6.4E -1 (-3.0 - 3.5)E 0 (0/ 17)	15	6.4E -1 (-3.0 - 3.5)E 0 (0/ 17)	NO DATA
I-131 (17) (0)	1	3.2E -2 (-4.0 - 4.5)E -1 (0/ 17)	15	3.2E -2 (-4.0 - 4.5)E -1 (0/ 17)	NO DATA
Cs-134 (17) (0)	15	1.8E -3 (-8.7 - 12.7)E -1 (0/ 17)	15	1.8E -3 (-8.7 - 12.7)E -1 (0/ 17)	NO DATA
Cs-137 (17) (0)	18	9.4E -1 (-4.9 - 381.0)E -2 (1/ 17)	15	9.4E -1 (-4.9 - 381.0)E -2 (1/ 17)	NO DATA
Ba-140 (17) (0)	15	8.8E -2 (-3.3 - 3.5)E 0 (0/ 17)	15	8.8E -2 (-3.3 - 3.5)E 0 (0/ 17)	NO DATA
La-140 (17) (0)	15	1.1E -1 (-1.3 - 2.0)E 0 (0/ 17)	15	1.1E -1 (-1.3 - 2.0)E 0 (0/ 17)	NO DATA
Ce-141 (17) (0)		-1.0E 0 (-3.7 - 2.6)E 0 (0/ 17)	15	-1.0E 0 (-3.7 - 2.6)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

MEDIUM: Milk (TM) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144 (17) (0)		8.7E -1 (-5.1 - 8.8)E 0 (0/ 17)	15	8.7E -1 (-5.1 - 8.8)E 0 (0/ 17)	NO DATA
Pb-212 (17) (0)		1.6E 0 (-8.0 - 40.7)E -1 (0/ 17)	15	1.6E 0 (-8.0 - 40.7)E -1 (0/ 17)	NO DATA
Pb-214 (17) (0)		-6.3E -1 (-2.8 - 5.1)E 0 (0/ 17)	15	-6.3E -1 (-2.8 - 5.1)E 0 (0/ 17)	NO DATA
Bi-214 (17) (0)		2.3E -1 (-3.9 - 4.7)E 0 (0/ 17)	15	2.3E -1 (-3.9 - 4.7)E 0 (0/ 17)	NO DATA
Ac-228 (17) (0)		-3.7E -2 (-9.8 - 7.3)E 0 (0/ 17)	15	-3.7E -2 (-9.8 - 7.3)E 0 (0/ 17)	NO DATA
Th-228 (17) (0)		1.6E 0 (-8.0 - 40.7)E -1 (0/ 17)	15	1.6E 0 (-8.0 - 40.7)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.

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 2024, 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 25 of 26 samples, and naturally-occurring Bi-214, which was 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 2024, 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 composite 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 655.0 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
H-3 (10) (0)	3000	-1.4E 2 (-3.5 - 0.6)E 2 (0/ 6)	51	4.9E 1 (-5.9 - 16.0)E 1 (0/ 4)	4.9E 1 (-5.9 - 16.0)E 1 (0/ 4)
Be-7 (26) (0)		2.8E 0 (-9.1 - 10.8)E 0 (0/ 14)	01	3.4E 0 (-9.1 - 10.8)E 0 (0/ 12)	-3.3E -1 (-9.8 - 8.1)E 0 (0/ 12)
K-40 (26) (0)		3.1E 2 (1.9 - 3.5)E 2 (14/ 14)	01	3.2E 2 (2.9 - 3.5)E 2 (12/ 12)	2.9E 2 (0.0 - 3.7)E 2 (11/ 12)
Cr-51 (26) (0)		-2.9E -1 (-7.8 - 8.8)E 0 (0/ 14)	01	5.4E -1 (-7.5 - 8.8)E 0 (0/ 12)	-9.8E -1 (-1.1 - 1.0)E 1 (0/ 12)
Mn-54 (26) (0)	15	-2.6E -1 (-1.9 - 0.9)E 0 (0/ 14)	51	-1.0E -1 (-1.2 - 0.9)E 0 (0/ 12)	-1.0E -1 (-1.2 - 0.9)E 0 (0/ 12)
Co-57 (26) (0)		-1.5E -2 (-5.1 - 4.8)E -1 (0/ 14)	51	3.4E -1 (-5.0 - 10.5)E -1 (0/ 12)	3.4E -1 (-5.0 - 10.5)E -1 (0/ 12)
Co-58 (26) (0)	15	1.5E -2 (-1.1 - 1.1)E 0 (0/ 14)	10	5.3E -1 (5.2 - 5.4)E -1 (0/ 2)	-1.5E -1 (-9.3 - 8.1)E -1 (0/ 12)
Fe-59 (26) (0)	30	-4.2E -1 (-2.9 - 2.6)E 0 (0/ 14)	10	-1.5E -1 (-2.9 - 2.6)E 0 (0/ 2)	-1.8E -1 (-4.8 - 2.2)E 0 (0/ 12)
Co-60 (26) (0)	15	1.3E -3 (-2.3 - 1.0)E 0 (0/ 14)	10	2.8E -1 (7.2 - 49.3)E -2 (0/ 2)	-2.6E -2 (-1.4 - 2.2)E 0 (0/ 12)
Zn-65 (26) (0)	30	-5.4E -1 (-2.5 - 1.6)E 0 (0/ 14)	51	3.8E -1 (-1.6 - 3.3)E 0 (0/ 12)	3.8E -1 (-1.6 - 3.3)E 0 (0/ 12)
Se-75 (26) (0)		1.5E -1 (-1.1 - 1.2)E 0 (0/ 14)	51	2.1E -1 (-7.6 - 15.8)E -1 (0/ 12)	2.1E -1 (-7.6 - 15.8)E -1 (0/ 12)
Nb-95 (26) (0)	15	-4.3E -1 (-1.8 - 0.7)E 0 (0/ 14)	51	2.3E -1 (-1.1 - 1.4)E 0 (0/ 12)	2.3E -1 (-1.1 - 1.4)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.

Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)		Mean Range (No. Detected**)
Zr-95 (26) (0)	15	-3.6E -1 (-2.2 - 1.2)E 0 (0/ 14)	51	6.1E -1 (-6.0 - 25.8)E -1 (0/ 12)		6.1E -1 (-6.0 - 25.8)E -1 (0/ 12)
Ru-103 (26) (0)		-6.3E -2 (-8.3 - 13.4)E -1 (0/ 14)	01	-5.3E -2 (-8.3 - 13.4)E -1 (0/ 12)		-5.9E -1 (-1.5 - 0.5)E 0 (0/ 12)
Ru-106 (26) (0)		1.2E 0 (-6.9 - 8.6)E 0 (0/ 14)	10	5.0E 0 (3.0 - 6.9)E 0 (0/ 2)		-7.8E -1 (-1.0 - 0.8)E 1 (0/ 12)
Ag-108m (26) (0)		5.5E -2 (-1.2 - 0.6)E 0 (0/ 14)	10	7.2E -2 (-3.8 - 5.3)E -1 (0/ 2)		-1.9E -1 (-1.7 - 0.4)E 0 (0/ 12)
Ag-110m (26) (0)		-2.8E -2 (-1.1 - 1.4)E 0 (0/ 14)	10	7.3E -1 (3.9 - 142.0)E -2 (0/ 2)		6.3E -2 (-1.5 - 1.8)E 0 (0/ 12)
Sb-124 (26) (0)		2.8E -1 (-1.3 - 1.9)E 0 (0/ 14)	01	4.0E -1 (-1.3 - 1.9)E 0 (0/ 12)		1.1E -1 (-3.8 - 2.9)E 0 (0/ 12)
Sb-125 (26) (0)		2.6E -1 (-1.0 - 2.6)E 0 (0/ 14)	51	5.5E -1 (-2.8 - 3.4)E 0 (0/ 12)		5.5E -1 (-2.8 - 3.4)E 0 (0/ 12)
I-131 (26) (0)	15	-8.2E -1 (-6.6 - 1.0)E 0 (0/ 14)	51	3.4E -1 (-1.3 - 4.2)E 0 (0/ 12)		3.4E -1 (-1.3 - 4.2)E 0 (0/ 12)
Cs-134 (26) (0)	15	2.2E -1 (-1.7 - 7.3)E -1 (0/ 14)	10	3.3E -1 (2.1 - 4.5)E -1 (0/ 2)		3.2E -1 (-7.8 - 17.2)E -1 (0/ 12)
Cs-137 (26) (0)	18	2.2E -1 (-1.1 - 1.2)E 0 (0/ 14)	51	4.8E -1 (-1.0 - 2.4)E 0 (0/ 12)		4.8E -1 (-1.0 - 2.4)E 0 (0/ 12)
Ba-140 (26) (0)	15	-5.0E -2 (-4.9 - 5.7)E 0 (0/ 14)	51	2.2E 0 (-2.4 - 7.5)E 0 (0/ 12)		2.2E 0 (-2.4 - 7.5)E 0 (0/ 12)
La-140 (26) (0)	15	-2.4E -1 (-1.8 - 2.2)E 0 (0/ 14)	01	-2.3E -1 (-1.8 - 2.2)E 0 (0/ 12)		-8.2E -1 (-6.8 - 1.3)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.

Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-141 (26) (0)		-9.6E -1 (-2.4 - 1.4)E 0 (0/ 14)	01	-9.5E -1 (-2.4 - 1.4)E 0 (0/ 12)	-9.7E -1 (-5.5 - 1.9)E 0 (0/ 12)
Ce-144 (26) (0)		-7.8E -1 (-5.9 - 7.8)E 0 (0/ 14)	10	3.1E 0 (-1.6 - 7.8)E 0 (0/ 2)	-3.4E -1 (-4.4 - 6.6)E 0 (0/ 12)
Pb-212 (26) (0)		2.8E -1 (-4.8 - 4.9)E 0 (0/ 14)	51	7.5E -1 (-2.1 - 2.6)E 0 (0/ 12)	7.5E -1 (-2.1 - 2.6)E 0 (0/ 12)
Pb-214 (26) (0)		-6.5E -1 (-4.5 - 3.5)E 0 (0/ 14)	01	-2.4E -1 (-4.5 - 3.5)E 0 (0/ 12)	-1.7E 0 (-7.2 - 3.0)E 0 (0/ 12)
Bi-214 (26) (0)		6.2E -2 (-3.5 - 6.2)E 0 (1/ 14)	10	1.9E 0 (-2.5 - 6.2)E 0 (1/ 2)	4.5E -1 (-5.2 - 5.3)E 0 (0/ 12)
Ac-228 (26) (0)		-1.4E 0 (-1.6 - 0.6)E 1 (0/ 14)	01	-7.4E -1 (-1.6 - 0.6)E 1 (0/ 12)	-2.2E 0 (-1.0 - 0.6)E 1 (0/ 12)
Th-228 (26) (0)		2.8E -1 (-4.8 - 4.9)E 0 (0/ 14)	51	7.5E -1 (-2.1 - 2.6)E 0 (0/ 12)	7.5E -1 (-2.1 - 2.6)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.

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 2024, 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 10 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 (2024) and the long-term measurement history for gross beta in well waters. No tritium or plant-related gamma emitters were detected in any of the ground water samples collected during the year. Table 3.5-1 identifies the results of the search for radionuclides of which only naturally-occurring Pb-214 was detected in five of 12 samples, Bi-214 in five of 12 samples, and K-40 in one of 12 samples.

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

The REMP Summary Table 3.5-1 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 sample collection and analysis deviations from the ODCM required program or 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

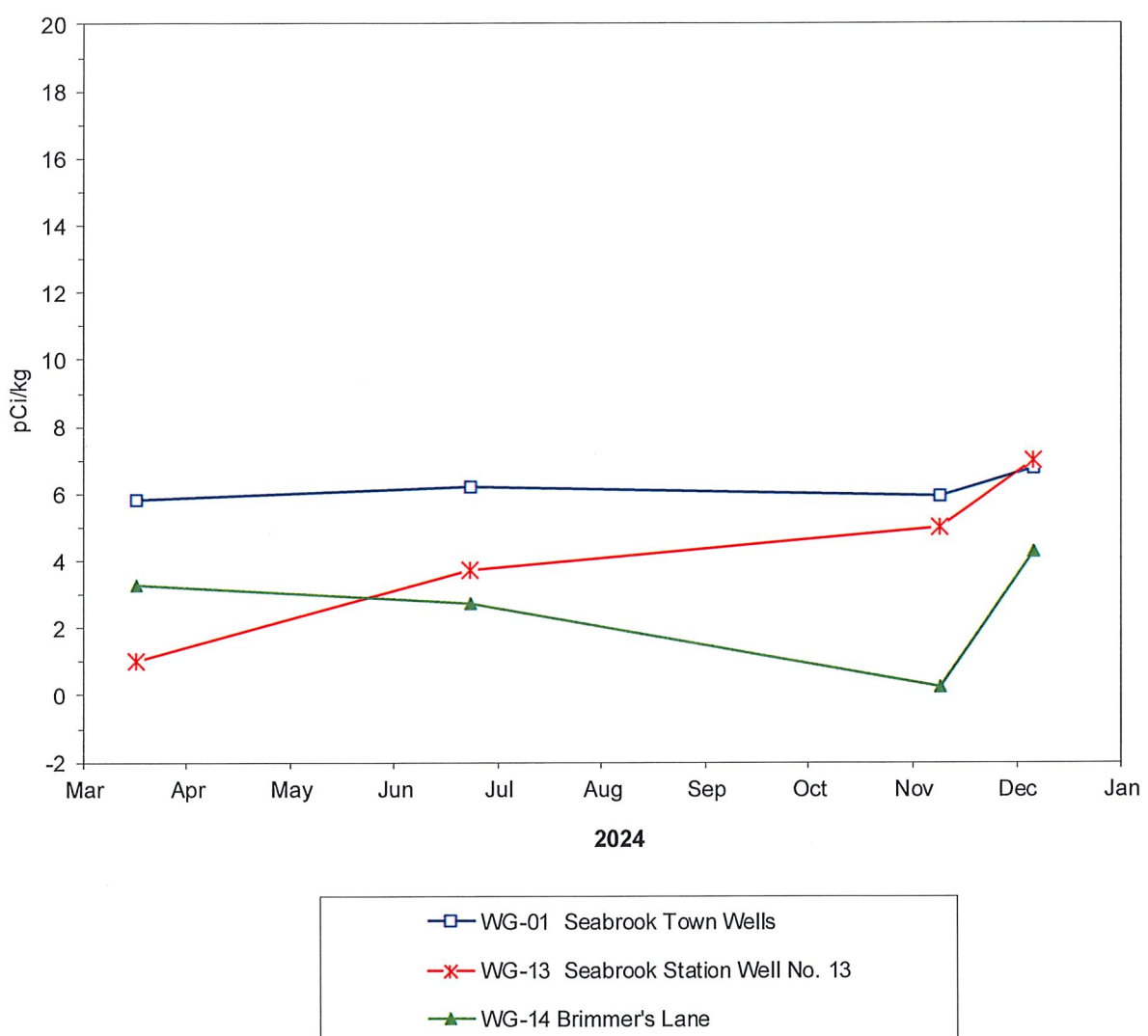


FIGURE 3.5.1

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

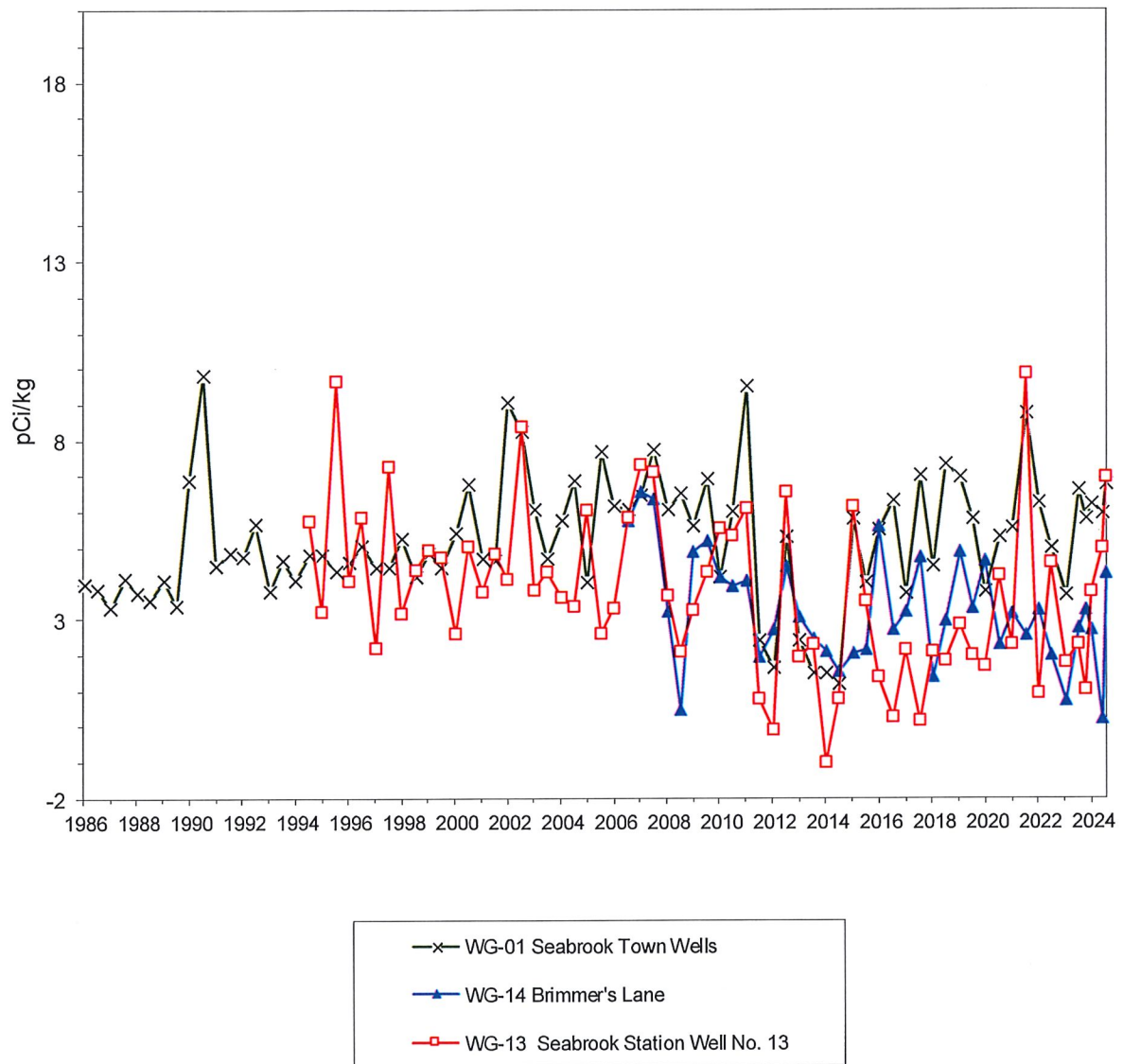


Table 3.5-1
Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)	
BETA	(12) (0)	4	4.3E 0 (2.3 - 69.9)E -1 (10/ 12)	01	6.2E 0 (5.8 - 6.8)E 0 (4/ 4)	NO DATA
H-3	(12) (0)	3000	-2.0E 1 (-3.2 - 2.4)E 2 (0/ 12)	13	4.5E 1 (-1.4 - 2.4)E 2 (0/ 4)	NO DATA
Be-7	(12) (0)		4.3E -1 (-8.9 - 10.1)E 0 (0/ 12)	01	2.9E 0 (-9.3 - 101.0)E -1 (0/ 4)	NO DATA
K-40	(12) (0)		4.2E 0 (-1.1 - 4.6)E 1 (1/ 12)	14	1.0E 1 (-1.0 - 4.6)E 1 (1/ 4)	NO DATA
Cr-51	(12) (0)		2.7E -1 (-1.9 - 1.2)E 1 (0/ 12)	14	2.9E 0 (-8.6 - 11.8)E 0 (0/ 4)	NO DATA
Mn-54	(12) (0)	15	-5.7E -2 (-9.2 - 8.9)E -1 (0/ 12)	01	1.5E -1 (-5.6 - 8.9)E -1 (0/ 4)	NO DATA
Co-57	(12) (0)		-6.3E -2 (-1.0 - 0.5)E 0 (0/ 12)	13	4.9E -2 (-4.0 - 3.8)E -1 (0/ 4)	NO DATA
Co-58	(12) (0)	15	-1.3E -1 (-8.2 - 4.9)E -1 (0/ 12)	14	-9.5E -3 (-6.8 - 4.3)E -1 (0/ 4)	NO DATA
Fe-59	(12) (0)	30	7.2E -2 (-1.6 - 1.9)E 0 (0/ 12)	13	6.7E -1 (-3.3 - 18.5)E -1 (0/ 4)	NO DATA
Co-60	(12) (0)	15	-2.2E -2 (-3.6 - 1.5)E 0 (0/ 12)	01	5.5E -1 (1.1 - 15.0)E -1 (0/ 4)	NO DATA
Zn-65	(12) (0)	30	1.7E -1 (-1.6 - 2.3)E 0 (0/ 12)	13	3.6E -1 (-1.6 - 8.2)E -1 (0/ 4)	NO DATA
Se-75	(12) (0)		-1.8E -1 (-2.4 - 1.0)E 0 (0/ 12)	01	5.1E -1 (5.3 - 89.2)E -2 (0/ 4)	NO DATA

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

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

Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
			Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Nb-95	(12) (0)	15	-2.7E -1 (-2.0 - 1.1)E 0 (0/ 12)	14	2.9E -1 (-1.5 - 1.1)E 0 (0/ 4)	NO DATA
Zr-95	(12) (0)	15	-5.2E -1 (-1.9 - 0.4)E 0 (0/ 12)	01	-6.0E -3 (-6.8 - 4.3)E -1 (0/ 4)	NO DATA
Ru-103	(12) (0)		-7.5E -1 (-2.5 - 0.3)E 0 (0/ 12)	14	-3.0E -1 (-9.3 - 1.0)E -1 (0/ 4)	NO DATA
Ru-106	(12) (0)		6.8E -1 (-6.4 - 11.9)E 0 (0/ 12)	13	2.8E 0 (-2.7 - 11.9)E 0 (0/ 4)	NO DATA
Ag-108m	(12) (0)		-4.7E -2 (-6.3 - 9.7)E -1 (0/ 12)	13	1.7E -1 (-4.8 - 9.7)E -1 (0/ 4)	NO DATA
Ag-110m	(12) (0)		-1.6E -1 (-2.0 - 0.6)E 0 (0/ 12)	13	1.5E -1 (-8.3 - 6.5)E -1 (0/ 4)	NO DATA
Sb-124	(12) (0)		-8.3E -2 (-1.6 - 2.2)E 0 (0/ 12)	14	1.4E -1 (-1.6 - 2.2)E 0 (0/ 4)	NO DATA
Sb-125	(12) (0)		-6.0E -1 (-3.0 - 3.3)E 0 (0/ 12)	14	7.4E -1 (-1.4 - 32.8)E -1 (0/ 4)	NO DATA
I-131	(12) (0)	15	7.7E -1 (-4.0 - 5.2)E 0 (0/ 12)	14	2.0E 0 (4.7 - 51.5)E -1 (0/ 4)	NO DATA
Cs-134	(12) (0)	15	9.8E -2 (-1.1 - 0.9)E 0 (0/ 12)	14	2.6E -1 (-1.9 - 9.1)E -1 (0/ 4)	NO DATA
Cs-137	(12) (0)	18	6.7E -2 (-7.1 - 9.5)E -1 (0/ 12)	01	2.7E -1 (-2.3 - 7.7)E -1 (0/ 4)	NO DATA
Ba-140	(12) (0)	15	-3.9E 0 (-2.2 - 0.6)E 1 (0/ 12)	13	1.8E 0 (-5.7 - 58.9)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)	Mean Range (No. Detected**)
La-140 (12) (0)	15	1.2E -1 (-2.5 - 3.3)E 0 (0/ 12)	13	4.2E -1 (-3.6 - 11.0)E -1 (0/ 4)		NO DATA
Ce-141 (12) (0)		-5.6E -1 (-7.0 - 3.7)E 0 (0/ 12)	13	8.0E -1 (-1.5 - 3.7)E 0 (0/ 4)		NO DATA
Ce-144 (12) (0)		-1.2E 0 (-7.2 - 2.9)E 0 (0/ 12)	14	1.6E -1 (-2.9 - 1.5)E 0 (0/ 4)		NO DATA
Pb-212 (12) (0)		4.0E -1 (-3.4 - 2.7)E 0 (0/ 12)	13	1.1E 0 (0.0 - 1.5)E 0 (0/ 4)		NO DATA
Pb-214 (12) (0)		2.4E 1 (-6.8 - 1390.0)E -1 (5/ 12)	14	6.5E 1 (9.5 - 1390.0)E -1 (3/ 4)		NO DATA
Bi-214 (12) (0)		2.3E 1 (-4.3 - 1240.0)E -1 (5/ 12)	14	6.0E 1 (1.1 - 124.0)E 0 (3/ 4)		NO DATA
Ac-228 (12) (0)		-4.9E -1 (-8.9 - 7.8)E 0 (0/ 12)	13	3.8E 0 (2.4 - 78.4)E -1 (0/ 4)		NO DATA
Th-228 (12) (0)		4.0E -1 (-3.4 - 2.7)E 0 (0/ 12)	13	1.1E 0 (0.0 - 1.5)E 0 (0/ 4)		NO DATA

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

** The fraction of detectable measurements (i.e., > 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 two sub-tidal sediment cores 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

MEDIUM: Sediment (SE) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (10) (0)		-1.5E 2 (-3.2 - 2.1)E 2 (0/ 6)	07	-2.0E 0 (-2.2 - 2.1)E 2 (0/ 2)	-8.7E 1 (-2.3 - 1.5)E 2 (0/ 4)
K-40 (10) (0)		1.8E 4 (1.5 - 2.5)E 4 (6/ 6)	57	2.7E 4 (2.5 - 2.8)E 4 (2/ 2)	2.1E 4 (1.3 - 2.8)E 4 (4/ 4)
Cr-51 (10) (0)		8.0E 1 (-4.7 - 32.7)E 1 (0/ 6)	02	2.3E 2 (1.3 - 3.3)E 2 (0/ 2)	5.5E 1 (-7.6 - 11.4)E 1 (0/ 4)
Mn-54 (10) (0)		6.2E 0 (-2.3 - 4.2)E 1 (0/ 6)	52	3.9E 1 (3.6 - 4.1)E 1 (0/ 2)	1.6E 1 (-1.8 - 4.1)E 1 (0/ 4)
Co-57 (10) (0)		-5.2E -1 (-1.8 - 0.7)E 1 (0/ 6)	08	5.9E 0 (4.6 - 7.1)E 0 (0/ 2)	3.1E 0 (-9.9 - 79.2)E -1 (0/ 4)
Co-58 (10) (0)		-1.1E 1 (-3.4 - 2.0)E 1 (0/ 6)	52	8.8E 0 (6.3 - 11.3)E 0 (0/ 2)	2.6E 0 (-2.3 - 1.6)E 1 (0/ 4)
Fe-59 (10) (0)		-5.7E 0 (-7.7 - 12.8)E 1 (0/ 6)	02	3.6E 1 (-5.5 - 12.8)E 1 (0/ 2)	-3.9E 1 (-6.7 - 1.0)E 1 (0/ 4)
Co-60 (10) (0)		2.4E 0 (-3.3 - 9.9)E 0 (0/ 6)	07	6.6E 0 (3.4 - 9.9)E 0 (0/ 2)	-1.5E 1 (-2.9 - -0.5)E 1 (0/ 4)
Zn-65 (10) (0)		1.9E 1 (-4.7 - 8.7)E 1 (0/ 6)	08	6.2E 1 (3.7 - 8.7)E 1 (0/ 2)	-1.4E 1 (-1.0 - 0.5)E 2 (0/ 4)
Se-75 (10) (0)		1.9E 0 (-4.7 - 12.4)E 0 (0/ 6)	57	1.6E 1 (1.6 - 1.7)E 1 (0/ 2)	4.3E 0 (-3.2 - 1.7)E 1 (0/ 4)
Nb-95 (10) (0)		9.0E -2 (-3.2 - 3.6)E 1 (0/ 6)	02	3.2E 1 (2.8 - 3.6)E 1 (0/ 2)	1.3E 1 (-1.2 - 3.2)E 1 (0/ 4)
Zr-95 (10) (0)		1.3E 1 (-1.6 - 3.7)E 1 (0/ 6)	07	3.0E 1 (2.2 - 3.7)E 1 (0/ 2)	2.1E 1 (-5.2 - 10.3)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

MEDIUM: Sediment (SE) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (10) (0)		-2.0E 0 (-1.2 - 1.4)E 1 (0/ 6)	57	1.2E 1 (-3.9 - 27.3)E 0 (0/ 2)	6.3E 0 (-1.3 - 2.7)E 1 (0/ 4)
Ru-106 (10) (0)		5.6E 1 (-5.3 - 16.0)E 1 (0/ 6)	08	6.4E 1 (5.3 - 7.5)E 1 (0/ 2)	-4.0E 1 (-1.0 - 0.2)E 2 (0/ 4)
Ag-108m (10) (0)		2.4E 0 (-1.6 - 1.5)E 1 (0/ 6)	02	1.2E 1 (7.9 - 15.1)E 0 (0/ 2)	-5.3E 0 (-1.9 - 1.2)E 1 (0/ 4)
Ag-110m (10) (0)		-4.1E 0 (-1.8 - 3.1)E 1 (0/ 6)	57	1.0E 1 (0.0 - 2.0)E 1 (0/ 2)	-1.1E 1 (-4.9 - 2.0)E 1 (0/ 4)
Sb-124 (10) (0)		-1.3E 1 (-1.3 - 0.7)E 2 (0/ 6)	52	1.7E 1 (-2.2 - 5.5)E 1 (0/ 2)	5.0E 0 (-2.2 - 5.5)E 1 (0/ 4)
Sb-125 (10) (0)		5.5E 0 (-1.8 - 4.3)E 1 (0/ 6)	02	3.7E 1 (3.1 - 4.3)E 1 (0/ 2)	3.3E 1 (-1.6 - 7.8)E 1 (0/ 4)
I-131 (10) (0)		-2.2E 1 (-2.5 - 2.0)E 2 (0/ 6)	52	1.2E 2 (2.3 - 241.0)E 0 (0/ 2)	9.1E 1 (-1.8 - 3.0)E 2 (0/ 4)
Cs-134 (10) (0)	150	1.1E 1 (-1.5 - 3690.0)E -2 (0/ 6)	52	4.2E 1 (0.0 - 8.5)E 1 (0/ 2)	1.9E 1 (-5.6 - 84.8)E 0 (0/ 4)
Cs-137 (10) (0)	180	-4.9E 0 (-3.1 - 1.4)E 1 (0/ 6)	02	1.1E 1 (8.1 - 14.2)E 0 (0/ 2)	1.8E 0 (-9.9 - 12.9)E 0 (0/ 4)
Ba-140 (10) (0)		7.2E 1 (-1.8 - 2.4)E 2 (0/ 6)	08	1.4E 2 (4.5 - 24.2)E 1 (0/ 2)	-1.1E 2 (-3.4 - 0.8)E 2 (0/ 4)
La-140 (10) (0)		5.6E 0 (-1.1 - 1.1)E 2 (0/ 6)	02	2.8E 1 (1.4 - 4.2)E 1 (0/ 2)	-6.4E 1 (-2.2 - 0.2)E 2 (0/ 4)
Ce-141 (10) (0)		3.6E 0 (-3.8 - 7.2)E 1 (0/ 6)	52	4.2E 1 (2.1 - 6.4)E 1 (0/ 2)	1.9E 1 (-1.2 - 6.4)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

MEDIUM: Sediment (SE) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144 (10) (0)		1.8E 1 (-1.8 - 4.5)E 2 (0/ 6)	08	1.9E 2 (-7.5 - 44.6)E 1 (0/ 2)	-6.7E -1 (-5.8 - 3.4)E 1 (0/ 4)
TL-208 (10) (0)		2.1E 2 (0.0 - 4.3)E 2 (5/ 6)	52	8.4E 2 (7.1 - 9.6)E 2 (2/ 2)	4.9E 2 (1.5 - 9.6)E 2 (4/ 4)
Pb-212 (10) (0)		7.2E 2 (2.8 - 15.8)E 2 (6/ 6)	52	3.0E 3 (2.6 - 3.5)E 3 (2/ 2)	1.7E 3 (3.9 - 34.6)E 2 (4/ 4)
Pb-214 (10) (0)		6.5E 2 (2.9 - 12.5)E 2 (6/ 6)	52	2.0E 3 (1.9 - 2.2)E 3 (2/ 2)	1.2E 3 (3.1 - 21.7)E 2 (4/ 4)
Bi-214 (10) (0)		4.7E 2 (0.0 - 1.1)E 3 (5/ 6)	52	1.8E 3 (1.5 - 2.0)E 3 (2/ 2)	1.0E 3 (2.7 - 20.4)E 2 (4/ 4)
Ra-226 (10) (0)		6.5E 2 (2.9 - 12.5)E 2 (6/ 6)	52	2.0E 3 (1.9 - 2.2)E 3 (2/ 2)	1.2E 3 (3.1 - 21.7)E 2 (4/ 4)
Ac-228 (10) (0)		6.7E 2 (0.0 - 1.6)E 3 (3/ 6)	52	2.7E 3 (2.2 - 3.2)E 3 (2/ 2)	1.6E 3 (2.8 - 32.1)E 2 (4/ 4)
Th-228 (10) (0)		7.2E 2 (2.8 - 15.8)E 2 (6/ 6)	52	3.0E 3 (2.6 - 3.5)E 3 (2/ 2)	1.7E 3 (3.9 - 34.6)E 2 (4/ 4)
Th-230 (10) (0)		6.5E 2 (2.9 - 12.5)E 2 (6/ 6)	52	2.0E 3 (1.9 - 2.2)E 3 (2/ 2)	1.2E 3 (3.1 - 21.7)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 9 fish samples were collected. The fish species available from Station FH-03 (indicator station) and Station FH-53 (control station) were dominated by Winter Flounder which are bottom dwelling species. One sample of Cunner was collected from FH-06 (indicator station in the area of the plant's discharge). One sample of Cod was also collected from sample location FH-53 (control station, Ipswich Bay). Also, one sample of Yellowtail was collected from FH-03 (Hampton Bay in the area of the plant's discharge).

A gamma analysis was performed on the edible portion of each sample collected. In 2024, the only radionuclide detected was naturally-occurring K-40 (9 of 9 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 2024, one Cunner sample was collected from Hampton Bay. The results are listed in Attachment 1 as laboratory number 693390001 (10/29/2024). No plant radionuclides were detected in the Cunner fish sample, 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (9) (0)		2.1E 0 (-1.6 - 2.3)E 1 (0/ 5)	06	2.3E 1 (0/ 1)	-3.9E 1 (-1.1 - 0.3)E 2 (0/ 4)
K-40 (9) (0)		3.2E 3 (2.3 - 3.9)E 3 (5/ 5)	03	3.4E 3 (3.1 - 3.9)E 3 (4/ 4)	2.9E 3 (2.0 - 3.7)E 3 (4/ 4)
Cr-51 (9) (0)		2.7E 1 (-1.6 - 63.8)E 0 (0/ 5)	03	3.4E 1 (2.0 - 63.8)E 0 (0/ 4)	-8.9E 0 (-6.8 - 7.6)E 1 (0/ 4)
Mn-54 (9) (0)	130	2.0E 0 (3.0 - 32.0)E -1 (0/ 5)	06	3.2E 0 (0/ 1)	5.4E -1 (-5.2 - 7.9)E 0 (0/ 4)
Co-57 (9) (0)		9.9E -1 (-4.5 - 34.3)E -1 (0/ 5)	53	1.3E 0 (-6.8 - 53.5)E -1 (0/ 4)	1.3E 0 (-6.8 - 53.5)E -1 (0/ 4)
Co-58 (9) (0)	130	-1.5E 0 (-6.2 - 0.6)E 0 (0/ 5)	06	4.1E -1 (0/ 1)	-1.6E 0 (-6.0 - 1.5)E 0 (0/ 4)
Fe-59 (9) (0)	260	-2.1E 0 (-5.2 - 5.5)E 0 (0/ 5)	53	-1.4E 0 (-1.9 - 1.2)E 1 (0/ 4)	-1.4E 0 (-1.9 - 1.2)E 1 (0/ 4)
Co-60 (9) (0)	130	6.1E -1 (-1.4 - 2.6)E 0 (0/ 5)	03	1.1E 0 (-1.2 - 2.6)E 0 (0/ 4)	-1.9E 0 (-7.4 - 5.3)E 0 (0/ 4)
Zn-65 (9) (0)	260	2.5E 0 (-1.4 - 1.7)E 1 (0/ 5)	06	7.0E 0 (0/ 1)	3.8E -1 (-1.2 - 1.4)E 1 (0/ 4)
Se-75 (9) (0)		1.6E 0 (-8.7 - 9.0)E 0 (0/ 5)	06	1.7E 0 (0/ 1)	-4.2E 0 (-7.1 - 0.8)E 0 (0/ 4)
Nb-95 (9) (0)		2.6E 0 (1.2 - 85.4)E -1 (0/ 5)	03	2.9E 0 (1.2 - 85.4)E -1 (0/ 4)	-1.2E -1 (-1.4 - 0.9)E 0 (0/ 4)
Zr-95 (9) (0)		2.8E 0 (-3.6 - 8.7)E 0 (0/ 5)	03	3.0E 0 (-3.6 - 8.7)E 0 (0/ 4)	-4.7E 0 (-1.2 - 0.5)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (9) (0)		6.3E -1 (-4.1 - 2.9)E 0 (0/ 5)	06	2.7E 0 (0/ 1)	9.9E -1 (-1.9 - 23.8)E -1 (0/ 4)
Ru-106 (9) (0)		2.7E 0 (-3.5 - 2.7)E 1 (0/ 5)	53	2.8E 1 (8.5 - 67.8)E 0 (0/ 4)	2.8E 1 (8.5 - 67.8)E 0 (0/ 4)
Ag-108m (9) (0)		-8.9E -1 (-4.4 - 1.2)E 0 (0/ 5)	53	5.9E -1 (-3.1 - 3.7)E 0 (0/ 4)	5.9E -1 (-3.1 - 3.7)E 0 (0/ 4)
Ag-110m (9) (0)		-2.2E 0 (-4.6 - -0.1)E 0 (0/ 5)	53	1.2E 0 (-7.1 - 8.9)E 0 (0/ 4)	1.2E 0 (-7.1 - 8.9)E 0 (0/ 4)
Sb-124 (9) (0)		3.5E 0 (-5.1 - 99.8)E -1 (0/ 5)	03	4.5E 0 (-1.2 - 99.8)E -1 (0/ 4)	3.4E 0 (-8.4 - 15.5)E 0 (0/ 4)
Sb-125 (9) (0)		6.9E 0 (-5.3 - 18.1)E 0 (0/ 5)	03	7.5E 0 (-5.3 - 18.1)E 0 (0/ 4)	-3.0E 0 (-7.7 - 2.1)E 0 (0/ 4)
I-131 (9) (0)		1.1E 1 (-2.1 - 52.2)E 0 (0/ 5)	03	1.3E 1 (-2.1 - 52.2)E 0 (0/ 4)	-7.2E 0 (-2.2 - 0.4)E 1 (0/ 4)
Cs-134 (9) (0)	130	5.2E -1 (-3.5 - 3.3)E 0 (0/ 5)	06	2.4E 0 (0/ 1)	7.7E -1 (-1.3 - 3.1)E 0 (0/ 4)
Cs-137 (9) (0)	150	3.4E 0 (-2.8 - 9.7)E 0 (0/ 5)	03	4.1E 0 (-2.8 - 9.7)E 0 (0/ 4)	2.2E 0 (-3.3 - 50.3)E -1 (0/ 4)
Ba-140 (9) (0)		-2.7E 0 (-1.8 - 2.5)E 1 (0/ 5)	53	6.0E 0 (-4.7 - 5.1)E 1 (0/ 4)	6.0E 0 (-4.7 - 5.1)E 1 (0/ 4)
La-140 (9) (0)		-2.3E 0 (-9.4 - 8.0)E 0 (0/ 5)	53	3.9E 0 (-7.6 - 16.0)E 0 (0/ 4)	3.9E 0 (-7.6 - 16.0)E 0 (0/ 4)
Ce-141 (9) (0)		-2.5E 0 (-7.3 - 4.3)E 0 (0/ 5)	03	-2.1E 0 (-7.3 - 4.3)E 0 (0/ 4)	-3.6E 0 (-7.7 - 0.0)E 0 (0/ 4)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144 (9) (0)		-8.7E 0 (-2.8 - 0.9)E 1 (0/ 5)	53	-5.1E 0 (-4.7 - 3.8)E 1 (0/ 4)	-5.1E 0 (-4.7 - 3.8)E 1 (0/ 4)
TL-208 (9) (0)		2.2E 0 (-5.6 - 9.3)E 0 (0/ 5)	06	9.3E 0 (0/ 1)	2.0E 0 (-6.5 - 9.9)E 0 (0/ 4)
Pb-212 (9) (0)		3.8E 0 (0.0 - 8.1)E 0 (0/ 5)	53	6.6E 0 (-8.8 - 23.3)E 0 (0/ 4)	6.6E 0 (-8.8 - 23.3)E 0 (0/ 4)
Pb-214 (9) (0)		3.4E 0 (-1.6 - 12.9)E 0 (0/ 5)	06	1.3E 1 (0/ 1)	-4.1E 0 (-1.3 - 0.2)E 1 (0/ 4)
Bi-214 (9) (0)		3.4E 0 (-9.4 - 66.0)E -1 (0/ 5)	03	4.5E 0 (-5.1 - 660.0)E -2 (0/ 4)	-3.9E 0 (-1.2 - 0.3)E 1 (0/ 4)
Ra-226 (9) (0)		3.4E 0 (-1.6 - 12.9)E 0 (0/ 5)	06	1.3E 1 (0/ 1)	-4.1E 0 (-1.3 - 0.2)E 1 (0/ 4)
Ac-228 (9) (0)		2.1E 0 (-6.1 - 20.9)E 0 (0/ 5)	03	3.5E 0 (-6.1 - 20.9)E 0 (0/ 4)	2.9E 0 (-9.9 - 14.0)E 0 (0/ 4)
Th-228 (9) (0)		3.8E 0 (0.0 - 8.1)E 0 (0/ 5)	53	6.6E 0 (-8.8 - 23.3)E 0 (0/ 4)	6.6E 0 (-8.8 - 23.3)E 0 (0/ 4)
Th-230 (9) (0)		3.4E 0 (-1.6 - 12.9)E 0 (0/ 5)	06	1.3E 1 (0/ 1)	-4.1E 0 (-1.3 - 0.2)E 1 (0/ 4)

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

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

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 2024 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (4) (0)		8.0E 0 (-5.7 - 21.7)E 0 (0/ 2)	04	8.0E 0 (-5.7 - 21.7)E 0 (0/ 2)	-9.5E -1 (-1.5 - 1.3)E 1 (0/ 2)
K-40 (4) (0)		2.3E 3 (2.1 - 2.5)E 3 (2/ 2)	54	2.3E 3 (2.2 - 2.4)E 3 (2/ 2)	2.3E 3 (2.2 - 2.4)E 3 (2/ 2)
Cr-51 (4) (0)		-3.7E 0 (-9.4 - 2.0)E 0 (0/ 2)	54	3.8E 1 (3.7 - 3.9)E 1 (0/ 2)	3.8E 1 (3.7 - 3.9)E 1 (0/ 2)
Mn-54 (4) (0)	130	-1.3E 0 (-2.3 - -0.2)E 0 (0/ 2)	54	1.4E 0 (1.0 - 1.8)E 0 (0/ 2)	1.4E 0 (1.0 - 1.8)E 0 (0/ 2)
Co-57 (4) (0)		-4.1E -1 (-1.8 - 1.0)E 0 (0/ 2)	54	1.2E 0 (7.0 - 243.0)E -2 (0/ 2)	1.2E 0 (7.0 - 243.0)E -2 (0/ 2)
Co-58 (4) (0)	130	1.3E 0 (1.2 - 1.5)E 0 (0/ 2)	04	1.3E 0 (1.2 - 1.5)E 0 (0/ 2)	-7.8E -1 (-1.6 - 0.0)E 0 (0/ 2)
Fe-59 (4) (0)	260	-3.7E 0 (-6.1 - -1.3)E 0 (0/ 2)	54	-1.1E 0 (-1.9 - -0.3)E 0 (0/ 2)	-1.1E 0 (-1.9 - -0.3)E 0 (0/ 2)
Co-60 (4) (0)	130	2.2E 0 (-1.9 - 6.2)E 0 (0/ 2)	04	2.2E 0 (-1.9 - 6.2)E 0 (0/ 2)	-7.9E -1 (-1.6 - 0.0)E 0 (0/ 2)
Zn-65 (4) (0)	260	-3.6E 0 (-7.2 - -0.1)E 0 (0/ 2)	54	-1.7E 0 (-2.1 - -1.2)E 0 (0/ 2)	-1.7E 0 (-2.1 - -1.2)E 0 (0/ 2)
Se-75 (4) (0)		-1.5E 0 (-4.0 - 1.1)E 0 (0/ 2)	54	9.5E -1 (5.5 - 13.6)E -1 (0/ 2)	9.5E -1 (5.5 - 13.6)E -1 (0/ 2)
Nb-95 (4) (0)		1.8E 0 (1.2 - 2.4)E 0 (0/ 2)	04	1.8E 0 (1.2 - 2.4)E 0 (0/ 2)	-1.1E 0 (-1.5 - -0.8)E 0 (0/ 2)
Zr-95 (4) (0)		-2.0E 0 (-4.8 - 0.8)E 0 (0/ 2)	54	6.2E 0 (1.7 - 10.8)E 0 (0/ 2)	6.2E 0 (1.7 - 10.8)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (4) (0)		6.2E -1 (-2.9 - 15.3)E -1 (0/ 2)	04	6.2E -1 (-2.9 - 15.3)E -1 (0/ 2)	-2.1E 0 (-2.7 - -1.5)E 0 (0/ 2)
Ru-106 (4) (0)		-2.0E 1 (-3.1 - -0.8)E 1 (0/ 2)	54	2.5E 1 (-8.3 - 58.8)E 0 (0/ 2)	2.5E 1 (-8.3 - 58.8)E 0 (0/ 2)
Ag-108m (4) (0)		-8.4E -1 (-3.6 - 1.9)E 0 (0/ 2)	54	1.1E 0 (-2.9 - 5.0)E 0 (0/ 2)	1.1E 0 (-2.9 - 5.0)E 0 (0/ 2)
Ag-110m (4) (0)		-2.5E 0 (-8.5 - 3.6)E 0 (0/ 2)	04	-2.5E 0 (-8.5 - 3.6)E 0 (0/ 2)	-5.3E 0 (-7.3 - -3.3)E 0 (0/ 2)
Sb-124 (4) (0)		-4.8E 0 (-9.2 - -0.4)E 0 (0/ 2)	54	4.0E -1 (-6.9 - 7.7)E 0 (0/ 2)	4.0E -1 (-6.9 - 7.7)E 0 (0/ 2)
Sb-125 (4) (0)		7.3E 0 (3.7 - 10.9)E 0 (0/ 2)	04	7.3E 0 (3.7 - 10.9)E 0 (0/ 2)	1.0E -2 (-2.8 - 2.8)E 0 (0/ 2)
I-131 (4) (0)		1.5E 0 (-2.5 - 5.6)E 0 (0/ 2)	04	1.5E 0 (-2.5 - 5.6)E 0 (0/ 2)	8.0E -2 (-1.3 - 1.5)E 0 (0/ 2)
Cs-134 (4) (0)	130	-2.5E 0 (-3.3 - -1.7)E 0 (0/ 2)	54	2.5E 0 (1.1 - 3.9)E 0 (0/ 2)	2.5E 0 (1.1 - 3.9)E 0 (0/ 2)
Cs-137 (4) (0)	150	1.5E 0 (-3.2 - 32.8)E -1 (0/ 2)	54	1.9E 0 (6.8 - 377.0)E -2 (0/ 2)	1.9E 0 (6.8 - 377.0)E -2 (0/ 2)
Ba-140 (4) (0)		-3.5E 0 (-2.3 - 1.6)E 1 (0/ 2)	54	2.4E 1 (9.9 - 38.6)E 0 (0/ 2)	2.4E 1 (9.9 - 38.6)E 0 (0/ 2)
La-140 (4) (0)		-2.5E 0 (-1.1 - 0.6)E 1 (0/ 2)	54	-1.6E -1 (-2.8 - 2.5)E 0 (0/ 2)	-1.6E -1 (-2.8 - 2.5)E 0 (0/ 2)
Ce-141 (4) (0)		-6.7E 0 (-7.4 - -6.0)E 0 (0/ 2)	54	-2.5E 0 (-7.8 - 2.9)E 0 (0/ 2)	-2.5E 0 (-7.8 - 2.9)E 0 (0/ 2)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144	(4) (0)	2.5E 0 (-8.2 - 59.2)E -1 (0/ 2)	04	2.5E 0 (-8.2 - 59.2)E -1 (0/ 2)	-2.7E 0 (-5.6 - 0.3)E 0 (0/ 2)
TL-208	(4) (0)	6.2E -1 (0.0 - 1.2)E 0 (0/ 2)	04	6.2E -1 (0.0 - 1.2)E 0 (0/ 2)	1.7E -1 (-2.1 - 2.4)E 0 (0/ 2)
Pb-212	(4) (0)	5.6E 0 (8.4 - 103.0)E -1 (0/ 2)	04	5.6E 0 (8.4 - 103.0)E -1 (0/ 2)	-6.2E 0 (-7.0 - -5.4)E 0 (0/ 2)
Pb-214	(4) (0)	-3.7E -1 (-7.8 - 7.1)E 0 (0/ 2)	54	3.8E -1 (-9.0 - 16.7)E -1 (0/ 2)	3.8E -1 (-9.0 - 16.7)E -1 (0/ 2)
Bi-214	(4) (0)	2.8E 0 (1.5 - 4.1)E 0 (0/ 2)	54	8.2E 0 (3.5 - 12.8)E 0 (0/ 2)	8.2E 0 (3.5 - 12.8)E 0 (0/ 2)
Ra-226	(4) (0)	-3.7E -1 (-7.8 - 7.1)E 0 (0/ 2)	54	3.8E -1 (-9.0 - 16.7)E -1 (0/ 2)	3.8E -1 (-9.0 - 16.7)E -1 (0/ 2)
Ac-228	(4) (0)	2.3E 0 (-1.2 - 5.7)E 0 (0/ 2)	04	2.3E 0 (-1.2 - 5.7)E 0 (0/ 2)	-6.3E 0 (-7.9 - -4.7)E 0 (0/ 2)
Th-228	(4) (0)	5.6E 0 (8.4 - 103.0)E -1 (0/ 2)	04	5.6E 0 (8.4 - 103.0)E -1 (0/ 2)	-6.2E 0 (-7.0 - -5.4)E 0 (0/ 2)
Th-230	(4) (0)	-3.7E -1 (-7.8 - 7.1)E 0 (0/ 2)	54	3.8E -1 (-9.0 - 16.7)E -1 (0/ 2)	3.8E -1 (-9.0 - 16.7)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.

3.9 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 2024, 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 2024 and analyzed for radioactivity in the edible portion or meat of the shellfish.

The only radionuclide detected in edible shellfish body samples in 2024 was naturally-occurring K-40 (8 of 8 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 (five samples) to see if there was any indication of strontium uptake into the shell. For 2024, 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (8) (0)		3.9E 1 (1.7 - 7.1)E 1 (0/ 4)	09	4.4E 1 (1.7 - 7.1)E 1 (0/ 2)	2.8E 1 (0.0 - 4.6)E 1 (0/ 4)
K-40 (8) (0)		1.3E 3 (9.9 - 15.6)E 2 (4/ 4)	59	1.6E 3 (1.5 - 1.8)E 3 (2/ 2)	1.5E 3 (1.4 - 1.8)E 3 (4/ 4)
Cr-51 (8) (0)		4.8E 1 (-4.9 - 25.3)E 1 (0/ 4)	06	1.1E 2 (-2.5 - 25.3)E 1 (0/ 2)	-4.0E 0 (-1.4 - 1.6)E 1 (0/ 4)
Mn-54 (8) (0)	130	2.5E 0 (-3.5 - 7.9)E 0 (0/ 4)	09	2.7E 0 (2.2 - 3.2)E 0 (0/ 2)	1.4E 0 (-1.3 - 4.5)E 0 (0/ 4)
Co-57 (8) (0)		-6.4E -1 (-1.3 - 0.0)E 0 (0/ 4)	06	-1.7E -1 (-3.4 - 0.0)E -1 (0/ 2)	-1.0E 0 (-2.4 - 0.2)E 0 (0/ 4)
Co-58 (8) (0)	130	-8.8E -1 (-2.9 - 0.7)E 0 (0/ 4)	59	3.2E 0 (-7.4 - 70.8)E -1 (0/ 2)	1.4E 0 (-1.4 - 7.1)E 0 (0/ 4)
Fe-59 (8) (0)	260	6.6E 0 (-1.4 - 17.1)E 0 (0/ 4)	06	7.9E 0 (-1.3 - 17.1)E 0 (0/ 2)	7.0E -1 (-4.1 - 6.5)E 0 (0/ 4)
Co-60 (8) (0)	130	4.1E 0 (-3.0 - 19.4)E 0 (0/ 4)	06	8.2E 0 (-3.0 - 19.4)E 0 (0/ 2)	-1.4E 0 (-3.4 - 2.5)E 0 (0/ 4)
Zn-65 (8) (0)	260	-8.7E 0 (-1.1 - -0.5)E 1 (0/ 4)	59	2.4E 0 (-1.4 - 6.1)E 0 (0/ 2)	4.3E -1 (-2.9 - 6.1)E 0 (0/ 4)
Se-75 (8) (0)		-2.5E 0 (-9.1 - 0.4)E 0 (0/ 4)	56	2.9E 0 (8.2 - 49.3)E -1 (0/ 2)	2.5E -1 (-2.9 - 4.9)E 0 (0/ 4)
Nb-95 (8) (0)		-8.1E -1 (-5.4 - 3.7)E 0 (0/ 4)	59	2.4E 0 (3.6 - 482.0)E -2 (0/ 2)	2.1E 0 (3.6 - 482.0)E -2 (0/ 4)
Zr-95 (8) (0)		-2.0E 0 (-8.2 - 3.2)E 0 (0/ 4)	56	1.3E 0 (-3.2 - 5.8)E 0 (0/ 2)	-9.0E -2 (-4.7 - 5.8)E 0 (0/ 4)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (8) (0)		1.1E 0 (-3.2 - 4.8)E 0 (0/ 4)	09	1.4E 0 (-9.0 - 37.3)E -1 (0/ 2)	3.1E -1 (-5.9 - 24.2)E -1 (0/ 4)
Ru-106 (8) (0)		-9.1E 0 (-5.9 - 2.6)E 1 (0/ 4)	56	3.3E 1 (3.1 - 3.6)E 1 (0/ 2)	2.0E 1 (-1.6 - 3.6)E 1 (0/ 4)
Ag-108m (8) (0)		-2.3E 0 (-8.8 - 1.7)E 0 (0/ 4)	59	1.8E 0 (1.5 - 2.1)E 0 (0/ 2)	3.2E -1 (-2.3 - 2.1)E 0 (0/ 4)
Ag-110m (8) (0)		2.1E 0 (-2.0 - 8.1)E 0 (0/ 4)	06	5.9E 0 (3.7 - 8.1)E 0 (0/ 2)	-1.5E 0 (-1.9 - -0.5)E 0 (0/ 4)
Sb-124 (8) (0)		-2.9E 0 (-1.5 - 0.7)E 1 (0/ 4)	09	2.7E 0 (-1.3 - 6.6)E 0 (0/ 2)	6.6E -1 (-5.8 - 3.5)E 0 (0/ 4)
Sb-125 (8) (0)		-1.0E 0 (-6.9 - 9.5)E 0 (0/ 4)	09	3.6E 0 (-2.3 - 9.5)E 0 (0/ 2)	-5.3E -1 (-4.8 - 5.5)E 0 (0/ 4)
I-131 (8) (0)		2.9E -1 (-1.9 - 1.0)E 1 (0/ 4)	56	1.6E 1 (-2.6 - 33.9)E 0 (0/ 2)	5.4E 0 (-1.1 - 3.4)E 1 (0/ 4)
Cs-134 (8) (0)	130	4.4E 0 (-3.8 - 167.0)E -1 (0/ 4)	06	8.2E 0 (-3.8 - 167.0)E -1 (0/ 2)	1.4E 0 (-1.7 - 56.8)E -1 (0/ 4)
Cs-137 (8) (0)	150	3.1E -2 (-1.6 - 1.8)E 0 (0/ 4)	59	3.1E 0 (2.5 - 3.7)E 0 (0/ 2)	2.5E 0 (1.6 - 3.7)E 0 (0/ 4)
Ba-140 (8) (0)		1.1E 1 (-3.3 - 8.9)E 1 (0/ 4)	06	4.7E 1 (4.4 - 89.2)E 0 (0/ 2)	5.3E 0 (-1.4 - 1.8)E 1 (0/ 4)
La-140 (8) (0)		-3.3E 0 (-2.5 - 0.9)E 1 (0/ 4)	06	4.4E 0 (2.0 - 86.0)E -1 (0/ 2)	1.5E -1 (-1.3 - 0.9)E 1 (0/ 4)
Ce-141 (8) (0)		-1.9E 1 (-4.0 - -0.6)E 1 (0/ 4)	56	1.7E 0 (-2.4 - 5.8)E 0 (0/ 2)	1.7E 0 (-2.4 - 5.8)E 0 (0/ 4)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144 (8) (0)		-1.8E 0 (-8.1 - 5.1)E 0 (0/ 4)	56	8.0E 0 (6.1 - 9.9)E 0 (0/ 2)	-2.9E 0 (-2.6 - 1.0)E 1 (0/ 4)
TL-208 (8) (0)		2.7E -1 (-5.4 - 16.1)E -1 (0/ 4)	56	8.7E -1 (-2.6 - 4.3)E 0 (0/ 2)	3.2E -1 (-2.6 - 4.3)E 0 (0/ 4)
Pb-212 (8) (0)		-9.0E 0 (-4.3 - 0.7)E 1 (0/ 4)	56	3.4E 0 (2.5 - 4.3)E 0 (0/ 2)	1.5E 0 (-4.4 - 4.3)E 0 (0/ 4)
Pb-214 (8) (0)		-8.0E 0 (-5.4 - 1.2)E 1 (0/ 4)	09	5.3E 0 (0.0 - 1.1)E 1 (0/ 2)	-2.9E 0 (-9.0 - 5.2)E 0 (0/ 4)
Bi-214 (8) (0)		-9.3E 0 (-3.3 - 0.3)E 1 (0/ 4)	59	8.8E -1 (-3.7 - 5.4)E 0 (0/ 2)	-6.5E -1 (-5.2 - 5.4)E 0 (0/ 4)
Ra-226 (8) (0)		-8.0E 0 (-5.4 - 1.2)E 1 (0/ 4)	09	5.3E 0 (0.0 - 1.1)E 1 (0/ 2)	-2.9E 0 (-9.0 - 5.2)E 0 (0/ 4)
Ac-228 (8) (0)		9.0E 0 (-9.9 - 28.1)E 0 (0/ 4)	09	1.5E 1 (2.0 - 28.1)E 0 (0/ 2)	-8.0E 0 (-2.1 - 1.1)E 1 (0/ 4)
Th-228 (8) (0)		-9.0E 0 (-4.3 - 0.7)E 1 (0/ 4)	56	3.4E 0 (2.5 - 4.3)E 0 (0/ 2)	1.5E 0 (-4.4 - 4.3)E 0 (0/ 4)
Th-230 (8) (0)		-8.0E 0 (-5.4 - 1.2)E 1 (0/ 4)	09	5.3E 0 (0.0 - 1.1)E 1 (0/ 2)	-2.9E 0 (-9.0 - 5.2)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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

MEDIUM: Mussel Shell (MS) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Sr-89	(5)	2.3E 1	06	2.3E 1	5.0E -1
	(0)	(-2.2 - 51.6)E 0 (0/ 3)		(-2.2 - 51.6)E 0 (0/ 3)	(-1.9 - 2.0)E 1 (0/ 2)
Sr-90	(5)	-6.7E 1	56	1.8E 1	1.8E 1
	(0)	(-9.8 - -3.8)E 1 (0/ 3)		(-1.1 - 4.7)E 1 (0/ 2)	(-1.1 - 4.7)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 both indicator and control samples. Moreover, Th-228 and Be-7 were detected in one control sample. No plant-related radionuclides were detected in any of the samples. 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (4) (0)		4.5E 1 (0.0 - 9.0)E 1 (0/ 2)	55	1.8E 2 (3.8 - 32.1)E 1 (1/ 2)	1.8E 2 (3.8 - 32.1)E 1 (1/ 2)
K-40 (4) (0)		9.1E 3 (8.5 - 9.7)E 3 (2/ 2)	05	9.1E 3 (8.5 - 9.7)E 3 (2/ 2)	6.9E 3 (6.2 - 7.6)E 3 (2/ 2)
Cr-51 (4) (0)		2.2E 1 (1.8 - 2.6)E 1 (0/ 2)	05	2.2E 1 (1.8 - 2.6)E 1 (0/ 2)	-1.2E 1 (-3.2 - 0.9)E 1 (0/ 2)
Mn-54 (4) (0)		2.4E 0 (-2.2 - 7.0)E 0 (0/ 2)	05	2.4E 0 (-2.2 - 7.0)E 0 (0/ 2)	3.9E -1 (-3.7 - 4.5)E 0 (0/ 2)
Co-57 (4) (0)		3.4E -1 (-1.8 - 2.4)E 0 (0/ 2)	55	1.1E 0 (9.3 - 13.4)E -1 (0/ 2)	1.1E 0 (9.3 - 13.4)E -1 (0/ 2)
Co-58 (4) (0)		-5.3E 0 (-1.1 - 0.1)E 1 (0/ 2)	55	-3.2E -1 (-2.7 - 2.1)E 0 (0/ 2)	-3.2E -1 (-2.7 - 2.1)E 0 (0/ 2)
Fe-59 (4) (0)		1.4E 0 (-2.1 - 4.8)E 0 (0/ 2)	05	1.4E 0 (-2.1 - 4.8)E 0 (0/ 2)	-1.7E 1 (-2.2 - -1.2)E 1 (0/ 2)
Co-60 (4) (0)		5.1E 0 (1.8 - 99.2)E -1 (0/ 2)	05	5.1E 0 (1.8 - 99.2)E -1 (0/ 2)	2.1E 0 (-1.4 - 5.5)E 0 (0/ 2)
Zn-65 (4) (0)		-4.9E 0 (-5.3 - -4.4)E 0 (0/ 2)	05	-4.9E 0 (-5.3 - -4.4)E 0 (0/ 2)	-1.6E 1 (-2.5 - -0.7)E 1 (0/ 2)
Se-75 (4) (0)		1.7E -1 (-4.3 - 4.6)E 0 (0/ 2)	05	1.7E -1 (-4.3 - 4.6)E 0 (0/ 2)	-4.7E 0 (-6.3 - -3.1)E 0 (0/ 2)
Nb-95 (4) (0)		1.2E 0 (-1.1 - 3.6)E 0 (0/ 2)	05	1.2E 0 (-1.1 - 3.6)E 0 (0/ 2)	-1.2E 0 (-6.0 - 3.5)E 0 (0/ 2)
Zr-95 (4) (0)		-2.9E 0 (-5.5 - -0.2)E 0 (0/ 2)	55	1.0E 1 (1.4 - 19.2)E 0 (0/ 2)	1.0E 1 (1.4 - 19.2)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.

Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (4) (0)		-1.6E 0 (-5.0 - 1.9)E 0 (0/ 2)	55	2.5E 0 (1.9 - 3.1)E 0 (0/ 2)	2.5E 0 (1.9 - 3.1)E 0 (0/ 2)
Ru-106 (4) (0)		-9.2E 0 (-1.8 - 0.0)E 1 (0/ 2)	05	-9.2E 0 (-1.8 - 0.0)E 1 (0/ 2)	-3.9E 1 (-7.9 - 0.0)E 1 (0/ 2)
Ag-108m (4) (0)		-1.9E -1 (-1.6 - 1.2)E 0 (0/ 2)	05	-1.9E -1 (-1.6 - 1.2)E 0 (0/ 2)	-6.7E 0 (-8.3 - -5.2)E 0 (0/ 2)
Ag-110m (4) (0)		3.8E -1 (1.1 - 6.5)E -1 (0/ 2)	55	2.6E 0 (-4.5 - 9.7)E 0 (0/ 2)	2.6E 0 (-4.5 - 9.7)E 0 (0/ 2)
Sb-124 (4) (0)		3.5E 0 (-2.0 - 9.0)E 0 (0/ 2)	05	3.5E 0 (-2.0 - 9.0)E 0 (0/ 2)	3.3E 0 (-5.0 - 11.6)E 0 (0/ 2)
Sb-125 (4) (0)		-2.7E 0 (-7.3 - 1.9)E 0 (0/ 2)	55	-2.6E 0 (-2.8 - -2.4)E 0 (0/ 2)	-2.6E 0 (-2.8 - -2.4)E 0 (0/ 2)
I-131 (4) (0)	60	-1.8E 0 (-3.7 - 0.1)E 0 (0/ 2)	55	1.1E 1 (6.7 - 15.2)E 0 (0/ 2)	1.1E 1 (6.7 - 15.2)E 0 (0/ 2)
Cs-134 (4) (0)	60	-1.5E 0 (-3.8 - 0.8)E 0 (0/ 2)	55	-3.6E -1 (-2.7 - 2.0)E 0 (0/ 2)	-3.6E -1 (-2.7 - 2.0)E 0 (0/ 2)
Cs-137 (4) (0)	80	8.4E 0 (7.2 - 9.6)E 0 (0/ 2)	05	8.4E 0 (7.2 - 9.6)E 0 (0/ 2)	1.7E 0 (-1.7 - 5.2)E 0 (0/ 2)
Ba-140 (4) (0)		5.5E 0 (1.2 - 9.9)E 0 (0/ 2)	55	9.1E 0 (-2.3 - 4.1)E 1 (0/ 2)	9.1E 0 (-2.3 - 4.1)E 1 (0/ 2)
La-140 (4) (0)		-7.5E 0 (-9.2 - -5.8)E 0 (0/ 2)	55	-8.0E -1 (-1.1 - 0.9)E 1 (0/ 2)	-8.0E -1 (-1.1 - 0.9)E 1 (0/ 2)
Ce-141 (4) (0)		-1.2E 1 (-1.4 - -1.0)E 1 (0/ 2)	55	3.4E 0 (1.8 - 5.0)E 0 (0/ 2)	3.4E 0 (1.8 - 5.0)E 0 (0/ 2)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144	(4)	-5.0E 0	05	-5.0E 0	-1.4E 1
	(0)	(-2.2 - 1.2)E 1 (0/ 2)		(-2.2 - 1.2)E 1 (0/ 2)	(-3.4 - 0.6)E 1 (0/ 2)
Ac-228	(4)	5.3E 1	05	5.3E 1	4.3E 1
	(0)	(4.2 - 6.4)E 1 (0/ 2)		(4.2 - 6.4)E 1 (0/ 2)	(1.4 - 7.2)E 1 (0/ 2)
Th-228	(4)	1.3E 1	55	1.5E 1	1.5E 1
	(0)	(7.6 - 17.6)E 0 (0/ 2)		(-1.1 - 4.0)E 1 (1/ 2)	(-1.1 - 4.0)E 1 (1/ 2)
Th-230	(4)	-6.1E 0	55	-2.1E 0	-2.1E 0
	(0)	(-1.6 - 0.4)E 1 (0/ 2)		(-1.4 - 0.9)E 1 (0/ 2)	(-1.4 - 0.9)E 1 (0/ 2)

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

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

3.11 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 2024 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, twelve 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, August, and September). These included strawberries in June (Lab numbers 673595004, 5 and 6), tomatoes in July (Lab numbers 678795004, 5 and 6), green beans in August (Lab numbers 682558004, 5 and 6) and tomatoes in September (Lab numbers 686843004, 5 and 6).

A gamma analysis was performed on each sample. Naturally-occurring K-40 was detected in 10 samples out of 12 and naturally-occurring Be-7 was detected in two samples. Similar to past years, no plant-related radionuclides were detected in any samples. Therefore, no increasing or decreasing trends are identified. Subsequently, there is no dose to the public or impact on the environment through this pathway due to plant operations. This is consistent with the pre-operational program and with previous years of plant operations.

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

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

Table 3.11-1
Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7 (12) (0)		2.5E 1 (-1.9 - 8.8)E 1 (2/ 8)	02	3.0E 1 (0.0 - 8.8)E 1 (1/ 4)	9.2E 0 (-1.0 - 2.8)E 1 (0/ 4)
K-40 (12) (0)		1.4E 3 (0.0 - 2.3)E 3 (6/ 8)	06	2.0E 3 (1.4 - 2.5)E 3 (4/ 4)	2.0E 3 (1.4 - 2.5)E 3 (4/ 4)
Cr-51 (12) (0)		-1.3E 1 (-2.2 - 0.0)E 1 (0/ 8)	06	1.1E 1 (1.8 - 21.9)E 0 (0/ 4)	1.1E 1 (1.8 - 21.9)E 0 (0/ 4)
Mn-54 (12) (0)		2.0E -1 (-3.2 - 5.5)E 0 (0/ 8)	06	8.5E -1 (-2.1 - 5.1)E 0 (0/ 4)	8.5E -1 (-2.1 - 5.1)E 0 (0/ 4)
Co-57 (12) (0)		5.9E -1 (-9.3 - 32.4)E -1 (0/ 8)	03	1.5E 0 (-3.5 - 32.4)E -1 (0/ 4)	2.7E -1 (-6.7 - 10.3)E -1 (0/ 4)
Co-58 (12) (0)		-1.2E 0 (-3.6 - 0.8)E 0 (0/ 8)	06	-4.9E -1 (-3.9 - 2.7)E 0 (0/ 4)	-4.9E -1 (-3.9 - 2.7)E 0 (0/ 4)
Fe-59 (12) (0)		-3.2E 0 (-1.6 - 0.4)E 1 (0/ 8)	06	6.8E 0 (-1.2 - 13.4)E 0 (0/ 4)	6.8E 0 (-1.2 - 13.4)E 0 (0/ 4)
Co-60 (12) (0)		7.3E -1 (-2.7 - 3.7)E 0 (0/ 8)	03	1.1E 0 (-3.5 - 2090.0)E -3 (0/ 4)	1.3E -1 (-3.2 - 3.2)E 0 (0/ 4)
Zn-65 (12) (0)		-2.4E -1 (-5.4 - 6.9)E 0 (0/ 8)	06	1.4E 0 (-9.3 - 11.4)E 0 (0/ 4)	1.4E 0 (-9.3 - 11.4)E 0 (0/ 4)
Se-75 (12) (0)		1.2E 0 (-4.0 - 7.3)E 0 (0/ 8)	03	2.5E 0 (-2.6 - 7.3)E 0 (0/ 4)	5.8E -1 (-1.3 - 2.4)E 0 (0/ 4)
Nb-95 (12) (0)		1.0E 0 (-4.1 - 5.2)E 0 (0/ 8)	02	1.2E 0 (-4.3 - 227.0)E -2 (0/ 4)	-4.3E -1 (-3.2 - 2.2)E 0 (0/ 4)
Zr-95 (12) (0)		-7.4E -1 (-6.8 - 3.6)E 0 (0/ 8)	06	2.8E 0 (-4.5 - 11.0)E 0 (0/ 4)	2.8E 0 (-4.5 - 11.0)E 0 (0/ 4)

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

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

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (12) (0)		-1.5E 0 (-3.8 - 1.9)E 0 (0/ 8)	06	1.0E -1 (-2.0 - 1.8)E 0 (0/ 4)	1.0E -1 (-2.0 - 1.8)E 0 (0/ 4)
Ru-106 (12) (0)		-9.3E 0 (-2.6 - 0.3)E 1 (0/ 8)	06	3.8E 0 (-2.8 - 2.8)E 1 (0/ 4)	3.8E 0 (-2.8 - 2.8)E 1 (0/ 4)
Ag-108m (12) (0)		-7.4E -2 (-2.1 - 2.1)E 0 (0/ 8)	03	-2.0E -2 (-9.6 - 6.9)E -1 (0/ 4)	-9.6E -1 (-3.0 - 0.9)E 0 (0/ 4)
Ag-110m (12) (0)		-8.2E -2 (-5.0 - 2.8)E 0 (0/ 8)	02	1.4E 0 (-1.4 - 2.8)E 0 (0/ 4)	-1.1E 0 (-5.3 - 1.7)E 0 (0/ 4)
Sb-124 (12) (0)		-1.2E 0 (-6.9 - 2.5)E 0 (0/ 8)	06	2.5E 0 (-2.8 - 54.3)E -1 (0/ 4)	2.5E 0 (-2.8 - 54.3)E -1 (0/ 4)
Sb-125 (12) (0)		-2.5E 0 (-8.6 - 1.2)E 0 (0/ 8)	06	6.2E 0 (-3.9 - 151.0)E -1 (0/ 4)	6.2E 0 (-3.9 - 151.0)E -1 (0/ 4)
I-131 (12) (0)	60	-2.3E -1 (-4.8 - 8.3)E 0 (0/ 8)	06	6.6E 0 (3.1 - 13.1)E 0 (0/ 4)	6.6E 0 (3.1 - 13.1)E 0 (0/ 4)
Cs-134 (12) (0)	60	-8.5E -1 (-1.0 - 0.5)E 1 (0/ 8)	06	1.1E 0 (-1.6 - 2.9)E 0 (0/ 4)	1.1E 0 (-1.6 - 2.9)E 0 (0/ 4)
Cs-137 (12) (0)	80	1.7E -1 (-4.6 - 4.7)E 0 (0/ 8)	03	5.4E -1 (-2.3 - 4.7)E 0 (0/ 4)	3.2E -1 (-3.9 - 2.6)E 0 (0/ 4)
Ba-140 (12) (0)		1.4E 0 (-9.9 - 17.4)E 0 (0/ 8)	02	4.1E 0 (-9.9 - 17.4)E 0 (0/ 4)	-5.6E -1 (-1.0 - 0.7)E 1 (0/ 4)
La-140 (12) (0)		6.3E -1 (-5.6 - 5.0)E 0 (0/ 8)	02	2.7E 0 (-3.7 - 49.9)E -1 (0/ 4)	-1.9E 0 (-7.6 - 8.4)E 0 (0/ 4)
Ce-141 (12) (0)		-5.3E 0 (-2.0 - 0.1)E 1 (0/ 8)	06	1.0E 0 (-8.7 - 186.0)E -2 (0/ 4)	1.0E 0 (-8.7 - 186.0)E -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.

Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144 (12) (0)		2.7E 0 (-9.8 - 24.6)E 0 (0/ 8)	03	2.8E 0 (-9.8 - 24.6)E 0 (0/ 4)	-6.0E -2 (-1.6 - 2.2)E 1 (0/ 4)
Ac-228 (12) (0)		9.3E 0 (-5.8 - 33.9)E 0 (0/ 8)	02	1.1E 1 (-5.4 - 33.9)E 0 (0/ 4)	-5.1E -1 (-2.0 - 1.0)E 1 (0/ 4)
Th-228 (12) (0)		3.2E 0 (-6.3 - 13.3)E 0 (0/ 8)	03	5.8E 0 (1.4 - 13.3)E 0 (0/ 4)	1.7E 0 (-1.1 - 0.8)E 1 (0/ 4)
Th-230 (12) (0)		5.0E 0 (-4.8 - 14.2)E 0 (0/ 8)	02	7.0E 0 (-4.8 - 14.2)E 0 (0/ 4)	2.1E -1 (-3.3 - 4.2)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.

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 2024 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 2024, 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 Be-7 and K-40 were detected in nearly all samples for both indicator and control stations (17/18 and 17/18, respectively). Naturally-occurring Ac-228 and Th-230 were detected in one sample. Cesium-137 was detected in one sample at a concentration of 59.4 pCi/kg. Cs-137 has been detected in broad leafy vegetation in the past and evaluated as to the source. The conclusion of the assessment was that world-wide fallout from events unrelated 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 2024, 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 Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Be-7	(18) (0)	9.1E 2 (0.0 - 1.8)E 3 (11/ 12)	10	1.0E 3 (2.7 - 19.9)E 2 (6/ 6)	1.0E 3 (2.7 - 19.9)E 2 (6/ 6)
K-40	(18) (0)	3.7E 3 (0.0 - 4.9)E 3 (11/ 12)	09	4.4E 3 (3.5 - 4.9)E 3 (6/ 6)	4.0E 3 (3.4 - 4.6)E 3 (6/ 6)
Cr-51	(18) (0)	-9.8E 0 (-1.1 - 1.4)E 2 (0/ 12)	10	3.5E 1 (-3.3 - 15.9)E 1 (0/ 6)	3.5E 1 (-3.3 - 15.9)E 1 (0/ 6)
Mn-54	(18) (0)	1.5E 0 (-8.0 - 26.9)E 0 (0/ 12)	10	7.4E 0 (1.6 - 24.2)E 0 (0/ 6)	7.4E 0 (1.6 - 24.2)E 0 (0/ 6)
Co-57	(18) (0)	1.4E 0 (-3.3 - 8.0)E 0 (0/ 12)	09	1.7E 0 (-2.5 - 5.6)E 0 (0/ 6)	3.0E -2 (-5.6 - 2.8)E 0 (0/ 6)
Co-58	(18) (0)	2.3E 0 (-8.2 - 12.4)E 0 (0/ 12)	09	2.6E 0 (-2.8 - 9.5)E 0 (0/ 6)	-3.7E 0 (-1.9 - 0.2)E 1 (0/ 6)
Fe-59	(18) (0)	-2.8E 0 (-2.1 - 2.2)E 1 (0/ 12)	10	1.1E 1 (-6.6 - 36.2)E 0 (0/ 6)	1.1E 1 (-6.6 - 36.2)E 0 (0/ 6)
Co-60	(18) (0)	-3.5E -1 (-1.7 - 1.9)E 1 (0/ 12)	08	2.1E 0 (-1.7 - 1.9)E 1 (0/ 6)	-1.4E 0 (-1.3 - 0.7)E 1 (0/ 6)
Zn-65	(18) (0)	-3.4E 0 (-4.6 - 2.5)E 1 (0/ 12)	09	6.0E 0 (-2.7 - 2.5)E 1 (0/ 6)	-4.4E 0 (-2.0 - 0.8)E 1 (0/ 6)
Se-75	(18) (0)	-4.5E 0 (-2.6 - 0.9)E 1 (0/ 12)	10	3.7E 0 (-5.7 - 11.6)E 0 (0/ 6)	3.7E 0 (-5.7 - 11.6)E 0 (0/ 6)
Nb-95	(18) (0)	2.9E -1 (-8.7 - 13.0)E 0 (0/ 12)	10	2.9E 0 (-3.2 - 8.3)E 0 (0/ 6)	2.9E 0 (-3.2 - 8.3)E 0 (0/ 6)
Zr-95	(18) (0)	4.2E 0 (-1.2 - 2.2)E 1 (0/ 12)	09	5.3E 0 (-1.2 - 2.2)E 1 (0/ 6)	-4.2E 0 (-1.2 - 0.2)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.

Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ru-103 (18) (0)		1.5E 0 (-1.6 - 1.5)E 1 (0/ 12)	08	6.3E 0 (2.8 - 14.7)E 0 (0/ 6)	-3.3E 0 (-9.1 - 6.5)E 0 (0/ 6)
Ru-106 (18) (0)		-1.8E 1 (-7.7 - 8.2)E 1 (0/ 12)	10	1.4E 1 (-7.2 - 10.4)E 1 (0/ 6)	1.4E 1 (-7.2 - 10.4)E 1 (0/ 6)
Ag-108m (18) (0)		2.9E 0 (-2.9 - 10.4)E 0 (0/ 12)	09	3.8E 0 (1.6 - 104.0)E -1 (0/ 6)	7.3E -1 (-3.2 - 6.3)E 0 (0/ 6)
Ag-110m (18) (0)		-9.4E -1 (-1.9 - 1.3)E 1 (0/ 12)	10	1.4E -1 (-8.8 - 9.0)E 0 (0/ 6)	1.4E -1 (-8.8 - 9.0)E 0 (0/ 6)
Sb-124 (18) (0)		2.2E 0 (-6.7 - 5.6)E 1 (0/ 12)	10	6.2E 0 (-9.0 - 16.1)E 0 (0/ 6)	6.2E 0 (-9.0 - 16.1)E 0 (0/ 6)
Sb-125 (18) (0)		-3.5E -2 (-2.4 - 2.1)E 1 (0/ 12)	10	5.2E 0 (-4.5 - 25.3)E 0 (0/ 6)	5.2E 0 (-4.5 - 25.3)E 0 (0/ 6)
I-131 (18) (0)	60	-9.4E 0 (-1.5 - 0.3)E 2 (0/ 12)	09	7.7E 0 (-1.3 - 2.7)E 1 (0/ 6)	-3.1E 0 (-6.6 - 2.3)E 1 (0/ 6)
Cs-134 (18) (0)	60	2.3E 0 (-5.5 - 9.2)E 0 (0/ 12)	10	8.3E 0 (-4.8 - 19.1)E 0 (0/ 6)	8.3E 0 (-4.8 - 19.1)E 0 (0/ 6)
Cs-137 (18) (0)	80	7.6E 0 (-8.9 - 59.4)E 0 (1/ 12)	08	1.5E 1 (1.1 - 59.4)E 0 (1/ 6)	5.5E 0 (-1.1 - 1.8)E 1 (0/ 6)
Ba-140 (18) (0)		-1.5E 1 (-9.4 - 6.4)E 1 (0/ 12)	08	-7.1E -1 (-4.3 - 6.4)E 1 (0/ 6)	-2.7E 1 (-6.0 - 2.1)E 1 (0/ 6)
La-140 (18) (0)		-4.3E 0 (-2.0 - 1.7)E 1 (0/ 12)	10	4.6E 0 (-4.9 - 14.4)E 0 (0/ 6)	4.6E 0 (-4.9 - 14.4)E 0 (0/ 6)
Ce-141 (18) (0)		-1.3E 1 (-3.6 - 0.2)E 1 (0/ 12)	10	-3.5E 0 (-1.3 - 0.7)E 1 (0/ 6)	-3.5E 0 (-1.3 - 0.7)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.

**Radiological Environmental Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2024)**

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range (No. Detected**)	Station	Mean Range (No. Detected**)	Mean Range (No. Detected**)
Ce-144 (18) (0)		1.9E 0 (-4.3 - 5.8)E 1 (0/ 12)	08	3.4E 0 (-2.6 - 4.8)E 1 (0/ 6)	1.6E 0 (-3.1 - 2.0)E 1 (0/ 6)
Ac-228 (18) (0)		7.5E 0 (-6.0 - 8.1)E 1 (0/ 12)	10	3.2E 1 (0.0 - 9.9)E 1 (1/ 6)	3.2E 1 (0.0 - 9.9)E 1 (1/ 6)
Th-228 (18) (0)		7.4E 0 (-2.4 - 3.5)E 1 (0/ 12)	09	1.6E 1 (-2.4 - 3.5)E 1 (0/ 6)	7.9E 0 (0.0 - 2.6)E 1 (0/ 6)
Th-230 (18) (0)		1.8E 1 (-6.0 - 5.4)E 1 (1/ 12)	08	1.8E 1 (-6.0 - 5.4)E 1 (1/ 6)	-1.4E 0 (-2.7 - 2.2)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 $\text{CaSO}_4:\text{Tm}$ 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 2024 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 2024 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 occasionally 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 during 2011 through 2016 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 seven 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. Three other locations (TL-01, TL-69 and TL-18) 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, 13.7 mR/quarter, and 16.3 mR/quarter respectively, in 2013 (for TL-01 and TL-69) and 2019 (for TL-18).

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 2024 annual mean of all indicator locations was 16.2 mR/91-day quarter while the mean of all control locations was 17.2 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. As a result, no direct radiation dose beyond the site boundary was attributed to station operation during 2024.

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 2024 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:

Quarterly: If $M_Q > (B_Q + MDD_Q)$, 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. No TLD location exceeded the quarterly or annual investigation level in 2024. Therefore, no evaluation of dose to a member of the public from direct or scattered radiation was performed.

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)

2024

Sta. No.	Description	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		Qtr Ave.
		Exp.	S.D.	Exp.	S.D.	Exp.	S.D.	Exp.	S.D.	Exp.
TL-01	Brimmer's Lane	20.9	± 0.9	17.9	± 0.9	18.2	± 0.8	19.2	± 1.1	19.1
TL-02	Landing Road	13.5	± 0.6	14.0	± 0.7	13.9	± 0.8	14.9	± 0.7	14.1
TL-03	Glade Path	13.6	± 0.6	14.0	± 0.8	13.9	± 0.6	14.7	± 0.7	14.1
TL-04	Island Path	15.0	± 0.7	15.5	± 0.7	15.5	± 0.7	16.4	± 0.7	15.6
TL-05	Harbor Road	14.7	± 0.7	14.3	± 0.9	13.9	± 0.6	15.4	± 0.8	14.6
TL-06	Barge Landing	14.0	± 0.7	14.1	± 0.7	13.6	± 0.7	15.2	± 0.7	14.2
TL-07	Cross Road	12.5	± 0.6	12.6	± 0.9	12.1	± 0.6	14.2	± 0.9	12.9
TL-08	Farm Lane	14.3	± 0.7	15.0	± 0.8	15.3	± 0.7	16.6	± 1.2	15.3
TL-09	Farm Lane	16.3	± 0.6	16.7	± 0.8	16.4	± 0.7	17.3	± 0.9	16.7
TL-10	Site Boundary	14.6	± 0.7	15.4	± 0.8	15.7	± 1.0	17.0	± 1.0	15.7
TL-11	Site Boundary	17.8	± 0.9	18.0	± 0.7	18.2	± 0.8	19.2	± 1.0	18.3
TL-12	Site Boundary	18.0	± 0.7	18.6	± 1.1	19.1	± 1.0	20.3	± 1.1	19.0
TL-13	Inside Site Boundary	17.7	± 0.7	18.8	± 0.8	18.2	± 0.8	20.5	± 0.7	18.8
TL-14	Trailer Park	15.3	± 0.6	15.6	± 1.1	15.5	± 0.8	17.0	± 0.8	15.9
TL-15	Brimmer's Lane	17.8	± 0.7	18.2	± 0.8	18.9	± 0.7	20.1	± 0.9	18.8
TL-16	Brimmer's Lane	16.2	± 0.6	16.6	± 0.6	16.6	± 0.9	17.8	± 0.7	16.8
TL-17	South Road	14.1	± 0.6	15.4	± 0.8	14.8	± 0.7	16.0	± 0.9	15.1
TL-18	Mill Road	17.4	± 0.7	18.0	± 1.1	18.5	± 0.8	19.6	± 0.8	18.4
TL-19	Appledore Avenue	14.9	± 0.6	14.5	± 0.7	15.0	± 0.7	16.1	± 0.9	15.1
TL-20	Ashworth Avenue	16.7	± 0.7	(1)		15.8	± 0.9	17.4	± 0.8	16.6
TL-21	Route 1A	17.4	± 0.7	17.6	± 0.9	17.2	± 0.7	19.0	± 0.7	17.8
TL-22	Cable Avenue	14.8	± 0.7	15.3	± 1.1	14.7	± 0.7	16.2	± 0.7	15.3
TL-23	Ferry Road	14.4	± 0.6	15.2	± 0.9	15.3	± 0.6	16.4	± 0.8	15.3
TL-24	Ferry Lots Lane	16.2	± 0.6	17.4	± 0.8	17.6	± 0.8	18.7	± 0.9	17.5
TL-25	Elm Street	16.3	± 0.8	18.0	± 0.9	17.1	± 0.8	17.5	± 0.8	17.2
TL-26	Route 107A	13.9	± 0.7	15.7	± 0.8	15.2	± 0.7	16.3	± 0.8	15.3
TL-27	Highland Street	16.9	± 0.8	17.9	± 0.8	18.1	± 0.7	19.5	± 0.8	18.1
TL-28	Route 150	15.8	± 0.7	17.5	± 0.7	17.3	± 0.8	18.2	± 0.9	17.2
TL-29	Frying Pan Lane	14.8	± 0.7	16.1	± 0.7	15.7	± 0.7	16.7	± 0.7	15.8
TL-30	Route 27	15.6	± 0.8	16.4	± 0.9	17.0	± 0.7	18.4	± 0.7	16.9
TL-31	Alumni Drive	13.1	± 0.5	14.1	± 0.7	13.6	± 0.7	15.3	± 1.0	14.0
TL-32	SB Elementary School	17.7	± 0.7	16.9	± 1.0	17.5	± 0.9	17.9	± 1.0	17.5
TL-33	Dock Area	10.9	± 0.6	10.6	± 0.7	11.0	± 0.7	11.3	± 0.7	11.0
TL-34	Bow Street	19.8	± 0.9	19.4	± 1.0	20.0	± 0.9	20.3	± 0.7	19.9
TL-35	Lincoln Ack. School	15.7	± 0.6	16.1	± 0.6	17.3	± 0.8	17.1	± 0.8	16.6
TL-36	Route 97(Control)	14.4	± 0.7	15.1	± 0.8	15.5	± 0.6	16.1	± 0.8	15.3
TL-37	Plaistow, NH (Control)	17.4	± 0.9	17.4	± 0.7	18.2	± 0.8	18.2	± 0.7	17.8
TL-38	Hampstead, NH (Control)	17.8	± 0.9	17.5	± 0.7	18.7	± 0.9	19.1	± 1.0	18.3

Table 3.13-1 (Continued)

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

2024

Sta. No.	Description	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			Qtr. Ave.
		<u>Exp.</u>	<u>S.D.</u>		<u>Exp.</u>	<u>S.D.</u>		<u>Exp.</u>	<u>S.D.</u>		<u>Exp.</u>	<u>S.D.</u>		<u>Exp.</u>
TL-39	Fremont, NH (Control)	20.5	± 0.9		20.5	± 1.0		21.2	± 0.9		21.5	± 1.1		20.9
TL-40	Newmarket, NH (Control)	16.6	± 0.8		16.5	± 1.0		17.3	± 0.8		17.5	± 1.2		17.0
TL-41	Portsmouth, NH (Control)	16.5	± 0.8		16.3	± 0.6		16.8	± 0.8		16.9	± 0.6		16.6
TL-42	Ipswich, MA (Control)	14.2	± 0.6		14.1	± 0.6		14.5	± 0.6		15.0	± 0.8		14.5
TL-44	SB Education Center	13.8	± 0.6		13.6	± 0.6		14.5	± 1.0		15.4	± 0.7		14.3
TL-45	Hampton Fire Station	16.1	± 0.6		15.4	± 0.9		16.9	± 0.9		17.2	± 1.0		16.4
TL-46	SB Police Station	16.5	± 0.8		16.2	± 0.7		16.3	± 0.9		17.3	± 0.7		16.6
TL-47	Route 84	15.7	± 0.7		16.2	± 0.7		16.0	± 0.9		16.9	± 0.7		16.2
	Mean of Indicators	15.7			16.0			16.1			17.2			16.2
	Mean of Controls	16.8			16.8			17.5			17.8			17.2

(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	2nd Quarter	3rd Quarter	4th Quarter	Qtr Ave Over Yr
	<u>Exp.</u>	<u>Exp.</u>	<u>Exp.</u>	<u>Exp.</u>	<u>Exp.</u>
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	<u>14.0</u>	<u>14.4</u>	--	--	<u>14.2</u>
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

		Baseline, B_Q mrem	Quarterly Ave. 2024 Quarterly Monitoring Data, MQ (mrem/qtr)				Quarterly Facility Dose $F_Q = M_Q - (B_Q + MDD_Q)$				Annual Baseline, B_A mrem	2024 Annual TLD Data, M_A mrem	Annual Facility Dose $F_A = M_A - (B_A + MDD_A)$
			1	2	3	4	1	2	3	4			
TL-01	Brimmer's Lane	19.6	22.0	18.8	19.2	20.2	ND	ND	ND	ND	78.3	80.1	ND
TL-02	Landing Road	14.5	14.2	14.8	14.6	15.7	ND	ND	ND	ND	57.9	59.2	ND
TL-03	Glade Path	15.7	14.3	14.7	14.6	15.5	ND	ND	ND	ND	62.5	59.1	ND
TL-04	Island Path	16.7	15.7	16.3	16.3	17.3	ND	ND	ND	ND	67.0	65.6	ND
TL-05	Harbor Road	15.3	15.5	15.1	14.6	16.2	ND	ND	ND	ND	61.0	61.4	ND
TL-06	Barge Landing	15.4	14.7	14.8	14.2	15.9	ND	ND	ND	ND	61.6	59.7	ND
TL-07	Cross Road	13.2	13.2	13.2	12.7	14.9	ND	ND	ND	ND	52.5	54.1	ND
TL-08	Farm Lane	16.6	15.1	15.8	16.1	17.4	ND	ND	ND	ND	66.3	64.4	ND
TL-09	Farm Lane	17.2	17.1	17.5	17.2	18.2	ND	ND	ND	ND	68.7	70.1	ND
TL-10*	Site Boundary	17.1	15.3	16.2	16.5	17.8	ND	ND	ND	ND	68.2	65.8	ND
TL-11	Site Boundary	18.4	18.7	18.9	19.1	20.2	ND	ND	ND	ND	73.4	76.9	ND
TL-12	Site Boundary	19.1	18.9	19.5	20.1	21.3	ND	ND	ND	ND	76.3	79.8	ND
TL-13	Inside Site Boundary	20.2	18.6	19.8	19.1	21.6	ND	ND	ND	ND	80.9	79.1	ND
TL-14	Trailer Park	16.7	16.1	16.4	16.3	17.9	ND	ND	ND	ND	66.8	66.7	ND
TL-15	Brimmer's Lane	19.7	18.7	19.2	19.9	21.2	ND	ND	ND	ND	78.9	78.9	ND
TL-16	Brimmer's Lane	17.0	17.1	17.4	17.4	18.7	ND	ND	ND	ND	68.2	70.6	ND
TL-17	South Road	17.1	14.8	16.1	15.6	16.8	ND	ND	ND	ND	68.5	63.3	ND
TL-18	Mill Road	17.1	18.3	18.9	19.5	20.7	ND	ND	ND	ND	68.3	77.3	ND
TL-19	Appledore Avenue	16.3	15.7	15.2	15.8	16.9	ND	ND	ND	ND	65.3	63.6	ND
TL-20	Ashworth Avenue	18.4	17.6	(1)	16.6	18.3	ND	ND	ND	ND	73.8	69.9	ND
TL-21	Route 1A	17.4	18.3	18.5	18.1	20.0	ND	ND	ND	ND	69.6	74.9	ND
TL-22	Cable Avenue	17.2	15.6	16.1	15.4	17.0	ND	ND	ND	ND	68.7	64.1	ND
TL-23	Ferry Road	16.5	15.1	16.0	16.0	17.3	ND	ND	ND	ND	65.9	64.4	ND
TL-24	Ferry Lots Lane	16.8	17.0	18.3	18.5	19.6	ND	ND	ND	ND	67.2	73.5	ND
TL-25	Elm Street	16.4	17.2	18.9	18.0	18.4	ND	ND	ND	ND	65.5	72.4	ND
TL-26	Route 107A	16.2	14.6	16.5	16.0	17.2	ND	ND	ND	ND	64.9	64.3	ND
TL-27	Highland Street	16.9	17.8	18.9	19.1	20.5	ND	ND	ND	ND	67.6	76.2	ND

Table 3.13-3 (Continued)

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

TL-28	Route 150	17.0	16.6	18.4	18.1	19.2	ND	ND	ND	ND	68.2	72.3	ND
TL-29	Frying Pan Lane	16.2	15.5	16.9	16.5	17.6	ND	ND	ND	ND	64.8	66.6	ND
TL-30	Route 27	16.5	16.4	17.3	17.9	19.3	ND	ND	ND	ND	66.1	70.9	ND
TL-31	Alumni Drive	15.0	13.8	14.8	14.3	16.0	ND	ND	ND	ND	59.9	58.9	ND
TL-32	SB Elementary School	18.7	18.6	17.7	18.4	18.8	ND	ND	ND	ND	74.8	73.6	ND
TL-33	Dock Area	12.0	11.5	11.1	11.5	11.9	ND	ND	ND	ND	48.1	46.0	ND
TL-34	Bow Street	20.5	20.8	20.4	21.1	21.3	ND	ND	ND	ND	82.2	83.7	ND
TL-35	Lincoln Ack. School	19.1	16.6	17.0	18.1	18.0	ND	ND	ND	ND	76.3	69.7	ND
TL-36	Route 97(Control)	16.2	15.1	15.9	16.3	16.9	ND	ND	ND	ND	65.1	64.2	ND
TL-37	Plaistow, NH (Control)	18.9	18.3	18.3	19.1	19.1	ND	ND	ND	ND	75.7	74.8	ND
TL-38	Hampstead, NH (Control)	20.8	18.7	18.4	19.7	20.0	ND	ND	ND	ND	83.3	76.8	ND
TL-39	Fremont, NH (Control)	22.4	21.5	21.6	22.3	22.6	ND	ND	ND	ND	89.6	88.0	ND
TL-40	Newmarket, NH (Control)	17.6	17.5	17.4	18.2	18.4	ND	ND	ND	ND	70.3	71.4	ND
TL-41	Portsmouth, NH (Control)	17.8	17.4	17.1	17.7	17.8	ND	ND	ND	ND	71.1	69.9	ND
TL-42	Ipswich, MA (Control)	15.1	14.9	14.8	15.3	15.8	ND	ND	ND	ND	60.1	60.9	ND
TL-44	SB Education Center	15.5	14.5	14.3	15.3	16.2	ND	ND	ND	ND	62.0	60.2	ND
TL-45	Hampton Fire Station	17.7	16.9	16.2	17.8	18.1	ND	ND	ND	ND	71.1	69.0	ND
TL-46	SB Police Station	17.5	17.3	17.1	17.2	18.2	ND	ND	ND	ND	70.2	69.7	ND
TL-47	Route 84	16.4	16.5	17.1	16.8	17.7	ND	ND	ND	ND	65.6	68.1	ND

(1) TLD missing at time of collection.

MDD_Q = 4.8 = minimum differential exposure, quarterly, 3 times 90th percentile S_Q determined from analysis in mrem.

MDD_A = 9.4 = minimum differential exposure, annual, 3 times 90th percentile S_A determined from analysis in mrem.

B_Q = Quarterly baseline exposure (mrem).

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

L_Q = Quarterly Investigative Level exposure (mrem).

B_A = Quarterly baseline background average exposure (mrem).

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

L_A = Annual Investigative Level exposure (mrem).

ND = Facility contribution to exposure "Not Detected"

* During the 3rd quarter of 2016, a new monitoring location for TL-10 was initiated due to the planned removal of a rock pile along the SSW boundary and the pole on which TL-10 was located. The new location was still located on the site boundary in the SSW sector, but on a new pole that would not be impacted by the debris removal. Therefore, the quarterly and annual baseline values for TL-10 were updated in 2023 using data associated with this new location taken from 2017 – 2022, resulting in updated quarterly and annual baseline values of 17.1 mrem and 68.2 mrem, respectively.

FIGURE 3.6

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

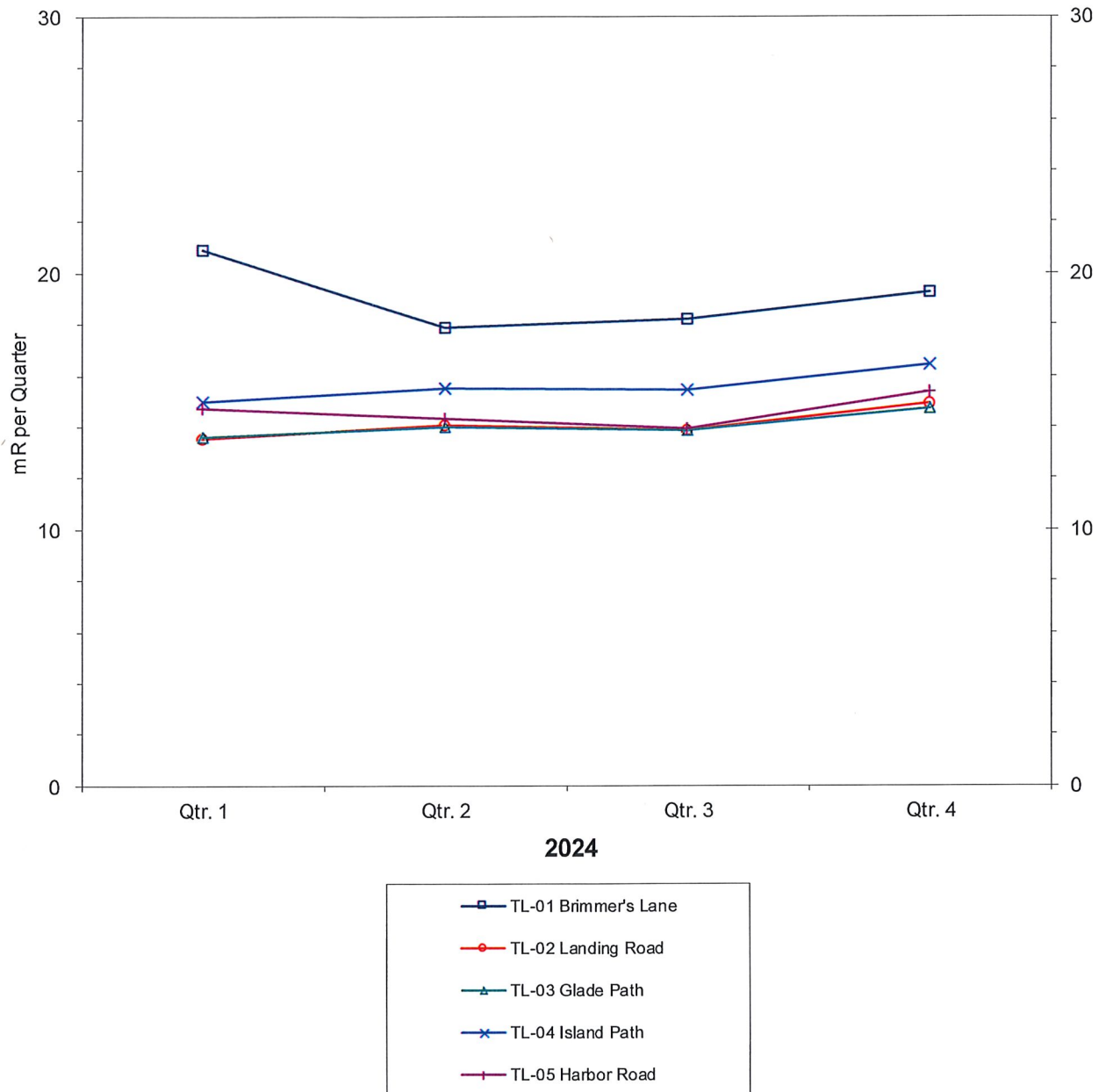


FIGURE 3.6.1
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

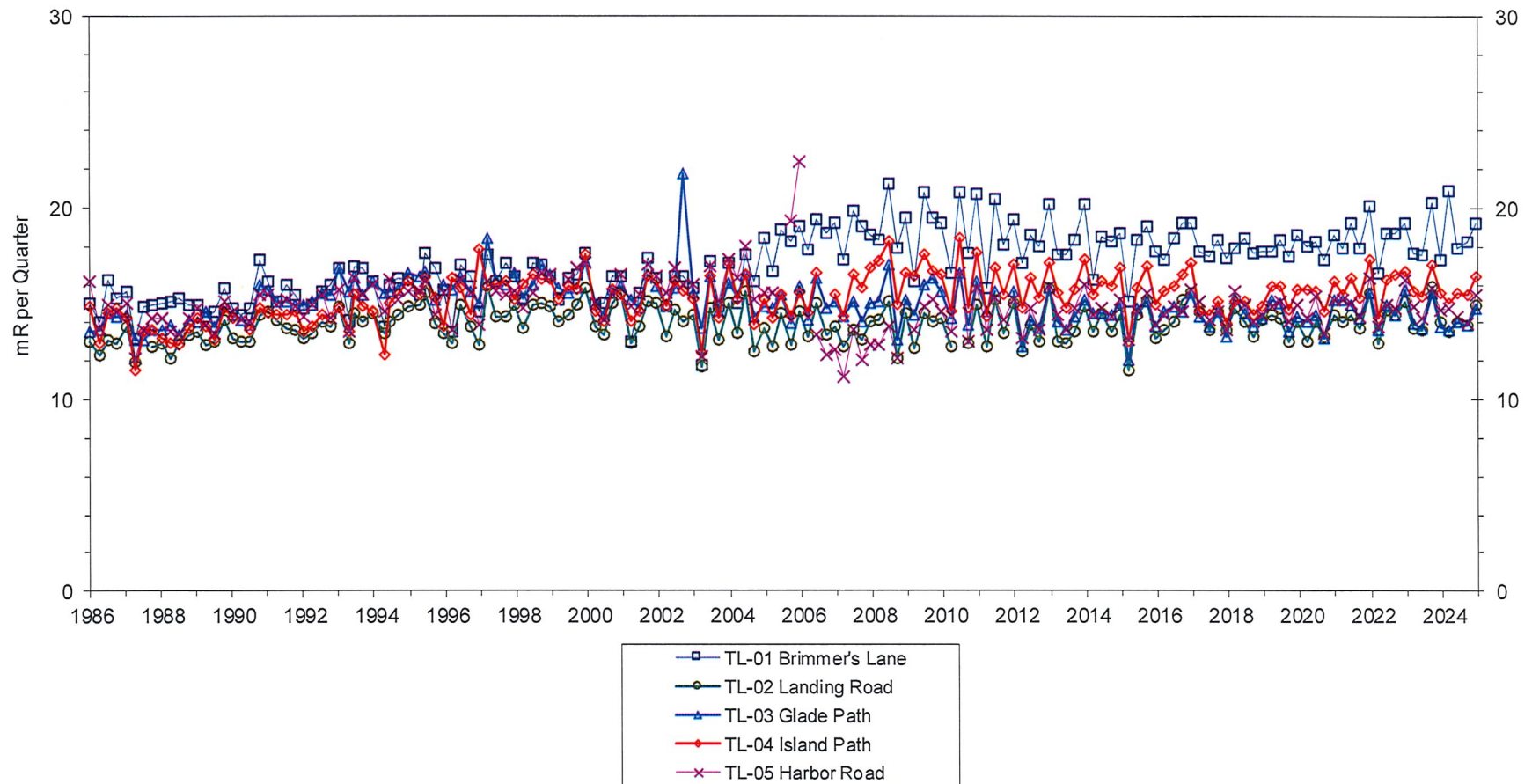


FIGURE 3.7
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

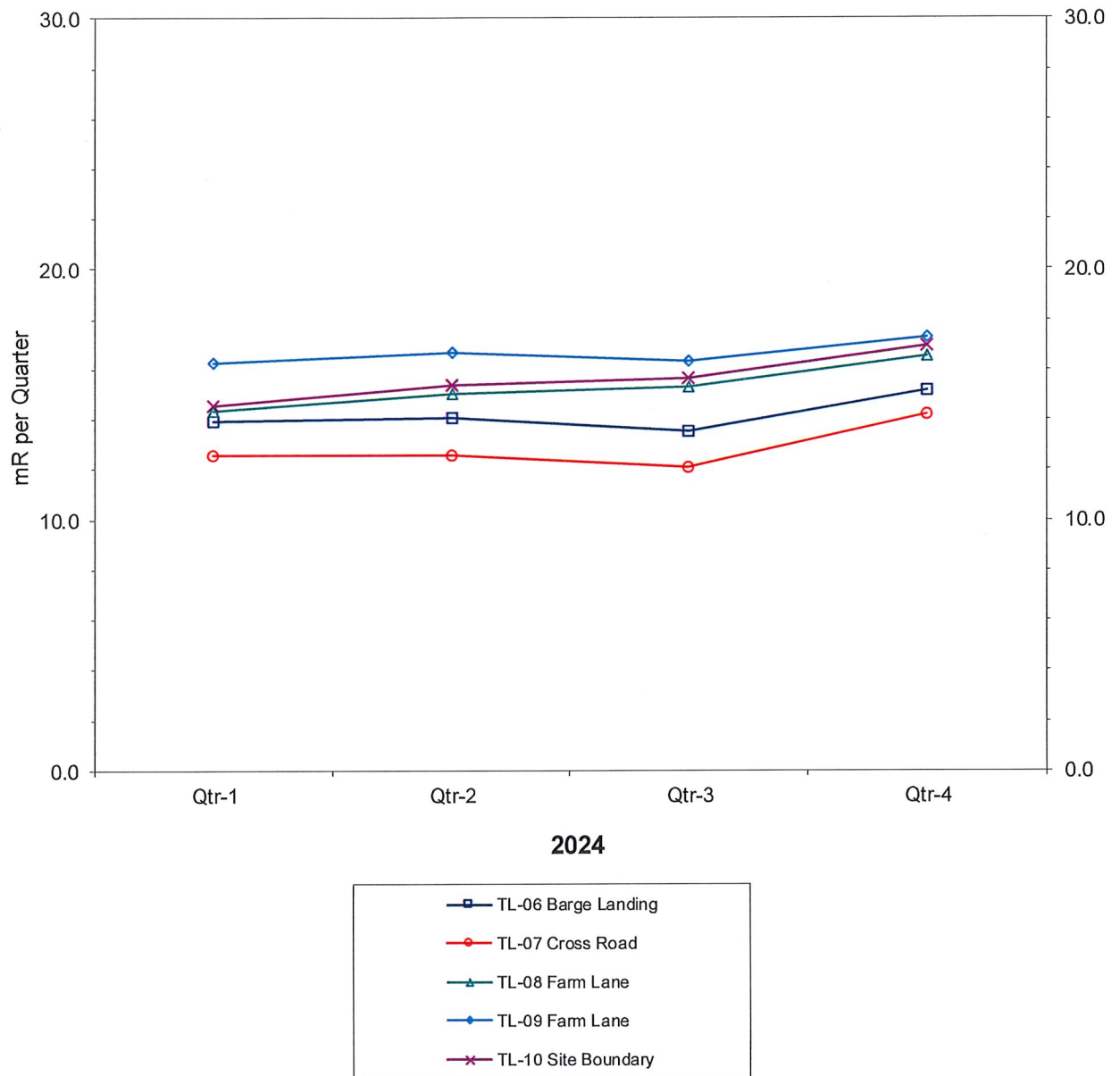


FIGURE 3.7.1
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

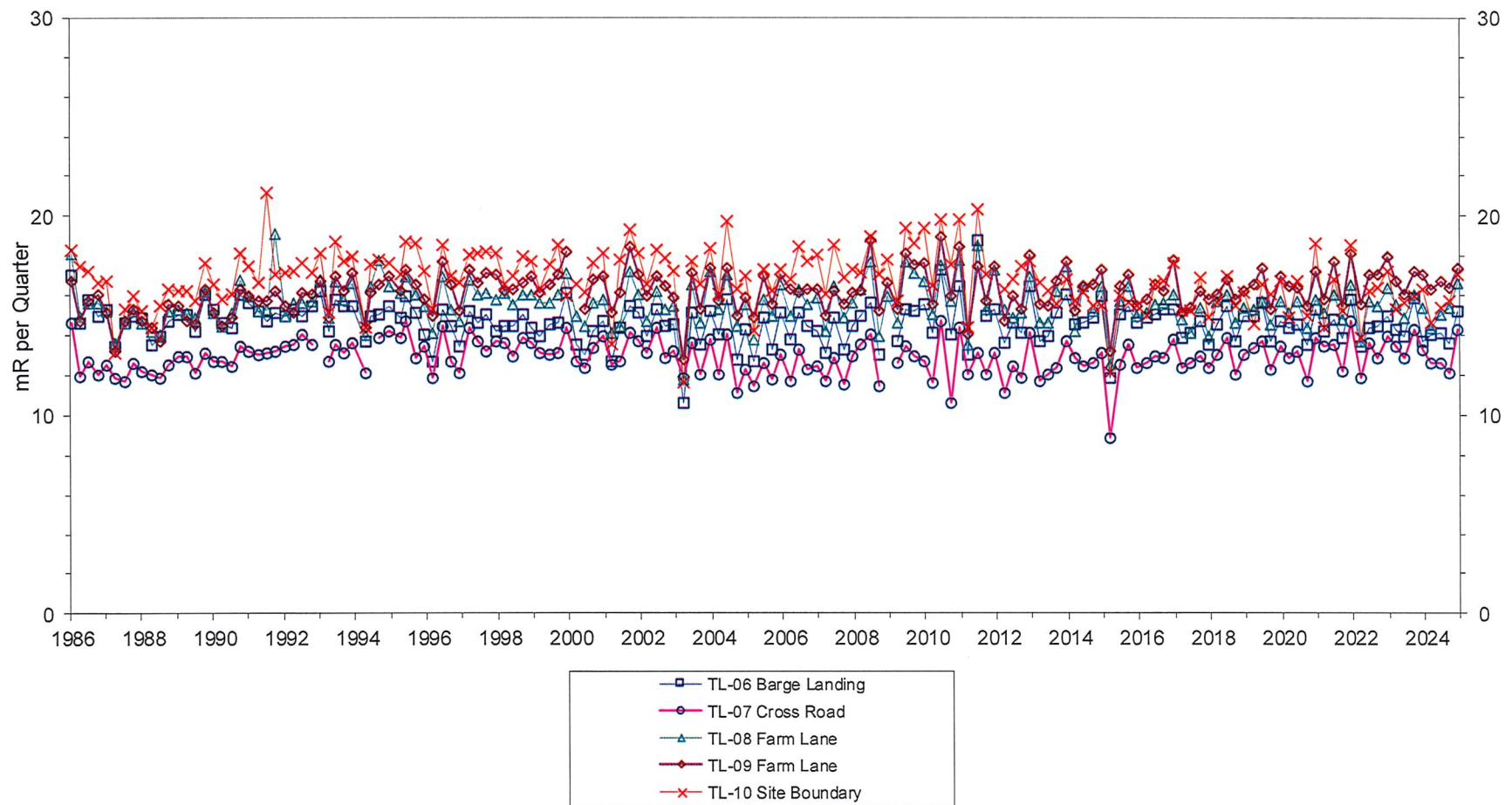


FIGURE 3.8
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

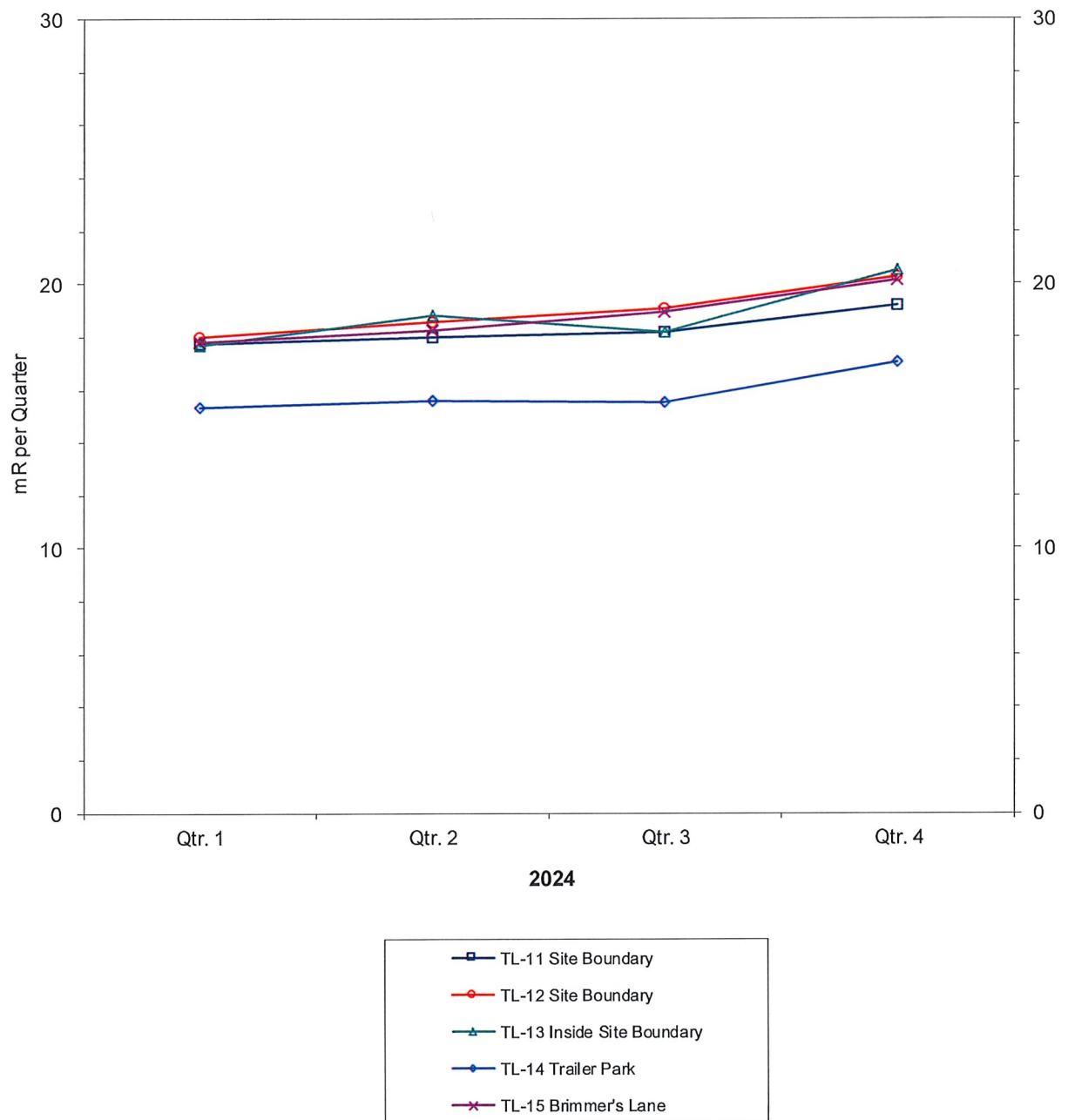


FIGURE 3.8.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

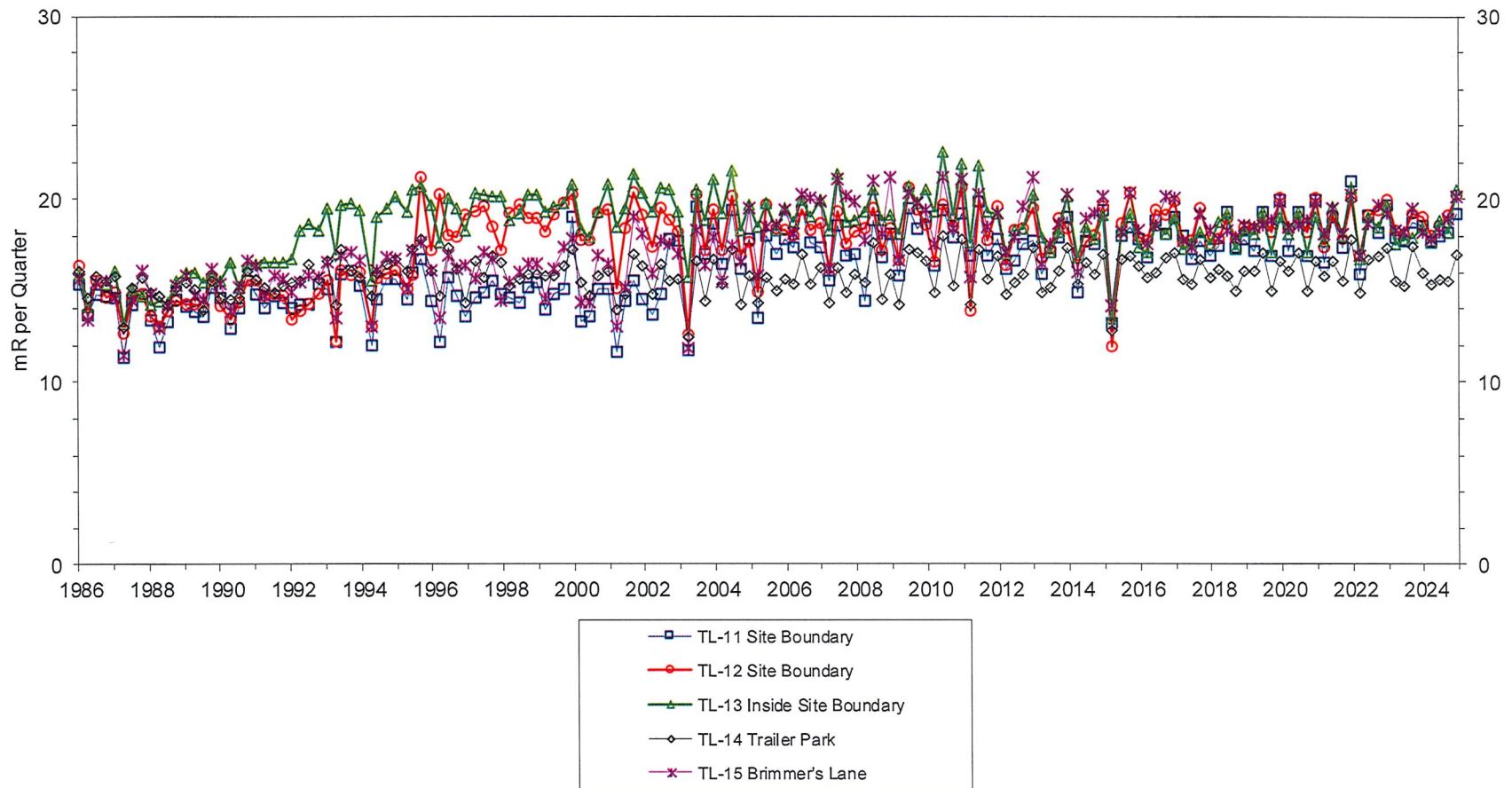


FIGURE 3.9

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

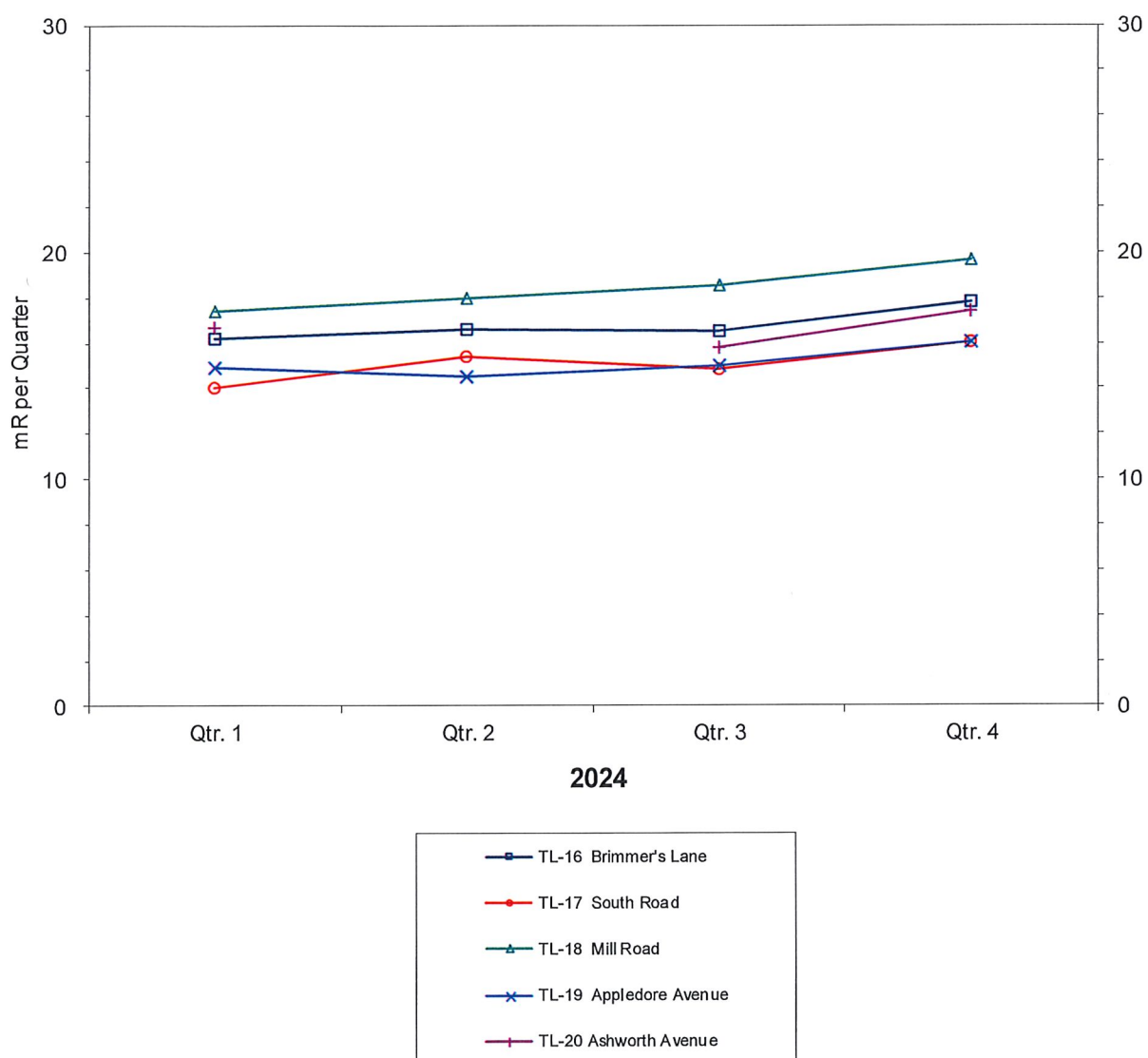


FIGURE 3.9.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

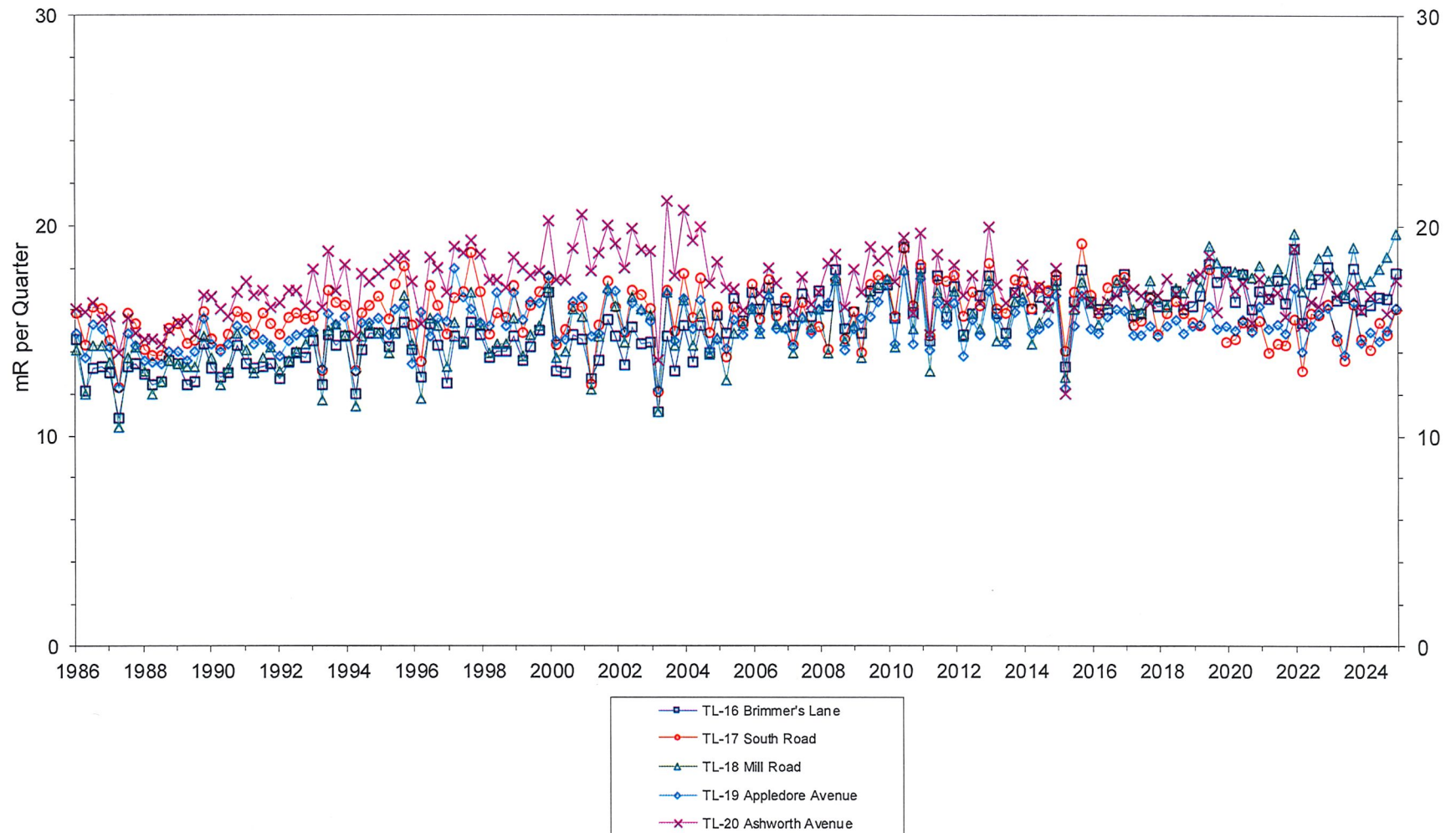


FIGURE 3.10
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

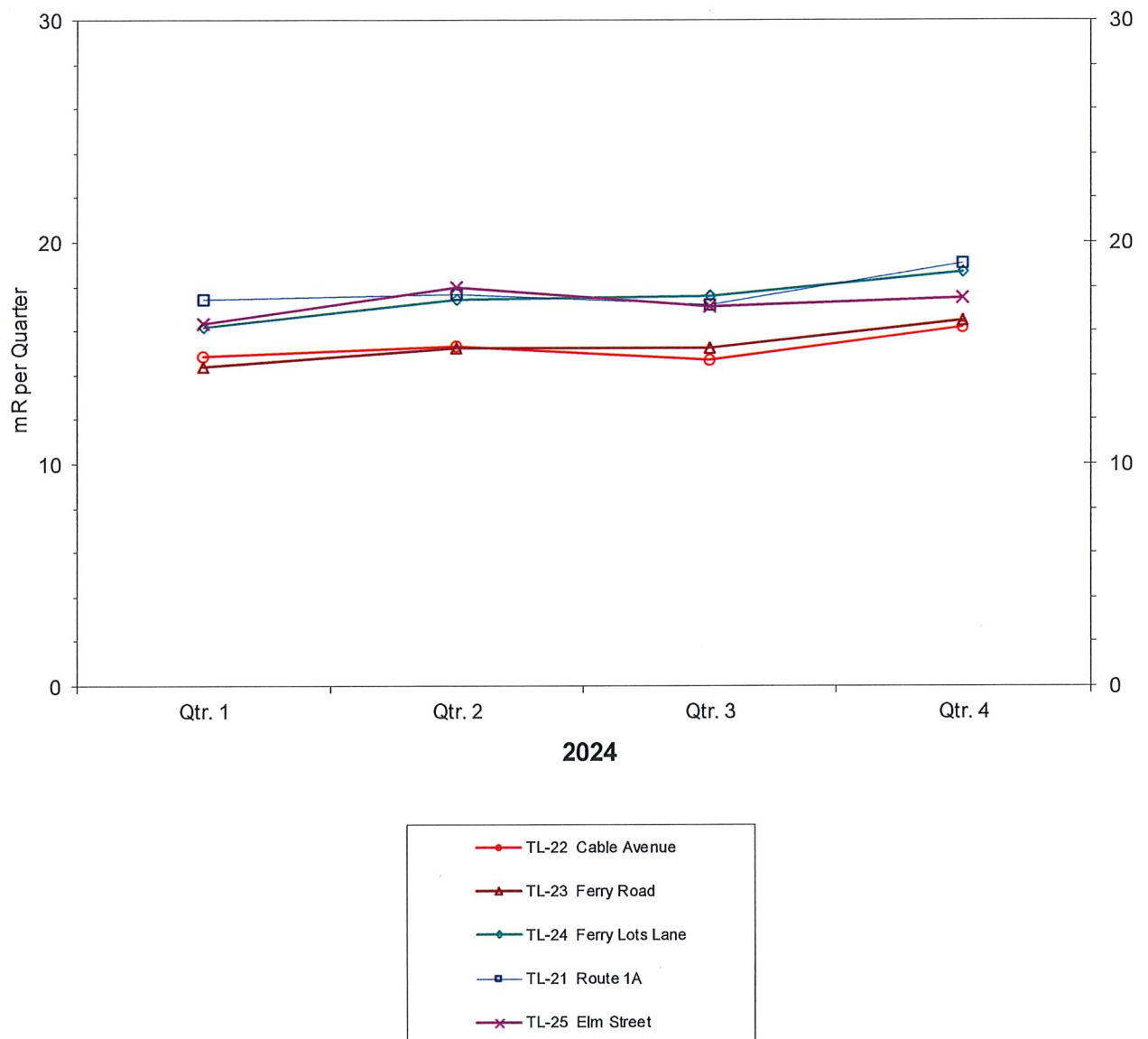


FIGURE 3.10.1
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

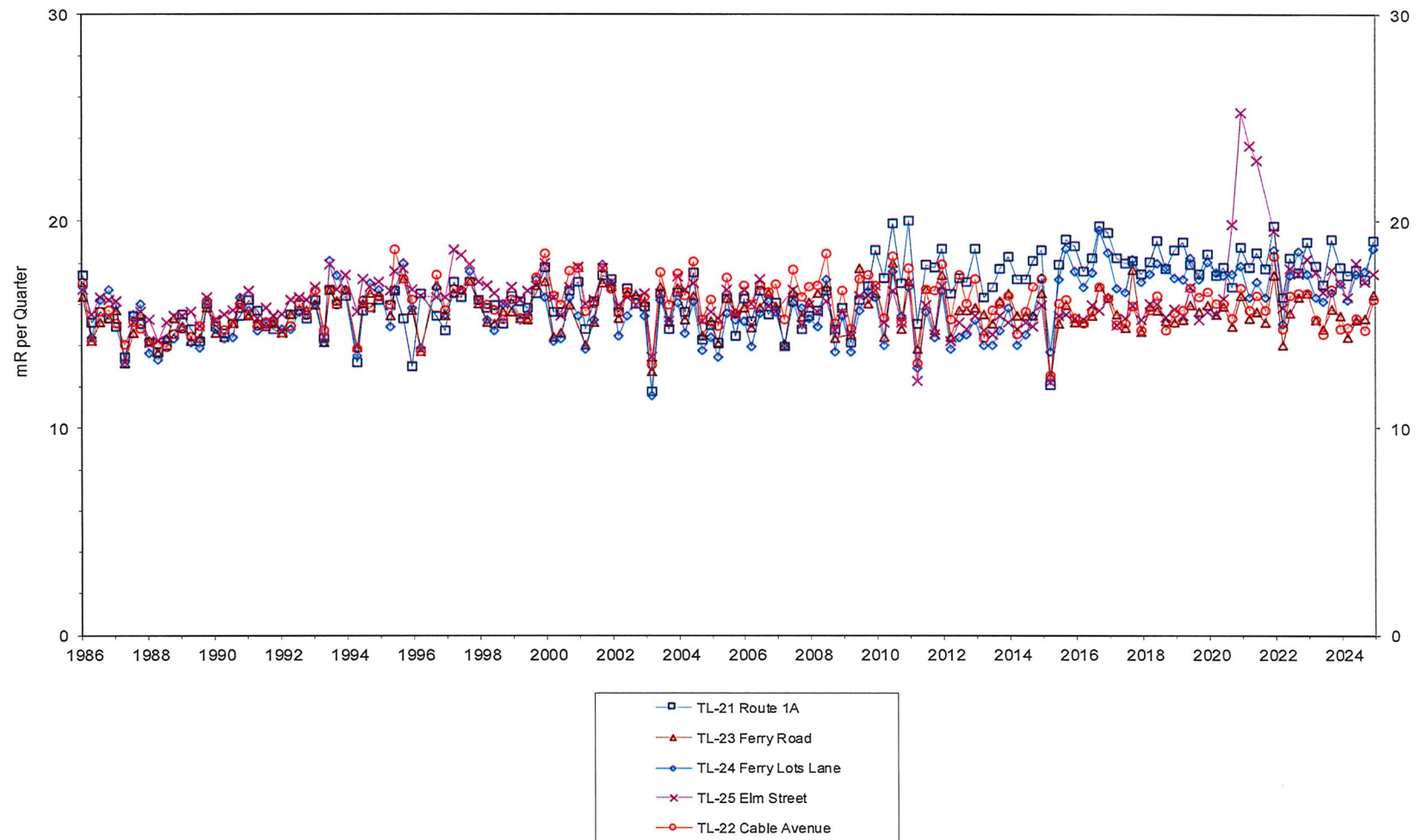


FIGURE 3.11
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK
STATION

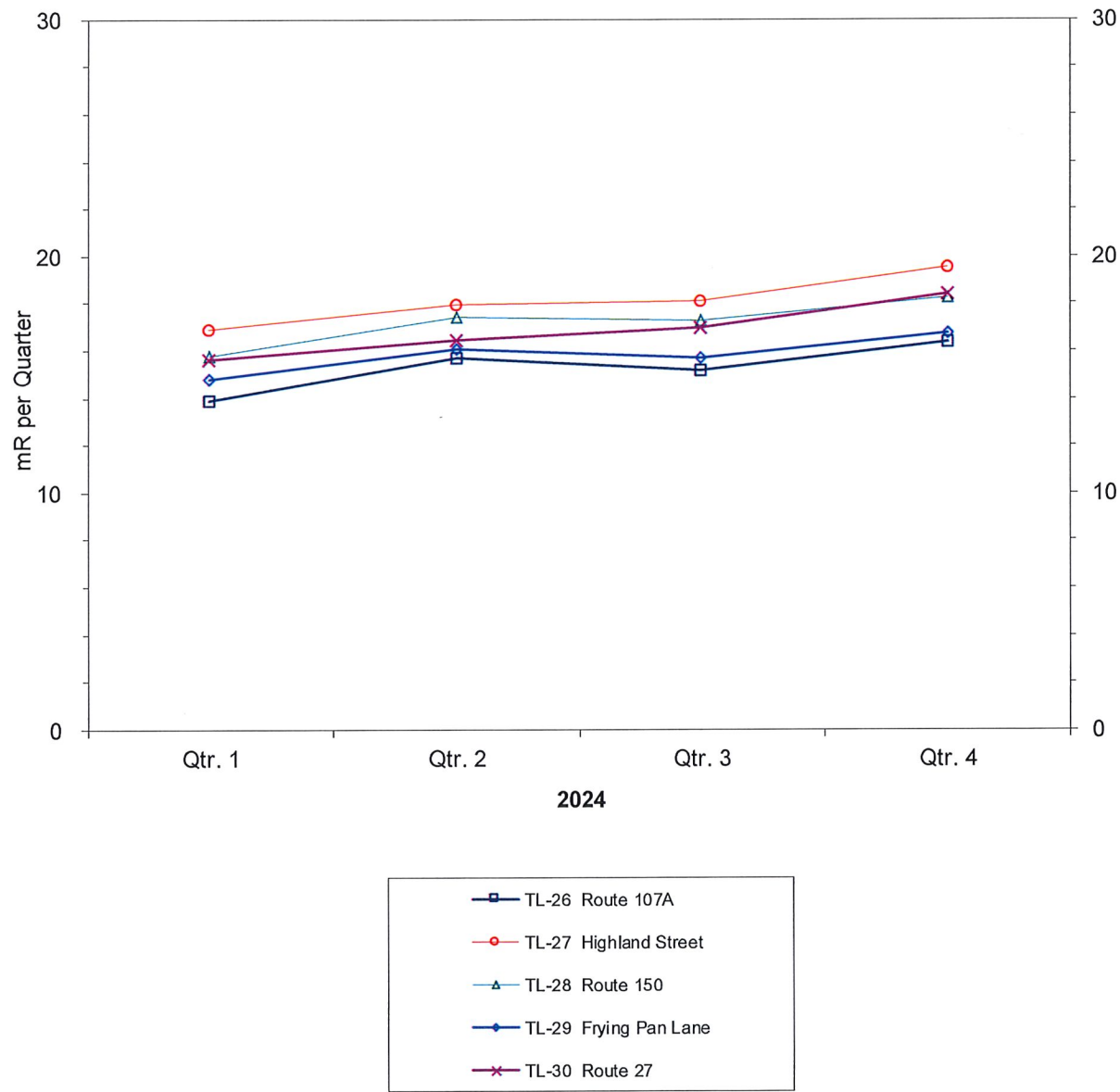


FIGURE 3.11.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

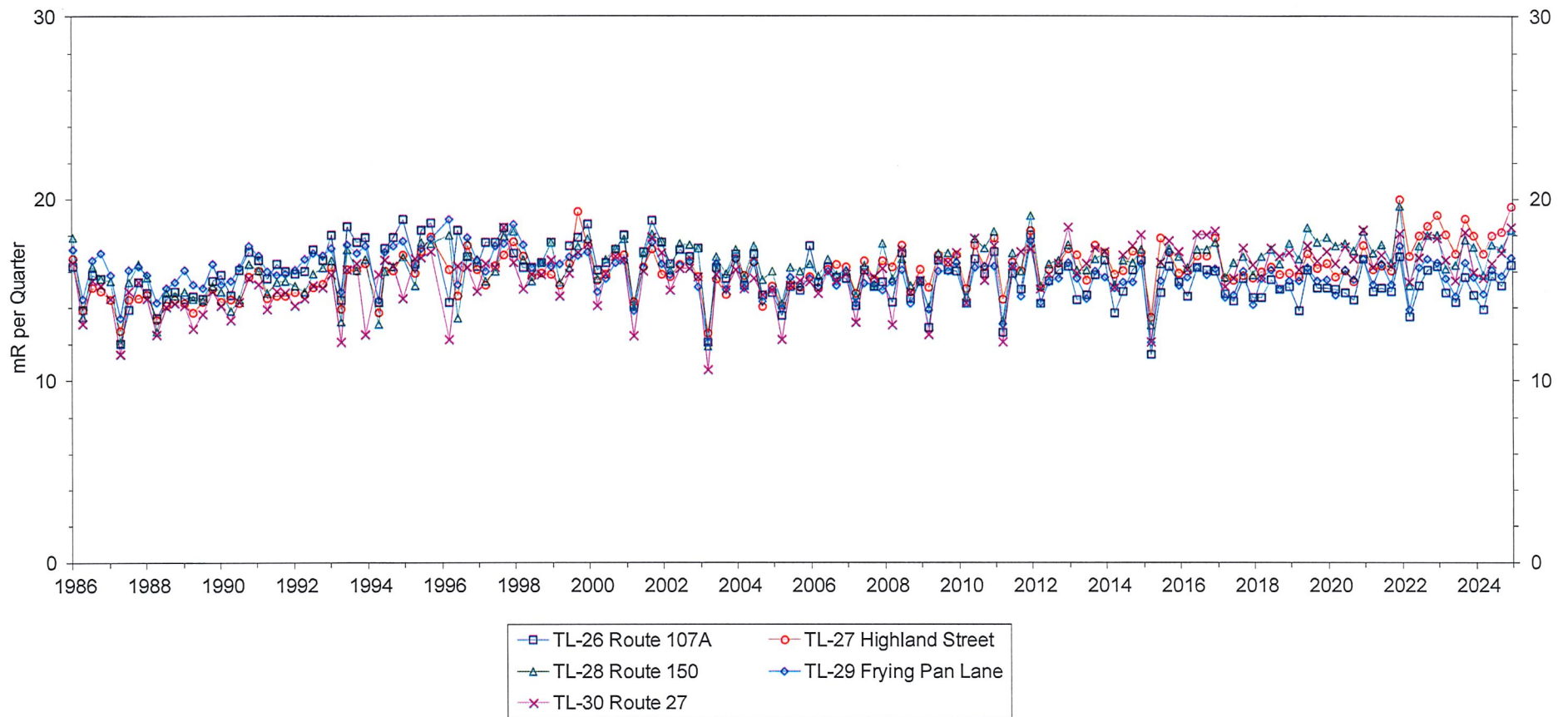
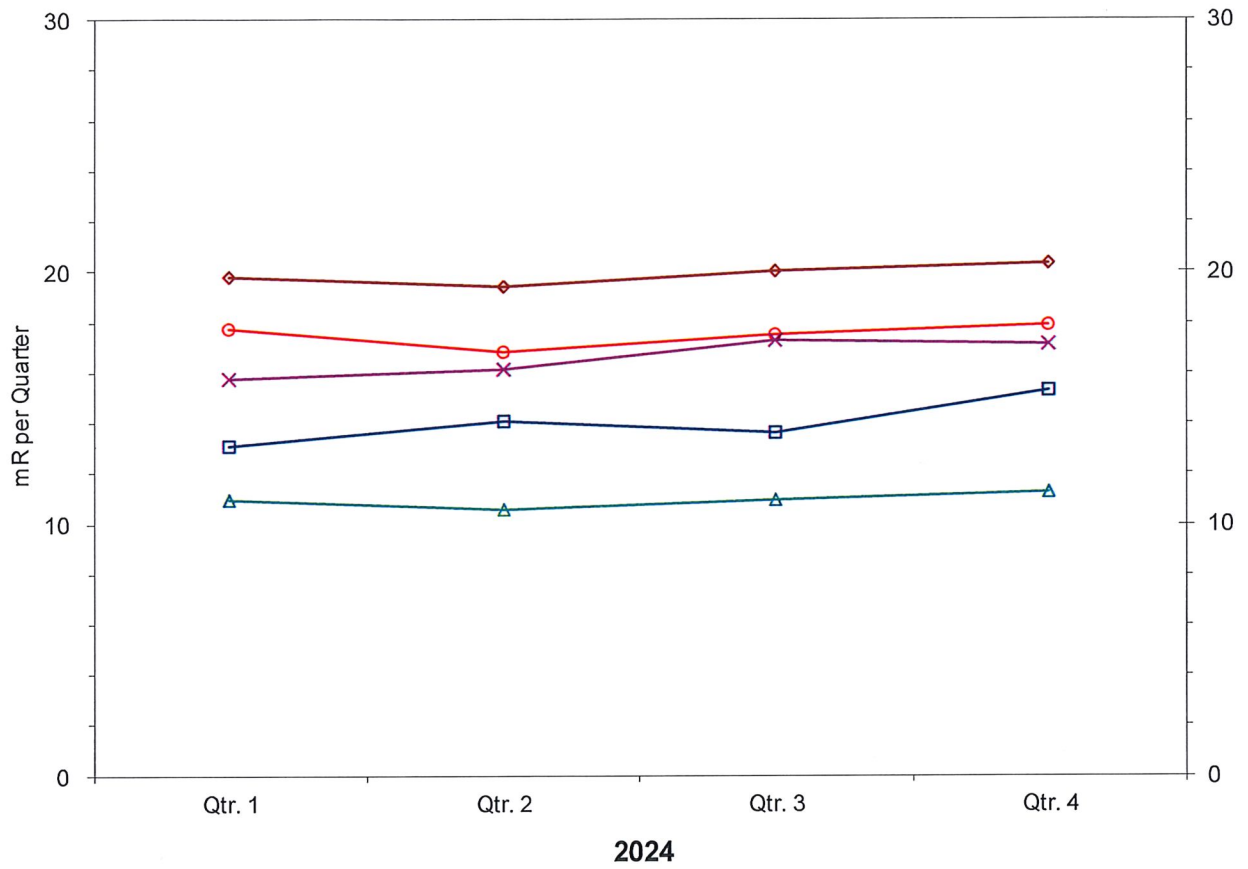


FIGURE 3.12

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION



- TL-31 Alumni Drive
- TL-32 SB Elementary School
- TL-33 Dock Area
- TL-34 Bow Street
- TL-35 Lincoln Ackerman School

FIGURE 3.12.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

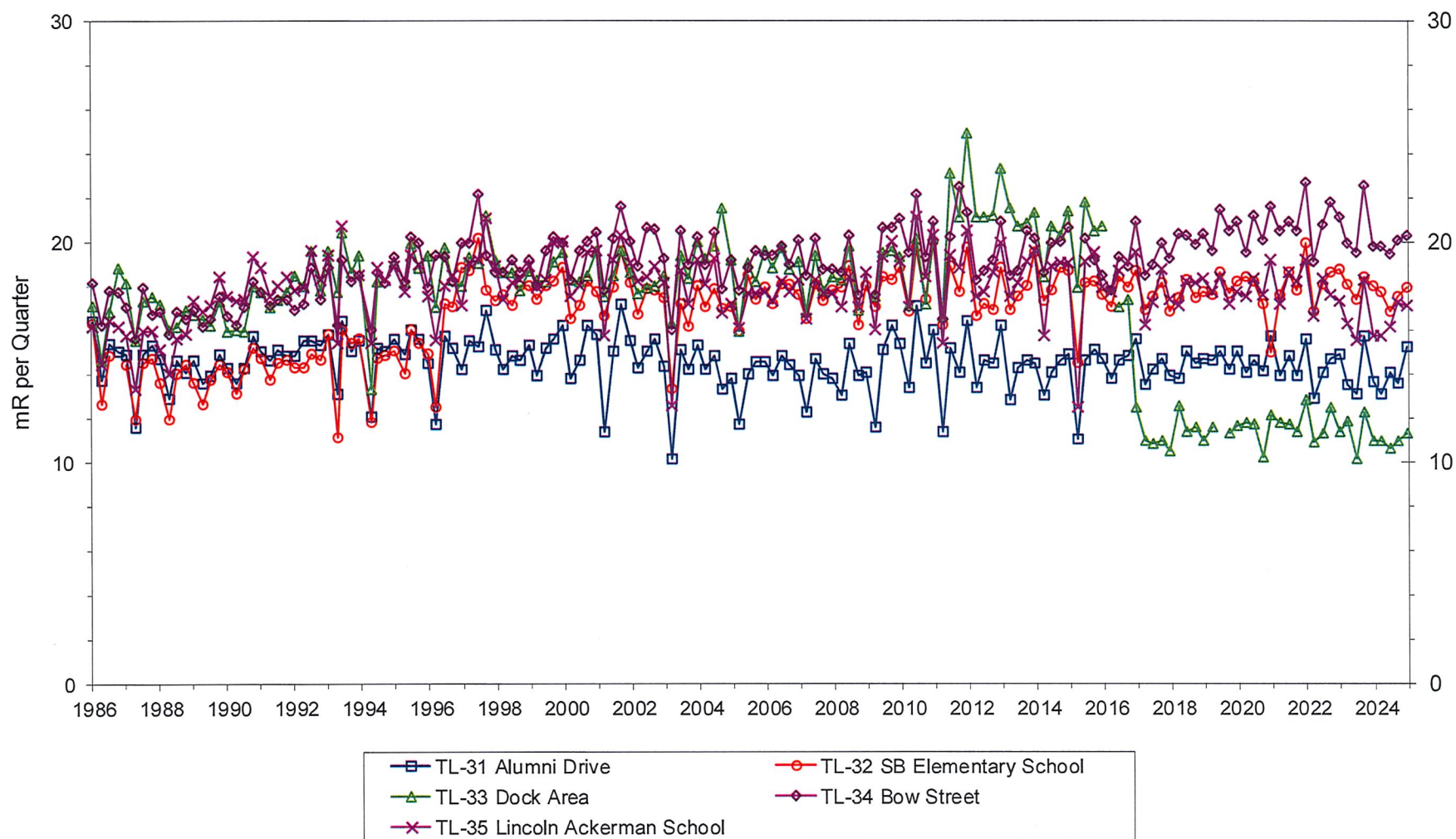


FIGURE 3.13
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

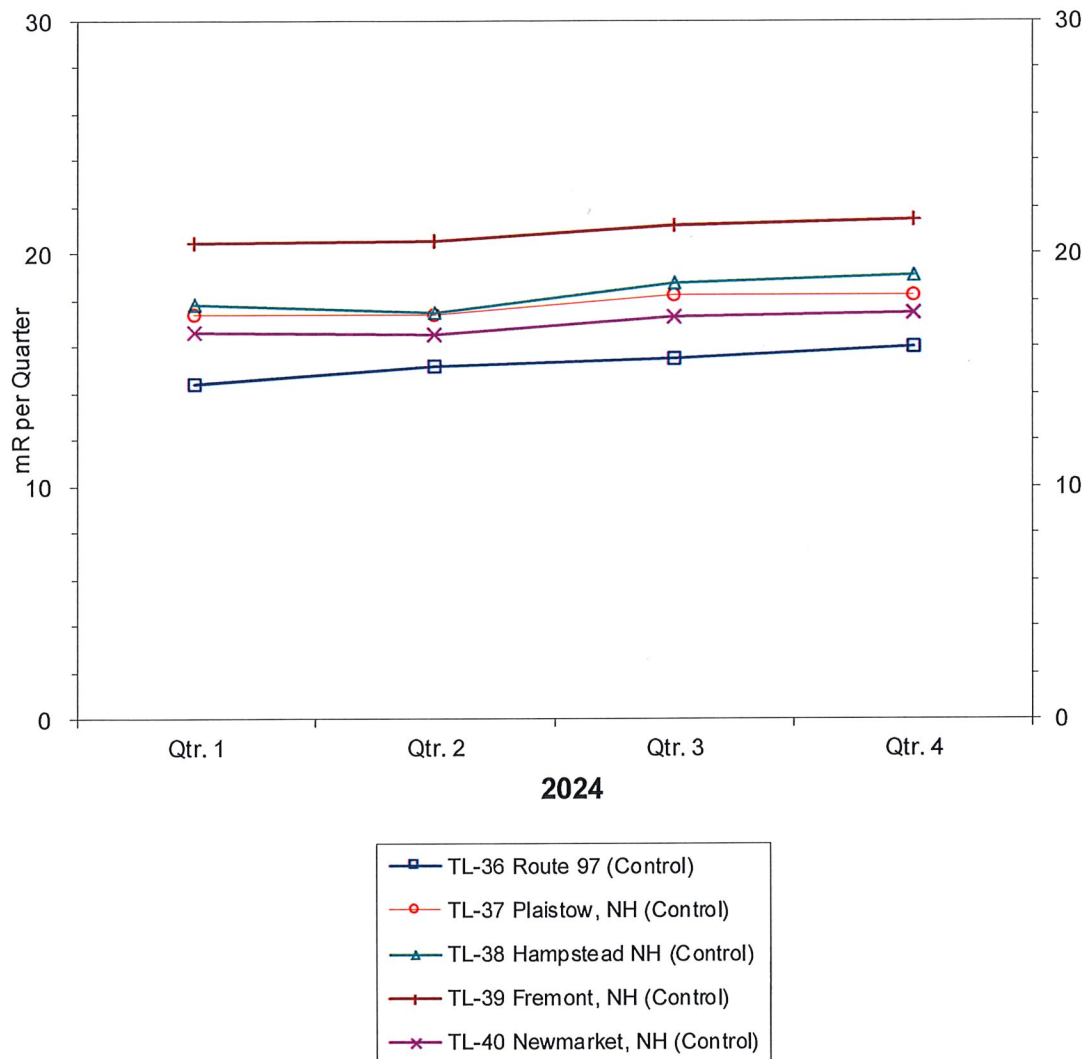


FIGURE 3.13.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

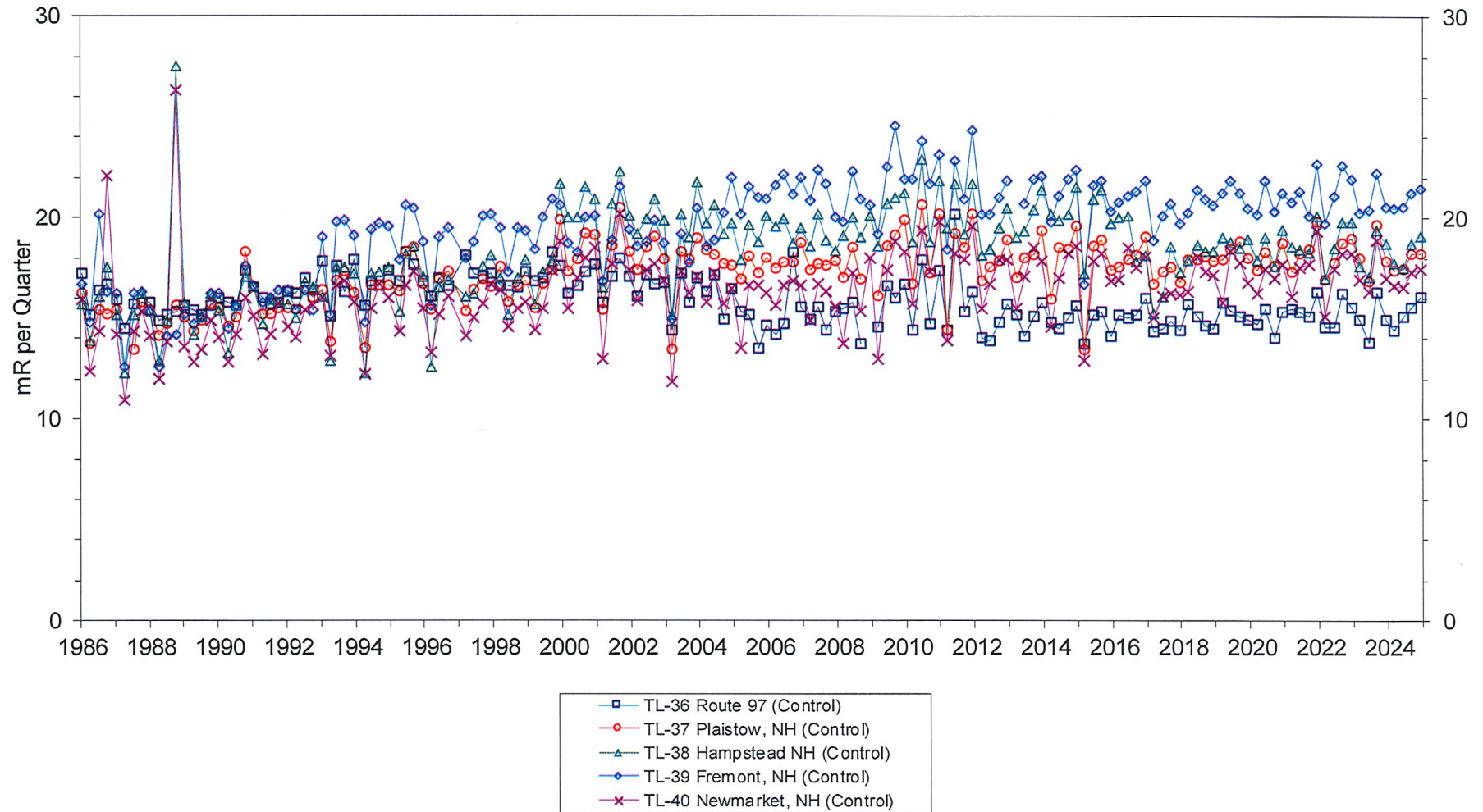


FIGURE 3.14
ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

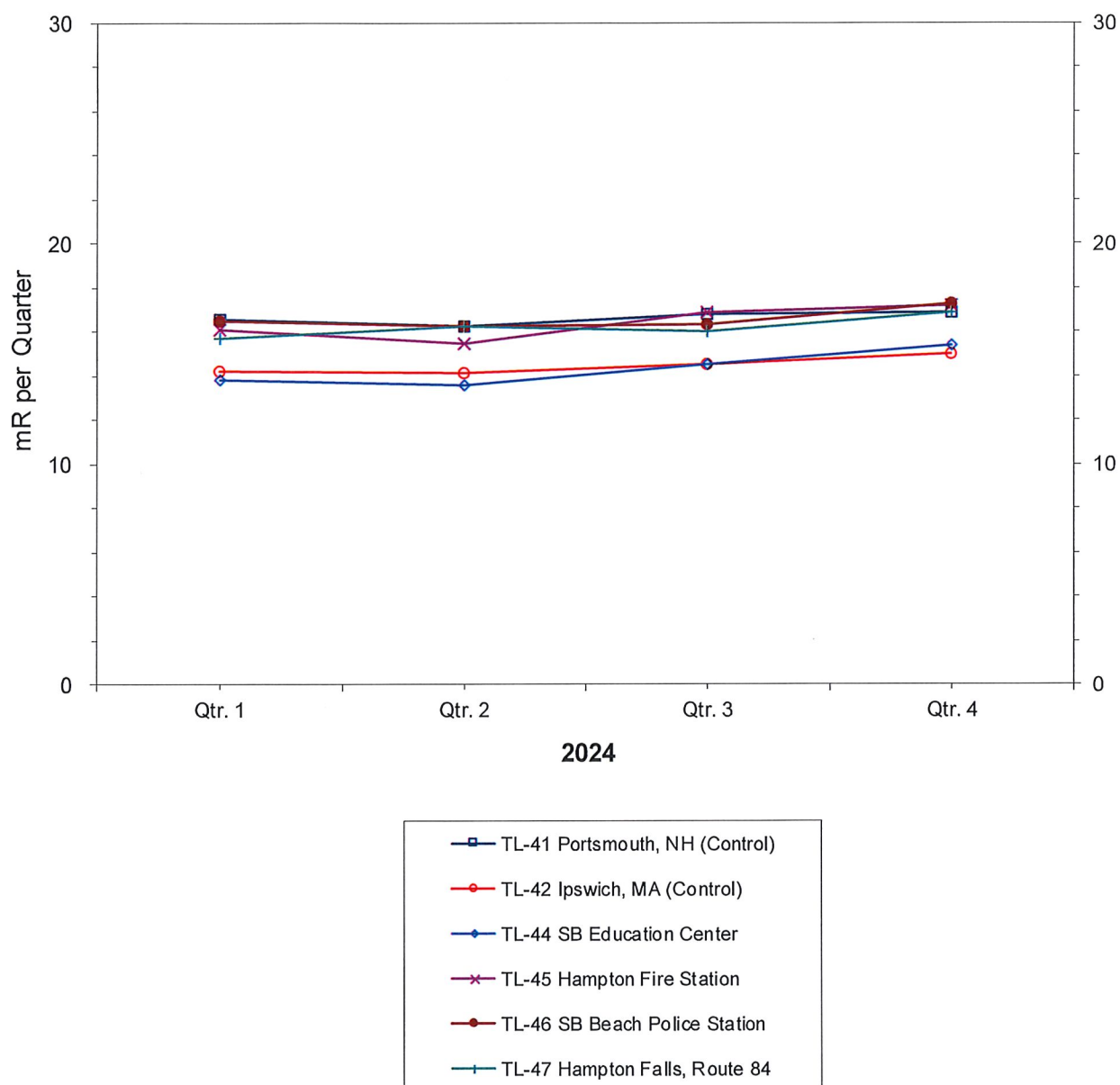
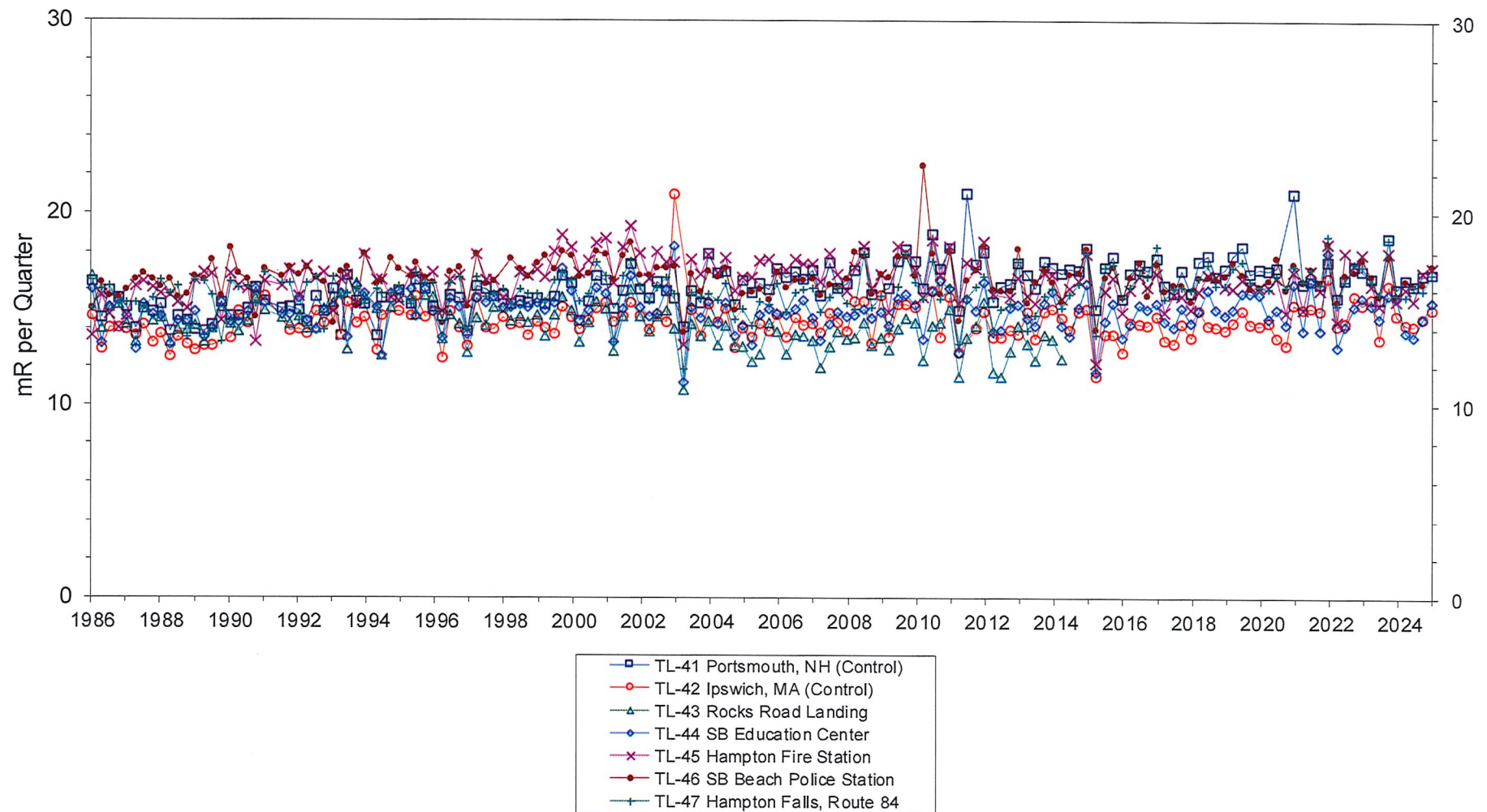


FIGURE 3.14.1

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 gamma and neutron (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. The monitoring of direct gamma radiation is as described in Section 3.13. Direct neutron radiation is measured with a neutron dosimeter, consisting of a set of three natural $\text{Li}_2\text{B}_4\text{O}_7\text{:Mn}$ elements that are sensitive to both neutron and gamma radiation and a second set of three depleted $\text{Li}_2\text{B}_4\text{O}_7\text{:Mn}$ elements (depleted of ^6Li and ^{10}B isotopes) that are sensitive to only gamma radiation. The difference between these two sets of elements yields the neutron exposure for the location. The neutron dosimeters are read on a quarterly basis and the neutron exposure is normalized to a standard 91-day quarter. The DFS locations that include a neutron dosimeter are indicated in Table 4.0-1.

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, a third fuel transfer campaign during August – October, 2017, with an additional 8 fuel canisters, and a fourth fuel transfer campaign was conducted during August and September, 2022, with an additional 8 fuel canisters placed in storage, bringing the total to 30 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 west 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 located southeast of the Dry Fuel Storage Pad. The Science and Nature Center was closed to the general public in 2018 and the last visitors were allowed access in August 2019. 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 2024 data for the DFS REMP is shown in Table 4.1-1. Figures 4.1, 4.2 and 4.3 show the quarterly 2024 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 (24 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 2024 annual mean of all indicator locations for the DFS was 17.0 mR/91-day quarter while the mean of all control locations was 17.2 mR/91-day quarter. There was no notable difference detected in the annual exposure rates in areas where 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 west of the DFS to the High Rise Office Building southeast 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 2024 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 shown by the results in Table 4.1-2, there were no DFS TLDs that exceeded the quarterly or annual investigation level in 2024. It is noted as a note to Table 4.1-2 that Figure 4.6 shows a step increase in the quarterly TLD values for TLD location SB-33 starting in the 3rd quarter of 2015. Since this step increase does not correspond to a DFS fuel transfer campaign, and there is a lack of a similar step increase in nearby TLD location SB-32 (same building, but on the 3rd floor), this dose is unlikely DFS facility related. During an investigation in 2023, Seabrook Station identified that the observed step change in the 3rd quarter of 2015 was due to the TLD being repositioned into the new fitness center from its original location in a 1st floor office on the southeast corner of the building, and that the step change observed in 2021 was due to the TLD being repositioned in the 2nd quarter of 2021 onto a vertical beam that supports an exterior stairwell on the west side of the building. For this reason, the locations baseline quarterly and annual doses were updated in 2023 using measurement data from 2016 – 2020. Prior to the 3rd quarter of 2023, TLD location SB-33 was moved to a utility closet inside of the Fitness Center, very close to its original location prior to the move in 2020. The resulting TLD measurements for the 3rd and 4th quarters, as shown in Figure 4.1-2, returned to levels observed prior to the movement of the TLD location in 2020. This will therefore require another rebaselining of the data for this location in the future once at least five years of data have been collected.

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 ⁽⁴⁾	On-site, outside Science & Nature Center ⁽¹⁾⁽²⁾	0.21	ESE
SB-36 ⁽⁴⁾	On-site, inside Science & Nature Center	0.24	SE
SB-32 ⁽⁴⁾	High-Rise Building, 3 rd Floor ⁽¹⁾	0.23	E
SB-33 ⁽⁴⁾	High-Rise Building, 1 st Floor (new Fitness Center) ⁽¹⁾	0.23	E
TL-68 ⁽⁴⁾	Nearby site boundary (firing range) to DFS	0.45	W
TL-69 ⁽⁴⁾	Nearby site boundary (Rocks Rd) to DFS	0.47	W
TL-10 ⁽⁴⁾	Site Boundary Fence ⁽²⁾	0.77	S
TL-11 ⁽⁴⁾	Site Boundary Fence ⁽²⁾	0.52	SSW
TL-12 ⁽⁴⁾	Site Boundary fence ⁽²⁾	0.53	WSW
TL-13 ⁽⁴⁾	Inside Site Boundary ⁽²⁾	0.61	WNW
TL-14	Trailer Park, Seabrook ⁽²⁾	0.94	NW
TL-36 ⁽⁴⁾	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.

(4) Neutron dosimeter monitoring is included at this location.

Table 4.1-1

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

2024

No.	Description	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		Qtr Ave
		<u>Exp.</u>	<u>S.D.</u>	<u>Exp.</u>	<u>S.D.</u>	<u>Exp.</u>	<u>S.D.</u>	<u>Exp.</u>	<u>S.D.</u>	<u>Exp.</u>
TL-44	Outside Science & Nature C.(1)	13.8 ± 0.6		13.6 ± 0.6		14.5 ± 1.0		15.4 ± 0.7		14.3
SB-36	Inside Science & Nature C.	15.6 ± 0.5		15.9 ± 0.7		15.6 ± 0.8		17.8 ± 0.7		16.2
SB-32	High-Rise 3rd Floor (1)	14.7 ± 0.9		15.3 ± 0.6		14.8 ± 0.7		15.7 ± 0.8		15.1
SB-33	High-Rise 1st Fl.(Fitness Cntr)(1)	18.6 ± 0.7		19.4 ± 0.6		19.2 ± 1.2		20.6 ± 0.8		19.5
TL-68	Nearby Site Boundary to DFS	19.1 ± 1.3		17.4 ± 0.8		18.9 ± 1.0		19.3 ± 0.7		18.7
TL-69	Nearby Site Boundary to DFS	14.9 ± 0.8		14.7 ± 0.8		14.4 ± 1.1		16.2 ± 1.4		15.1
TL-10	Site Boundary Fence (2)	14.6 ± 0.7		15.4 ± 0.8		15.7 ± 1.0		17.0 ± 1.0		15.7
TL-11	Site Boundary Fence (2)	17.8 ± 0.9		18.0 ± 0.7		18.2 ± 0.8		19.2 ± 1.0		18.3
TL-12	Site Boundary Fence (2)	18.0 ± 0.7		18.6 ± 1.1		19.1 ± 1.0		20.3 ± 1.1		19.0
TL-13	Inside Site Boundary (2)	17.7 ± 0.7		18.8 ± 0.8		18.2 ± 0.8		20.5 ± 0.7		18.8
TL-14	Trailer Park Seabrook (2)	15.3 ± 0.6		15.6 ± 1.1		15.5 ± 0.8		17.0 ± 0.8		15.9
TL-36	Rt 97, Georgetown (control)(2)	14.4 ± 0.7		15.1 ± 0.8		15.5 ± 0.6		16.1 ± 0.8		15.3
TL-37	Plaistow, NH (Control)(2)	17.4 ± 0.9		17.4 ± 0.7		18.2 ± 0.8		18.2 ± 0.7		17.8
TL-38	Hampstead, NH (Control)(2)	17.8 ± 0.9		17.5 ± 0.7		18.7 ± 0.9		19.1 ± 1.0		18.3
TL-39	Fremont, NH (Control)(2)	20.5 ± 0.9		20.5 ± 1.0		21.2 ± 0.9		21.5 ± 1.1		20.9
TL-40	Newmarket, NH (Control)(2)	16.6 ± 0.8		16.5 ± 1.0		17.3 ± 0.8		17.5 ± 1.2		17.0
TL-41	Portsmouth, NH (Control)(1)(2)	16.5 ± 0.8		16.3 ± 0.6		16.8 ± 0.8		16.9 ± 0.6		16.6
TL-42	Ipswich, MA (Control)(1)(2)	14.2 ± 0.6		14.1 ± 0.6		14.5 ± 0.6		15.0 ± 0.8		14.5
Mean of Indicators		16.4		16.6		16.7		18.1		17.0
Mean of Controls		16.8		16.8		17.5		17.8		17.2

(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 mrem	2024 Quarterly Monitoring Data, MQ (mrem/qtr)				Quarterly Facility Dose $F_Q = M_Q - (B_Q + MDD_Q)$				Annual Baseline, B_A mrem	2024 An. TLD Data, M_A mrem	An. Facility Dose $F_A = M_A - (B_A + MDD_A)$
		1	2	3	4	1	2	3	4			
TL-44 On-site, outside Science & Nature Center	15.5	14.5	14.3	15.3	16.2	ND	ND	ND	ND	62.0	60.2	ND
SB-36 On-site, inside Science & Nature Center	17.0	16.4	16.7	16.4	18.7	ND	ND	ND	ND	68.0	68.2	ND
SB-32 High-Rise Building, 3rd floor	14.7	15.4	16.0	15.6	16.5	ND	ND	ND	ND	58.5	63.6	ND
SB-33* High-Rise Building 1st floor, Fitness Center	21.5	19.6	20.4	20.2	21.7	ND	ND	ND	ND	85.9	81.9	ND
TL-68 Nearby site boundary (firing Range)	18.6	20.1	18.3	19.9	20.3	ND	ND	ND	ND	74.5	78.5	ND
TL-69 Nearby site boundary (Rocks Rd)	15.3	15.7	15.4	15.1	17.0	ND	ND	ND	ND	61.2	63.3	ND
TL-10 Site Boundary	17.1	15.3	16.2	16.5	17.8	ND	ND	ND	ND	68.2	65.8	ND
TL-11 Site Boundary	18.4	18.7	18.9	19.1	20.2	ND	ND	ND	ND	73.4	76.9	ND
TL-12 Site Boundary	19.1	18.9	19.5	20.1	21.3	ND	ND	ND	ND	76.3	79.8	ND
TL-13 Inside Site Boundary	20.2	18.6	19.8	19.1	21.6	ND	ND	ND	ND	80.9	79.1	ND
TL-14 Trailer Park	16.7	16.1	16.4	16.3	17.9	ND	ND	ND	ND	66.8	66.7	ND
TL-36 Route 97(Control)	16.2	15.1	15.9	16.3	16.9	ND	ND	ND	ND	65.1	64.2	ND
TL-37 Plaistow, NH (Control)	18.9	18.3	18.3	19.1	19.1	ND	ND	ND	ND	75.7	74.8	ND
TL-38 Hampstead, NH (Control)	20.8	18.7	18.4	19.7	20.0	ND	ND	ND	ND	83.3	76.8	ND
TL-39 Fremont, NH (Control)	22.4	21.5	21.6	22.3	22.6	ND	ND	ND	ND	89.6	88.0	ND
TL-40 Newmarket, NH (Control)	17.6	17.5	17.4	18.2	18.4	ND	ND	ND	ND	70.3	71.4	ND
TL-41 Portsmouth, NH (Control)	17.8	17.4	17.1	17.7	17.8	ND	ND	ND	ND	71.1	69.9	ND
TL-42 Ipswich, MA (Control)	15.1	14.9	14.8	15.3	15.8	ND	ND	ND	ND	60.1	60.9	ND

$MDD_Q = 4.7$ = minimum differential exposure, quarterly, 3 times 90th percentile S_Q determined from analysis in mrem.

$MDD_A = 9.8$ = minimum differential exposure, annual, 3 times 90th percentile S_A determined from analysis in mrem.

B_Q = Quarterly baseline exposure (mrem).

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

L_Q = Quarterly Investigative Level exposure (mrem).

B_A = Quarterly baseline background average exposure (mrem).

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

L_A = Annual Investigative Level exposure (mrem).

ND = Facility contribution to exposure "Not Detected"

Table 4.1-2 (cont'd)

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

* Figure 4.6 shows step increases in the quarterly TLD values for this location starting in the 3rd quarter of 2015 and again in the 2021 timeframe. Since these step increases do not correspond to DFS fuel transfer campaigns, and there is a lack of similar step increases in nearby TLD SB-32 (same building, but on the 3rd floor), this dose is unlikely DFS facility related. During 2023, Seabrook Station identified that the observed step change in the 3rd quarter of 2015 was due to the TLD being repositioned into the new fitness center from its original location in a first floor office in the southern corner of the building, and that the step change observed in 2021 was due to the TLD being repositioned in the 2nd quarter 2021 onto a vertical beam that supports an exterior stairwell on the west side of the building. For this reason, the quarterly and annual baseline values were re-calculated using measurement data from 2016 – 2020 resulting in an updated quarterly baseline dose of 21.5 mrem and an updated annual baseline dose of 85.9 mrem. Prior to the 3rd quarter of 2023, TLD SB-33 was relocated to a utility closet very close to the location prior to the move outside the building in 2021. Figure 4.6 shows that the measurements returned to levels observed prior to its move in 2020.

FIGURE 4.1
DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

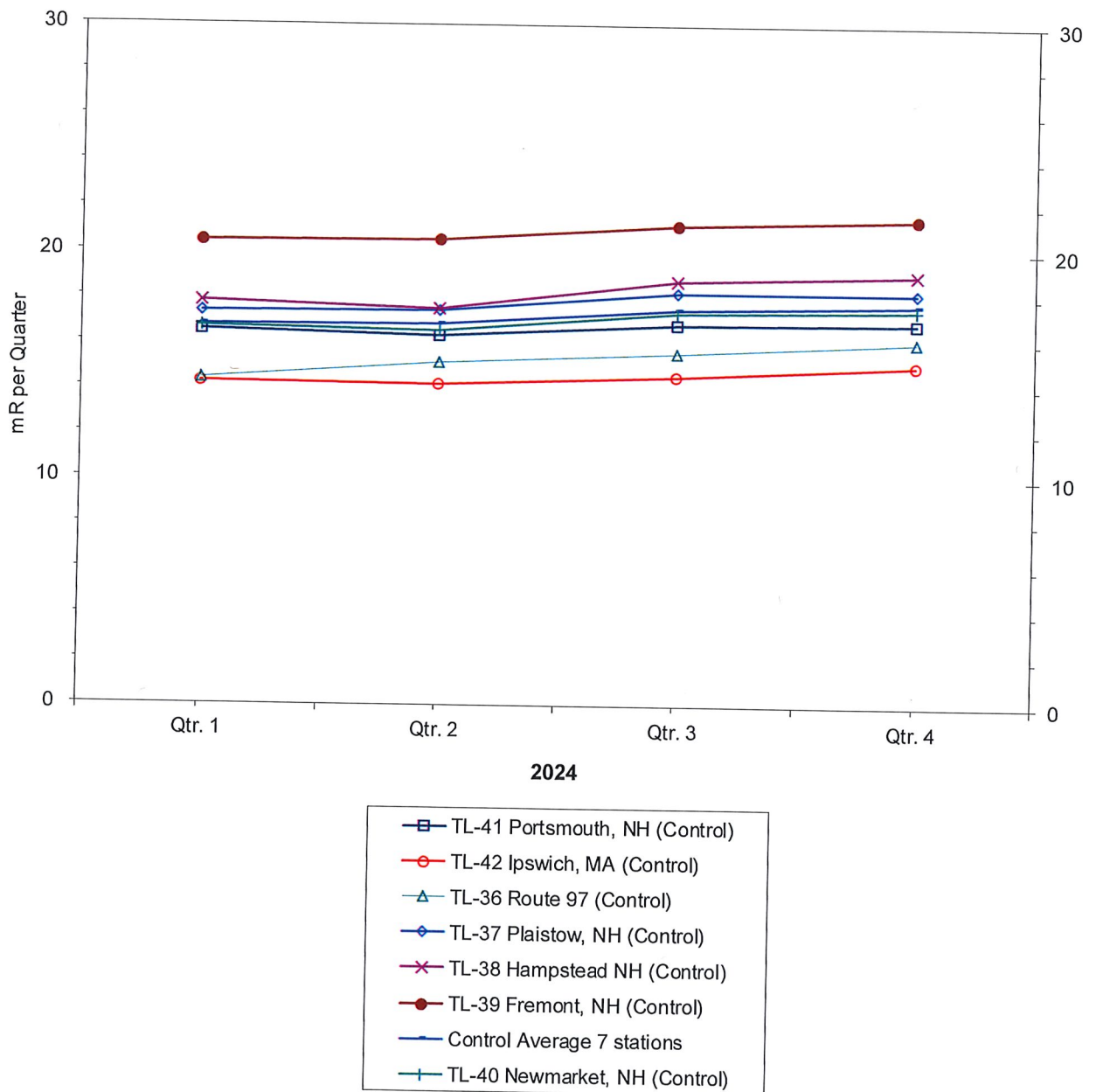


FIGURE 4.2
DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

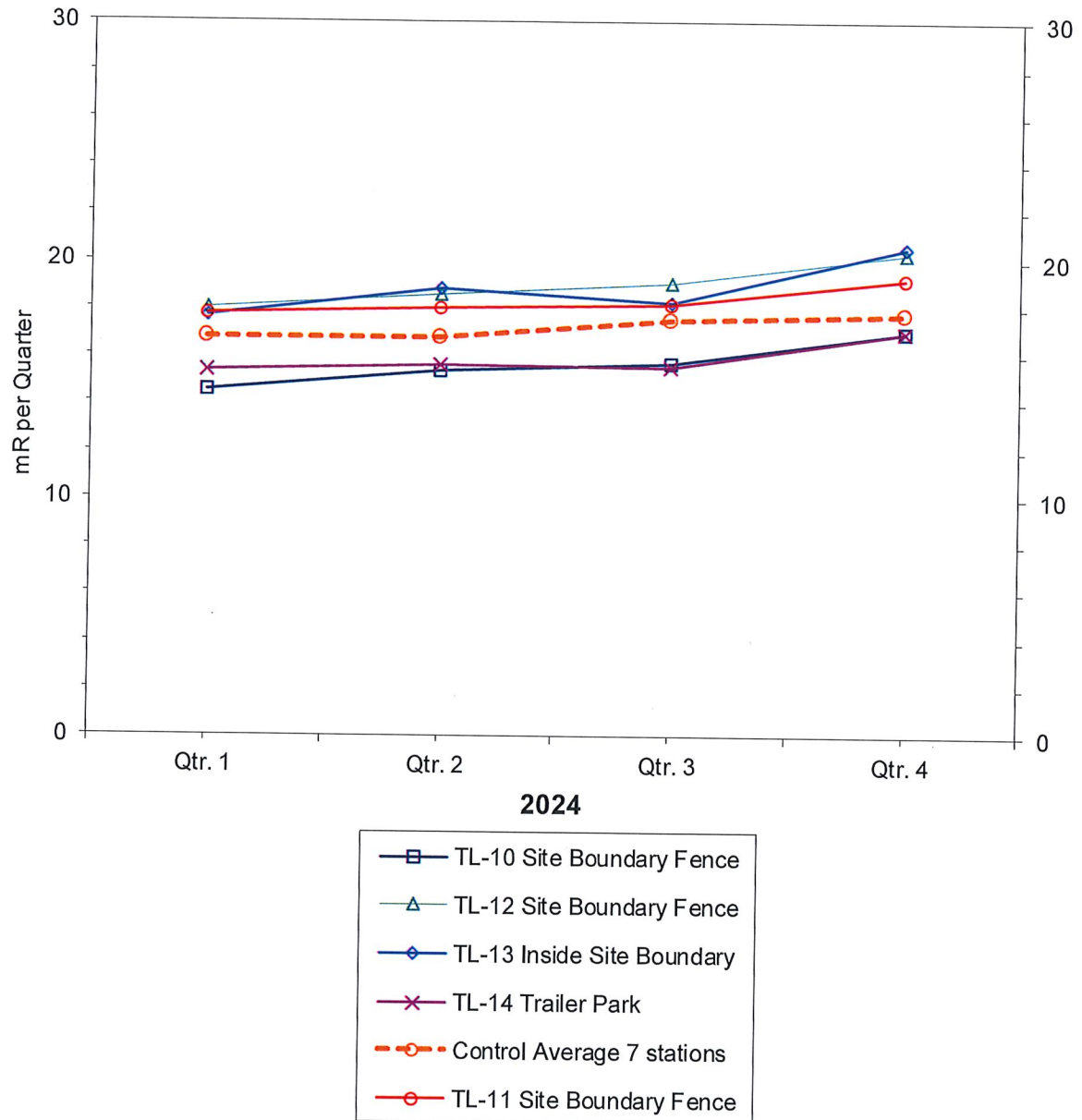


FIGURE 4.3

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

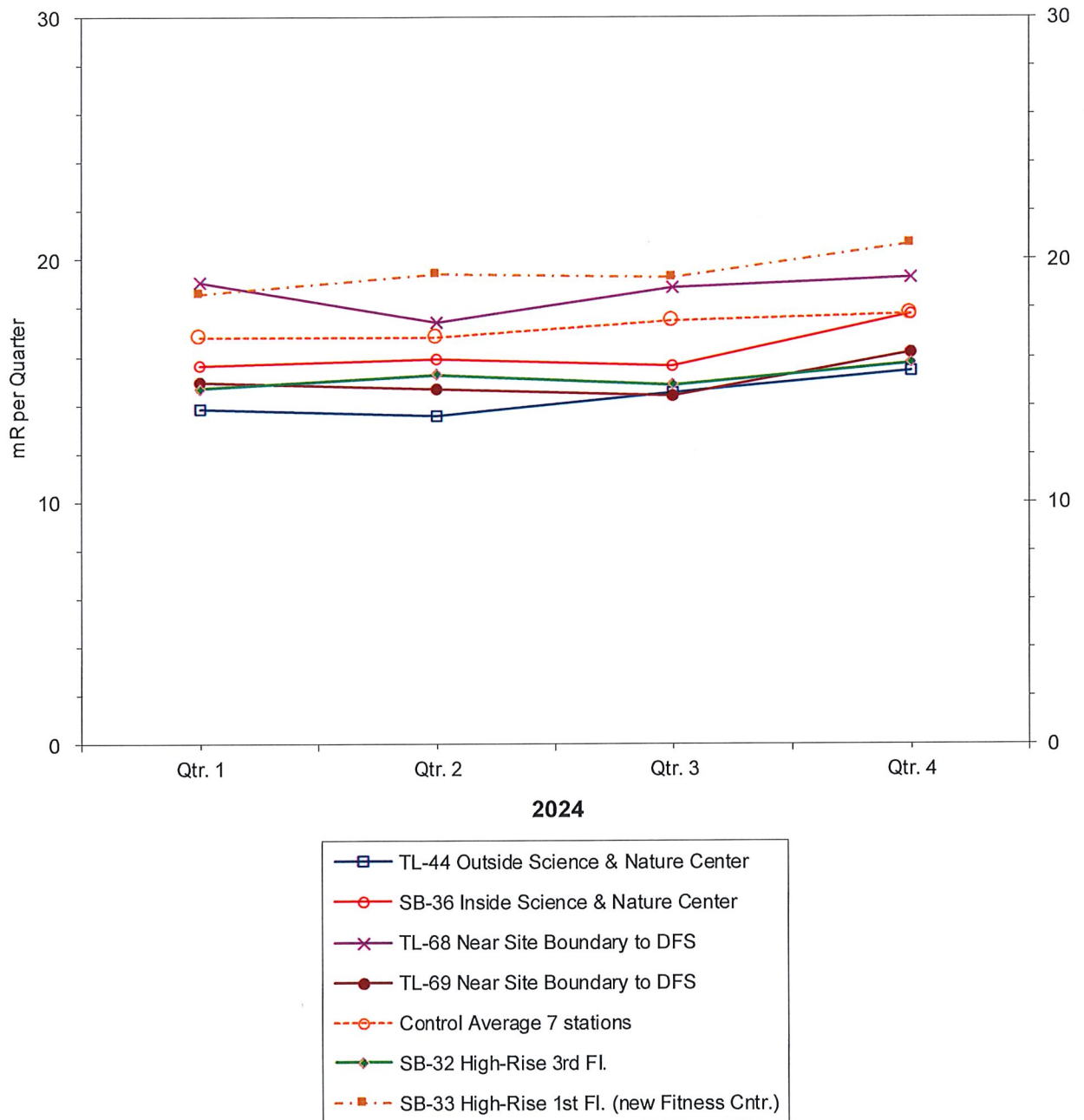


FIGURE 4.4
DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

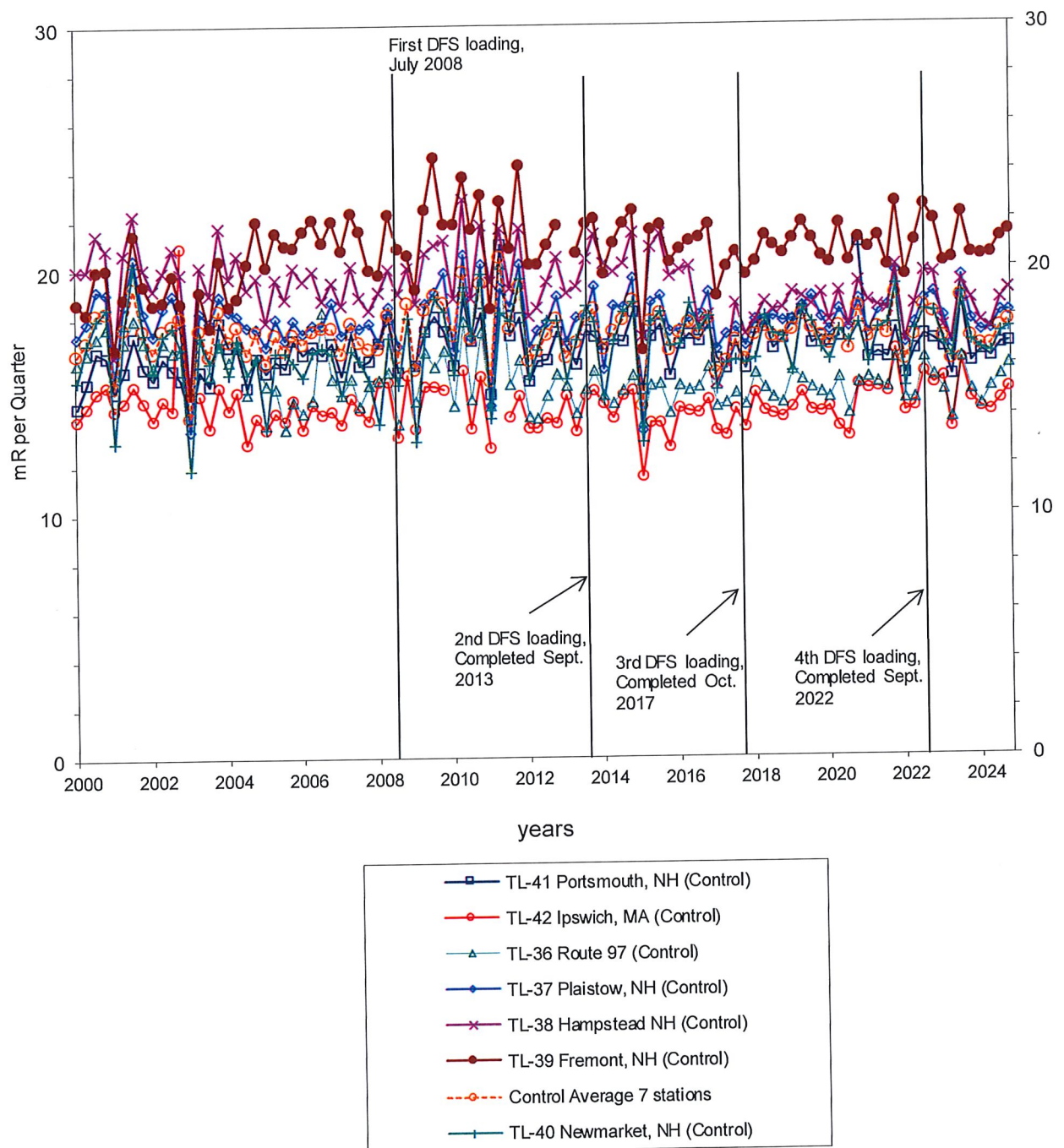


FIGURE 4.5
DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION

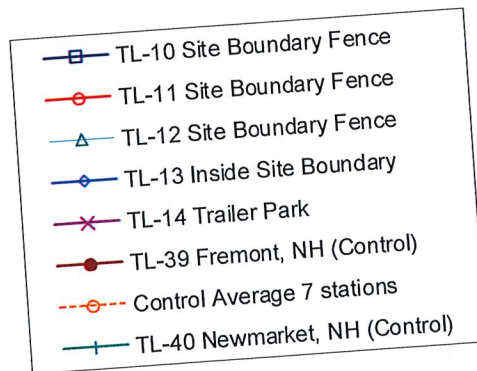
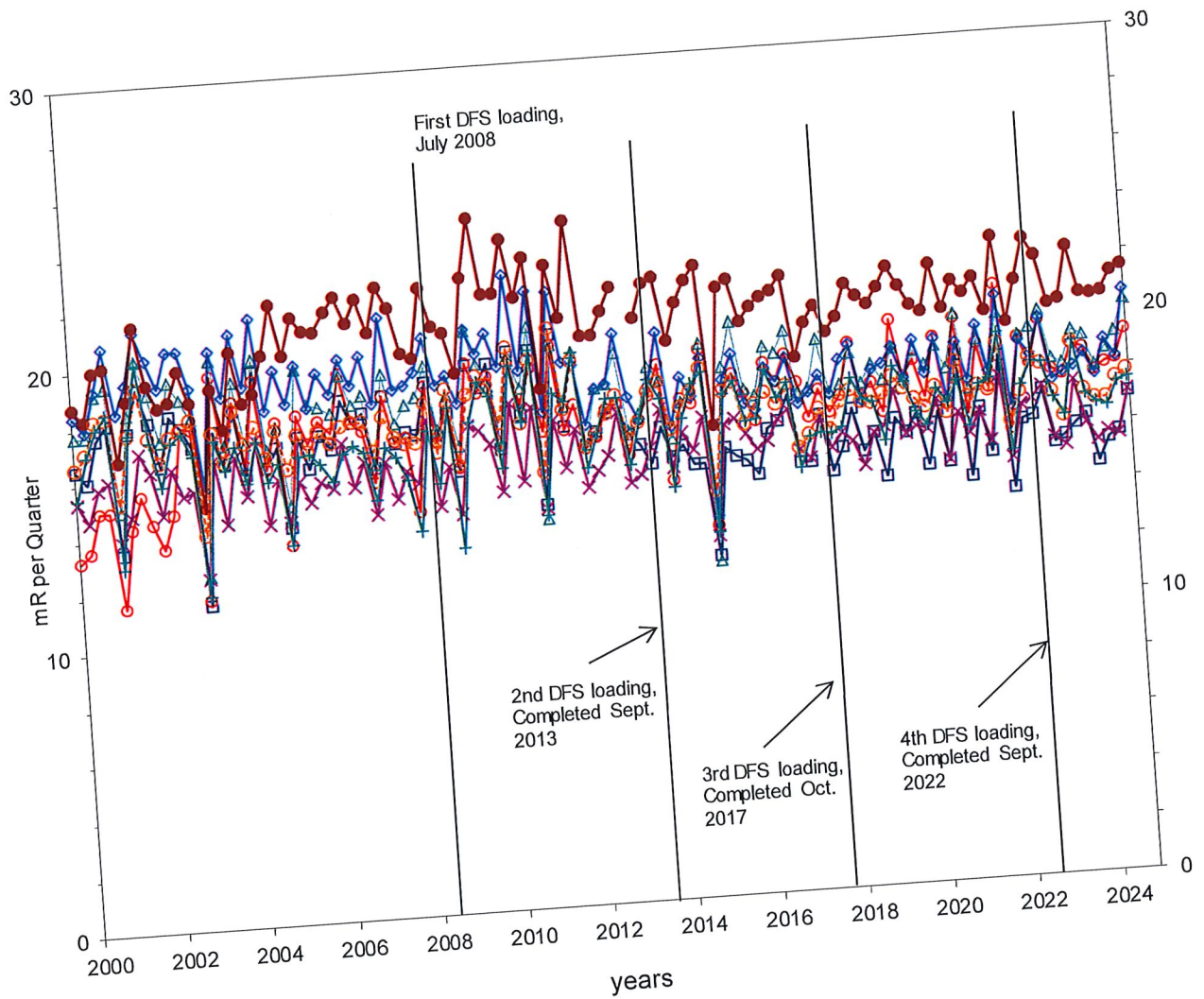
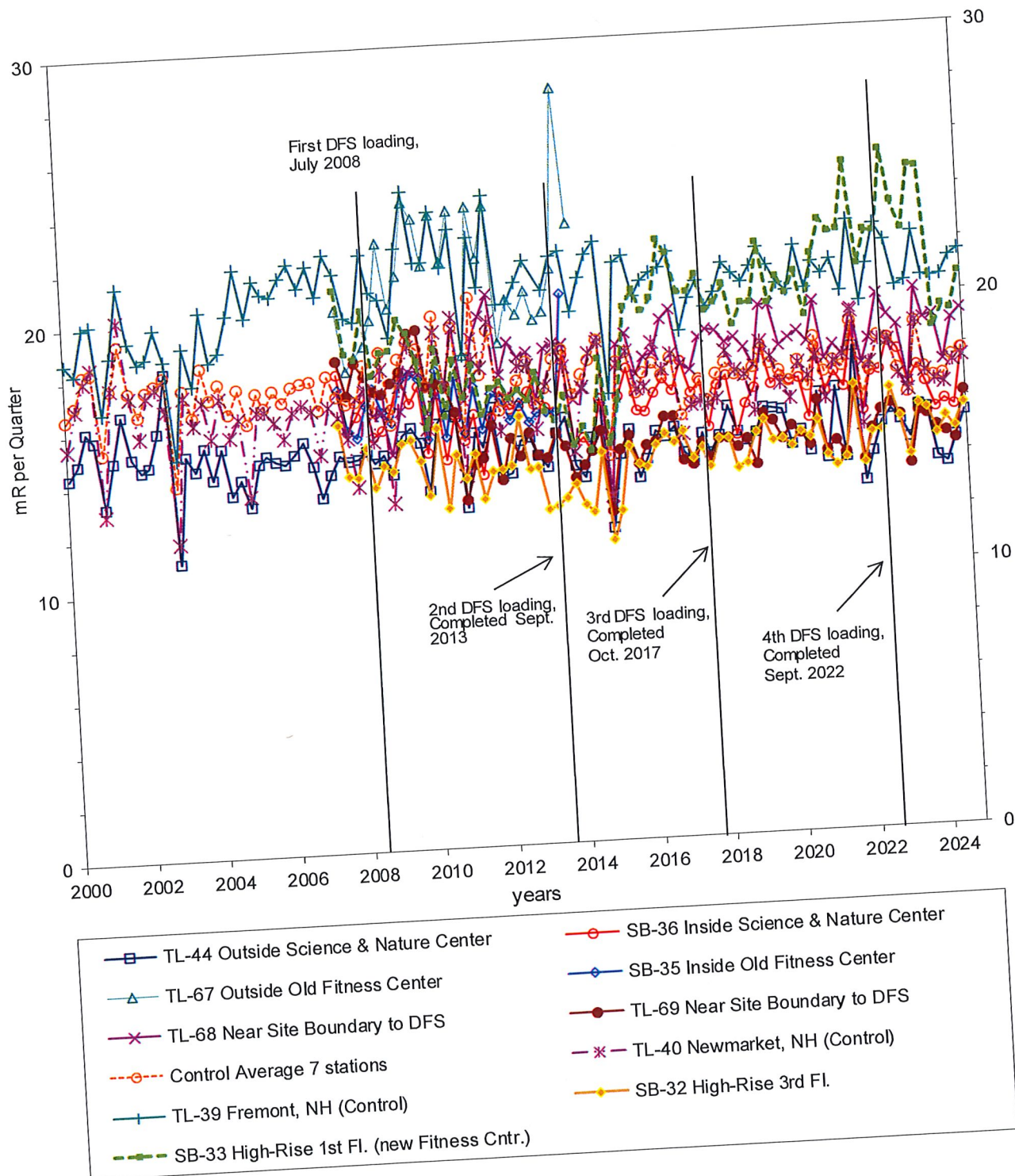


FIGURE 4.6
DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION



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 2024 are as follows:

- On January 7, 2024, air sampling stations AP-01/CF-01 and AP-08/CF-08 went out of service due to an AC power loss. Power was restored on January 10, 2024. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for this analysis. The incident was documented and tracked under AR 02467039.
- On May 16, 2024, at air sampling location AP-02/CF-02 off normal notification was received due to the pump failure, equipment degradation or a loss of AC power at the location. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for this analysis. The incident was recorded under AR 02486497.
- On July 18, 2024, during the quarterly checkout, it was discovered that the REMP environmental TLD at TL-20 Ashworth Ave. was missing. This TLD was intended to fulfill the second-quarter 2024 monitoring requirements. The missing housing was later replaced, and the TLD was redeployed to restore monitoring capability for the third quarter. The incident was documented under AR 02490908.
- On July 30, 2024, a power outage occurred at the Timber Swamp air sampling station (AP-07/CF-07), causing the shutdown of the air sampling pump and dry gas meter. The loss of power resulted in the inability to collect air particulate samples (AP and CF) for this location during the period of July 29th to August 7th. The incident was documented and tracked under AR 02491698.
- On August 17, 2024, multiple pager notifications were received regarding the loss of AC power and voltage at the Exeter/Hampton Electric (AP/CF-08) and Barge Landing (AP/CF-01) REMP air sampling locations. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for these analyses. The incident was documented and tracked under AR 02493111.
- On November 2, 2024, a shipment of REMP environmental samples was lost and damaged in transit. The shipment included air particulate and charcoal filters for the 08/20/24 - 09/04/24 sampling period, third-quarter groundwater samples, and food crop and broadleaf vegetation samples. The samples were shipped out on 09/04/24 and sustained damage on route to GEL Laboratories on 09/06/24. AR 02500321 was issued to document and track this issue.
- The bi-weekly air samples scheduled for collection on December 24, 2024 remained in service until January 8, 2025. The air samples were shipped on January 13, 2025 and sustained damage enroute to GEL Laboratories. AR 02505237 was issued to document and track the issue.

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 2024, 1315 analyses had an LLD requirement listed in Table 5.2-1, and in all cases except five (missed LLDs for Ba-140 in ground water, Ba-140 in surface water, and I-131 in vegetation), the LLD requirements were met.

For the missed LLDs, the following explanations are provided:

- LSN 662491003, 662491002, and 662491001 (missed LLD for Ba-140 in ground water) – Due to the short half-life of the isotope being analyzed.
- LSN 687888002 (missed LLD for Ba-140 in surface water) – Due to the short half-life of the isotope being analyzed.
- LSN 673595001 (missed LLD for I-131 in vegetation) - Due to short half-life of the isotope being analyzed.

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 2024, 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 (PT) and environmental monitoring aspects of GEL for 2024. 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 "2024 Annual Quality Assurance Report for the Radiological Environmental Monitoring Program (REMP)", dated March 17, 2025, and includes:

- Intra-laboratory QC results analyzed during 2024.
- Inter-laboratory QC results analyzed during 2024 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 (EPA) Discharge Monitoring Report, Quality Assurance Program (DMR-QA) - An annual national program sponsored by the 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 (DOE) 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, which includes parameters for both organic and inorganic analytes.
- ERA's Water Supply (WS) biannual program for drinking water methodologies, which 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.

- TNI, The NELAC Institute, National Environmental Laboratory Accreditation Program (NELAP)
- DOEAP, 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 17025:2017
- 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 (24-RAD-001) was conducted in September of 2024. There were no findings, three observations, and no recommendations for improvements from this assessment.

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 LIMS. 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 to 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.

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

Summary of Data Results

During 2024, forty-one (41) radioisotopes associated with six (6) 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 2024. Of the four hundred sixty-three (463) total results reported, 96.1% (445 of 463) were found to be acceptable within the PT providers three sigma or other statistical criteria. The list below contains the type of matrix evaluated by GEL.

- Air Filter
- Cartridge
- Water
- Milk
- Soil
- 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 result for bias and precision by sample matrix are provided in Table 6.1-3 (REMP Related) and Table 6.1-4 (All Samples).

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

Eckert & Ziegler Analytics provided samples for sixty-nine (69) individual environmental analyses. The accuracy of each result reported to Eckert & Ziegler Analytics, Inc. is measured by the ratio of GEL's result to the known value. Of the 69 analyses reported, 97% (67 out of 69) fell within GEL's acceptance criteria. One isotope failure occurred: Cerium-141.

Table 6.1-2 list the results specific to the Eckert & Ziegler Analytics sample provided in 2024. For the corrective actions associated with the isotope failure, refer to the corrective actions in Table 6.1-5.

Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 49, 50, and 51 were analyzed by the laboratory. Of the two hundred five (205) analyses, 97.1% (199 out of 205) of all results fell within the PT provider's acceptance criteria.

For the corrective actions associated with MAPEP Series 49, 50, and 51, refer to the corrective actions in Table 6.1-5.

Summary of Participation in the ERA MRaD PT Program

The ERA MRaD program provided samples (MRAD-40 and MRAD-41) for one hundred forty-eight (148) individual environmental analyses. One hundred forty-four (144) of the 148 analyses fell within the PT provider's acceptance criteria (97.3%).

For the corrective actions associated with MRAD-40 and MRAD-41, refer to the corrective actions in Table 6.1-5.

Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-136, RAD-137, RAD-138 and RAD-139) for forty-one (41) individual environmental analyses. Of the 41 analyses, 80.5% (33 out of 41) of all results fell within the PT provider's acceptance criteria.

For the corrective actions associated with RAD-136, RAD-137, and RAD-138, refer to the corrective actions 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 2024. GEL has determined that causes of the failures did not impact any data reported to its clients.

TABLE 6.1-1
2024 INTER-LAB RADIOLOGICAL PROFICIENCY TESTING RESULTS AND ACCEPTANCE CRITERIA

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Barium-133	30.1	31.3	19.0 - 43.6	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Cesium-134	31.2	28	16.0 - 40.0	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Cesium-137	52.8	47.7	24.5 - 70.9	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Cobalt-60	96.7	84	66.4 - 102	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Gross Alpha	32.6	35.2	25.7 - 44.7	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Gross Beta	44	55.5	41.1 - 69.9	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Iodine-131	16.1	26.3	22.7-29.9	Not Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Strontium-89	47.4	47.8	33.8-61.8	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Strontium-90	51.3	43.1	36.9 - 49.3	Not Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Tritium	9790	10300	8350 - 12300	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	µg/L	Uranium (mass)	49.25	54.3	47.9 - 60.7	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Uranium (Nat)	38.9	37.2	32.9 - 41.5	Acceptable
ERA	1st/2024	02/26/24	RAD-136	Water	pCi/L	Zinc-65	322	284	228 - 340	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Actinium-228	1650	1590	1050-2000	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Americium-241	2450	1880	1020-2660	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Americium-241	65.6	55	39.3-73.3	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Americium-241	156	139	95.4-178	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Americium-241	1080	1210	749-1710	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Bismuth-212	1250	1670	478-2490	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Bismuth-214	856	786	377-1170	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Cesium-134	3530	3500	2390-4180	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Cesium-134	262	273	177-335	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Cesium-134	402	415	313-456	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Cesium-134	1220	1290	856-1720	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Cesium-137	10600	9150	6920-11600	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Cesium-137	120	106	87.1-139	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Cesium-137	2400	2310	1980-2630	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Cesium-137	2440	2420	1860-3260	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Cobalt-60	9240	8400	6620-11600	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Cobalt-60	1210	1120	952-1420	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Cobalt-60	1570	1500	1290-1720	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Cobalt-60	2240	2090	1640-2730	Acceptable

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ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Curium-244	1600	1750	987-2150	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Gross Alpha	112	95.9	50.1-158	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Gross Alpha	144	168	61.3-232	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Gross Beta	33.7	22.2	13.5-33.5	Not Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Gross Beta	180	175	87.5-241	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Iron-55	325	386	141-616	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Iron-55	2060	2480	1460-3610	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Lead-212	1870	1650	1150-2090	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Lead-214	1060	851	357-1340	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Manganese-54	<31.1	<555	0.00-555	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Manganese-54	<40.1	<35.0	0.00-35.0	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Manganese-54	<10.2	<71.0	0.00-71.0	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Manganese-54	<40.1	<207	0.00-207	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Plutonium-238	556	512	255-778	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Plutonium-238	42.9	41.1	31.0-50.0	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Plutonium-238	59.9	70.4	42.3-91.2	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Plutonium-238	3270	3520	2440-4540	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Plutonium-239	628	545	297-784	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Plutonium-239	57.1	56.1	41.9-67.7	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Plutonium-239	59.5	76.5	47.3-94.3	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Plutonium-239	245	216	149-273	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Potassium-40	44000	41800	28800-49900	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Potassium-40	34600	33300	25000-42200	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Strontium-90	3350	3630	1130-5650	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Strontium-90	143	158	99.9-215	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Strontium-90	397	316	228-391	Not Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Strontium-90	1680	2100	1180-2740	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Thorium-234	6260	4320	1630-7400	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Tritium	12000	13100	9870-15900	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	µg/kg	Uranium (mass)	16000	12900	5820-17400	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	µg/Filter	Uranium (mass)	35.6	34.4	27.6-40.3	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	µg/L	Uranium (mass)	517	537	435-609	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	µg/kg	Uranium (mass)	6330	6490	4980-8040	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Uranium-234	4990	4360	2040-5710	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Uranium-234	11.9	11.6	8.60-13.6	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Uranium-234	171	181	138-207	Acceptable

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ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Uranium-234	2160	2190	1540-2790	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Uranium-238	5320	4320	2370-5800	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Uranium-238	11.8	11.5	8.68-13.7	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Uranium-238	172	179	139-211	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Uranium-238	2110	2170	1530-2710	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Uranium-Total	10600	8880	4930-11500	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Uranium-Total	24.7	23.6	17.2-28.0	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Uranium-Total	353	368	287-420	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Uranium-Total	4400	4450	2840-6000	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Soil	pCi/kg	Zinc-65	6550	4920	3930-6710	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Filter	pCi/Filter	Zinc-65	86.2	77.2	63.3-118	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Water	pCi/L	Zinc-65	567	503	448-635	Acceptable
ERA	2nd/2024	5/21/2024	MRAD-40	Vegetation	pCi/kg	Zinc-65	1720	1510	1130-2240	Acceptable
ERA	2nd/2024	5/25/2024	RAD-137	Water	pCi/L	Iodine-131	20.4	25.1	21.7-28.5	Not Acceptable
ERA	2nd/2024	5/25/2024	RAD-137	Water	pCi/L	Radium-226	10.1	13.4	11.1-15.7	Not Acceptable
ERA	2nd/2024	5/25/2024	RAD-137	Water	pCi/L	Radium-228	5.58	6.24	4.17-8.31	Acceptable
ERA	2nd/2024	5/25/2024	RAD-137	Water	pCi/L	Strontium-90	35.3	37.6	32.0-43.2	Acceptable
ERA	2nd/2024	5/25/2024	RAD-137	Water	pCi/L	Strontium-90	31.3	37.6	32.0-43.2	Not Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Barium-133	40	38.2	25.2-51.2	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Cesium-134	14.6	18.9	7.81-30.0	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Cesium-137	66.8	57	32.9-81.1	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Cobalt-60	79.5	76.8	59.9-93.7	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Gross Alpha	11.4	13	7.94-18.1	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Gross Alpha	11.1	13	7.94-18.2	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Gross Beta	19.7	20.6	13.2-28.0	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Iodine-131	23.5	27.9	24.2-31.6	Not Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Radium-226	17.4	17.2	14.6-19.8	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Radium-228	5.57	4.63	2.88-6.38	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Radium-228	7.61	7.16	4.50-9.18	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Strontium-89	69.5	64.7	49.0-80.4	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Strontium-89	71.1	64.7	49.0-80.4	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Strontium-90	16.3	21.9	17.9-25.9	Not Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Strontium-90	16.6	21.9	17.9-25.10	Not Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Tritium	7470	7550	5870-9230	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Tritium	7080	7550	5870-9230	Acceptable

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ERA	3rd/2024	08/24/24	RAD-138	Water	µg/L	Uranium (mass)	48.1	53.6	47.3-59.9	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Uranium (Nat)	37	36.8	37.5-41.1	Acceptable
ERA	3rd/2024	08/24/24	RAD-138	Water	pCi/L	Zinc-65	327	312	253-371	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Actinium-228	1290	1150	759 - 1450	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Americium-241	1650	1110	599-1570	Not Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Americium-241	2730	2970	1840 - 4190	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Americium-241	30.6	29.1	20.8 - 38.8	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Americium-241	130	117	80.3 - 150	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Bismuth-212	1240	1120	321 - 1670	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Bismuth-214	651	617	296 - 918	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Cesium-134	1800	1810	1240 - 2160	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Cesium-134	2270	2460	1630 - 3270	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Cesium-134	571	581	377 - 712	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Cesium-134	2060	2190	1650 - 2410	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Cesium-137	1510	1370	1040 - 1730	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Cesium-137	912	889	683 - 1200	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Cesium-137	912	848	696 - 1110	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Cesium-137	1570	1550	1330 - 1760	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Cobalt-60	3750	4000	3150 - 4940	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Cobalt-60	1040	975	765 - 1270	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Cobalt-60	956	839	713 - 1070	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Cobalt-60	1120	1050	906 - 1200	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Curium-244	739	800	451 - 995	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Gross Alpha	83.9	72.4	37.8-119	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Gross Alpha	33.9	52.1	19.0 - 71.8	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Gross Beta	62.4	47.9	29.0 - 72.4	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Gross Beta	51.5	51.7	25.8 - 71.1	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Iron-55	963	800	292 - 1280	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Iron-55	1480	1230	723 - 1790	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Lead-212	1470	1160	809 - 1470	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Lead-214	783	652	274 - 1020	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Manganese-54	<32.3	<555	<555	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Manganese-54	<36.0	<207	<207	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Manganese-54	<5.51	<35.0	<35.0	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Manganese-54	<11.3	<71.0	<71.0	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Plutonium-238	1850	1860	928 - 2830	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Plutonium-238	2760	2750	1900 - 3550	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Plutonium-238	22.7	21.5	16.2 - 26.4	Acceptable

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ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Plutonium-238	63.7	103	61.9 - 133	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Plutonium-239	963	1030	561 - 1480	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Plutonium-239	3310	3450	2380 - 4370	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Plutonium-239	35.6	32.4	24.2 - 39.1	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Plutonium-239	79	133	82.3 - 164	Not Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Potassium-40	36700	35300	24300 - 42200	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Potassium-40	32100	28500	21400 - 36100	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Strontium-90	3190	4730	1470 - 7370	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Strontium-90	1310	1380	778 - 1800	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Strontium-90	111	105	66.4 - 143	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Strontium-90	276	277	199 - 342	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Thorium-234	3230	2840	1070 - 4860	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Tritium	16400	17600	13300 - 21400	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	µg/kg	Uranium (mass)	8090	8500	3840 - 11500	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	µg/kg	Uranium (mass)	7060	8500	3840 - 11500	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	µg/kg	Uranium (mass)	2750	2550	1960 - 3160	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	µg/Filter	Uranium (mass)	89.7	92.5	74.2 - 108	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	µg/Filter	Uranium (mass)	86.2	92.5	74.2 - 108	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	µg/L	Uranium (mass)	510	522	423 - 592	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	µg/L	Uranium (mass)	458	522	423 - 592	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Uranium-234	2700	2860	1340 - 3750	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Uranium-234	3250	2860	1340 - 3750	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Uranium-234	853	859	603 - 1100	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Uranium-234	30.5	31.1	23.1 - 36.4	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Uranium-234	34.6	31.1	23.1 - 36.4	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Uranium-234	168	176	134 - 201	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Uranium-234	191	176	134 - 201	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Uranium-238	2700	2840	1560 - 3810	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Uranium-238	2360	2840	1560 - 3810	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Uranium-238	914	852	602 - 1070	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Uranium-238	29.9	30.9	23.3 - 36.9	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Uranium-238	28.8	30.9	23.3 - 36.9	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Uranium-238	170	174	135 - 205	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Uranium-238	153	174	135 - 205	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Uranium-Total	5550	5830	3240 - 7540	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Uranium-Total	5718	5830	3240 - 7540	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Uranium-Total	1830	1750	1120 - 2360	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Uranium-Total	62	63.4	46.3 - 75.2	Acceptable

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Uranium-Total	64.72	63.4	46.3 - 75.2	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Uranium-Total	348	358	279 - 408	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Uranium-Total	351	358	279 - 408	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Soil	pCi/kg	Zinc-65	2980	2860	2280 - 3900	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Vegetation	pCi/kg	Zinc-65	2180	2000	1490 - 2970	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Filter	pCi/Filter	Zinc-65	274	239	196 - 365	Acceptable
ERA	4th/2024	11/18/24	MRAD-41	Water	pCi/L	Zinc-65	556	526	468 - 664	Acceptable
ERA	4th/2024	11/20/24	RAD-139	Water	pCi/L	Iodine-131	25.8	26.3	22.7-29.0	Acceptable
ERA	4th/2024	11/20/24	RAD-139	Water	pCi/L	Strontium-90	31.2	35.6	30.2-41.0	Acceptable
ERA	4th/2024	11/20/24	RAD-139	Water	pCi/L	Strontium-90	33.3	35.6	30.2-41.0	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cerium-141	3.79E+01	2.88E+01	1.32	Not Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cerium-141	5.15E+01	3.75E+01	1.37	Not Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cesium-134	1.75E+02	1.85E+02	0.94	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cesium-134	2.32E+02	2.42E+02	0.96	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cesium-137	1.85E+02	1.75E+02	1.05	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cesium-137	2.26E+02	2.29E+02	0.99	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Chromium-51	2.64E+02	2.24E+02	1.18	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Chromium-51	3.57E+02	2.91E+02	1.22	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cobalt-58	3.60E-01	NA	NA	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cobalt-58	-2.80E-01	NA	NA	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cobalt-60	3.26E+02	3.00E+02	1.09	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cobalt-60	4.10E+02	3.91E+02	1.05	Acceptable
EZA	2nd/2024	08/16/24	E14180	Cartridge	pCi	Iodine-131	8.75E+01	9.13E+01	0.96	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Iodine-131	1.07E+02	9.19E+01	1.16	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Iodine-131	2.40E+01	1.85E+01	1.29	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Iron-59	1.60E+02	1.33E+02	1.20	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Iron-59	2.09E+02	1.74E+02	1.20	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Manganese-54	1.74E+02	1.56E+02	1.11	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Manganese-54	2.22E+02	2.04E+02	1.09	Acceptable
EZA	2nd/2024	08/16/24	E14181	Milk	pCi/L	Strontium-89	7.51E+01	8.42E+01	0.89	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Strontium-90	9.92E+00	1.32E+01	0.75	Acceptable
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Zinc-65	7.74E+01	7.60E+01	1.02	Acceptable
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Zinc-65	1.21E+02	9.91E+01	1.22	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cerium-141	1.23E+02	1.24E+02	0.99	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cerium-141	1.32E+02	1.28E+02	1.03	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cesium-134	1.63E+02	1.87E+02	0.87	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cesium-134	1.72E+02	1.93E+02	0.89	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cesium-137	1.23E+02	1.27E+02	0.97	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cesium-137	1.33E+02	1.32E+02	1.01	Acceptable

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EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Chromium-51	2.78E+02	2.74E+02	1.01	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Chromium-51	2.81E+02	2.83E+02	0.99	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cobalt-58	1.58E+02	1.50E+02	1.06	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cobalt-58	1.58E+02	1.54E+02	1.02	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cobalt-60	2.41E+02	2.36E+02	1.02	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cobalt-60	2.48E+02	2.43E+02	1.02	Acceptable
EZA	3rd/2024	9/12/24	E14188	Cartridge	pCi	Iodine-131	9.71E+01	9.26E+01	1.05	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Iodine-131	8.34E+01	8.90E+01	0.94	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Iodine-131	1.01E+02	9.39E+01	1.08	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Iron-59	1.31E+02	1.13E+02	1.15	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Iron-59	1.32E+02	1.14E+02	1.13	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Manganese-54	1.60E+02	1.62E+02	0.99	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Manganese-54	1.84E+02	1.67E+02	1.10	Acceptable
EZA	3rd/2024	9/12/24	E14189	Milk	pCi/L	Strontium-89	9.38E+01	9.23E+01	1.02	Acceptable
EZA	3rd/2024	9/12/24	E14189	Milk	pCi/L	Strontium-90	1.19E+01	1.52E+01	0.78	Acceptable
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Zinc-65	3.00E+02	2.75E+02	1.09	Acceptable
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Zinc-65	3.25E+02	2.84E+02	1.14	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cerium-141	7.14E+01	7.16E+01	1	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cerium-141	9.90E+01	9.38E+01	1.06	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cesium-134	9.91E+01	1.11E+02	0.90	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cesium-134	1.37E+02	1.45E+02	0.94	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cesium-137	1.36E+02	1.38E+02	0.98	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cesium-137	1.87E+02	1.81E+02	1.03	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Chromium-51	2.07E+02	1.77E+02	1.17	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Chromium-51	2.76E+02	2.32E+02	1.19	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cobalt-58	9.20E+01	9.37E+01	0.98	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cobalt-58	1.32E+02	1.23E+02	1.07	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cobalt-60	2.12E+02	2.10E+02	1.01	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cobalt-60	3.01E+02	2.75E+02	1.09	Acceptable
EZA	4th/2024	2/3/25	E14192	Cartridge	pCi	Iodine-131	6.85E+01	6.50E+01	1.05	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Iodine-131	5.60E+01	5.10E+02	1.10	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Iodine-131	6.63E+01	6.73E+01	0.99	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Iron-59	1.12E+02	1.02E+02	1.10	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Iron-59	1.57E+02	1.34E+02	1.17	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Manganese-54	9.84E+01	9.95E+01	0.99	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Manganese-54	1.49E+02	1.30E+02	1.14	Acceptable
EZA	4th/2024	2/3/25	E14193	Milk	pCi/L	Strontium-89	6.22E+01	7.83E+01	0.79	Acceptable
EZA	4th/2024	2/3/25	E14193	Milk	pCi/L	Strontium-90	8.57E+00	1.13E+01	0.76	Acceptable
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Zinc-65	1.73E+02	1.49E+02	1.16	Acceptable
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Zinc-65	2.41E+02	1.95E+02	1.24	Acceptable

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MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Americium-241	0.872	1.07	Sens Eval	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Americium-241	0.00297		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Americium-241	0.0991	0.942	0.0659-0.1225	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Americium-241	0.129	0.131	0.092-0.170	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Cesium-134	634	693	485-901	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Cesium-134	10.1	11.3	7.9-14.7	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Cesium-134	1.54	1.6	1.12-2.08	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Cesium-134	4.65	4.98	3.49-6.47	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Cesium-137	2010	1810	1267-2353	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Cesium-137	9.09	8.7	6.1-11.3	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Cesium-137	0.0177		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Cesium-137	0.0079		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Cobalt-57	1240	1060	742-1378	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Cobalt-57	19.2	19.3	13.5-25.1	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Cobalt-57	1.7	1.63	1.14-2.12	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Cobalt-57	4.33	4.24	2.97-5.51	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Cobalt-60	889	898	629-1167	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Cobalt-60	0.0227		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Cobalt-60	0.0136		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Cobalt-60	2.89	2.79	1.95-3.63	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-GrF49	Filter	Bq/smpl	Gross Alpha	0.463	0.225	0.077-0.434	Not Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-GrV49	Water	Bq/L	Gross Alpha	1.44	1.59	0.48-2.70	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-GrF49	Filter	Bq/smpl	Gross Beta	1.45	1.49	0.75-2.24	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-GrV49	Water	Bq/L	Gross Beta	15.8	16.27	8.14-24.41	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Hydrogen-3	5.01		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Iron-55	1190	1280	896-1164	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Iron-55	34	41.1	28.8-53.4	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Manganese-54	0.0001		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Manganese-54	13.1	12.7	8.9-16.5	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Manganese-54	1.83	1.57	1.10-2.04	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Manganese-54	2.82	2.56	1.79-3.33	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Nickel-63	1520	1370	959-1781	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Nickel-63	0.842	1.11	Sens Eval	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Plutonium-238	1.36	0.48	Sens Eval	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Plutonium-238	0.69	0.726	0.508-0.944	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Plutonium-238	0.000523	0.00037	Sens Eval	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Plutonium-238	0.163	0.186	0.130-0.242	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Plutonium-239/240	90.4	101	71-131	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Plutonium-239/240	0.703	0.784	0.549-1.019	Acceptable

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MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Plutonium-239/240	0.0516	0.0505	0.0354-0.0657	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Plutonium-239/240	0.163	0.184	0.129-0.239	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Potassium-40	595	574	402-746	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Potassium-40	0.873		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Radium-226	0.813	0.65	0.455-0.845	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Strontium-90	613	554	388-720	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Strontium-90	9.52	7.31	5.12-9.50	Not Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Strontium-90	0.518	0.614	0.430-0.798	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Strontium-90	1.38	1.17	0.82-1.52	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Technetium-99	6.24		False pos. test	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Technetium-99	9.19	8.85	6.20-11.51	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Thorium 228	48.2	44.8	31.4-58.2	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Thorium 230	59.2	41.1	28.8-53.4	Not Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Thorium 232	46.4	45.5	31.9-59.2	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	U-234/233	59.6	59	41-77	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Uranium-234/233	0.68	0.67	0.47-0.87	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Uranium-234/233	0.0926	0.09	0.063-0.117	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Uranium-234/233	0.086	0.091	0.064-0.118	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	ug/smpl	Uranium-235	0.0562	0.0503	0.0352-0.0654	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Uranium-238	212	221	155-287	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Uranium-238	0.659	0.67	0.47-0.87	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	ug/smpl	Uranium-238	7.91	7.3	5.1-9.5	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Uranium-238	0.0909	0.091	0.064-0.118	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Uranium-238	0.0961	0.092	0.064-0.120	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	ug/smpl	Uranium-Total	7.9662	7.4	5.2-9.6	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaS49	Soil	Bq/Kg	Zinc-65	1300	1160	812-1508	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-MaW49	Water	Bq/L	Zinc-65	21.1	19.1	13.4-24.8	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	Filter	Bq/smpl	Zinc-65	2.34	1.89	1.32-2.46	Acceptable
MAPEP	4th/2023	1/10/2024	MAPEP-23-RdF49	veg	Bq/smpl	Zinc-65	0.0888		False pos. test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Americium-241	1.35		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Americium-241	-0.0117		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Americium-241	0.0911	0.0897	0.0628-0.1166	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Americium-241	0.00088		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Cesium-134	371	404	293-525	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Cesium-134	-0.00495		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Cesium-134	-0.0036		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Cesium-134	3.28	3.67	2.57-4.77	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Cesium-137	1690	1550	1085-2015	Acceptable

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MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Cesium-137	10.6	9.7	6.8-12.6	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Cesium-137	1.51	1.48	1.04-1.92	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Cesium-137	2.82	2.57	1.80-3.34	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Cobalt-57	474	401	281-521	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Cobalt-57	25.5	25.4	17.8-33.0	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Cobalt-57	0.801	0.819	0.573-1.065	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Cobalt-57	2.64	2.53	1.77-3.29	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Cobalt-60	665	660	462-858	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Cobalt-60	10.5	10.27	7.19-13.35	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Cobalt-60	1.62	1.64	1.15-2.13	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Cobalt-60	3.14	2.96	2.07-3.85	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-GrF50	Filter	Bq/smpl	Gross Alpha	2.77	1.24	0.37-2.11	Not Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-GrW50	Water	Bq/L	Gross Alpha	0.897	1.01	0.30-1.72	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-GrF50	Filter	Bq/smpl	Gross Beta	1.84	1.81	0.91-2.72	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-GrW50	Water	Bq/L	Gross Beta	5.01	5.57	2.79-8.36	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Hydrogen-3	574	637	446-828	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Iron-55	921	650	455-845	Not Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Iron-55	15	19.7	13.8-25.6	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Manganese-54	368	332	232-432	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Manganese-54	7.87	7.36	5.15-9.57	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Manganese-54	0.575	0.555	0.389-0.722	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Manganese-54	0.0188		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Nickel-63	1130	1530	1071-1989	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Nickel-63	1.03	0.8	Sens. Eval.	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Plutonium-238	35.7	34.7	24.3-45.1	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Plutonium-238	0.731	0.745	0.522-0.969	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Plutonium-238	0.123	0.114	0.080-0.148	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Plutonium-238	0.0363	0.0413	0.0302-0.0560	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Plutonium-239/240	1.29	0.37	Sens. Eval.	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Plutonium-239/240	0.714	0.769	0.538-1.000	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Plutonium-239/240	0.0976	0.0936	0.0655-0.1217	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Plutonium-239/240	0.0397	0.431	0.0302-0.0560	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Potassium-40	538	485	340-631	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Potassium-40	-0.229		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Radium-226	0.321	0.31	0.217-0.403	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Strontium-90	352	440	308-572	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Strontium-90	3.41	3.68	2.58-4.78	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Strontium-90	1.69	1.56	1.09-2.03	Acceptable

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MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Strontium-90	0.391	0.529	0.370-0.688	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Technetium-99	283	336	235-437	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Technetium-99	5.96	7.47	5.23-9.71	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Thorium 228	47.8	48.8	34.2-63.4	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Thorium 230	48	54	38-70	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Thorium 232	42.9	45.1	31.6-58.6	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Uranium-234/233	36.8	40.7	28.5-52.9	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Uranium-234/233	0.943	0.99	0.693-1.287	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Uranium-234/233	0.134	0.125	0.088-0.163	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Uranium-234/233	0.0709	0.067	0.047-0.087	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	ug/smpl	Uranium-235	0.0739	0.0743	0.0520-0.0966	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Uranium-238	107	110	77-143	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Uranium-238	1.02	1.028	0.720-1.336	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	ug/smpl	Uranium-238	10.1	10.4	7.3-13.5	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Uranium-238	0.136	0.13	0.091-0.169	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Uranium-238	0.077	0.07	0.049-0.091	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	ug/smpl	Uranium-Total	10.1739	10.5	7.4-13.7	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaS50	Soil	Bq/Kg	Zinc-65	799	703	492-914	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-MaW50	Water	Bq/L	Zinc-65	-0.079		False Pos. Test	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdF50	Filter	Bq/smpl	Zinc-65	0.394	0.332	Sens. Eval.	Acceptable
MAPEP	2nd/2024	7/18/2024	MAPEP-23-RdV50	Veg	Bq/smpl	Zinc-65	8.69	8.02	5.61-10.43	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Americium-241	2.42	0.26	Sens. Eval.	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Americium-241	0.352	0.363	0.254-0.472	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Americium-241	0.0258	0.0211	0.0148-0.0274	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Americium-241	0.0907	0.087	0.061-0.113	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Cesium-134	375	417	292-542	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Cesium-134	19.5	22.3	15.6-29.0	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Cesium-134	0.279	0.344	0.234-0.434	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Cesium-134	2.67	2.89	2.02-3.76	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Cesium-137	1790	1650	155-2145	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Cesium-137	-0.0164		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Cesium-137	0.335	0.269	0.188-0.350	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Cesium-137	1.93	1.91	1.34-2.48	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Cobalt-57	399	330	231-429	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Cobalt-57	25.1	26.4	18.5-34.3	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Cobalt-57	0.0109		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Cobalt-57	0.00378		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Cobalt-60	699	700	490-910	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Cobalt-60	15.1	15	10.5-19.5	Acceptable

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MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Cobalt-60	0.394	0.361	0.253-0.469	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Cobalt-60	2.06	2.01	1.41-2.61	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-GrF51	Filter	Bq/smpl	Gross Alpha	1.2	1.2	0.36-2.04	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-GrW51	Water	Bq/L	Gross Alpha	1.07	1.29	0.39-2.19	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-GrF51	Filter	Bq/smpl	Gross Beta	0.761	0.644	0.322-0.966	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-GrW51	Water	Bq/L	Gross Beta	4.78	5.09	2.55-7.64	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Hydrogen-3	350	374	262-486	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Iron-55	873	780	546-1014	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Iron-55	46.1	48.1	33.7-62.5	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Iron-59	62.4	57.5	40.3-74.8	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Manganese-54	125	113	79-147	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Manganese-54	0.0424		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Manganese-54	-0.0194		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Manganese-54	3.73	3.73	2.47-4.59	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Nickel-63	1130	1450	1015-1885	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Nickel-63	-1.31		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Plutonium-238	17	17.8	12.5-23.1	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Plutonium-238	0.377	0.439	0.307-0.571	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Plutonium-238	0.0152	0.0157	0.011-0.0204	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Plutonium-238	0.0363	0.0363	0.0258-0.0478	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Plutonium-239/240	49.6	50	35.0-65.0	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Plutonium-239/240	0.405	0.437	0.306-0.568	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Plutonium-239/240	0.0206	0.0215	0.0151-0.0280	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Plutonium-239/240	0.0341	0.0356	0.0249-0.0463	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Potassium-40	562	525	368-683	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Potassium-40	-0.241		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Radium-226	0.475	0.36	0.252-0.468	Not Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Strontium-90	388	487	341-633	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Strontium-90	11.1	11.2	7.8-14.6	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Strontium-90	0.865	0.91	0.64-1.18	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Strontium-90	2.46	2.39	1.67-3.11	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Technetium-99	204	171	120-222	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Technetium-99	10.6	11.2	7.8-14.6	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Thorium 228	45.4	43.3	30.3-56.3	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Thorium 230	43.3	44	30.8-57.2	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Thorium 232	41.9	42.6	29.8-55.4	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Uranium-234/233	46.1	50	35.0-65.0	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Uranium-234/233	0.333	0.38	0.266-0.494	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Uranium-234/233	0.093	0.093	0.065-0.121	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Uranium-234/233	0.0644	0.066	0.0462-0.0858	Acceptable

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	ug/smpl	Uranium-235	0.0601	0.056	0.039-0.073	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Uranium-238	150	165	116-215	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Uranium-238	0.339	0.385	0.270-0.501	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	ug/smpl	Uranium-238	8.25	7.8	5.5-10.1	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Uranium-238	0.0967	0.096	0.067-0.125	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Uranium-238	0.673	0.0685	0.0480-0.0891	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	ug/smpl	Uranium-Total	8.31	7.8	5.5-10.1	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaS51	Soil	Bq/Kg	Zinc-65	476	415	291-540	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-MaW51	Water	Bq/L	Zinc-65	24.5	22.8	16.0-29.6	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdF51	Filter	Bq/smpl	Zinc-65	0.0686		False Pos. Test	Acceptable
MAPEP	4th/2024	12/17/24	MAPEP-24-RdV51	Veg	Bq/smpl	Zinc-65	10.1	9.13	6.39-11.87	Acceptable

Table 6.1-2
2024 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	2nd/2024	08/16/24	E14180	Cartridge	pCi	Iodine-131	8.75E+01	9.13E+01
EZA	2nd/2024	08/16/24	E14181	Milk	pCi/L	Strontium-89	7.51E+01	8.42E+01
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Strontium-90	9.92E+00	1.32E+01
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cerium-141	3.79E+01	2.88E+01
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cobalt-58	3.60E-01	NA
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cobalt-60	3.26E+02	3.00E+02
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Chromium-51	2.64E+02	2.24E+02
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cesium-134	1.75E+02	1.85E+02
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Cesium-137	1.85E+02	1.75E+02
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Iron-59	1.60E+02	1.33E+02
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Iodine-131	1.07E+02	9.19E+01
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Manganese-54	1.74E+02	1.56E+02
EZA	2nd/2024	08/16/24	E14182	Milk	pCi/L	Zinc-65	7.74E+01	7.60E+01
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cerium-141	5.15E+01	3.75E+01
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cobalt-58	-2.80E-01	NA
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cobalt-60	4.10E+02	3.91E+02
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Chromium-51	3.57E+02	2.91E+02
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cesium-134	2.32E+02	2.42E+02
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Cesium-137	2.26E+02	2.29E+02
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Iron-59	2.09E+02	1.74E+02
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Iodine-131	2.40E+01	1.85E+01
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Manganese-54	2.22E+02	2.04E+02
EZA	2nd/2024	08/16/24	E14183	Water	pCi/L	Zinc-65	1.21E+02	9.91E+01
EZA	3rd/2024	9/12/24	E14188	Cartridge	pCi	Iodine-131	9.71E+01	9.26E+01
EZA	3rd/2024	9/12/24	E14189	Milk	pCi/L	Strontium-89	9.38E+01	9.23E+01
EZA	3rd/2024	9/12/24	E14189	Milk	pCi/L	Strontium-90	1.19E+01	1.52E+01
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cerium-141	1.23E+02	1.24E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cobalt-58	1.58E+02	1.50E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cobalt-60	2.41E+02	2.36E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Chromium-51	2.78E+02	2.74E+02

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cesium-134	1.63E+02	1.87E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Cesium-137	1.23E+02	1.27E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Iron-59	1.31E+02	1.13E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Iodine-131	8.34E+01	8.90E+01
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Manganese-54	1.60E+02	1.62E+02
EZA	3rd/2024	9/12/24	E14190	Milk	pCi/L	Zinc-65	3.00E+02	2.75E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cerium-141	1.32E+02	1.28E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cobalt-58	1.58E+02	1.54E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cobalt-60	2.48E+02	2.43E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Chromium-51	2.81E+02	2.83E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cesium-134	1.72E+02	1.93E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Cesium-137	1.33E+02	1.32E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Iron-59	1.32E+02	1.14E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Iodine-131	1.01E+02	9.39E+01
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Manganese-54	1.84E+02	1.67E+02
EZA	3rd/2024	9/12/24	E14191	Water	pCi/L	Zinc-65	3.25E+02	2.84E+02
EZA	4th/2024	2/3/25	E14192	Cartridge	pCi	Iodine-131	6.85E+01	6.50E+01
EZA	4th/2024	2/3/25	E14193	Milk	pCi/L	Strontium-89	6.22E+01	7.83E+01
EZA	4th/2024	2/3/25	E14193	Milk	pCi/L	Strontium-90	8.57E+00	1.13E+01
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cerium-141	7.14E+01	7.16E+01
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cobalt-58	9.20E+01	9.37E+01
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cobalt-60	2.12E+02	2.10E+02
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Chromium-51	2.07E+02	1.77E+02
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cesium-134	9.91E+01	1.11E+02
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Cesium-137	1.36E+02	1.38E+02
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Iron-59	1.12E+02	1.02E+02
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Iodine-131	5.60E+01	5.10E+02
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Manganese-54	9.84E+01	9.95E+01
EZA	4th/2024	2/3/25	E14194	Milk	pCi/L	Zinc-65	1.73E+02	1.49E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cerium-141	9.90E+01	9.38E+01
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cobalt-58	1.32E+02	1.23E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cobalt-60	3.01E+02	2.75E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Chromium-51	2.76E+02	2.32E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cesium-134	1.37E+02	1.45E+02

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Cesium-137	1.87E+02	1.81E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Iron-59	1.57E+02	1.34E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Iodine-131	6.63E+01	6.73E+01
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Manganese-54	1.49E+02	1.30E+02
EZA	4th/2024	2/3/25	E14195	Water	pCi/L	Zinc-65	2.41E+02	1.95E+02

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

2024 REMP	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LIQUID				
Tritium	478	1	632	0
Iodine-131	0	0	166	0
FILTER				
Gross A & B	930	14	643	0
LIQUID				
Gas Flow Total Strontium	42	0	50	0
DRINKING WATER				
Gross Alpha Non Vol Beta	160	2	171	0
LIQUID				
Gross Alpha Non Vol Beta	77	0	199	0
MILK				
Gamma Spec Liquid RAD A-013 with Ba, La	63	0	196	0
Gamma Iodine-131	18	0	184	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	596	7	872	0
VEGETATION				
Gamma Spec Solid RAD A-013 with Iodine	120	6	157	0
FILTER				
Gamma Spec Filter	64	0	129	0
DRINKING WATER				
Tritium	71	0	75	0
TISSUE				
Gamma Spec Solid RAD A-013	65	3	72	0
MILK				
Gas Flow Total Strontium	23	1	24	0
LIQUID				
Gamma Spec Liquid RAD A-013 with Ba, La	148	6	368	0
AIR CHARCOAL				
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	56	0	56	0
LIQUID				
Gas Flow Sr 2nd count	29	0	34	1
MILK				
Gas Flow Sr 2nd count	82	1	95	1

2024 REMP	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
DRINKING WATER				
Gamma Spec Liquid RAD A-013 with Ba, La	76	0	117	0
LIQUID				
Gamma Spec Liquid RAD A-013 with Iodine	55	0	194	0
SOLID				
Gas Flow Sr 2nd count	10	0	18	0
DRINKING WATER				
Iodine-131	0	0	59	0
Gas Flow Sr 2nd count	7	0	4	0
LIQUID				
LSC Iron-55	34	0	43	0
SOLID				
Gamma Spec Solid RAD A-013	18	1	19	0
Gamma Spec Solid RAD A-013 with Iodine	33	3	54	0
TISSUE				
Gas Flow Sr 2nd count	17	0	19	0
LIQUID				
LSC Nickel 63	31	0	37	0
DRINKING WATER				
Gamma Iodine-131	48	0	43	0
FILTER				
Gas Flow Sr 2nd Count	7	0	9	0
DRINKING WATER				
Gas Flow Total Strontium	44	0	40	0
LSC Iron-55	32	0	23	0
LSC Nickel 63	31	0	25	0
SOLID				
Gas Flow Total Strontium	7	0	7	0
VEGETATION				
Gamma Spec Solid RAD A-013	14	0	14	0
SOLID				
LSC Iron-55	7	0	7	0
LSC Nickel 63	7	0	7	0
TISSUE				
Gas Flow Total Strontium	8	0	8	0
VEGETATION				
Gas Flow Sr 2nd count	10	0	10	0

2024 REMP	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
TISSUE				
Gamma Spec Solid RAD A-013 with Iodine	7	1	10	0
LIQUID				
Gamma Spec Liquid RAD A-013	5	0	5	0
MILK				
Gamma Spec Liquid RAD A-013 with Iodine	0	0	2	0
FILTER				
Carbon-14 (Soda Lime)	0	0	10	0
LIQUID				
Gamma Iodine-131	0	0	3	0
DRINKING WATER				
Gamma Spec Liquid RAD A-013 with Iodine	0	0	14	0
SOLID				
Carbon-14	3	0	3	0
FILTER				
Gamma Iodine 131 RAD A-013	6	0	6	0
SOLID				
Tritium	2	0	2	0
TOTAL	3541		4935	

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 Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LIQUID				
Plutonium	261	1	327	3
FILTER				
Carbon-14 (Soda Lime)	0	0	12	0
LIQUID				
ICP-MS Uranium-233, 234 Prep in Liquid	39	0	61	0
SOLID				
LSC Promethium 147	107	0	121	0
FILTER				
Alpha Spec Am243	58	4	125	0
SOLID				
Technetium-99	1270	13	1481	8
FILTER				
LSC Plutonium 241 Filter per Liter	0	0	80	1
ICP-MS Uranium-235, 236, 238 in Filter	37	0	125	1
TISSUE				
Alpha Spec Plutonium	64	1	93	0
FILTER				
Gross A & B (Americium Calibration) Liquid	206	6	283	0
VEGETATION				
Gas Flow Strontium 90	88	1	103	0
LIQUID				
LSC Sulfur 35	31	0	31	0
FILTER				
Gas Flow Sr-90	3	0	116	0
MILK				
Technetium-99	2	0	2	0
FILTER				
Gas Flow Total Radium	0	1	11	0
LIQUID				
ICP-MS Technetium-99 in Water	33	0	81	4
FILTER				
Alpha Spec Polonium	0	0	50	0
MILK				
Alpha Spec Uranium	2	0	2	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
FILTER				
Gross Alpha/Beta	1	1	2	0
TISSUE				
Gas Flow Total Strontium	8	0	8	0
SOLID				
Gas Flow Total Radium	8	0	8	0
Alpha Spec Neptunium (pCi/Sample)	36	1	36	0
DRINKING WATER				
Gas Flow Sr 2nd count	7	0	4	0
LIQUID				
Iodine-131	9	0	15	2
DRINKING WATER				
Iodine-131	0	0	33	12
VEGETATION				
Gas Flow Strontium 90	5	1	4	0
TISSUE				
Gross Alpha/Beta	5	1	6	0
FILTER				
LSC Phosphorus-32	2	0	1	1
SOLID				
Carbon-14 by Pyrolysis	2	0	2	0
LSC Chlorine-36 in Solids	0	0	1	0
DRINKING WATER				
Gas Flow Strontium 90	1	0	1	0
MILK				
Alpha Spec Neptunium	2	0	2	0
LIQUID				
Alpha Spec Plutonium	794	11	981	0
SOLID				
Alpha Spec Plutonium	1330	14	1439	1
Alpha Spec Am241 Curium	1250	15	1359	0
FILTER				
Gamma Iodine-129	0	0	196	0
SOLID				
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	371	0	383	0
FILTER				
Tritium	302	0	682	0
MILK				

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Sr 2nd count	82	1	95	1
LIQUID				
Alpha Spec Radium 226	79	0	52	0
FILTER				
Gamma Spec Filter	251	14	316	0
Alpha Spec Plutonium	164	8	335	0
Alpha Spec Thorium	4	0	117	0
SOLID				
Tritium	55	1	62	0
TISSUE				
Lucas Cell Radium 226	2	0	2	0
FILTER				
Alpha Spec Radium 226	12	0	39	0
DRINKING WATER				
Tritium in Drinking Water by EPA 906.0	215	0	217	14
SOLID				
ICP-MS Uranium-235, 236, 238 in Solid	412	21	390	12
LSC Selenium 79	137	3	170	0
FILTER				
Gas Flow Sr 2nd Count	20	2	115	0
LSC Iron-55	1	1	18	0
VEGETATION				
Alpha Spec Plutonium	53	0	40	0
SOLID				
Gross Alpha Beta Soil Leach	75	0	75	0
LIQUID				
Gamma Nickel 59 RAD A-022	88	0	107	0
AIR CHARCOAL				
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	56	0	56	0
FILTER				
ICP-MS Tc-99 Prep in Filter	0	0	13	0
TISSUE				
Alpha Spec Uranium	57	2	74	0
FILTER				
GFC Chlorine-36 in Filters	3	1	29	0
MILK				
LSC Sulfur 35	8	0	8	0
SOLID				
Technetium-99	34	0	37	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LIQUID				
Gas Flow Strontium 89 & 90	11	0	10	3
Alpha Spec Actinium	2	0	2	0
DRINKING WATER				
Alpha Spec Uranium	10	1	11	0
MILK				
Carbon-14	12	0	12	0
SOLID				
Radium 226 + 228 Sum (Result only)	4	0	8	0
TISSUE				
Gas Flow Total Radium	2	0	2	0
SOLID				
ICP-MS Uranium-233, 234 Prep in Liquid	0	0	2	0
ICP-MS Uranium-233, 234 in Liquid	0	0	2	0
FILTER				
Carbon-14 by Pyrolysis	1	1	2	0
LIQUID				
Gamma Iodine-131	0	0	3	0
TISSUE				
Gamma Nickel 59 RAD A-022	1	0	1	0
Gamma Iodine-129	1	0	1	0
Carbon-14	1	0	1	0
DRINKING WATER				
ICP-MS Uranium-238 Prep in Liquid	1	0	1	0
FILTER				
Alphaspec Pu Filter per Liter	12	0	97	0
SOLID				
Alpha Spec Thorium	1697	99	1852	0
LIQUID				
Alpha Spec Am241 Curium	763	5	886	0
AIR CHARCOAL				
Gamma Spec Filter RAD A-013	70	34	96	0
SOLID				
Gas Flow Strontium 90	1219	19	1289	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	784	36	770	1
FILTER				
ICP-MS Uranium-233, 234 Prep in Filter	26	0	101	0
Gross Alpha/Beta	52	1	215	0
LIQUID				

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Total U RAD A-011	66	1	57	0
SOLID				
Gamma Nickel 59 RAD A-022	534	9	569	2
DRINKING WATER				
Gamma Spec Liquid RAD A-013 with Ba, La	76	0	117	0
LIQUID				
Gamma Spec Liquid RAD A-013 with Iodine	166	27	327	0
LSC, Rapid Strontium 89 and 90	26	1	31	0
LSC Radon 222	51	2	51	0
TISSUE				
Alpha Spec Plutonium	6	0	6	0
FILTER				
Nickel-63	0	0	46	0
Tritium	243	0	312	0
ICP-MS Uranium-235, 236, 238 Prep in Filter	32	0	110	0
SOLID				
ICP-MS Uranium-235, 236, 238 Prep in Solid	357	0	366	0
FILTER				
Alpha Spec Neptunium	175	0	360	0
SOLID				
Alpha Spec Uranium	92	14	109	2
DRINKING WATER				
Gamma Spec Drinking Water RAD A-013	80	0	123	37
VEGETATION				
Alpha Spec Thorium	14	1	15	0
TISSUE				
Gas Flow Strontium 90	81	1	97	0
Alpha Spec Am241 Curium	38	0	64	0
FILTER				
Carbon-14	42	0	82	0
Direct Count-Gross Alpha/Beta	471	28	32	0
DRINKING WATER				
LSC Nickel 63	31	0	25	0
Gas Flow Total Alpha Radium	74	2	75	1
SOLID				
Alpha Spec Plutonium	32	1	33	0
FILTER				
Gas Flow Pb-210	0	0	55	0
TISSUE				

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Neptunium	21	0	19	0
SOLID				
Alpha Spec Total Uranium	9	4	13	0
VEGETATION				
Gamma Spec Solid RAD A-013 with Iodine	120	6	157	0
LIQUID				
Gross Alpha Co-precipitation	5	0	72	1
FILTER				
LSC Promethium 147	8	0	8	0
Alpha Spec Polonium,(Filter/Liter)	0	0	27	0
GFC Chlorine-36 in Filters PL	0	0	7	0
LIQUID				
Chlorine-36 in Liquids	22	0	22	0
FILTER				
Gross Alpha/Beta	0	0	4	0
DRINKING WATER				
Gamma Iodine-129	6	0	6	0
Gas Flow Strontium 89 & 90	3	0	26	25
LIQUID				
LSC Phosphorus-32	2	0	2	0
SOLID				
ICP-MS Technetium-99 Prep in Soil	8	0	4	0
ICP-MS Technetium-99 in Soil	8	0	4	0
Gross Alpha/Beta (Americium Calibration) Solid	11	0	11	0
VEGETATION				
Alpha Spec Plutonium	0	0	4	0
AIR CHARCOAL				
Alpha Spec Uranium	1	0	1	0
VEGETATION				
Alpha Spec Neptunium	6	0	3	0
Alpha Spec Uranium	0	0	1	0
LIQUID				
Gamma Spec Liquid RAD A-013	1623	30	1708	0
FILTER				
Alpha Spec Am241Curium	182	6	586	0
Alpha Spec Plutonium	72	0	400	0
Alpha Spec Thorium	115	1	319	0
SOLID				
Gas Flow Radium 228	318	9	333	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
FILTER				
Alphaspec Am241 Curium Filter per Liter	2	0	143	0
SOLID				
Alpha Spec Uranium	1691	155	1874	1
LSC Iron-55	413	0	428	0
Gross Alpha/Beta	1105	69	1258	4
FILTER				
Gamma Nickel 59 RAD A-022	151	4	289	2
LSC Iron-55	135	1	186	0
SOLID				
Alpha Spec Plutonium	542	14	583	0
Alpha Spec Neptunium	1132	2	1212	6
LIQUID				
Alpha/Beta (Americium Calibration) Drinking Water	65	2	67	0
SOLID				
Gamma Spec Solid RAD A-013	3745	467	4291	2
FILTER				
LSC, Rapid Strontium 89 and 90	183	1	231	0
LIQUID				
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	162	0	151	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	321	0	315	3
FILTER				
Alpha Spec Californium FPL	0	0	26	0
LIQUID				
Gamma Iodine-129	380	4	416	0
TISSUE				
Tritium	57	0	54	0
SOLID				
Alpha Spec Radium 226	148	3	165	1
ICP-MS Uranium-233, 234 in Solid	325	4	332	0
FILTER				
Lucas Cell Ra-226	0	0	97	0
LSC Nickel 63	36	0	62	0
Alpha Spec Uranium	23	0	57	0
SOLID				
GFC Chlorine-36 in Solids	103	1	124	0
Alpha Spec Am241 (pCi/Sample)	36	0	36	0
Alpha Spec Thorium	32	1	33	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
TISSUE				
Technetium-99	34	0	34	0
LIQUID				
Alpha Spec Am243	73	2	113	0
FILTER				
Technetium-99	0	0	77	0
LIQUID				
Chlorine-36 in Liquids	24	0	44	0
AIR CHARCOAL				
Gamma Spec Filter	2	0	2	0
SOLID				
LSC Sulfur 35	7	0	7	0
MILK				
Gamma Spec Liquid RAD A-013 with Iodine	3	2	7	0
VEGETATION				
Carbon-14	23	1	25	0
DRINKING WATER				
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	49	0	37	0
MILK				
Tritium	3	0	8	0
Alpha Spec Am241 Curium	2	0	2	0
FILTER				
Gamma Iodine 131 RAD A-013	6	0	6	0
MILK				
Gamma Iodine-129	16	0	16	0
SOLID				
Gross Alpha/Beta - Direct Count of Puck	0	0	4	0
Tritium by Pyrolysis	7	2	9	0
VEGETATION				
Gas Flow Total Radium	4	1	5	0
AIR CHARCOAL				
Technetium-99	0	0	1	0
TISSUE				
Gas Flow Lead 210	1	0	1	0
LSC Nickel 63	1	0	1	0
VEGETATION				
Technetium-99	7	0	4	0
LIQUID				
Gross Alpha Non Vol Beta	2251	92	3121	4

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
SOLID				
Alpha Spec Polonium Solid	41	0	48	0
LIQUID				
Gas Flow Strontium 90	1163	23	1508	3
VEGETATION				
Gamma Spec Solid RAD A-013	96	2	83	0
SOLID				
Tritium	999	12	1185	13
FILTER				
LSC Plutonium Filter	192	2	364	3
LIQUID				
Tritium	3318	6	3451	9
Alpha Spec Neptunium	505	2	642	1
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	596	7	872	0
LIQUID				
Gross Alpha Beta (Americium Calibration) Liquid	69	2	226	0
FILTER				
LSC Nickel 63	186	1	265	2
Gross A & B	1019	19	860	0
LIQUID				
Gas Flow Sr 2nd count	172	3	345	4
Gas Flow Total Radium	728	21	842	3
Gamma Spec Liquid RAD A-013 with Ba, La	148	6	372	0
FILTER				
Gamma Iodine 129	62	0	58	0
MILK				
Gamma Iodine 131 RAD A-013	0	0	105	0
FILTER				
Gamma Spec Charcoal	42	0	42	0
SOLID				
Gas Flow Lead 210	231	2	231	0
DRINKING WATER				
LSC Radon 222	106	1	110	0
TISSUE				
Alpha Spec Uranium	5	0	5	0
LIQUID				
Gas Flow Strontium 90	48	0	76	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
VEGETATION				
Alpha Spec Uranium	75	4	70	0
SOLID				
Alpha Spec Am243	341	14	377	0
FILTER				
Lucas Cell Radium-226	0	0	21	0
LIQUID				
LSC Promethium 147	102	5	112	4
SOLID				
Alpha Spec Polonium Solid	35	4	39	0
LIQUID				
Alpha Spec Plutonium	83	6	119	0
MILK				
Gamma Spec Liquid RAD A-013	11	0	132	0
FILTER				
Alphaspec Np Filter per Liter	0	0	46	0
DRINKING WATER				
Gas Flow Total Strontium	44	0	40	0
LIQUID				
ICP-MS Technetium-99 Prep in Water	34	0	90	0
FILTER				
Alpha Spec Radium,Filter/Liter	0	0	27	0
LIQUID				
Lucas Cell Radium-226	28	1	27	0
MILK				
Alpha Spec Plutonium	2	0	2	0
FILTER				
Gross Alpha Beta (Flame, Unflame)	0	0	17	0
LSC Selenium 79	1	0	28	0
SOLID				
Gross Alpha/Beta (Am/Cs Calibration) Solid	4	0	4	0
LIQUID				
Pyrolysis Oil Liquid units	1	1	2	0
VEGETATION				
Gas Flow Lead 210	5	0	5	0
DRINKING WATER				
ICP-MS Uranium-238 in Liquid	1	0	1	0
SOLID				
Gross Alpha Non Vol Beta	1	0	1	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Phosphorus-32	6	0	6	0
LIQUID				
Alpha Spec Thorium	614	4	807	0
SOLID				
Gamma Iodine-129	325	1	447	0
LIQUID				
LSC Iron-55	234	0	416	0
SOLID				
Gas Flow Sr 2nd count	86	1	102	1
FILTER				
ICP-MS Uranium-233, 234 in Filter	26	0	91	0
SOLID				
Lucas Cell Radium 226	468	20	507	1
Gamma Spec Ra226 RAD A-013	65	5	66	0
FILTER				
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	4	0	80	0
DRINKING WATER				
Gross Alpha Non Vol Beta	756	13	798	37
SOLID				
Carbon-14	802	12	987	0
LIQUID				
Gas Flow Lead 210	97	2	136	0
SOLID				
ICP-MS Uranium-233, 234 Prep in Solid	361	0	369	0
TISSUE				
Gamma Spec Solid RAD A-013	196	10	214	0
VEGETATION				
Gross Alpha/Beta	39	2	40	0
DRINKING WATER				
LSC Iron-55	32	0	23	0
Alpha/Beta (Americium Calibration) Drinking Water	25	1	26	0
Gamma Iodine-131	48	0	43	0
LIQUID				
LSC Selenium 79	139	1	142	0
SOLID				
Gas Flow Total Strontium	198	2	228	1
Gamma Spec Solid RAD A-013 with Iodine	33	3	54	0
FILTER				

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Radium 228	5	0	16	0
LIQUID				
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	9	0	53	0
DRINKING WATER				
Iodine-131	0	0	59	0
TISSUE				
Gamma Spec Solid RAD A-013 with Iodine	7	1	10	0
LIQUID				
Tritium in Drinking Water by EPA 906.0	30	0	34	4
Alpha Spec Polonium	4	0	4	0
SOLID				
Gross Alpha Beta (F,U)	14	0	14	0
FILTER				
Total Activity in Filter,	0	0	6	0
VEGETATION				
Alpha Spec Am241 (pCi/Sample)	0	0	4	0
DRINKING WATER				
Alpha Spec Neptunium	2	0	2	0
VEGETATION				
Alpha Spec Am241 Curium	23	0	24	0
FILTER				
LSC Sulfur 35	2	0	2	0
TISSUE				
Alpha Spec Thorium	5	0	5	0
SOLID				
ICP-MS Uranium-235, 236, 238 Prep in Liquid	0	0	4	0
FILTER				
Tritium by Pyrolysis	1	1	2	0
VEGETATION				
Tritium	5	0	5	0
TISSUE				
Gas Flow Radium 228	2	0	2	0
LIQUID				
Alpha Spec Polonium	42	2	44	1
SOLID				
LSC Nickel 63	736	5	761	10
AIR CHARCOAL				
Gamma Iodine-129	53	1	54	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LIQUID				
Carbon-14	529	3	642	1
ICP-MS Uranium-233, 234 in Liquid	37	0	57	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	54	0	77	0
ICP-MS Uranium-235, 236, 238 in Liquid	71	0	106	5
FILTER				
Gas Flow Strontium 90	59	2	350	0
LIQUID				
Gas Flow Radium 228	1531	59	2015	5
FILTER				
Gas Flow Lead 210	15	0	36	0
LIQUID				
Gross Alpha Beta (Flame, Unflame)	696	17	754	0
DRINKING WATER				
Lucas Cell Radium-226	365	0	386	1
SOLID				
LSC, Rapid Strontium 89 and 90	147	3	150	0
DRINKING WATER				
Tritium	79	0	82	0
LIQUID				
Iodine-131	0	0	170	0
FILTER				
ICP-MS Uranium-234, 235, 236, 238 in Filter	8	0	145	0
DRINKING WATER				
Gas Flow Radium 228	410	3	470	26
LIQUID				
Radium 226 + 228 Sum (Result and TPU only)	35	0	98	0
VEGETATION				
Tritium	54	0	55	0
FILTER				
Technetium-99	7	0	462	2
SOLID				
Gamma Spec Solid RAD A-013 (pCi/Sample)	26	6	32	0
Total Activity,	37	0	37	0
FILTER				
Gas Flow Ra-228	3	0	55	0
TISSUE				

Total Radiological 2024	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	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	4	0	4	0
DRINKING WATER				
Gas Flow Strontium 90	141	0	167	27
SOLID				
Gas Flow Strontium 90	34	2	36	0
FILTER				
Gas Flow Total Strontium	10	0	16	0
LIQUID				
Gamma Spec Drinking Water RAD A-013	10	0	9	1
Gas Flow Radium 228	33	0	29	1
MILK				
Gas Flow Total Strontium	23	1	24	0
VEGETATION				
Gas Flow Sr 2nd count	10	0	10	0
FILTER				
Filter Prep	10	0	0	0
LIQUID				
Gamma Spec Solid RAD A-013	6	0	6	0
Gross Alpha/Beta	0	0	4	0
DRINKING WATER				
Alpha Spec Thorium	4	0	20	0
LIQUID				
Gamma Iodine 131 RAD A-013	0	0	4	0
TISSUE				
LSC Plutonium	1	0	1	0
FILTER				
Alpha Spec Uranium	171	8	447	0
LIQUID				
Alpha Spec Uranium	1337	99	1697	1
FILTER				
Alpha Spec U	17	0	205	0
LIQUID				
Technetium-99	1816	7	1806	2
FILTER				
Gamma Spec Filter RAD A-013	763	112	1022	0
LIQUID				
LSC Nickel 63	374	4	537	3

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Total Strontium	387	11	442	0
Lucas Cell Radium 226	1068	29	1319	1
SOLID				
LSC Plutonium	697	6	798	10
MILK				
Gamma Iodine-131	18	0	184	0
FILTER				
Carbon-14	15	0	281	0
MILK				
Gamma Spec Liquid RAD A-013 with Ba, La	63	0	196	0
FILTER				
Gamma Spec Filter RAD A-013 Direct Count	5	0	25	0
SOLID				
Tritium	54	0	46	0
LIQUID				
LSC Calcium 45	27	0	44	0
Gas Flow Total Alpha Radium	32	1	35	0
FILTER				
ICP-MS Tc-99 in Filter	0	0	9	0
SOLID				
ICP-MS U-234, 235, 236, 238 Prep per sample	59	0	57	0
TISSUE				
Gas Flow Sr 2nd count	17	0	19	0
VEGETATION				
Gamma Iodine-129	14	0	15	0
FILTER				
Carbon-14 Direct Count	0	0	11	0
LIQUID				
Total Activity,	13	0	21	0
DRINKING WATER				
Gamma Spec Liquid RAD A-013 with Iodine	0	0	14	0
Gamma Spec Liquid RAD A-013	6	0	6	0
FILTER				
Gamma I-131, filter	5	0	5	0
Alpha Spec Plutonium	18	0	18	0
MILK				
Gas Flow Strontium 90	16	0	22	0
VEGETATION				
Gamma Spec Solid RAD A-013 (pCi/Sample)	4	0	4	0

Total Radiological 2024	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LIQUID				
Direct Tritium	0	0	4	0
VEGETATION				
Alpha Spec Uranium	0	0	4	0
DRINKING WATER				
Alpha Spec Am241 Curium	2	0	2	0
Alpha Spec Plutonium	2	0	2	0
SOLID				
ICP-MS Uranium-235, 236, 238 in Liquid	0	0	1	1
FILTER				
Gross Alpha Beta (Americium Calibration) Liquid	1	0	0	0
VEGETATION				
Alpha Spec Plutonium	0	0	1	0
TOTAL	58778		74098	

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
2024 CORRECTIVE ACTION REPORT SUMMARY

CORRECTIVE ACTION & PE FAILURE					DISPOSITION
Summary of MAPEP-51 Study Unacceptable Ratings					Containment Actions, if any: Following receipt of the PT report, the Quality Department initiated an investigation and formed a Corrective Action (CARR) team with representatives from the affected laboratories. The team reviewed sample preparation, reagents, calibration records, and conducted analyst interviews. The findings of the investigation confirmed that the laboratory adhered to all quality control criteria and followed internal procedures and policies as required. These failures were documented and tracked through GEL's internal non-conformance system, ensuring a systematic approach to addressing and resolving issues.
Sample ID	Parm	Reported Value	Reference Value	Acceptance Range	
MAPEP-24-MaW51	Cadmium	-0.00396	NA	False Positive	Root Cause(s): Inorganics (Cd): The industry standard for metals data reporting does not incorporate an associated measurement uncertainty. The interpretation of a negative analytical result utilizes the absolute value of the result compared to the analyte's Limit of Quantitation (LOQ). Using this approach, the reported value is not considered excessively negative for reporting purposes. Radium-226: The data for this analysis has been reviewed and no anomalies were noted. The review of the sample prep and analysis process did not reveal any gross errors or possible contributors to the result. It is possible that an unknown systematic error must have occurred during the procedure resulting in the high bias.
MAPEP-24-MaW51	Radium-226	0.475 Bq/L	0.360 Bq/L	0.252 - 0.468 Bq/L	

Summary of MRAD-41 Drinking Water Study Unacceptable Ratings

Sample ID	Parm	Reported Value	Reference Value	Acceptance Range
MRAD Soil	Americium-241	1650 pCi/kg	1110 pCi/kg	599-1570 pCi/kg
MRAD Water	Plutonium-239	79.0 pCi/L	133 pCi/L	82.3-164 pCi/L

Containment Actions, if any:

Following receipt of the Proficiency Testing (PT) report, the Quality Department initiated an investigation and formed a Corrective Action (CARR) team with representatives from the affected laboratories. The team reviewed sample preparation, reagents, calibration records, and conducted analyst interviews.

The findings of the investigation confirmed that the laboratory adhered to all quality control criteria and followed internal procedures and policies as required. These failures were documented and tracked through GEL's internal non-conformance system, ensuring a systematic approach to addressing and resolving issues.

Root Cause(s):

Am-241: The laboratory conducted a review of the data and did not identify any specific errors or anomalies that could identify the performance evaluation failure. The soil sample was reanalyzed for Am and the reanalysis result was within the acceptance range.

Pu-239: The laboratory has reviewed the data and found no errors. All batch QC samples, including an in-batch duplicate, met the acceptance criteria. Due to the Am and U analytes being isotopically separated from the same aliquot and were within the acceptance limits, a dilution error is not suspected. Since all other matrices analyzed for Pu are well within acceptance limits and utilize the same tracer solution, a tracer issue is also not suspected. The laboratory reanalyzed the water sample for Pu and the reanalysis is consistent with the originally reported results.

Summary of RAD-138 Drinking Water Study Unacceptable Ratings					Containment Actions, if any:
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	
Strontium 89/90	Sr-90 (905.0) Sr-90 (905.0 Mod)	16.3 pCi/L 16.6 pCi/L	21.9 pCi/L	17.9-25.9 pCi/L	Following receipt of the Proficiency Testing (PT) report, the Quality Department initiated an investigation and formed a Corrective Action (CARR) team with representatives from the affected laboratories. The team reviewed sample preparation, reagents, calibration records, and conducted analyst interviews. The findings of the investigation confirmed that the laboratory adhered to all quality control criteria and followed internal procedures and policies as required. These failures were documented and tracked through GEL's internal non-conformance system, ensuring a systematic approach to addressing and resolving issues.
Iodine-131	I-131	23.5 pCi/L	27.9 pCi/L	24.2-31.6 pCi/L	
					Root Cause(s): Sr-90: The laboratory conducted an in-depth review of all available data and did not identify any specific errors or anomalies that could explain the performance evaluation failure. The instrument calibrations were reviewed for possible significant areas of variance when compared to previous calibrations and none were noted. The Quality department conducted direct observations of the analytical processes noting minor areas of improvement during precipitations and column separations. A definitive root cause was not isolated during the investigation. I-131: The laboratory has reviewed the data and found no errors. All batch QC samples, including an in-batch duplicate, met the acceptance criteria. As part of the investigation, the Quality department observed the preparation process. During the review, it was identified that a reagent may have been improperly diluted, potentially contributing to the low bias observed in the results. This procedural discrepancy has been noted as a probable cause requiring corrective action.

Summary of ANA2Q24 Study Unacceptable Ratings					Containment Actions, if any: Following receipt of the PT report, the Quality Department initiated an investigation and formed a Corrective Action (CARR) team with representatives from the affected laboratories. The team reviewed sample preparation, reagents, calibration records, and conducted analyst interviews. The findings of the investigation confirmed that the laboratory adhered to all quality control criteria and followed internal procedures and policies as required. These failures were documented and tracked through GEL's internal non-conformance system, ensuring a systematic approach to addressing and resolving issues.
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	
E14182 (milk)	Cerium-141	37.9 pCi/L	28.8 pCi/L	1.32	
E14183 (Liquid)	Cerium-141	51.5 pCi/L	37.5 pCi/L	1.37	
					Root Cause(s): The data was reviewed and no errors were found. Historical performance evaluation results do not indicate a high bias for this parameter. It was noted that the PT sample was spiked lower than historical trends, indicating a possible bias in the lower end of the calibration.

Summary of MAPEP-50 Study Unacceptable Ratings					Containment Actions, if any: Following receipt of the PT report, the Quality Department initiated an investigation and formed a Corrective Action (CARR) team with representatives from the affected laboratories. The team reviewed sample preparation, reagents, calibration records, and conducted analyst interviews. The findings of the investigation confirmed that the laboratory adhered to all quality control criteria and followed internal procedures and policies as required. These failures were documented and tracked through GEL's internal non-conformance system, ensuring a systematic approach to addressing and resolving issues.
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	
MAPEP-24-GrF50	Gross alpha	2.77 Bq/sample	1.24 Bq/sample	0.37-2.11 Bq/sample	
MAPEP-24-MaS50	Iron-55	921 Bq/kg	650 Bq/kg	455-845 Bq/kg	
MAPEP-24-MaSU50	U-238 U total Am-241 U-234	3.08 ng/L 3.35 ng/L 0.190 Bq/L 0.00257 Bq/L	False positive False Positive 0.278 Bq/L False Positive	N/A N/A 0.195-0.361 Bq/L N/A	
MAPEP-24-MaW50	Nickel	0.00618 mg/L	False Positive	N/A	
MAPEP-24-MaS50	Antimony Thallium	4.74 mg/kg 1.79 mg/kg	8.4 mg/kg 2.85 mg/kg	5.9-10.9 mg/kg 2.00-3.71 mg/kg	
					Root Cause(s): MAPEP-24-GrF50 (GA): During the review of the laboratory processes, it was noted that the laboratory had not prepared a MAPEP specific filter calibration with recent media. A new calibration was completed, and the current sample recounted recovering at 94% of the known. MAPEP-24-MaS50 (Fe-55): The laboratory initially reprep'd this sample due to a duplication error. The original analysis result met acceptance criteria. When evaluating the counting process, it was noted that the samples were quenched with the laboratory's standard volume of 30uL of colorant. This analysis is particularly sensitive to over quenching which can contribute to a high bias. The laboratory has evaluated traced backgrounds with less volume of quench colorant to determine an acceptable level for this analysis and calibration. MAPEP-24-MaSU50 (Urine): The uranium by ICPMS results were reviewed and confirmed that the blank media was used for blank correction. It was found that the results were less than MDA but did not meet the less than three times the uncertainty criteria for False Positive evaluations. The Am-241 results were reviewed. It was noted that the reported count was the verification count of the initial result and has a tracer recovery of 116%. The initial count has a tracer recovery of 93% and the result meets acceptance range. The reported result is 85% of the expected value. The positive detection of U-234 was reviewed. The count room analyst suspects that there was an

	interference from Neptunium in the spectra. The sample was then sent back to the lab for additional clean-up steps. This process removed a significant amount of the interference. The laboratory is working on this procedure to increase the effectiveness of Np removal during the initial separation to prevent a clean-up being needed. MAPEP-24-MAaW50 (metals): The known value for Nickel is 1.33 ug/L, which is less than the laboratory's PQL by 6010. All instrument and batch QC were within limits including a duplicate in the analysis batch. Due to the duplicate meeting replication criteria, the laboratory suspects the presence of an unidentified interferant contributing to the false positive. MAPEP-24-MaSS50 (metals): For Antimony, the laboratory reviewed the analysis data and noted that there were no calibration or instrument QC issues. It was also noted that the initial analysis run had results within the acceptance range. This run was not reported due to failing PQL in calibration. The duplicate from the second run was also within range and met replication with the reported sample result. For Thallium, the reference value was 2.85 mg/kg, just above the laboratory's PQL of 2 mg/kg which can be challenging to interpret due to the uncertainty of method 6010. The Thallium results by method 6020 were within range and this is the more frequent method of analysis for Thallium.
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CORRECTIVE ACTION & PE FAILURE					DISPOSITION
Summary of RAD-137 Drinking Water Study Unacceptable Ratings					Containment Actions, if any:
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	Upon receipt of the PT report, an investigation was initiated by the Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected laboratories. The sample preparation and chemical separation processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, and spectral data review. The investigation determined that the laboratory met all quality control criteria specified in each method.
Naturals	Ra-226	10.1 pCi/L	13.4 pCi/L	11.1-15.7 pCi/L	
Strontium 89/90	Sr-90	31.3 pCi/L	37.6 pCi/L	32.0-43.2 pCi/L	
Iodine-131	I-131	20.4 pCi/L	25.1 pCi/L	21.7-28.5 pCi/L	
					Root Cause(s): Ra-226: The laboratory has reviewed the data. It was noted that the in batch duplicate result met acceptance criteria for replication and was within the acceptance range of the PT recovering at 87%. In addition, the LCS recovered at 99%. The laboratory suspects sample loss at an indeterminate point in the process due to the acceptable batch QC. Sr-90: The unacceptable result was analyzed by a modified method of 905.0 and recovered 83% of the known value which is acceptable for the laboratory's LCS. The PT sample was also analyzed by EPA DW method 905.0 and achieved an acceptable result recovering 94% of the assigned value. The RPD between the methods was 12%. The laboratory is evaluating calibration, yield determination, techniques, reagents, carriers, and each step of the process for areas of improvement. I-131: The laboratory has reviewed the data and no errors were noted. All batch QC samples, including an in-batch duplicate, met acceptance criteria. It was noted that the carrier yields were found to be slightly higher than are typically seen in this method including the reference sample used to calculate the LCS, potentially contributing to the low bias in the result.

CORRECTIVE ACTION & PE FAILURE					DISPOSITION
Summary of MRAD-40 Study Unacceptable Ratings					Containment Actions, if any: Upon receipt of the PT report, an investigation was initiated by the Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected laboratories. The sample preparation and chemical separation processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, and data review. The investigation determined that the laboratory met all quality control criteria specified in each method.
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	
MRAD Soil	Uranium-234 (by ICP-MS)	6090 pCi/kg	4360 pCi/kg	2040-5710 pCi/kg	
MRAD Air Filter	Uranium-234 Total Uranium (by ICP-MS)	16.7 pCi/F 29.6 pCi/F	11.6 pCi/F 23.6 pCi/F	8.60-13.6 pCi/F 17.2-28.0 pCi/F	
MRAD Air Filter GAB	Gross Beta	33.7 pCi/F	22.2 pCi/F	13.5-33.5 pCi/F	
MRAD Water	Strontium-90 Uranium-234 (by ICP-MS)	397 pCi/L 216 pCi/L	316 pCi/L 181 pCi/L	228-391 pCi/L 138-207 pCi/L	
					Root Cause(s): Gross Beta: The laboratory reviewed the data and counting process for this sample and no errors were noted. The filter sample was counted again, and the result was within the acceptance criteria of the PT. Strontium-90: The laboratory has reviewed the data, and no errors were found. The sample was replicated in the analysis batch and the duplicate result was within the acceptance range for the PT. The duplicate met replication criteria within the batch. A sample of known activity was prepared using the same processes as the PT sample and the result recovered at 102% of the known value. The laboratory reweighed the original sample preparation of the PT sample and recounted to confirm the result. The recount result was within the acceptance range of the PT criteria. Uranium-234: The laboratory reviewed the data and noted that the LCS recoveries for the batches were > than 100% ranging from 112-118%. The CCV sample associated with each matrix batch met acceptance criteria. The sample preparations were not available for recount. Each matrix preparation was analyzed on different days utilizing different calibrations. It is suspected that the calibration solution may have introduced bias, and this could not be confirmed due to the solution being consumed.

CORRECTIVE ACTION & PE FAILURE					DISPOSITION
Summary of RAD-136 Drinking Water Study Unacceptable Ratings					Containment Actions, if any: Upon receipt of the PT report, an investigation was initiated by the Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected laboratories. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, and interviews with the analysts. The investigation determined that the laboratory met all quality control criteria specified in the method. Additionally, all internal procedures and policies were performed as required. These failures were tracked through GEL's internal non-conformance system.
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	
Naturals	Radium-226	10.3 pCi/L	18.2 pCi/L	15.5-20.9 pCi/L	Root Cause(s): Radium-226: The laboratory reviewed the data of the original analysis, and it was noted that the original preparation of the sample resulted in a value that was within limits. The sample was retransferred to confirm the result. A review of the sample preparation processes, and data set did not reveal any gross errors or possible contributors to the low bias. It is possible that an unknown systematic error must have occurred during the transfer steps of the procedure resulting in the low bias. Radium-228: The sample was prepared in a batch which included a duplicate sample. The duplicate result was within limits of the study and compared to the sample results with an RPD of 21% and an RER 0.7103. No other issues were noted in the review of the data. Strontium-90: The Group Leader has reviewed the method to identify the bias. The method LCS trend was reviewed for the method and no anomalies were identified. The calibration used for the analysis was compared to the new calibration performed recently and the original reported data was processed with both calibrations for comparison. Data still maintained a high bias but was within the limits of the study. A sample of known Strontium concentration was analyzed, and the result processed using the new calibration. The result was within the mid-range of the acceptance limits. Instrument run logs were reviewed and there was no indication of possible bias from a previously counted sample. Iodine-131: The laboratory has reviewed the data and found no errors. All batch QC samples, including a duplicate, met acceptance criteria. The carrier yields were found to be slightly higher than typically seen in this method, possibly contributing to the low bias in the result. The laboratory will continue to investigate all steps of the analytical process.
Naturals	Radium-228	6.74 pCi/L	4.43 pCi/L	2.72-6.14 pCi/L	
Sr-89/90	Sr-90 (905.0)	49.8 pCi/L	43.1 pCi/L	36.9-49.3 pCi/L	
	Sr-90 (905.0 Mod)	51.3 pCi/L	43.1 pCi/L	36.9-49.3 pCi/L	
Iodine	Iodine-131	16.1 pCi/L	26.3 pCi/L	22.7-29.9 pCi/L	

CORRECTIVE ACTION & PE FAILURE					DISPOSITION
Summary of MAPEP-49 Study Unacceptable Ratings					Containment Actions, if any: Upon receipt of the PT report, an investigation was initiated by the Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected laboratories. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, and interviews with the analysts. The investigation determined that the laboratory met all quality control criteria specified in the method. Additionally, all internal procedures and policies were performed as required. These failures were tracked through GEL's internal non-conformance system.
Sample ID	Parameter	Reported Value	Reference Value	Acceptance Range	
MAPEP-23-GrF49	Gross Alpha	0.463 Bq/S	0.255 Bq/S	0.077-0.434 Bq/S	Root Cause(s): MAPEP-23-GrF49 (GA): The laboratory has reviewed the data and found that the blank filter media provided with the spiked blank sample was not used for blank correction. When the blank correction was applied the gross alpha result was within the acceptance limits of the study. MAPEP-23-MaS49 (Th-230): The laboratory has reviewed the data, and no errors were found. The Th analysis batch contained duplicate samples that met RER replication criteria. Due to the Th-228 and Th-232 reported in this study being within acceptance limits, it is possible that the high bias in the Th-230 result is due to peak tailing from the Th-229 tracer ROI. MAPEP-23-MaW49 (Sr-90): The data for the Sr-90 analysis was reviewed and no anomalies were noted. The QC in the analysis batch met acceptance criteria. The laboratory evaluated both the prep and instrument processes for possible areas of contamination that contributed to the positive bias. A definitive source was not determined.
MAPEP-23-MaS49	Th-230	59.5 Bq/kg	41.1 Bq/kg	0.077-0.434 Bq/S	
MAPEP-23-MaW49	Sr-90	9.52 Bq/L	7.31 Bq/L	0.077-0.434 Bq/S	

6.2 Environmental TLD QA

Environmental dosimetry services for the reporting period of January – December 2024 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 tests performed by EDC clients. In-house tests 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: $\pm 15\%$ for bias and $\pm 12.8\%$ 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 2024 ^{(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 2024 ⁽¹⁾, ⁽²⁾**

Process Date	Exposure Level	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
5/05/2024	37	-0.3	2.2	Pass
5/08/2024	51	2.2	1.5	Pass
5/15/2024	83	2.5	2.2	Pass
7/30/2024	27	1.1	1.8	Pass
8/06/2024	63	6.6	1.2	Pass
9/25/2024	95	-3.1	1.8	Pass
10/24/2024	42	4.9	2.6	Pass
10/30/2024	73	6.8	1.6	Pass
11/27/2024	107	-6.7	1.6	Pass
01/20/2025	32	1.9	1.0	Pass
01/26/2025	47	2.8	1.5	Pass
01/29/2025	117	2.6	2.1	Pass

⁽¹⁾ This table summarizes results of tests conducted by EDC for TLDs issued in 2024.

⁽²⁾ Environmental dosimeter results are free in air.

TABLE 6.2-3

**SUMMARY OF INDEPENDENT DOSIMETER TESTING
JANUARY – DECEMBER 2024 ⁽¹⁾, ⁽²⁾**

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
1st Qtr. 2024	Millstone	-0.1	0.2	Pass
2nd Qtr. 2024	Seabrook	1.7	2.8	Pass
2nd Qtr. 2024	Millstone	-4.3	0.9	Pass
3rd Qtr. 2024	SONGS	-9.7	1.4	Pass
3rd Qtr. 2024	Millstone	-1.4	2.5	Pass
4th Qtr. 2024	Millstone	1.5	1.4	Pass
4th Qtr. 2024	Seabrook	3.8	1.5	Pass

⁽¹⁾ Performance criterion is +/- 15%.

⁽²⁾ Blind spike irradiations using Cs-137

TABLE 6.2-4

**SUMMARY OF INDEPENDENT BLIND DUPLICATE DOSIMETER TESTING
JANUARY – DECEMBER 2024 ⁽¹⁾**

Issuance Period	Client	Number Tested	Mean Bias %	Standard Deviation %	% Passed Precision Criteria
1 st Qtr. 2024	Seabrook	12	4.6	4.4	Pass
2 nd Qtr.2024	Seabrook	6	0.7	8.6	Pass
3 rd Qtr. 2024	Seabrook	12	1.8	2.1	Pass
4 th Qtr.2024	Seabrook	6	-0.1	2.7	Pass

⁽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 2024 census was completed in accordance with the requirements of the ODCM. In 2024, 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 2024 Land Use Census and their distances are shown in Table 7.0-1. There was one change in the nearest residence locations from last year's land use census in the southwest sector. There were three sectors (ESE, SE and SSE) with changes in the nearest garden locations from last year's land use census.

There were no new milk producing locations identified within the required 5 miles (8 km) of the plant that were different from those reported in the last year's land use census. 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 2024, 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

2024 Land Use Census Results
(Within 5 Miles)

Sector	Nearest Residence (km)	Nearest Garden (km)	Nearest Milk Animal (km)
N	2.78	3.99	
NNE	3.05	3.32	
NE	2.94	4.17	
ENE	2.33	2.53	
E	2.56	-----	
ESE	2.44	3.12	
SE	2.39	-----	
SSE	1.66	6.52	
S	1.21	1.40	
SSW	1.12	1.22	
SW	1.13	1.73	
WSW	1.88	2.61	
W	1.25	1.55	
WNW	1.11	3.08	
NW	1.22	2.18	6.93
NNW	1.04	2.07	5.32 ^a

^a No milking goats at this time.

ATTACHMENT 1: Sample Analysis Data List for 2024

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.
- M: Reported result is less than the LLD and greater than the MDC.
- DL: Measured MDC is greater than the LLD.

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	668983001	05/21/2024	Ac-228	6.42E+01	3.05E+01	9.84E+01	U
AL	05	668983001	05/21/2024	Ag-108m	1.21E+00	4.51E+00	1.37E+01	U
AL	05	668983001	05/21/2024	Ag-110m	6.49E-01	7.43E+00	2.51E+01	U
AL	05	668983001	05/21/2024	Ba-140	9.93E+00	2.82E+01	8.76E+01	U
AL	05	668983001	05/21/2024	Be-7	9.03E+01	5.10E+01	1.68E+02	U
AL	05	668983001	05/21/2024	Ce-141	-1.39E+01	8.62E+00	2.27E+01	U
AL	05	668983001	05/21/2024	Ce-144	-2.16E+01	2.54E+01	7.85E+01	U
AL	05	668983001	05/21/2024	Co-57	2.43E+00	3.23E+00	1.08E+01	U
AL	05	668983001	05/21/2024	Co-58	-1.13E+01	7.34E+00	1.74E+01	U
AL	05	668983001	05/21/2024	Co-60	9.92E+00	6.04E+00	2.02E+01	U
AL	05	668983001	05/21/2024	Cr-51	2.59E+01	4.07E+01	1.41E+02	U
AL	05	668983001	05/21/2024	Cs-134	-3.76E+00	6.37E+00	2.05E+01	U
AL	05	668983001	05/21/2024	Cs-137	7.16E+00	5.97E+00	1.99E+01	U
AL	05	668983001	05/21/2024	Fe-59	-2.11E+00	1.42E+01	4.61E+01	U
AL	05	668983001	05/21/2024	I-131	-3.73E+00	7.80E+00	2.55E+01	U
AL	05	668983001	05/21/2024	K-40	9.74E+03	5.97E+02	1.65E+02	
AL	05	668983001	05/21/2024	La-140	-5.83E+00	1.03E+01	2.71E+01	U
AL	05	668983001	05/21/2024	Mn-54	7.02E+00	6.01E+00	2.09E+01	U
AL	05	668983001	05/21/2024	Nb-95	-1.14E+00	5.17E+00	1.52E+01	U
AL	05	668983001	05/21/2024	Ru-103	-5.04E+00	5.44E+00	1.64E+01	U
AL	05	668983001	05/21/2024	Ru-106	0.00E+00	7.56E+01	1.39E+02	U
AL	05	668983001	05/21/2024	Sb-124	-2.04E+00	1.20E+01	3.90E+01	U
AL	05	668983001	05/21/2024	Sb-125	-7.28E+00	1.27E+01	4.06E+01	U
AL	05	668983001	05/21/2024	Se-75	4.64E+00	6.41E+00	2.04E+01	U
AL	05	668983001	05/21/2024	Th-228	1.76E+01	1.53E+01	3.24E+01	U
AL	05	668983001	05/21/2024	Th-230	-1.63E+01	1.20E+01	3.35E+01	U
AL	05	668983001	05/21/2024	Zn-65	-5.30E+00	1.48E+01	4.74E+01	U
AL	05	668983001	05/21/2024	Zr-95	-5.49E+00	1.09E+01	3.19E+01	U
AL	05	697961001	11/20/2024	Ac-228	4.24E+01	2.65E+01	4.77E+01	U
AL	05	697961001	11/20/2024	Ag-108m	-1.58E+00	2.41E+00	6.95E+00	U
AL	05	697961001	11/20/2024	Ag-110m	1.08E-01	3.91E+00	1.25E+01	U
AL	05	697961001	11/20/2024	Ba-140	1.16E+00	1.81E+01	5.96E+01	U
AL	05	697961001	11/20/2024	Be-7	0.00E+00	5.77E+01	7.35E+01	U
AL	05	697961001	11/20/2024	Ce-141	-9.52E+00	5.20E+00	1.43E+01	U
AL	05	697961001	11/20/2024	Ce-144	1.16E+01	1.52E+01	4.87E+01	U
AL	05	697961001	11/20/2024	Co-57	-1.76E+00	1.94E+00	5.97E+00	U
AL	05	697961001	11/20/2024	Co-58	6.97E-01	2.96E+00	9.57E+00	U
AL	05	697961001	11/20/2024	Co-60	1.84E-01	3.22E+00	1.07E+01	U
AL	05	697961001	11/20/2024	Cr-51	1.77E+01	2.57E+01	8.74E+01	U
AL	05	697961001	11/20/2024	Cs-134	8.33E-01	3.07E+00	9.95E+00	U
AL	05	697961001	11/20/2024	Cs-137	9.63E+00	3.70E+00	1.05E+01	U
AL	05	697961001	11/20/2024	Fe-59	4.84E+00	7.11E+00	2.42E+01	U
AL	05	697961001	11/20/2024	I-131	1.25E-01	7.56E+00	2.29E+01	U
AL	05	697961001	11/20/2024	K-40	8.48E+03	4.73E+02	7.96E+01	
AL	05	697961001	11/20/2024	La-140	-9.15E+00	5.89E+00	1.60E+01	U
AL	05	697961001	11/20/2024	Mn-54	-2.21E+00	2.77E+00	8.44E+00	U
AL	05	697961001	11/20/2024	Nb-95	3.59E+00	3.32E+00	1.07E+01	U
AL	05	697961001	11/20/2024	Ru-103	1.90E+00	3.05E+00	9.18E+00	U
AL	05	697961001	11/20/2024	Ru-106	-1.84E+01	2.46E+01	7.73E+01	U
AL	05	697961001	11/20/2024	Sb-124	9.01E+00	6.14E+00	1.93E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	697961001	11/20/2024	Sb-125	1.88E+00	7.13E+00	2.15E+01	U
AL	05	697961001	11/20/2024	Se-75	-4.31E+00	3.29E+00	1.04E+01	U
AL	05	697961001	11/20/2024	Th-228	7.55E+00	8.37E+00	1.47E+01	U
AL	05	697961001	11/20/2024	Th-230	4.06E+00	1.42E+01	2.12E+01	U
AL	05	697961001	11/20/2024	Zn-65	-4.41E+00	6.69E+00	2.18E+01	U
AL	05	697961001	11/20/2024	Zr-95	-2.27E-01	5.33E+00	1.71E+01	U
AL	55	668983002	05/21/2024	Ac-228	1.37E+01	3.07E+01	8.68E+01	U
AL	55	668983002	05/21/2024	Ag-108m	-5.18E+00	4.70E+00	1.41E+01	U
AL	55	668983002	05/21/2024	Ag-110m	-4.52E+00	7.32E+00	2.34E+01	U
AL	55	668983002	05/21/2024	Ba-140	4.13E+01	3.08E+01	1.04E+02	U
AL	55	668983002	05/21/2024	Be-7	3.75E+01	4.60E+01	1.56E+02	U
AL	55	668983002	05/21/2024	Ce-141	1.82E+00	7.83E+00	2.52E+01	U
AL	55	668983002	05/21/2024	Ce-144	-3.43E+01	3.06E+01	8.99E+01	U
AL	55	668983002	05/21/2024	Co-57	9.27E-01	3.54E+00	1.15E+01	U
AL	55	668983002	05/21/2024	Co-58	2.09E+00	5.84E+00	1.91E+01	U
AL	55	668983002	05/21/2024	Co-60	5.53E+00	6.64E+00	2.31E+01	U
AL	55	668983002	05/21/2024	Cr-51	-3.24E+01	4.24E+01	1.36E+02	U
AL	55	668983002	05/21/2024	Cs-134	2.01E+00	6.23E+00	2.03E+01	U
AL	55	668983002	05/21/2024	Cs-137	-1.72E+00	5.65E+00	1.78E+01	U
AL	55	668983002	05/21/2024	Fe-59	-1.18E+01	1.28E+01	3.83E+01	U
AL	55	668983002	05/21/2024	I-131	1.52E+01	9.40E+00	3.17E+01	U
AL	55	668983002	05/21/2024	K-40	7.62E+03	5.05E+02	2.33E+02	U
AL	55	668983002	05/21/2024	La-140	-1.10E+01	9.57E+00	2.48E+01	U
AL	55	668983002	05/21/2024	Mn-54	-3.68E+00	6.48E+00	1.68E+01	U
AL	55	668983002	05/21/2024	Nb-95	-5.99E+00	5.67E+00	1.58E+01	U
AL	55	668983002	05/21/2024	Ru-103	1.86E+00	5.74E+00	1.92E+01	U
AL	55	668983002	05/21/2024	Ru-106	-7.89E+01	6.77E+01	1.51E+02	U
AL	55	668983002	05/21/2024	Sb-124	1.16E+01	1.52E+01	5.27E+01	U
AL	55	668983002	05/21/2024	Sb-125	-2.75E+00	1.36E+01	4.45E+01	U
AL	55	668983002	05/21/2024	Se-75	-6.25E+00	6.03E+00	1.91E+01	U
AL	55	668983002	05/21/2024	Th-228	-1.06E+01	1.24E+01	3.96E+01	U
AL	55	668983002	05/21/2024	Th-230	-1.36E+01	1.45E+01	4.03E+01	U
AL	55	668983002	05/21/2024	Zn-65	-2.45E+01	1.41E+01	3.59E+01	U
AL	55	668983002	05/21/2024	Zr-95	1.92E+01	1.05E+01	3.53E+01	U
AL	55	698620001	12/02/2024	Ac-228	7.24E+01	6.47E+01	9.56E+01	U
AL	55	698620001	12/02/2024	Ag-108m	-8.25E+00	4.39E+00	1.11E+01	U
AL	55	698620001	12/02/2024	Ag-110m	9.69E+00	8.71E+00	2.11E+01	U
AL	55	698620001	12/02/2024	Ba-140	-2.32E+01	2.35E+01	6.86E+01	U
AL	55	698620001	12/02/2024	Be-7	3.21E+02	8.20E+01	1.06E+02	U
AL	55	698620001	12/02/2024	Ce-141	5.01E+00	6.89E+00	2.27E+01	U
AL	55	698620001	12/02/2024	Ce-144	6.43E+00	2.50E+01	8.17E+01	U
AL	55	698620001	12/02/2024	Co-57	1.34E+00	3.17E+00	1.05E+01	U
AL	55	698620001	12/02/2024	Co-58	-2.73E+00	5.40E+00	1.40E+01	U
AL	55	698620001	12/02/2024	Co-60	-1.43E+00	5.12E+00	1.62E+01	U
AL	55	698620001	12/02/2024	Cr-51	9.23E+00	3.74E+01	1.29E+02	U
AL	55	698620001	12/02/2024	Cs-134	-2.72E+00	5.89E+00	1.78E+01	U
AL	55	698620001	12/02/2024	Cs-137	5.16E+00	5.63E+00	1.91E+01	U
AL	55	698620001	12/02/2024	Fe-59	-2.15E+01	1.37E+01	3.60E+01	U
AL	55	698620001	12/02/2024	I-131	6.68E+00	8.23E+00	2.86E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	55	698620001	12/02/2024	K-40	6.16E+03	4.10E+02	1.09E+02	
AL	55	698620001	12/02/2024	La-140	9.40E+00	7.38E+00	2.79E+01	U
AL	55	698620001	12/02/2024	Mn-54	4.46E+00	4.92E+00	1.67E+01	U
AL	55	698620001	12/02/2024	Nb-95	3.54E+00	5.91E+00	1.30E+01	U
AL	55	698620001	12/02/2024	Ru-103	3.08E+00	5.13E+00	1.75E+01	U
AL	55	698620001	12/02/2024	Ru-106	0.00E+00	9.77E+01	1.23E+02	U
AL	55	698620001	12/02/2024	Sb-124	-5.02E+00	1.01E+01	2.90E+01	U
AL	55	698620001	12/02/2024	Sb-125	-2.39E+00	1.08E+01	3.53E+01	U
AL	55	698620001	12/02/2024	Se-75	-3.05E+00	5.38E+00	1.78E+01	U
AL	55	698620001	12/02/2024	Th-228	3.99E+01	1.26E+01	2.41E+01	
AL	55	698620001	12/02/2024	Th-230	9.45E+00	1.20E+01	4.15E+01	U
AL	55	698620001	12/02/2024	Zn-65	-6.78E+00	1.26E+01	3.97E+01	U
AL	55	698620001	12/02/2024	Zr-95	1.41E+00	8.26E+00	2.69E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	01	651716001	01/10/2024	BETA	1.49E-02	7.89E-04	7.34E-04	
AP	01	653020001	01/22/2024	BETA	3.23E-02	1.29E-03	9.12E-04	
AP	01	654242001	02/02/2024	BETA	1.63E-02	1.00E-03	1.04E-03	
AP	01	656650001	02/23/2024	BETA	1.34E-02	6.44E-04	5.32E-04	
AP	01	658328001	03/06/2024	BETA	1.83E-02	1.00E-03	9.25E-04	
AP	01	659761001	03/18/2024	BETA	2.43E-02	1.14E-03	8.98E-04	
AP	01	661558001	04/02/2024	BETA	1.54E-02	7.14E-04	6.02E-04	
AP	01	666039001	04/02/2024	Ac-228	5.55E-04	5.12E-04	1.79E-03	U
AP	01	666039001	04/02/2024	Ag-108m	3.54E-05	6.21E-05	2.14E-04	U
AP	01	666039001	04/02/2024	Ag-110m	3.34E-05	1.41E-04	4.85E-04	U
AP	01	666039001	04/02/2024	Ba-140	-3.18E-02	6.15E-02	1.68E-01	U
AP	01	666039001	04/02/2024	Be-7	1.04E-01	8.99E-03	6.44E-03	
AP	01	666039001	04/02/2024	Ce-141	-2.09E-03	8.37E-04	1.67E-03	U
AP	01	666039001	04/02/2024	Ce-144	1.69E-04	4.53E-04	1.47E-03	U
AP	01	666039001	04/02/2024	Co-57	-2.66E-05	5.08E-05	1.61E-04	U
AP	01	666039001	04/02/2024	Co-58	4.31E-05	1.79E-04	6.19E-04	U
AP	01	666039001	04/02/2024	Co-60	-1.09E-04	1.10E-04	2.84E-04	U
AP	01	666039001	04/02/2024	Cr-51	-2.98E-03	5.73E-03	1.83E-02	U
AP	01	666039001	04/02/2024	Cs-134	1.25E-04	1.11E-04	3.99E-04	U
AP	01	666039001	04/02/2024	Cs-137	1.85E-04	7.44E-05	1.99E-04	U
AP	01	666039001	04/02/2024	Fe-59	-4.03E-04	7.51E-04	2.33E-03	U
AP	01	666039001	04/02/2024	I-131	0.00E+00	2.29E-01	0.00E+00	UI
AP	01	666039001	04/02/2024	K-40	2.58E-03	1.81E-03	6.03E-03	U
AP	01	666039001	04/02/2024	La-140	-4.51E-03	1.61E-02	5.10E-02	U
AP	01	666039001	04/02/2024	Mn-54	2.04E-04	1.13E-04	4.06E-04	U
AP	01	666039001	04/02/2024	Nb-95	-2.66E-04	2.53E-04	7.57E-04	U
AP	01	666039001	04/02/2024	Ru-103	1.87E-04	3.62E-04	1.23E-03	U
AP	01	666039001	04/02/2024	Ru-106	8.78E-05	9.30E-04	3.02E-03	U
AP	01	666039001	04/02/2024	Sb-124	-2.59E-04	7.10E-04	2.23E-03	U
AP	01	666039001	04/02/2024	Sb-125	-1.98E-05	1.85E-04	6.09E-04	U
AP	01	666039001	04/02/2024	Se-75	1.43E-04	1.38E-04	4.51E-04	U
AP	01	666039001	04/02/2024	Th-228	6.51E-04	2.29E-04	3.73E-04	
AP	01	666039001	04/02/2024	Zn-65	-6.92E-05	2.48E-04	7.84E-04	U
AP	01	666039001	04/02/2024	Zr-95	2.55E-04	3.22E-04	1.17E-03	U
AP	01	664295001	04/17/2024	BETA	9.29E-03	5.57E-04	5.60E-04	M
AP	01	666183001	05/01/2024	BETA	9.82E-03	6.07E-04	6.35E-04	M
AP	01	668262001	05/16/2024	BETA	1.17E-02	6.33E-04	5.79E-04	
AP	01	669556001	05/29/2024	BETA	1.65E-02	7.96E-04	6.50E-04	
AP	01	671929001	06/12/2024	BETA	1.54E-02	7.56E-04	6.55E-04	
AP	01	673489001	06/26/2024	BETA	2.14E-02	8.92E-04	6.65E-04	
AP	01	678492001	06/26/2024	Ac-228	3.88E-04	4.13E-04	1.23E-03	U
AP	01	678492001	06/26/2024	Ag-108m	-4.57E-05	6.12E-05	1.89E-04	U
AP	01	678492001	06/26/2024	Ag-110m	-1.20E-05	1.27E-04	4.21E-04	U
AP	01	678492001	06/26/2024	Ba-140	0.00E+00	6.89E-03	1.45E-02	U
AP	01	678492001	06/26/2024	Be-7	5.77E-02	4.58E-03	3.25E-03	
AP	01	678492001	06/26/2024	Ce-141	-1.05E-04	2.49E-04	7.30E-04	U
AP	01	678492001	06/26/2024	Ce-144	9.08E-05	3.31E-04	1.08E-03	U
AP	01	678492001	06/26/2024	Co-57	-1.30E-05	3.93E-05	1.24E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	01	678492001	06/26/2024	Co-58	-5.95E-05	1.26E-04	3.51E-04	U
AP	01	678492001	06/26/2024	Co-60	8.90E-05	9.16E-05	3.24E-04	U
AP	01	678492001	06/26/2024	Cr-51	1.16E-03	1.77E-03	6.11E-03	U
AP	01	678492001	06/26/2024	Cs-134	-8.93E-05	7.57E-05	2.16E-04	U
AP	01	678492001	06/26/2024	Cs-137	1.09E-04	7.64E-05	2.61E-04	U
AP	01	678492001	06/26/2024	Fe-59	7.19E-05	3.12E-04	1.05E-03	U
AP	01	678492001	06/26/2024	I-131	3.34E-03	4.87E-03	1.67E-02	U
AP	01	678492001	06/26/2024	K-40	1.13E-03	1.72E-03	2.76E-03	U
AP	01	678492001	06/26/2024	La-140	-5.97E-04	1.65E-03	5.30E-03	U
AP	01	678492001	06/26/2024	Mn-54	2.11E-05	8.12E-05	2.79E-04	U
AP	01	678492001	06/26/2024	Nb-95	7.81E-05	1.23E-04	3.92E-04	U
AP	01	678492001	06/26/2024	Ru-103	-1.96E-04	1.26E-04	3.19E-04	U
AP	01	678492001	06/26/2024	Ru-106	8.87E-04	7.15E-04	2.43E-03	U
AP	01	678492001	06/26/2024	Sb-124	-9.59E-05	3.96E-04	1.29E-03	U
AP	01	678492001	06/26/2024	Sb-125	8.76E-06	2.05E-04	5.97E-04	U
AP	01	678492001	06/26/2024	Se-75	7.47E-05	1.02E-04	3.55E-04	U
AP	01	678492001	06/26/2024	Th-228	0.00E+00	1.89E-04	3.18E-04	U
AP	01	678492001	06/26/2024	Zn-65	5.07E-04	2.36E-04	5.93E-04	U
AP	01	678492001	06/26/2024	Zr-95	5.22E-05	1.93E-04	6.68E-04	U
AP	01	675735001	07/10/2024	BETA	1.71E-02	8.04E-04	6.71E-04	
AP	01	678816001	07/29/2024	BETA	1.73E-02	6.99E-04	6.32E-04	
AP	01	680183001	08/07/2024	BETA	2.43E-02	1.22E-03	1.05E-03	
AP	01	682491001	08/20/2024	BETA	2.07E-02	1.81E-03	7.00E-04	
AP	01	686839001	09/17/2024	BETA	2.49E-02	9.96E-04	7.14E-04	
AP	01	689305001	10/03/2024	BETA	1.13E-02	6.32E-04	6.06E-04	
AP	01	692608001	10/03/2024	Ac-228	2.57E-04	3.93E-04	1.34E-03	U
AP	01	692608001	10/03/2024	Ag-108m	5.18E-05	6.82E-05	2.40E-04	U
AP	01	692608001	10/03/2024	Ag-110m	1.69E-04	1.51E-04	5.33E-04	U
AP	01	692608001	10/03/2024	Ba-140	-1.95E-03	7.99E-03	2.25E-02	U
AP	01	692608001	10/03/2024	Be-7	6.78E-02	5.79E-03	4.49E-03	
AP	01	692608001	10/03/2024	Ce-141	-7.21E-05	2.76E-04	8.85E-04	U
AP	01	692608001	10/03/2024	Ce-144	7.28E-05	3.45E-04	1.15E-03	U
AP	01	692608001	10/03/2024	Co-57	4.10E-05	4.36E-05	1.48E-04	U
AP	01	692608001	10/03/2024	Co-58	-1.11E-04	1.57E-04	4.56E-04	U
AP	01	692608001	10/03/2024	Co-60	5.79E-05	1.34E-04	4.67E-04	U
AP	01	692608001	10/03/2024	Cr-51	-2.18E-03	2.12E-03	5.68E-03	U
AP	01	692608001	10/03/2024	Cs-134	-9.40E-05	1.20E-04	3.48E-04	U
AP	01	692608001	10/03/2024	Cs-137	1.53E-04	8.51E-05	3.07E-04	U
AP	01	692608001	10/03/2024	Fe-59	2.24E-04	4.05E-04	1.46E-03	U
AP	01	692608001	10/03/2024	I-131	3.68E-03	1.12E-02	3.56E-02	U
AP	01	692608001	10/03/2024	K-40	2.71E-03	1.93E-03	4.54E-03	U
AP	01	692608001	10/03/2024	La-140	2.48E-03	2.53E-03	9.58E-03	U
AP	01	692608001	10/03/2024	Mn-54	1.44E-04	1.05E-04	3.71E-04	U
AP	01	692608001	10/03/2024	Nb-95	3.78E-04	1.93E-04	4.37E-04	U
AP	01	692608001	10/03/2024	Ru-103	-2.03E-04	2.04E-04	6.07E-04	U
AP	01	692608001	10/03/2024	Ru-106	3.26E-04	7.47E-04	2.57E-03	U
AP	01	692608001	10/03/2024	Sb-124	8.06E-04	5.26E-04	2.01E-03	U
AP	01	692608001	10/03/2024	Sb-125	-4.09E-05	1.87E-04	6.19E-04	U
AP	01	692608001	10/03/2024	Se-75	3.50E-05	1.06E-04	3.42E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	01	692608001	10/03/2024	Th-228	3.21E-04	2.39E-04	5.78E-04	U
AP	01	692608001	10/03/2024	Zn-65	2.47E-04	2.93E-04	9.67E-04	U
AP	01	692608001	10/03/2024	Zr-95	1.63E-04	2.42E-04	8.46E-04	U
AP	01	691028001	10/16/2024	BETA	1.78E-02	8.72E-04	7.26E-04	
AP	01	693548001	10/30/2024	BETA	2.39E-02	9.78E-04	7.08E-04	
AP	01	696801001	11/13/2024	BETA	2.03E-02	8.36E-04	6.37E-04	
AP	01	698513001	11/26/2024	BETA	1.92E-02	1.04E-03	1.01E-03	
AP	01	700779001	12/11/2024	BETA	1.95E-02	8.83E-04	7.44E-04	
AP	01	709930001	12/11/2024	Ac-228	7.61E-04	5.91E-04	2.01E-03	U
AP	01	709930001	12/11/2024	Ag-108m	-5.28E-05	8.12E-05	2.54E-04	U
AP	01	709930001	12/11/2024	Ag-110m	7.09E-05	1.63E-04	5.11E-04	U
AP	01	709930001	12/11/2024	Ba-140	8.31E-02	3.85E-02	1.28E-01	U
AP	01	709930001	12/11/2024	Be-7	4.50E-02	5.81E-03	6.91E-03	
AP	01	709930001	12/11/2024	Ce-141	-7.80E-04	6.08E-04	1.75E-03	U
AP	01	709930001	12/11/2024	Ce-144	-1.46E-04	4.42E-04	1.42E-03	U
AP	01	709930001	12/11/2024	Co-57	1.30E-05	6.02E-05	2.00E-04	U
AP	01	709930001	12/11/2024	Co-58	-5.22E-04	2.53E-04	5.66E-04	U
AP	01	709930001	12/11/2024	Co-60	6.10E-05	1.42E-04	4.64E-04	U
AP	01	709930001	12/11/2024	Cr-51	5.56E-03	5.64E-03	1.96E-02	U
AP	01	709930001	12/11/2024	Cs-134	7.18E-05	1.18E-04	4.14E-04	U
AP	01	709930001	12/11/2024	Cs-137	4.56E-04	1.14E-04	2.15E-04	UI
AP	01	709930001	12/11/2024	Fe-59	2.32E-04	7.34E-04	2.49E-03	U
AP	01	709930001	12/11/2024	I-131	0.00E+00	2.34E-01	0.00E+00	UI
AP	01	709930001	12/11/2024	K-40	6.88E-04	1.96E-03	6.72E-03	U
AP	01	709930001	12/11/2024	La-140	-2.62E-02	1.52E-02	3.22E-02	U
AP	01	709930001	12/11/2024	Mn-54	1.97E-04	1.38E-04	4.88E-04	U
AP	01	709930001	12/11/2024	Nb-95	5.05E-04	2.99E-04	1.04E-03	U
AP	01	709930001	12/11/2024	Ru-103	-1.25E-04	3.58E-04	1.13E-03	U
AP	01	709930001	12/11/2024	Ru-106	-2.16E-03	1.21E-03	2.87E-03	U
AP	01	709930001	12/11/2024	Sb-124	-4.91E-04	7.80E-04	2.33E-03	U
AP	01	709930001	12/11/2024	Sb-125	-9.21E-05	2.65E-04	8.56E-04	U
AP	01	709930001	12/11/2024	Se-75	8.96E-06	1.64E-04	5.64E-04	U
AP	01	709930001	12/11/2024	Th-228	3.98E-04	2.27E-04	6.97E-04	U
AP	01	709930001	12/11/2024	Zn-65	-2.66E-04	3.23E-04	9.40E-04	U
AP	01	709930001	12/11/2024	Zr-95	3.00E-04	4.37E-04	1.54E-03	U
AP	02	651716002	01/10/2024	BETA	1.66E-02	8.07E-04	7.06E-04	
AP	02	653020002	01/22/2024	BETA	3.57E-02	1.33E-03	9.12E-04	
AP	02	654242002	02/02/2024	BETA	1.54E-02	9.48E-04	9.81E-04	
AP	02	656650002	02/23/2024	BETA	1.07E-02	5.88E-04	5.52E-04	
AP	02	658328002	03/06/2024	BETA	1.46E-02	8.84E-04	9.06E-04	
AP	02	659761002	03/18/2024	BETA	1.90E-02	1.04E-03	9.50E-04	
AP	02	661558002	04/02/2024	BETA	1.67E-02	8.61E-04	7.38E-04	
AP	02	666039002	04/02/2024	Ac-228	-1.39E-03	5.82E-04	1.15E-03	U
AP	02	666039002	04/02/2024	Ag-108m	-6.99E-05	6.75E-05	2.09E-04	U
AP	02	666039002	04/02/2024	Ag-110m	-1.72E-04	1.63E-04	3.98E-04	U
AP	02	666039002	04/02/2024	Ba-140	4.79E-02	4.17E-02	1.43E-01	U
AP	02	666039002	04/02/2024	Be-7	7.92E-02	7.01E-03	6.01E-03	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	02	666039002	04/02/2024	Ce-141	-1.24E-03	7.72E-04	2.04E-03	U
AP	02	666039002	04/02/2024	Ce-144	-8.63E-05	4.53E-04	1.41E-03	U
AP	02	666039002	04/02/2024	Co-57	6.89E-05	6.01E-05	1.95E-04	U
AP	02	666039002	04/02/2024	Co-58	-1.77E-04	1.99E-04	6.12E-04	U
AP	02	666039002	04/02/2024	Co-60	7.73E-05	9.41E-05	3.31E-04	U
AP	02	666039002	04/02/2024	Cr-51	-7.00E-03	6.09E-03	1.77E-02	U
AP	02	666039002	04/02/2024	Cs-134	5.52E-06	9.83E-05	3.31E-04	U
AP	02	666039002	04/02/2024	Cs-137	-3.69E-05	9.28E-05	2.92E-04	U
AP	02	666039002	04/02/2024	Fe-59	-1.11E-03	7.83E-04	2.07E-03	U
AP	02	666039002	04/02/2024	I-131	0.00E+00	2.61E-01	0.00E+00	UI
AP	02	666039002	04/02/2024	K-40	0.00E+00	2.01E-03	2.92E-03	U
AP	02	666039002	04/02/2024	La-140	1.44E-02	1.36E-02	4.94E-02	U
AP	02	666039002	04/02/2024	Mn-54	-3.06E-05	1.20E-04	3.39E-04	U
AP	02	666039002	04/02/2024	Nb-95	1.82E-04	2.04E-04	7.12E-04	U
AP	02	666039002	04/02/2024	Ru-103	-4.89E-04	3.61E-04	1.04E-03	U
AP	02	666039002	04/02/2024	Ru-106	-3.04E-04	9.26E-04	2.95E-03	U
AP	02	666039002	04/02/2024	Sb-124	2.72E-04	5.87E-04	2.00E-03	U
AP	02	666039002	04/02/2024	Sb-125	-2.43E-05	1.90E-04	6.36E-04	U
AP	02	666039002	04/02/2024	Se-75	-8.68E-05	1.49E-04	4.47E-04	U
AP	02	666039002	04/02/2024	Th-228	0.00E+00	2.56E-04	3.79E-04	U
AP	02	666039002	04/02/2024	Zn-65	7.12E-05	2.66E-04	7.69E-04	U
AP	02	666039002	04/02/2024	Zr-95	1.12E-03	6.08E-04	1.32E-03	U
AP	02	664295002	04/17/2024	BETA	1.39E-02	8.25E-04	8.14E-04	
AP	02	666183002	05/01/2024	BETA	1.39E-02	8.20E-04	7.80E-04	
AP	02	668262002	05/16/2024	BETA	1.32E-02	8.03E-04	7.94E-04	
AP	02	669556002	05/29/2024	BETA	2.00E-02	1.11E-03	1.07E-03	
AP	02	671929002	06/12/2024	BETA	1.56E-02	6.45E-04	4.66E-04	
AP	02	673489002	06/26/2024	BETA	2.46E-02	8.49E-04	5.18E-04	
AP	02	678492002	06/26/2024	Ac-228	0.00E+00	5.47E-04	1.51E-03	U
AP	02	678492002	06/26/2024	Ag-108m	-8.57E-07	6.02E-05	2.02E-04	U
AP	02	678492002	06/26/2024	Ag-110m	-3.63E-05	1.17E-04	3.57E-04	U
AP	02	678492002	06/26/2024	Ba-140	1.07E-02	4.49E-03	1.51E-02	U
AP	02	678492002	06/26/2024	Be-7	7.38E-02	5.23E-03	3.16E-03	
AP	02	678492002	06/26/2024	Ce-141	3.80E-04	4.71E-04	7.59E-04	U
AP	02	678492002	06/26/2024	Ce-144	0.00E+00	5.79E-04	1.13E-03	U
AP	02	678492002	06/26/2024	Co-57	1.24E-05	4.37E-05	1.44E-04	U
AP	02	678492002	06/26/2024	Co-58	5.23E-06	1.20E-04	3.86E-04	U
AP	02	678492002	06/26/2024	Co-60	-6.29E-05	1.09E-04	3.32E-04	U
AP	02	678492002	06/26/2024	Cr-51	9.95E-04	1.81E-03	6.33E-03	U
AP	02	678492002	06/26/2024	Cs-134	2.48E-05	6.85E-05	2.10E-04	U
AP	02	678492002	06/26/2024	Cs-137	-5.87E-07	7.55E-05	2.46E-04	U
AP	02	678492002	06/26/2024	Fe-59	1.16E-04	3.18E-04	1.00E-03	U
AP	02	678492002	06/26/2024	I-131	-4.95E-03	5.66E-03	1.78E-02	U
AP	02	678492002	06/26/2024	K-40	3.75E-04	1.49E-03	2.54E-03	U
AP	02	678492002	06/26/2024	La-140	2.99E-04	1.87E-03	6.24E-03	U
AP	02	678492002	06/26/2024	Mn-54	-2.99E-05	9.65E-05	2.99E-04	U
AP	02	678492002	06/26/2024	Nb-95	2.18E-05	1.40E-04	4.58E-04	U
AP	02	678492002	06/26/2024	Ru-103	-2.46E-04	1.83E-04	5.17E-04	U
AP	02	678492002	06/26/2024	Ru-106	5.28E-04	8.68E-04	2.94E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	02	678492002	06/26/2024	Sb-124	-2.54E-04	3.32E-04	9.01E-04	U
AP	02	678492002	06/26/2024	Sb-125	3.09E-04	2.18E-04	7.55E-04	U
AP	02	678492002	06/26/2024	Se-75	5.99E-05	1.18E-04	3.78E-04	U
AP	02	678492002	06/26/2024	Th-228	0.00E+00	2.00E-04	2.97E-04	U
AP	02	678492002	06/26/2024	Zn-65	2.91E-04	2.23E-04	8.07E-04	U
AP	02	678492002	06/26/2024	Zr-95	2.45E-04	2.69E-04	9.17E-04	U
AP	02	675735002	07/10/2024	BETA	2.64E-02	9.44E-04	5.76E-04	
AP	02	678816002	07/29/2024	BETA	2.05E-02	7.28E-04	4.77E-04	
AP	02	680183002	08/07/2024	BETA	2.56E-02	1.38E-03	1.23E-03	
AP	02	682491002	08/20/2024	BETA	1.95E-02	1.94E-03	8.87E-04	
AP	02	686839002	09/17/2024	BETA	3.13E-02	1.58E-03	1.41E-03	
AP	02	689305002	10/03/2024	BETA	1.68E-02	8.53E-04	7.53E-04	
AP	02	692608002	10/03/2024	Ac-228	1.60E-03	1.16E-03	2.96E-03	U
AP	02	692608002	10/03/2024	Ag-108m	1.04E-04	1.26E-04	4.38E-04	U
AP	02	692608002	10/03/2024	Ag-110m	4.33E-04	2.61E-04	9.68E-04	U
AP	02	692608002	10/03/2024	Ba-140	-1.91E-03	8.90E-03	2.82E-02	U
AP	02	692608002	10/03/2024	Be-7	8.01E-02	7.71E-03	6.72E-03	
AP	02	692608002	10/03/2024	Ce-141	-1.47E-04	4.01E-04	1.28E-03	U
AP	02	692608002	10/03/2024	Ce-144	1.51E-04	5.13E-04	1.71E-03	U
AP	02	692608002	10/03/2024	Co-57	-4.20E-05	6.33E-05	1.99E-04	U
AP	02	692608002	10/03/2024	Co-58	-1.92E-04	2.15E-04	6.14E-04	U
AP	02	692608002	10/03/2024	Co-60	2.47E-04	1.94E-04	7.29E-04	U
AP	02	692608002	10/03/2024	Cr-51	2.51E-03	4.82E-03	1.52E-02	U
AP	02	692608002	10/03/2024	Cs-134	2.30E-04	1.62E-04	5.79E-04	U
AP	02	692608002	10/03/2024	Cs-137	7.61E-05	1.52E-04	4.68E-04	U
AP	02	692608002	10/03/2024	Fe-59	1.58E-03	9.48E-04	3.47E-03	U
AP	02	692608002	10/03/2024	I-131	-4.41E-03	1.80E-02	5.96E-02	U
AP	02	692608002	10/03/2024	K-40	5.68E-03	3.16E-03	1.16E-02	U
AP	02	692608002	10/03/2024	La-140	-5.51E-03	7.09E-03	2.08E-02	U
AP	02	692608002	10/03/2024	Mn-54	5.53E-05	2.00E-04	6.91E-04	U
AP	02	692608002	10/03/2024	Nb-95	2.05E-06	2.73E-04	9.26E-04	U
AP	02	692608002	10/03/2024	Ru-103	6.87E-05	3.19E-04	1.07E-03	U
AP	02	692608002	10/03/2024	Ru-106	6.08E-04	1.35E-03	4.55E-03	U
AP	02	692608002	10/03/2024	Sb-124	-3.00E-04	5.55E-04	1.52E-03	U
AP	02	692608002	10/03/2024	Sb-125	-3.89E-04	4.01E-04	1.20E-03	U
AP	02	692608002	10/03/2024	Se-75	-4.49E-05	2.03E-04	6.22E-04	U
AP	02	692608002	10/03/2024	Th-228	1.05E-03	4.07E-04	6.26E-04	
AP	02	692608002	10/03/2024	Zn-65	-7.29E-04	4.23E-04	8.07E-04	U
AP	02	692608002	10/03/2024	Zr-95	-7.01E-04	5.25E-04	1.43E-03	U
AP	02	691028002	10/16/2024	BETA	1.91E-02	9.53E-04	8.00E-04	
AP	02	693548002	10/30/2024	BETA	3.63E-02	1.29E-03	8.71E-04	
AP	02	696801002	11/13/2024	BETA	2.54E-02	1.05E-03	7.61E-04	
AP	02	698513002	11/26/2024	BETA	2.31E-02	1.10E-03	9.21E-04	
AP	02	700779002	12/11/2024	BETA	1.99E-02	9.42E-04	7.80E-04	
AP	02	709930002	12/11/2024	Ac-228	8.85E-04	8.43E-04	2.17E-03	U
AP	02	709930002	12/11/2024	Ag-108m	-5.63E-05	1.35E-04	3.95E-04	U
AP	02	709930002	12/11/2024	Ag-110m	-3.45E-04	2.46E-04	6.21E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	02	709930002	12/11/2024	Ba-140	-1.95E-02	4.30E-02	1.37E-01	U
AP	02	709930002	12/11/2024	Be-7	4.35E-02	8.78E-03	9.85E-03	
AP	02	709930002	12/11/2024	Ce-141	-9.37E-04	7.89E-04	2.29E-03	U
AP	02	709930002	12/11/2024	Ce-144	-3.01E-04	6.30E-04	1.98E-03	U
AP	02	709930002	12/11/2024	Co-57	-1.77E-04	8.86E-05	2.25E-04	U
AP	02	709930002	12/11/2024	Co-58	2.57E-05	2.84E-04	9.24E-04	U
AP	02	709930002	12/11/2024	Co-60	-1.13E-04	1.35E-04	3.88E-04	U
AP	02	709930002	12/11/2024	Cr-51	-1.27E-02	7.55E-03	2.15E-02	U
AP	02	709930002	12/11/2024	Cs-134	-1.96E-04	1.85E-04	5.10E-04	U
AP	02	709930002	12/11/2024	Cs-137	-1.91E-04	1.44E-04	3.96E-04	U
AP	02	709930002	12/11/2024	Fe-59	-1.21E-03	9.17E-04	2.48E-03	U
AP	02	709930002	12/11/2024	I-131	0.00E+00	1.88E-01	0.00E+00	UI
AP	02	709930002	12/11/2024	K-40	-1.15E-03	2.11E-03	7.28E-03	U
AP	02	709930002	12/11/2024	La-140	-4.81E-03	1.59E-02	4.98E-02	U
AP	02	709930002	12/11/2024	Mn-54	-1.14E-04	1.56E-04	4.56E-04	U
AP	02	709930002	12/11/2024	Nb-95	3.80E-04	2.80E-04	9.83E-04	U
AP	02	709930002	12/11/2024	Ru-103	-2.98E-04	4.12E-04	1.27E-03	U
AP	02	709930002	12/11/2024	Ru-106	1.65E-03	1.46E-03	5.02E-03	U
AP	02	709930002	12/11/2024	Sb-124	9.34E-05	5.50E-04	1.68E-03	U
AP	02	709930002	12/11/2024	Sb-125	1.40E-04	3.10E-04	1.07E-03	U
AP	02	709930002	12/11/2024	Se-75	-4.36E-06	2.23E-04	6.99E-04	U
AP	02	709930002	12/11/2024	Th-228	3.65E-04	3.44E-04	6.48E-04	U
AP	02	709930002	12/11/2024	Zn-65	2.29E-05	2.98E-04	9.03E-04	U
AP	02	709930002	12/11/2024	Zr-95	1.58E-04	5.69E-04	1.89E-03	U
AP	03	651716003	01/10/2024	BETA	2.25E-02	1.03E-03	9.01E-04	
AP	03	653020003	01/22/2024	BETA	3.97E-02	1.49E-03	1.04E-03	
AP	03	654242003	02/02/2024	BETA	1.70E-02	1.04E-03	1.10E-03	
AP	03	656650003	02/23/2024	BETA	2.45E-02	9.13E-04	5.78E-04	
AP	03	658328003	03/06/2024	BETA	2.42E-02	1.13E-03	8.79E-04	
AP	03	659761003	03/18/2024	BETA	1.92E-02	1.01E-03	9.21E-04	
AP	03	661558003	04/02/2024	BETA	2.34E-02	9.87E-04	7.23E-04	
AP	03	666039003	04/02/2024	Ac-228	6.33E-04	4.67E-04	1.65E-03	U
AP	03	666039003	04/02/2024	Ag-108m	2.61E-05	7.87E-05	2.66E-04	U
AP	03	666039003	04/02/2024	Ag-110m	-5.21E-05	3.19E-04	7.60E-04	U
AP	03	666039003	04/02/2024	Ba-140	-8.52E-02	5.23E-02	1.26E-01	U
AP	03	666039003	04/02/2024	Be-7	1.09E-01	9.35E-03	7.47E-03	
AP	03	666039003	04/02/2024	Ce-141	-2.86E-04	6.35E-04	2.03E-03	U
AP	03	666039003	04/02/2024	Ce-144	2.89E-05	4.16E-04	1.39E-03	U
AP	03	666039003	04/02/2024	Co-57	1.63E-06	4.57E-05	1.53E-04	U
AP	03	666039003	04/02/2024	Co-58	-2.49E-04	2.53E-04	6.06E-04	U
AP	03	666039003	04/02/2024	Co-60	-1.28E-04	1.61E-04	4.47E-04	U
AP	03	666039003	04/02/2024	Cr-51	-6.96E-03	6.66E-03	2.06E-02	U
AP	03	666039003	04/02/2024	Cs-134	5.95E-05	1.24E-04	4.31E-04	U
AP	03	666039003	04/02/2024	Cs-137	1.62E-04	9.75E-05	3.41E-04	U
AP	03	666039003	04/02/2024	Fe-59	9.77E-04	9.69E-04	3.41E-03	U
AP	03	666039003	04/02/2024	I-131	-1.06E-01	2.74E-01	0.00E+00	U
AP	03	666039003	04/02/2024	K-40	1.70E-03	1.67E-03	6.07E-03	U
AP	03	666039003	04/02/2024	La-140	1.43E-02	2.03E-02	7.40E-02	U
AP	03	666039003	04/02/2024	Mn-54	-5.57E-05	1.25E-04	3.98E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	03	666039003	04/02/2024	Nb-95	1.15E-04	2.66E-04	9.24E-04	U
AP	03	666039003	04/02/2024	Ru-103	-1.39E-04	4.15E-04	1.32E-03	U
AP	03	666039003	04/02/2024	Ru-106	5.10E-04	1.03E-03	3.44E-03	U
AP	03	666039003	04/02/2024	Sb-124	-8.89E-04	1.06E-03	3.02E-03	U
AP	03	666039003	04/02/2024	Sb-125	2.38E-04	2.47E-04	8.55E-04	U
AP	03	666039003	04/02/2024	Se-75	1.03E-04	1.75E-04	5.63E-04	U
AP	03	666039003	04/02/2024	Th-228	4.69E-04	2.32E-04	5.74E-04	U
AP	03	666039003	04/02/2024	Zn-65	2.73E-04	3.36E-04	1.17E-03	U
AP	03	666039003	04/02/2024	Zr-95	-3.62E-04	4.77E-04	1.47E-03	U
AP	03	664295003	04/17/2024	BETA	1.76E-02	8.89E-04	7.69E-04	
AP	03	666183003	05/01/2024	BETA	2.67E-02	1.10E-03	8.20E-04	
AP	03	668262003	05/16/2024	BETA	1.03E-02	6.87E-04	7.45E-04	
AP	03	669556003	05/29/2024	BETA	1.69E-02	8.92E-04	7.78E-04	
AP	03	671929003	06/12/2024	BETA	1.91E-02	9.34E-04	8.37E-04	
AP	03	673489003	06/26/2024	BETA	2.79E-02	1.14E-03	8.65E-04	
AP	03	678492003	06/26/2024	Ac-228	0.00E+00	6.19E-04	1.85E-03	U
AP	03	678492003	06/26/2024	Ag-108m	5.10E-05	9.44E-05	3.28E-04	U
AP	03	678492003	06/26/2024	Ag-110m	5.55E-05	1.99E-04	6.84E-04	U
AP	03	678492003	06/26/2024	Ba-140	1.21E-02	5.55E-03	1.77E-02	U
AP	03	678492003	06/26/2024	Be-7	7.17E-02	6.42E-03	5.56E-03	
AP	03	678492003	06/26/2024	Ce-141	-2.36E-04	4.01E-04	1.15E-03	U
AP	03	678492003	06/26/2024	Ce-144	-1.31E-03	6.73E-04	1.62E-03	U
AP	03	678492003	06/26/2024	Co-57	4.07E-05	6.66E-05	2.16E-04	U
AP	03	678492003	06/26/2024	Co-58	-1.57E-04	2.01E-04	5.83E-04	U
AP	03	678492003	06/26/2024	Co-60	1.43E-04	1.60E-04	5.62E-04	U
AP	03	678492003	06/26/2024	Cr-51	7.09E-04	2.81E-03	9.24E-03	U
AP	03	678492003	06/26/2024	Cs-134	-9.76E-05	1.59E-04	4.11E-04	U
AP	03	678492003	06/26/2024	Cs-137	3.38E-06	1.17E-04	3.85E-04	U
AP	03	678492003	06/26/2024	Fe-59	1.65E-03	1.04E-03	2.59E-03	U
AP	03	678492003	06/26/2024	I-131	-2.79E-04	8.87E-03	2.84E-02	U
AP	03	678492003	06/26/2024	K-40	0.00E+00	1.56E-03	4.17E-03	U
AP	03	678492003	06/26/2024	La-140	-1.09E-03	2.08E-03	6.20E-03	U
AP	03	678492003	06/26/2024	Mn-54	4.06E-06	1.24E-04	3.97E-04	U
AP	03	678492003	06/26/2024	Nb-95	1.72E-04	1.90E-04	6.52E-04	U
AP	03	678492003	06/26/2024	Ru-103	-9.10E-05	2.04E-04	6.59E-04	U
AP	03	678492003	06/26/2024	Ru-106	-1.55E-03	1.09E-03	2.93E-03	U
AP	03	678492003	06/26/2024	Sb-124	3.49E-04	5.91E-04	2.10E-03	U
AP	03	678492003	06/26/2024	Sb-125	-3.87E-04	2.76E-04	7.94E-04	U
AP	03	678492003	06/26/2024	Se-75	7.86E-05	1.48E-04	5.01E-04	U
AP	03	678492003	06/26/2024	Th-228	4.59E-04	2.75E-04	6.85E-04	U
AP	03	678492003	06/26/2024	Zn-65	7.81E-04	4.28E-04	1.29E-03	U
AP	03	678492003	06/26/2024	Zr-95	9.20E-05	3.15E-04	1.05E-03	U
AP	03	675735003	07/10/2024	BETA	2.41E-02	1.08E-03	8.68E-04	
AP	03	678816003	07/29/2024	BETA	3.26E-02	1.13E-03	6.90E-04	
AP	03	680183003	08/07/2024	BETA	3.60E-02	1.71E-03	1.78E-03	
AP	03	682491003	08/20/2024	BETA	2.73E-02	2.41E-03	9.00E-04	
AP	03	686839003	09/17/2024	BETA	3.71E-02	1.29E-03	7.84E-04	
AP	03	689305003	10/03/2024	BETA	2.03E-02	8.93E-04	6.61E-04	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	03	692608003	10/03/2024	Ac-228	1.97E-03	9.25E-04	2.49E-03	U
AP	03	692608003	10/03/2024	Ag-108m	-5.56E-05	1.04E-04	3.25E-04	U
AP	03	692608003	10/03/2024	Ag-110m	-3.13E-04	2.38E-04	6.31E-04	U
AP	03	692608003	10/03/2024	Ba-140	7.70E-03	1.11E-02	3.76E-02	U
AP	03	692608003	10/03/2024	Be-7	1.00E-01	8.11E-03	6.99E-03	
AP	03	692608003	10/03/2024	Ce-141	-3.29E-04	4.41E-04	1.37E-03	U
AP	03	692608003	10/03/2024	Ce-144	-1.20E-04	5.38E-04	1.76E-03	U
AP	03	692608003	10/03/2024	Co-57	1.77E-05	6.71E-05	2.27E-04	U
AP	03	692608003	10/03/2024	Co-58	1.45E-04	2.01E-04	7.19E-04	U
AP	03	692608003	10/03/2024	Co-60	2.51E-04	1.81E-04	6.76E-04	U
AP	03	692608003	10/03/2024	Cr-51	-8.98E-04	3.71E-03	1.24E-02	U
AP	03	692608003	10/03/2024	Cs-134	-2.73E-05	1.80E-04	5.95E-04	U
AP	03	692608003	10/03/2024	Cs-137	1.03E-04	1.45E-04	4.90E-04	U
AP	03	692608003	10/03/2024	Fe-59	-5.08E-04	6.21E-04	1.71E-03	U
AP	03	692608003	10/03/2024	I-131	1.70E-02	1.77E-02	5.73E-02	U
AP	03	692608003	10/03/2024	K-40	-2.03E-03	2.01E-03	6.61E-03	U
AP	03	692608003	10/03/2024	La-140	3.62E-05	4.02E-03	1.33E-02	U
AP	03	692608003	10/03/2024	Mn-54	-1.85E-04	1.55E-04	4.27E-04	U
AP	03	692608003	10/03/2024	Nb-95	1.66E-04	2.12E-04	7.61E-04	U
AP	03	692608003	10/03/2024	Ru-103	3.25E-04	3.44E-04	1.18E-03	U
AP	03	692608003	10/03/2024	Ru-106	-5.38E-04	1.54E-03	4.74E-03	U
AP	03	692608003	10/03/2024	Sb-124	-9.88E-04	8.01E-04	1.93E-03	U
AP	03	692608003	10/03/2024	Sb-125	-6.28E-04	3.63E-04	9.25E-04	U
AP	03	692608003	10/03/2024	Se-75	-1.88E-04	2.05E-04	5.81E-04	U
AP	03	692608003	10/03/2024	Th-228	4.90E-04	3.53E-04	5.21E-04	U
AP	03	692608003	10/03/2024	Zn-65	1.42E-04	3.85E-04	1.30E-03	U
AP	03	692608003	10/03/2024	Zr-95	2.76E-04	4.79E-04	1.68E-03	U
AP	03	691028003	10/16/2024	BETA	2.10E-02	9.88E-04	8.09E-04	
AP	03	693548003	10/30/2024	BETA	4.66E-02	1.39E-03	7.35E-04	
AP	03	696801003	11/13/2024	BETA	3.06E-02	1.15E-03	8.08E-04	
AP	03	698513003	11/26/2024	BETA	2.39E-02	1.07E-03	8.52E-04	
AP	03	700779003	12/11/2024	BETA	3.30E-02	1.16E-03	7.50E-04	
AP	03	709930003	12/11/2024	Ac-228	5.64E-04	7.38E-04	2.07E-03	U
AP	03	709930003	12/11/2024	Ag-108m	1.05E-04	8.04E-05	2.79E-04	U
AP	03	709930003	12/11/2024	Ag-110m	2.00E-04	1.64E-04	6.01E-04	U
AP	03	709930003	12/11/2024	Ba-140	5.25E-02	3.58E-02	1.24E-01	U
AP	03	709930003	12/11/2024	Be-7	7.39E-02	6.84E-03	5.87E-03	
AP	03	709930003	12/11/2024	Ce-141	0.00E+00	1.06E-03	1.86E-03	U
AP	03	709930003	12/11/2024	Ce-144	5.02E-04	5.12E-04	1.68E-03	U
AP	03	709930003	12/11/2024	Co-57	7.14E-05	6.46E-05	2.13E-04	U
AP	03	709930003	12/11/2024	Co-58	-1.12E-04	2.09E-04	6.11E-04	U
AP	03	709930003	12/11/2024	Co-60	1.52E-04	1.16E-04	4.33E-04	U
AP	03	709930003	12/11/2024	Cr-51	3.21E-03	6.04E-03	2.08E-02	U
AP	03	709930003	12/11/2024	Cs-134	-7.03E-06	1.16E-04	3.66E-04	U
AP	03	709930003	12/11/2024	Cs-137	-6.35E-05	1.26E-04	3.85E-04	U
AP	03	709930003	12/11/2024	Fe-59	4.36E-04	7.68E-04	2.70E-03	U
AP	03	709930003	12/11/2024	I-131	-9.57E-02	1.32E-01	0.00E+00	U
AP	03	709930003	12/11/2024	K-40	0.00E+00	2.21E-03	3.54E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	03	709930003	12/11/2024	La-140	-2.17E-03	1.21E-02	3.78E-02	U
AP	03	709930003	12/11/2024	Mn-54	1.55E-04	1.28E-04	4.61E-04	U
AP	03	709930003	12/11/2024	Nb-95	-1.59E-04	3.86E-04	9.77E-04	U
AP	03	709930003	12/11/2024	Ru-103	4.98E-04	3.82E-04	1.33E-03	U
AP	03	709930003	12/11/2024	Ru-106	4.56E-04	9.46E-04	3.19E-03	U
AP	03	709930003	12/11/2024	Sb-124	8.10E-04	5.73E-04	2.25E-03	U
AP	03	709930003	12/11/2024	Sb-125	-1.04E-04	2.20E-04	6.94E-04	U
AP	03	709930003	12/11/2024	Se-75	-4.17E-05	1.52E-04	5.07E-04	U
AP	03	709930003	12/11/2024	Th-228	3.42E-04	3.10E-04	7.10E-04	U
AP	03	709930003	12/11/2024	Zn-65	2.88E-04	2.28E-04	8.60E-04	U
AP	03	709930003	12/11/2024	Zr-95	6.41E-04	4.32E-04	1.52E-03	U
AP	04	651716004	01/10/2024	BETA	1.51E-02	8.36E-04	8.33E-04	
AP	04	653020004	01/22/2024	BETA	3.24E-02	1.31E-03	9.53E-04	
AP	04	654242004	02/02/2024	BETA	2.12E-02	1.14E-03	1.11E-03	
AP	04	656650004	02/23/2024	BETA	1.92E-02	7.89E-04	5.90E-04	
AP	04	658328004	03/06/2024	BETA	1.85E-02	1.05E-03	1.03E-03	
AP	04	659761004	03/18/2024	BETA	1.57E-02	1.02E-03	1.13E-03	
AP	04	661558004	04/02/2024	BETA	1.88E-02	8.30E-04	6.07E-04	
AP	04	666039004	04/02/2024	Ac-228	-2.86E-04	6.27E-04	1.95E-03	U
AP	04	666039004	04/02/2024	Ag-108m	1.15E-04	8.47E-05	2.65E-04	U
AP	04	666039004	04/02/2024	Ag-110m	3.62E-04	3.21E-04	6.93E-04	U
AP	04	666039004	04/02/2024	Ba-140	-8.87E-02	6.01E-02	1.51E-01	U
AP	04	666039004	04/02/2024	Be-7	6.82E-02	7.07E-03	8.06E-03	
AP	04	666039004	04/02/2024	Ce-141	-1.73E-03	8.99E-04	2.13E-03	U
AP	04	666039004	04/02/2024	Ce-144	-7.74E-05	5.07E-04	1.61E-03	U
AP	04	666039004	04/02/2024	Co-57	-6.75E-05	6.16E-05	1.77E-04	U
AP	04	666039004	04/02/2024	Co-58	1.44E-04	2.48E-04	8.49E-04	U
AP	04	666039004	04/02/2024	Co-60	-3.27E-05	1.60E-04	5.17E-04	U
AP	04	666039004	04/02/2024	Cr-51	-2.99E-03	6.69E-03	2.14E-02	U
AP	04	666039004	04/02/2024	Cs-134	1.02E-04	1.25E-04	4.34E-04	U
AP	04	666039004	04/02/2024	Cs-137	1.19E-05	1.09E-04	3.66E-04	U
AP	04	666039004	04/02/2024	Fe-59	-6.03E-04	1.01E-03	2.64E-03	U
AP	04	666039004	04/02/2024	I-131	0.00E+00	2.85E-01	0.00E+00	UI
AP	04	666039004	04/02/2024	K-40	3.68E-03	1.96E-03	6.82E-03	U
AP	04	666039004	04/02/2024	La-140	-5.32E-03	1.34E-02	3.82E-02	U
AP	04	666039004	04/02/2024	Mn-54	-7.20E-05	1.42E-04	4.41E-04	U
AP	04	666039004	04/02/2024	Nb-95	1.43E-04	2.51E-04	8.65E-04	U
AP	04	666039004	04/02/2024	Ru-103	-1.71E-04	5.23E-04	1.62E-03	U
AP	04	666039004	04/02/2024	Ru-106	1.97E-04	1.07E-03	3.65E-03	U
AP	04	666039004	04/02/2024	Sb-124	1.07E-04	8.52E-04	2.80E-03	U
AP	04	666039004	04/02/2024	Sb-125	4.95E-04	6.10E-04	8.23E-04	U
AP	04	666039004	04/02/2024	Se-75	-5.38E-05	1.60E-04	5.26E-04	U
AP	04	666039004	04/02/2024	Th-228	4.84E-04	2.81E-04	6.56E-04	U
AP	04	666039004	04/02/2024	Zn-65	-1.79E-04	2.86E-04	8.81E-04	U
AP	04	666039004	04/02/2024	Zr-95	6.78E-04	5.82E-04	2.01E-03	U
AP	04	664295004	04/17/2024	BETA	1.56E-02	7.67E-04	6.50E-04	
AP	04	666183004	05/01/2024	BETA	1.85E-02	8.34E-04	6.25E-04	
AP	04	668262004	05/16/2024	BETA	1.28E-02	7.04E-04	6.27E-04	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	04	669556004	05/29/2024	BETA	2.11E-02	9.49E-04	7.54E-04	
AP	04	671929004	06/12/2024	BETA	1.67E-02	8.17E-04	6.81E-04	
AP	04	673489004	06/26/2024	BETA	2.98E-02	1.09E-03	7.06E-04	
AP	04	678492004	06/26/2024	Ac-228	9.23E-04	5.87E-04	1.02E-03	U
AP	04	678492004	06/26/2024	Ag-108m	-3.29E-05	8.57E-05	2.69E-04	U
AP	04	678492004	06/26/2024	Ag-110m	1.73E-04	1.49E-04	5.16E-04	U
AP	04	678492004	06/26/2024	Ba-140	8.66E-03	5.24E-03	1.79E-02	U
AP	04	678492004	06/26/2024	Be-7	6.77E-02	5.87E-03	4.65E-03	
AP	04	678492004	06/26/2024	Ce-141	1.12E-04	2.59E-04	7.93E-04	U
AP	04	678492004	06/26/2024	Ce-144	-6.62E-04	5.11E-04	1.35E-03	U
AP	04	678492004	06/26/2024	Co-57	7.82E-05	5.30E-05	1.75E-04	U
AP	04	678492004	06/26/2024	Co-58	-2.34E-04	1.52E-04	3.74E-04	U
AP	04	678492004	06/26/2024	Co-60	6.44E-06	7.39E-05	2.51E-04	U
AP	04	678492004	06/26/2024	Cr-51	2.69E-04	2.45E-03	7.44E-03	U
AP	04	678492004	06/26/2024	Cs-134	2.57E-04	1.29E-04	4.36E-04	U
AP	04	678492004	06/26/2024	Cs-137	4.58E-05	9.09E-05	3.09E-04	U
AP	04	678492004	06/26/2024	Fe-59	9.46E-05	3.27E-04	1.14E-03	U
AP	04	678492004	06/26/2024	I-131	-4.78E-03	6.76E-03	1.93E-02	U
AP	04	678492004	06/26/2024	K-40	6.53E-03	1.76E-03	2.14E-03	
AP	04	678492004	06/26/2024	La-140	-1.56E-03	1.42E-03	3.43E-03	U
AP	04	678492004	06/26/2024	Mn-54	2.89E-05	1.19E-04	3.91E-04	U
AP	04	678492004	06/26/2024	Nb-95	-1.70E-04	1.39E-04	3.70E-04	U
AP	04	678492004	06/26/2024	Ru-103	-2.06E-04	2.52E-04	6.92E-04	U
AP	04	678492004	06/26/2024	Ru-106	-6.67E-04	8.67E-04	2.63E-03	U
AP	04	678492004	06/26/2024	Sb-124	-3.74E-04	3.76E-04	9.74E-04	U
AP	04	678492004	06/26/2024	Sb-125	-2.38E-04	2.27E-04	6.93E-04	U
AP	04	678492004	06/26/2024	Se-75	-1.76E-04	1.42E-04	3.93E-04	U
AP	04	678492004	06/26/2024	Th-228	0.00E+00	3.41E-04	6.10E-04	U
AP	04	678492004	06/26/2024	Zn-65	1.62E-04	1.65E-04	5.80E-04	U
AP	04	678492004	06/26/2024	Zr-95	-2.51E-04	2.79E-04	8.10E-04	U
AP	04	675735004	07/10/2024	BETA	3.38E-02	1.17E-03	7.15E-04	
AP	04	678816004	07/29/2024	BETA	2.55E-02	8.72E-04	5.14E-04	
AP	04	680183004	08/07/2024	BETA	2.98E-02	1.37E-03	1.14E-03	
AP	04	682491004	08/20/2024	BETA	2.78E-02	2.18E-03	8.05E-04	
AP	04	686839004	09/17/2024	BETA	2.80E-02	1.07E-03	7.07E-04	
AP	04	689305004	10/03/2024	BETA	1.38E-02	7.07E-04	6.48E-04	
AP	04	692608004	10/03/2024	Ac-228	-1.33E-03	1.24E-03	3.77E-03	U
AP	04	692608004	10/03/2024	Ag-108m	5.60E-05	1.40E-04	4.64E-04	U
AP	04	692608004	10/03/2024	Ag-110m	9.50E-05	3.30E-04	1.13E-03	U
AP	04	692608004	10/03/2024	Ba-140	-3.37E-03	1.42E-02	4.38E-02	U
AP	04	692608004	10/03/2024	Be-7	7.78E-02	1.10E-02	1.06E-02	
AP	04	692608004	10/03/2024	Ce-141	-2.66E-04	6.84E-04	2.25E-03	U
AP	04	692608004	10/03/2024	Ce-144	-7.58E-04	8.27E-04	2.60E-03	U
AP	04	692608004	10/03/2024	Co-57	5.97E-06	8.96E-05	3.03E-04	U
AP	04	692608004	10/03/2024	Co-58	-1.39E-05	3.31E-04	1.10E-03	U
AP	04	692608004	10/03/2024	Co-60	-4.66E-04	3.05E-04	8.09E-04	U
AP	04	692608004	10/03/2024	Cr-51	1.10E-03	6.19E-03	2.04E-02	U
AP	04	692608004	10/03/2024	Cs-134	1.43E-04	2.72E-04	9.40E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	04	692608004	10/03/2024	Cs-137	-1.67E-04	2.16E-04	6.72E-04	U
AP	04	692608004	10/03/2024	Fe-59	-6.31E-04	1.20E-03	3.70E-03	U
AP	04	692608004	10/03/2024	I-131	1.12E-02	2.91E-02	8.75E-02	U
AP	04	692608004	10/03/2024	K-40	5.21E-03	5.06E-03	6.58E-03	U
AP	04	692608004	10/03/2024	La-140	4.57E-03	5.73E-03	2.05E-02	U
AP	04	692608004	10/03/2024	Mn-54	-5.70E-05	2.38E-04	7.76E-04	U
AP	04	692608004	10/03/2024	Nb-95	1.08E-04	3.65E-04	1.25E-03	U
AP	04	692608004	10/03/2024	Ru-103	1.80E-04	4.71E-04	1.55E-03	U
AP	04	692608004	10/03/2024	Ru-106	2.72E-03	2.07E-03	7.29E-03	U
AP	04	692608004	10/03/2024	Sb-124	-1.94E-04	7.74E-04	2.49E-03	U
AP	04	692608004	10/03/2024	Sb-125	9.34E-04	4.50E-04	1.51E-03	U
AP	04	692608004	10/03/2024	Se-75	-1.55E-05	3.00E-04	9.84E-04	U
AP	04	692608004	10/03/2024	Th-228	3.98E-04	7.04E-04	1.09E-03	U
AP	04	692608004	10/03/2024	Zn-65	-9.06E-05	6.15E-04	1.99E-03	U
AP	04	692608004	10/03/2024	Zr-95	-1.08E-03	8.04E-04	2.26E-03	U
AP	04	691028004	10/16/2024	BETA	2.02E-02	9.24E-04	7.59E-04	
AP	04	693548004	10/30/2024	BETA	3.74E-02	1.24E-03	7.42E-04	
AP	04	696801004	11/13/2024	BETA	2.47E-02	9.91E-04	6.97E-04	
AP	04	698513004	11/26/2024	BETA	1.92E-02	9.40E-04	7.70E-04	
AP	04	700779004	12/11/2024	BETA	2.10E-02	8.69E-04	6.55E-04	
AP	04	709930004	12/11/2024	Ac-228	4.05E-04	7.19E-04	2.23E-03	U
AP	04	709930004	12/11/2024	Ag-108m	-5.22E-05	1.10E-04	3.49E-04	U
AP	04	709930004	12/11/2024	Ag-110m	-9.77E-05	1.69E-04	5.02E-04	U
AP	04	709930004	12/11/2024	Ba-140	-9.23E-02	5.60E-02	1.11E-01	U
AP	04	709930004	12/11/2024	Be-7	5.56E-02	6.70E-03	8.63E-03	
AP	04	709930004	12/11/2024	Ce-141	-2.21E-04	5.92E-04	1.89E-03	U
AP	04	709930004	12/11/2024	Ce-144	3.19E-04	4.88E-04	1.65E-03	U
AP	04	709930004	12/11/2024	Co-57	3.81E-06	6.90E-05	2.15E-04	U
AP	04	709930004	12/11/2024	Co-58	1.55E-05	2.77E-04	9.41E-04	U
AP	04	709930004	12/11/2024	Co-60	-9.95E-05	2.33E-04	7.01E-04	U
AP	04	709930004	12/11/2024	Cr-51	-1.39E-03	6.42E-03	2.16E-02	U
AP	04	709930004	12/11/2024	Cs-134	-1.62E-04	1.56E-04	4.42E-04	U
AP	04	709930004	12/11/2024	Cs-137	1.45E-04	1.26E-04	4.49E-04	U
AP	04	709930004	12/11/2024	Fe-59	-1.59E-03	1.23E-03	3.10E-03	U
AP	04	709930004	12/11/2024	I-131	0.00E+00	1.53E-01	0.00E+00	UI
AP	04	709930004	12/11/2024	K-40	6.27E-03	2.62E-03	9.49E-03	U
AP	04	709930004	12/11/2024	La-140	-5.54E-03	1.86E-02	5.86E-02	U
AP	04	709930004	12/11/2024	Mn-54	2.16E-05	1.43E-04	4.89E-04	U
AP	04	709930004	12/11/2024	Nb-95	4.37E-06	3.54E-04	1.23E-03	U
AP	04	709930004	12/11/2024	Ru-103	-5.70E-04	5.13E-04	1.45E-03	U
AP	04	709930004	12/11/2024	Ru-106	-1.65E-03	1.41E-03	3.71E-03	U
AP	04	709930004	12/11/2024	Sb-124	6.28E-05	1.10E-03	3.68E-03	U
AP	04	709930004	12/11/2024	Sb-125	4.68E-04	3.14E-04	1.11E-03	U
AP	04	709930004	12/11/2024	Se-75	-1.08E-04	2.12E-04	6.32E-04	U
AP	04	709930004	12/11/2024	Th-228	8.94E-04	2.60E-04	4.86E-04	
AP	04	709930004	12/11/2024	Zn-65	-4.56E-04	4.42E-04	1.22E-03	U
AP	04	709930004	12/11/2024	Zr-95	2.69E-04	5.37E-04	1.91E-03	U
AP	05	651716005	01/10/2024	BETA	1.30E-02	7.84E-04	8.14E-04	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	05	653020005	01/22/2024	BETA	2.72E-02	1.18E-03	9.03E-04	
AP	05	654242005	02/02/2024	BETA	1.46E-02	9.56E-04	1.05E-03	
AP	05	656650005	02/23/2024	BETA	1.11E-02	5.93E-04	5.37E-04	
AP	05	658328005	03/06/2024	BETA	1.74E-02	1.02E-03	9.96E-04	
AP	05	659761005	03/18/2024	BETA	1.41E-02	9.33E-04	9.90E-04	
AP	05	661558005	04/02/2024	BETA	1.43E-02	8.42E-04	8.67E-04	
AP	05	666039005	04/02/2024	Ac-228	-2.41E-04	4.53E-04	1.51E-03	U
AP	05	666039005	04/02/2024	Ag-108m	-1.56E-05	5.64E-05	1.85E-04	U
AP	05	666039005	04/02/2024	Ag-110m	1.36E-04	1.56E-04	5.39E-04	U
AP	05	666039005	04/02/2024	Ba-140	-8.66E-03	4.54E-02	1.48E-01	U
AP	05	666039005	04/02/2024	Be-7	5.67E-02	6.69E-03	6.89E-03	
AP	05	666039005	04/02/2024	Ce-141	-5.45E-04	6.86E-04	2.08E-03	U
AP	05	666039005	04/02/2024	Ce-144	-4.08E-04	4.24E-04	1.26E-03	U
AP	05	666039005	04/02/2024	Co-57	-6.69E-06	6.63E-05	2.04E-04	U
AP	05	666039005	04/02/2024	Co-58	2.26E-04	1.61E-04	5.94E-04	U
AP	05	666039005	04/02/2024	Co-60	3.50E-05	9.74E-05	3.39E-04	U
AP	05	666039005	04/02/2024	Cr-51	7.74E-03	6.37E-03	2.23E-02	U
AP	05	666039005	04/02/2024	Cs-134	1.36E-05	8.43E-05	2.65E-04	U
AP	05	666039005	04/02/2024	Cs-137	7.18E-05	6.89E-05	2.46E-04	U
AP	05	666039005	04/02/2024	Fe-59	-4.55E-04	7.36E-04	2.27E-03	U
AP	05	666039005	04/02/2024	I-131	-3.03E-01	2.67E-01	0.00E+00	U
AP	05	666039005	04/02/2024	K-40	1.15E-03	1.53E-03	5.80E-03	U
AP	05	666039005	04/02/2024	La-140	-1.07E-02	1.77E-02	4.99E-02	U
AP	05	666039005	04/02/2024	Mn-54	8.24E-05	1.28E-04	2.25E-04	U
AP	05	666039005	04/02/2024	Nb-95	2.21E-04	2.53E-04	8.67E-04	U
AP	05	666039005	04/02/2024	Ru-103	1.34E-04	3.38E-04	1.16E-03	U
AP	05	666039005	04/02/2024	Ru-106	6.89E-04	7.26E-04	2.56E-03	U
AP	05	666039005	04/02/2024	Sb-124	1.59E-05	7.22E-04	2.36E-03	U
AP	05	666039005	04/02/2024	Sb-125	-1.05E-04	1.97E-04	6.29E-04	U
AP	05	666039005	04/02/2024	Se-75	-2.59E-04	1.69E-04	4.30E-04	U
AP	05	666039005	04/02/2024	Th-228	4.04E-04	2.28E-04	5.69E-04	U
AP	05	666039005	04/02/2024	Zn-65	-1.62E-04	1.97E-04	5.64E-04	U
AP	05	666039005	04/02/2024	Zr-95	5.92E-04	3.37E-04	1.24E-03	U
AP	05	664295005	04/17/2024	BETA	1.03E-02	6.24E-04	6.33E-04	
AP	05	666183005	05/01/2024	BETA	1.44E-02	7.61E-04	6.98E-04	
AP	05	668262005	05/16/2024	BETA	4.21E-02	2.12E-03	1.81E-03	
AP	05	669556005	05/29/2024	BETA	8.35E-02	2.93E-03	1.79E-03	
AP	05	671929005	06/12/2024	BETA	1.42E-02	7.18E-04	6.32E-04	
AP	05	673489005	06/26/2024	BETA	2.19E-02	8.82E-04	6.36E-04	
AP	05	678492005	06/26/2024	Ac-228	1.81E-04	5.68E-04	1.96E-03	U
AP	05	678492005	06/26/2024	Ag-108m	-8.46E-06	7.09E-05	2.33E-04	U
AP	05	678492005	06/26/2024	Ag-110m	-1.60E-04	1.47E-04	4.27E-04	U
AP	05	678492005	06/26/2024	Ba-140	9.13E-03	5.57E-03	1.90E-02	U
AP	05	678492005	06/26/2024	Be-7	7.54E-02	5.89E-03	4.86E-03	
AP	05	678492005	06/26/2024	Ce-141	1.54E-05	2.58E-04	8.19E-04	U
AP	05	678492005	06/26/2024	Ce-144	-3.62E-04	4.49E-04	1.34E-03	U
AP	05	678492005	06/26/2024	Co-57	-6.13E-05	5.77E-05	1.67E-04	U
AP	05	678492005	06/26/2024	Co-58	1.06E-04	1.41E-04	4.42E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	05	678492005	06/26/2024	Co-60	2.67E-04	1.31E-04	4.78E-04	U
AP	05	678492005	06/26/2024	Cr-51	-2.60E-03	2.05E-03	6.02E-03	U
AP	05	678492005	06/26/2024	Cs-134	1.58E-04	1.12E-04	3.89E-04	U
AP	05	678492005	06/26/2024	Cs-137	-4.35E-05	9.23E-05	2.81E-04	U
AP	05	678492005	06/26/2024	Fe-59	9.46E-05	3.78E-04	1.30E-03	U
AP	05	678492005	06/26/2024	I-131	-2.79E-03	5.95E-03	1.91E-02	U
AP	05	678492005	06/26/2024	K-40	0.00E+00	1.86E-03	3.06E-03	U
AP	05	678492005	06/26/2024	La-140	3.23E-04	2.13E-03	7.03E-03	U
AP	05	678492005	06/26/2024	Mn-54	-1.45E-04	1.15E-04	3.30E-04	U
AP	05	678492005	06/26/2024	Nb-95	-2.08E-04	1.67E-04	4.24E-04	U
AP	05	678492005	06/26/2024	Ru-103	-6.53E-05	1.80E-04	5.72E-04	U
AP	05	678492005	06/26/2024	Ru-106	2.46E-04	8.88E-04	2.94E-03	U
AP	05	678492005	06/26/2024	Sb-124	-1.93E-04	4.19E-04	1.23E-03	U
AP	05	678492005	06/26/2024	Sb-125	2.86E-04	2.10E-04	7.31E-04	U
AP	05	678492005	06/26/2024	Se-75	5.80E-05	1.15E-04	3.98E-04	U
AP	05	678492005	06/26/2024	Th-228	0.00E+00	2.70E-04	6.46E-04	U
AP	05	678492005	06/26/2024	Zn-65	-4.08E-04	3.27E-04	7.36E-04	U
AP	05	678492005	06/26/2024	Zr-95	5.75E-05	2.45E-04	7.26E-04	U
AP	05	675735005	07/10/2024	BETA	2.45E-02	9.27E-04	6.34E-04	
AP	05	678816005	07/29/2024	BETA	1.88E-02	7.02E-04	5.92E-04	
AP	05	680183005	08/07/2024	BETA	2.60E-02	1.22E-03	9.84E-04	
AP	05	682491005	08/20/2024	BETA	1.99E-02	1.70E-03	6.47E-04	
AP	05	686839005	09/17/2024	BETA	2.54E-02	9.70E-04	6.58E-04	
AP	05	689305005	10/03/2024	BETA	1.56E-02	6.92E-04	5.43E-04	
AP	05	692608005	10/03/2024	Ac-228	1.65E-04	4.78E-04	1.67E-03	U
AP	05	692608005	10/03/2024	Ag-108m	7.00E-05	6.56E-05	2.27E-04	U
AP	05	692608005	10/03/2024	Ag-110m	-7.30E-05	1.15E-04	3.57E-04	U
AP	05	692608005	10/03/2024	Ba-140	-2.99E-03	7.48E-03	2.07E-02	U
AP	05	692608005	10/03/2024	Be-7	8.48E-02	6.36E-03	4.03E-03	
AP	05	692608005	10/03/2024	Ce-141	5.45E-04	6.20E-04	9.62E-04	U
AP	05	692608005	10/03/2024	Ce-144	-2.01E-04	4.10E-04	1.26E-03	U
AP	05	692608005	10/03/2024	Co-57	7.83E-06	4.45E-05	1.44E-04	U
AP	05	692608005	10/03/2024	Co-58	5.12E-05	1.53E-04	4.80E-04	U
AP	05	692608005	10/03/2024	Co-60	-1.48E-05	9.25E-05	2.96E-04	U
AP	05	692608005	10/03/2024	Cr-51	-6.63E-04	2.24E-03	7.38E-03	U
AP	05	692608005	10/03/2024	Cs-134	1.12E-04	9.23E-05	3.23E-04	U
AP	05	692608005	10/03/2024	Cs-137	-2.77E-05	9.44E-05	2.95E-04	U
AP	05	692608005	10/03/2024	Fe-59	-1.80E-04	3.53E-04	1.09E-03	U
AP	05	692608005	10/03/2024	I-131	2.00E-03	1.18E-02	3.97E-02	U
AP	05	692608005	10/03/2024	K-40	8.43E-04	1.66E-03	2.56E-03	U
AP	05	692608005	10/03/2024	La-140	-2.22E-03	2.57E-03	6.86E-03	U
AP	05	692608005	10/03/2024	Mn-54	-2.66E-05	8.80E-05	2.90E-04	U
AP	05	692608005	10/03/2024	Nb-95	-8.38E-06	1.61E-04	5.09E-04	U
AP	05	692608005	10/03/2024	Ru-103	8.73E-05	2.17E-04	6.61E-04	U
AP	05	692608005	10/03/2024	Ru-106	3.13E-04	7.79E-04	2.60E-03	U
AP	05	692608005	10/03/2024	Sb-124	-4.87E-05	3.89E-04	1.22E-03	U
AP	05	692608005	10/03/2024	Sb-125	7.53E-05	2.06E-04	6.97E-04	U
AP	05	692608005	10/03/2024	Se-75	-4.34E-05	1.24E-04	4.13E-04	U
AP	05	692608005	10/03/2024	Th-228	0.00E+00	2.71E-04	3.49E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	05	692608005	10/03/2024	Zn-65	1.84E-04	2.39E-04	8.46E-04	U
AP	05	692608005	10/03/2024	Zr-95	-1.16E-04	2.32E-04	6.85E-04	U
AP	05	691028005	10/16/2024	BETA	1.75E-02	8.13E-04	6.73E-04	
AP	05	693548005	10/30/2024	BETA	2.66E-02	9.63E-04	6.21E-04	
AP	05	696801005	11/13/2024	BETA	2.00E-02	8.25E-04	6.30E-04	
AP	05	698513005	11/26/2024	BETA	1.59E-02	7.70E-04	6.72E-04	
AP	05	700779005	12/11/2024	BETA	1.68E-02	7.26E-04	5.90E-04	
AP	05	709930005	12/11/2024	Ac-228	1.08E-03	7.20E-04	1.90E-03	U
AP	05	709930005	12/11/2024	Ag-108m	3.46E-05	7.54E-05	2.58E-04	U
AP	05	709930005	12/11/2024	Ag-110m	7.95E-05	1.73E-04	5.99E-04	U
AP	05	709930005	12/11/2024	Ba-140	-5.65E-02	4.37E-02	1.01E-01	U
AP	05	709930005	12/11/2024	Be-7	3.72E-02	6.23E-03	8.09E-03	
AP	05	709930005	12/11/2024	Ce-141	-1.50E-04	5.03E-04	1.62E-03	U
AP	05	709930005	12/11/2024	Ce-144	-4.03E-05	4.07E-04	1.34E-03	U
AP	05	709930005	12/11/2024	Co-57	-2.44E-05	5.15E-05	1.66E-04	U
AP	05	709930005	12/11/2024	Co-58	-1.17E-05	2.11E-04	7.01E-04	U
AP	05	709930005	12/11/2024	Co-60	-1.01E-04	1.13E-04	3.18E-04	U
AP	05	709930005	12/11/2024	Cr-51	-1.06E-03	5.12E-03	1.72E-02	U
AP	05	709930005	12/11/2024	Cs-134	1.30E-04	1.26E-04	4.49E-04	U
AP	05	709930005	12/11/2024	Cs-137	-1.03E-04	1.13E-04	3.28E-04	U
AP	05	709930005	12/11/2024	Fe-59	-9.21E-04	7.68E-04	1.94E-03	U
AP	05	709930005	12/11/2024	I-131	-3.46E-02	1.24E-01	0.00E+00	U
AP	05	709930005	12/11/2024	K-40	-1.06E-04	1.84E-03	6.40E-03	U
AP	05	709930005	12/11/2024	La-140	-6.43E-03	9.53E-03	2.56E-02	U
AP	05	709930005	12/11/2024	Mn-54	-2.00E-04	1.32E-04	3.41E-04	U
AP	05	709930005	12/11/2024	Nb-95	1.78E-04	2.28E-04	8.11E-04	U
AP	05	709930005	12/11/2024	Ru-103	-1.65E-04	4.02E-04	1.26E-03	U
AP	05	709930005	12/11/2024	Ru-106	-5.69E-04	1.06E-03	3.17E-03	U
AP	05	709930005	12/11/2024	Sb-124	8.21E-05	6.93E-04	2.32E-03	U
AP	05	709930005	12/11/2024	Sb-125	1.59E-04	2.32E-04	8.03E-04	U
AP	05	709930005	12/11/2024	Se-75	5.16E-05	1.49E-04	4.77E-04	U
AP	05	709930005	12/11/2024	Th-228	2.83E-04	2.50E-04	6.21E-04	U
AP	05	709930005	12/11/2024	Zn-65	-3.94E-05	3.02E-04	9.61E-04	U
AP	05	709930005	12/11/2024	Zr-95	-1.84E-04	4.34E-04	1.40E-03	U
AP	07	651716006	01/10/2024	BETA	1.48E-02	8.32E-04	8.16E-04	
AP	07	653020006	01/22/2024	BETA	2.25E-02	1.08E-03	9.35E-04	
AP	07	654242006	02/02/2024	BETA	1.62E-02	9.85E-04	1.01E-03	
AP	07	656650006	02/23/2024	BETA	1.30E-02	6.32E-04	5.35E-04	
AP	07	658328006	03/06/2024	BETA	1.67E-02	9.69E-04	9.56E-04	
AP	07	659761006	03/18/2024	BETA	1.21E-02	8.45E-04	9.42E-04	
AP	07	661558006	04/02/2024	BETA	1.62E-02	8.74E-04	7.78E-04	
AP	07	666039006	04/02/2024	Ac-228	-1.04E-05	4.51E-04	1.58E-03	U
AP	07	666039006	04/02/2024	Ag-108m	8.35E-06	5.83E-05	1.88E-04	U
AP	07	666039006	04/02/2024	Ag-110m	-2.72E-04	1.77E-04	4.54E-04	U
AP	07	666039006	04/02/2024	Ba-140	-3.27E-02	5.46E-02	1.72E-01	U
AP	07	666039006	04/02/2024	Be-7	5.81E-02	7.06E-03	7.78E-03	
AP	07	666039006	04/02/2024	Ce-141	-2.62E-05	6.26E-04	1.99E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	07	666039006	04/02/2024	Ce-144	-6.77E-04	4.40E-04	1.07E-03	U
AP	07	666039006	04/02/2024	Co-57	-1.44E-05	5.45E-05	1.73E-04	U
AP	07	666039006	04/02/2024	Co-58	-7.37E-05	1.87E-04	6.02E-04	U
AP	07	666039006	04/02/2024	Co-60	4.83E-05	1.18E-04	4.12E-04	U
AP	07	666039006	04/02/2024	Cr-51	3.57E-04	5.76E-03	1.90E-02	U
AP	07	666039006	04/02/2024	Cs-134	1.24E-04	1.26E-04	3.42E-04	U
AP	07	666039006	04/02/2024	Cs-137	1.48E-04	1.07E-04	3.70E-04	U
AP	07	666039006	04/02/2024	Fe-59	8.50E-04	8.30E-04	2.96E-03	U
AP	07	666039006	04/02/2024	I-131	-5.33E-01	3.23E-01	0.00E+00	U
AP	07	666039006	04/02/2024	K-40	3.81E-04	1.89E-03	6.79E-03	U
AP	07	666039006	04/02/2024	La-140	-5.18E-04	2.47E-02	8.09E-02	U
AP	07	666039006	04/02/2024	Mn-54	-6.85E-05	1.33E-04	3.61E-04	U
AP	07	666039006	04/02/2024	Nb-95	2.05E-04	2.04E-04	7.18E-04	U
AP	07	666039006	04/02/2024	Ru-103	3.43E-04	3.46E-04	1.23E-03	U
AP	07	666039006	04/02/2024	Ru-106	1.98E-03	1.37E-03	3.02E-03	U
AP	07	666039006	04/02/2024	Sb-124	2.14E-04	5.29E-04	1.87E-03	U
AP	07	666039006	04/02/2024	Sb-125	1.01E-04	2.19E-04	7.19E-04	U
AP	07	666039006	04/02/2024	Se-75	-3.23E-04	1.67E-04	4.27E-04	U
AP	07	666039006	04/02/2024	Th-228	0.00E+00	2.56E-04	3.52E-04	U
AP	07	666039006	04/02/2024	Zn-65	-1.10E-04	2.71E-04	8.34E-04	U
AP	07	666039006	04/02/2024	Zr-95	-4.77E-04	5.14E-04	1.47E-03	U
AP	07	664295006	04/17/2024	BETA	1.05E-02	7.32E-04	8.14E-04	
AP	07	666183006	05/01/2024	BETA	1.69E-02	7.92E-04	6.17E-04	
AP	07	668262006	05/16/2024	BETA	6.46E-03	4.62E-04	5.16E-04	M
AP	07	669556006	05/29/2024	BETA	1.32E-02	7.25E-04	6.95E-04	
AP	07	671929006	06/12/2024	BETA	1.36E-02	7.09E-04	6.25E-04	
AP	07	673489006	06/26/2024	BETA	2.35E-02	9.27E-04	6.45E-04	
AP	07	678492006	06/26/2024	Ac-228	-2.92E-04	5.12E-04	1.61E-03	U
AP	07	678492006	06/26/2024	Ag-108m	1.69E-05	7.68E-05	2.56E-04	U
AP	07	678492006	06/26/2024	Ag-110m	1.40E-04	1.69E-04	5.20E-04	U
AP	07	678492006	06/26/2024	Ba-140	-3.72E-03	4.45E-03	1.32E-02	U
AP	07	678492006	06/26/2024	Be-7	4.60E-02	4.98E-03	4.72E-03	
AP	07	678492006	06/26/2024	Ce-141	4.42E-04	3.08E-04	1.04E-03	U
AP	07	678492006	06/26/2024	Ce-144	-3.03E-04	4.73E-04	1.55E-03	U
AP	07	678492006	06/26/2024	Co-57	1.22E-05	6.06E-05	2.07E-04	U
AP	07	678492006	06/26/2024	Co-58	-1.84E-04	1.43E-04	3.68E-04	U
AP	07	678492006	06/26/2024	Co-60	-5.33E-05	9.85E-05	3.01E-04	U
AP	07	678492006	06/26/2024	Cr-51	-7.46E-04	2.34E-03	7.62E-03	U
AP	07	678492006	06/26/2024	Cs-134	3.96E-05	1.26E-04	4.15E-04	U
AP	07	678492006	06/26/2024	Cs-137	3.84E-05	1.17E-04	3.60E-04	U
AP	07	678492006	06/26/2024	Fe-59	2.92E-05	4.81E-04	1.63E-03	U
AP	07	678492006	06/26/2024	I-131	9.56E-03	7.26E-03	2.45E-02	U
AP	07	678492006	06/26/2024	K-40	-3.94E-03	1.79E-03	3.74E-03	U
AP	07	678492006	06/26/2024	La-140	-1.01E-03	1.83E-03	5.49E-03	U
AP	07	678492006	06/26/2024	Mn-54	-1.26E-04	1.25E-04	3.55E-04	U
AP	07	678492006	06/26/2024	Nb-95	2.20E-04	1.86E-04	6.33E-04	U
AP	07	678492006	06/26/2024	Ru-103	2.41E-04	2.01E-04	6.87E-04	U
AP	07	678492006	06/26/2024	Ru-106	8.69E-04	8.85E-04	3.03E-03	U
AP	07	678492006	06/26/2024	Sb-124	-1.26E-03	6.30E-04	1.08E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	07	678492006	06/26/2024	Sb-125	-5.18E-05	2.50E-04	8.14E-04	U
AP	07	678492006	06/26/2024	Se-75	1.48E-05	1.33E-04	4.45E-04	U
AP	07	678492006	06/26/2024	Th-228	4.19E-04	2.94E-04	5.92E-04	U
AP	07	678492006	06/26/2024	Zn-65	9.12E-05	1.95E-04	6.88E-04	U
AP	07	678492006	06/26/2024	Zr-95	-1.45E-05	2.52E-04	8.09E-04	U
AP	07	675735006	07/10/2024	BETA	2.31E-02	9.15E-04	6.14E-04	
AP	07	678816006	07/29/2024	BETA	2.25E-02	1.46E-03	1.62E-03	
AP	07	682491006	08/20/2024	BETA	2.00E-02	1.66E-03	6.48E-04	
AP	07	686839006	09/17/2024	BETA	2.80E-02	9.85E-04	6.27E-04	
AP	07	689305006	10/03/2024	BETA	2.01E-02	7.68E-04	5.26E-04	
AP	07	692608006	10/03/2024	Ac-228	9.85E-04	1.00E-03	2.47E-03	U
AP	07	692608006	10/03/2024	Ag-108m	-3.32E-05	7.42E-05	2.40E-04	U
AP	07	692608006	10/03/2024	Ag-110m	-4.42E-05	1.70E-04	5.24E-04	U
AP	07	692608006	10/03/2024	Ba-140	-4.35E-03	1.01E-02	2.73E-02	U
AP	07	692608006	10/03/2024	Be-7	8.58E-02	7.31E-03	4.51E-03	
AP	07	692608006	10/03/2024	Ce-141	-4.46E-04	3.58E-04	1.02E-03	U
AP	07	692608006	10/03/2024	Ce-144	1.05E-04	4.56E-04	1.52E-03	U
AP	07	692608006	10/03/2024	Co-57	-1.83E-05	5.53E-05	1.78E-04	U
AP	07	692608006	10/03/2024	Co-58	3.67E-04	2.35E-04	7.82E-04	U
AP	07	692608006	10/03/2024	Co-60	-1.18E-04	1.50E-04	4.35E-04	U
AP	07	692608006	10/03/2024	Cr-51	5.08E-05	3.32E-03	1.03E-02	U
AP	07	692608006	10/03/2024	Cs-134	7.89E-05	1.41E-04	4.82E-04	U
AP	07	692608006	10/03/2024	Cs-137	-9.53E-05	1.11E-04	3.24E-04	U
AP	07	692608006	10/03/2024	Fe-59	4.04E-04	5.45E-04	1.98E-03	U
AP	07	692608006	10/03/2024	I-131	5.14E-03	1.32E-02	4.61E-02	U
AP	07	692608006	10/03/2024	K-40	-1.53E-03	2.28E-03	7.44E-03	U
AP	07	692608006	10/03/2024	La-140	-2.43E-05	3.53E-03	1.16E-02	U
AP	07	692608006	10/03/2024	Mn-54	5.25E-05	1.13E-04	3.86E-04	U
AP	07	692608006	10/03/2024	Nb-95	1.44E-05	1.97E-04	5.80E-04	U
AP	07	692608006	10/03/2024	Ru-103	-1.05E-04	2.36E-04	7.54E-04	U
AP	07	692608006	10/03/2024	Ru-106	-2.34E-04	9.39E-04	3.01E-03	U
AP	07	692608006	10/03/2024	Sb-124	1.09E-03	6.24E-04	2.45E-03	U
AP	07	692608006	10/03/2024	Sb-125	1.84E-04	2.46E-04	8.72E-04	U
AP	07	692608006	10/03/2024	Se-75	1.23E-04	1.45E-04	4.81E-04	U
AP	07	692608006	10/03/2024	Th-228	6.04E-04	3.42E-04	7.84E-04	U
AP	07	692608006	10/03/2024	Zn-65	8.85E-06	3.16E-04	1.08E-03	U
AP	07	692608006	10/03/2024	Zr-95	-1.19E-05	3.44E-04	1.12E-03	U
AP	07	691028006	10/16/2024	BETA	1.53E-02	7.22E-04	5.77E-04	
AP	07	693548006	10/30/2024	BETA	3.93E-02	1.20E-03	6.92E-04	
AP	07	696801006	11/13/2024	BETA	2.58E-02	9.25E-04	5.90E-04	
AP	07	698513006	11/26/2024	BETA	2.04E-02	8.68E-04	6.51E-04	
AP	07	700779006	12/11/2024	BETA	2.38E-02	8.78E-04	5.81E-04	
AP	07	709930006	12/11/2024	Ac-228	-4.07E-04	4.35E-04	1.28E-03	U
AP	07	709930006	12/11/2024	Ag-108m	6.81E-05	6.34E-05	2.19E-04	U
AP	07	709930006	12/11/2024	Ag-110m	1.93E-05	1.55E-04	5.24E-04	U
AP	07	709930006	12/11/2024	Ba-140	2.98E-02	2.92E-02	9.19E-02	U
AP	07	709930006	12/11/2024	Be-7	4.29E-02	5.57E-03	6.41E-03	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	07	709930006	12/11/2024	Ce-141	-5.58E-04	5.81E-04	1.67E-03	U
AP	07	709930006	12/11/2024	Ce-144	-7.69E-04	4.53E-04	1.20E-03	U
AP	07	709930006	12/11/2024	Co-57	5.13E-05	5.43E-05	1.80E-04	U
AP	07	709930006	12/11/2024	Co-58	1.04E-04	1.76E-04	6.20E-04	U
AP	07	709930006	12/11/2024	Co-60	-3.07E-05	1.18E-04	3.68E-04	U
AP	07	709930006	12/11/2024	Cr-51	3.45E-03	4.78E-03	1.65E-02	U
AP	07	709930006	12/11/2024	Cs-134	-8.45E-05	8.60E-05	2.41E-04	U
AP	07	709930006	12/11/2024	Cs-137	5.67E-05	8.62E-05	2.89E-04	U
AP	07	709930006	12/11/2024	Fe-59	-6.42E-05	6.09E-04	1.98E-03	U
AP	07	709930006	12/11/2024	I-131	-4.03E-02	1.26E-01	0.00E+00	U
AP	07	709930006	12/11/2024	K-40	5.73E-03	1.97E-03	2.77E-03	
AP	07	709930006	12/11/2024	La-140	-7.02E-03	1.18E-02	3.62E-02	U
AP	07	709930006	12/11/2024	Mn-54	1.03E-04	1.08E-04	3.81E-04	U
AP	07	709930006	12/11/2024	Nb-95	-1.77E-04	2.05E-04	6.33E-04	U
AP	07	709930006	12/11/2024	Ru-103	-1.42E-04	3.23E-04	8.91E-04	U
AP	07	709930006	12/11/2024	Ru-106	1.89E-04	9.15E-04	2.98E-03	U
AP	07	709930006	12/11/2024	Sb-124	3.62E-05	5.62E-04	1.90E-03	U
AP	07	709930006	12/11/2024	Sb-125	-2.10E-04	1.99E-04	5.83E-04	U
AP	07	709930006	12/11/2024	Se-75	-1.34E-04	1.41E-04	4.48E-04	U
AP	07	709930006	12/11/2024	Th-228	7.14E-04	2.76E-04	3.90E-04	
AP	07	709930006	12/11/2024	Zn-65	-3.40E-04	2.65E-04	6.62E-04	U
AP	07	709930006	12/11/2024	Zr-95	-1.74E-04	3.29E-04	1.06E-03	U
AP	08	651716007	01/10/2024	BETA	1.53E-02	7.44E-04	6.82E-04	
AP	08	653020007	01/22/2024	BETA	2.65E-02	1.06E-03	7.87E-04	
AP	08	654242007	02/02/2024	BETA	1.45E-02	8.34E-04	8.38E-04	
AP	08	656650007	02/23/2024	BETA	1.33E-02	5.71E-04	4.13E-04	
AP	08	658328007	03/06/2024	BETA	1.70E-02	8.51E-04	7.07E-04	
AP	08	659761007	03/18/2024	BETA	1.42E-02	7.92E-04	7.55E-04	
AP	08	661558007	04/02/2024	BETA	1.45E-02	7.05E-04	5.83E-04	
AP	08	666039007	04/02/2024	Ac-228	7.30E-04	4.82E-04	1.26E-03	U
AP	08	666039007	04/02/2024	Ag-108m	-7.12E-05	6.34E-05	1.85E-04	U
AP	08	666039007	04/02/2024	Ag-110m	-2.95E-05	1.12E-04	3.57E-04	U
AP	08	666039007	04/02/2024	Ba-140	-6.87E-02	5.00E-02	1.08E-01	U
AP	08	666039007	04/02/2024	Be-7	7.42E-02	7.26E-03	5.73E-03	
AP	08	666039007	04/02/2024	Ce-141	-9.19E-04	5.79E-04	1.49E-03	U
AP	08	666039007	04/02/2024	Ce-144	1.18E-04	3.15E-04	1.07E-03	U
AP	08	666039007	04/02/2024	Co-57	-2.95E-05	3.94E-05	1.24E-04	U
AP	08	666039007	04/02/2024	Co-58	1.47E-05	1.73E-04	5.45E-04	U
AP	08	666039007	04/02/2024	Co-60	1.45E-06	1.05E-04	3.53E-04	U
AP	08	666039007	04/02/2024	Cr-51	-7.72E-05	5.78E-03	1.97E-02	U
AP	08	666039007	04/02/2024	Cs-134	-7.90E-05	9.08E-05	2.71E-04	U
AP	08	666039007	04/02/2024	Cs-137	5.38E-05	8.89E-05	2.95E-04	U
AP	08	666039007	04/02/2024	Fe-59	-6.88E-04	7.22E-04	1.98E-03	U
AP	08	666039007	04/02/2024	I-131	0.00E+00	2.68E-01	0.00E+00	UI
AP	08	666039007	04/02/2024	K-40	0.00E+00	1.63E-03	2.36E-03	U
AP	08	666039007	04/02/2024	La-140	-9.02E-03	1.97E-02	5.99E-02	U
AP	08	666039007	04/02/2024	Mn-54	8.36E-05	1.00E-04	3.53E-04	U
AP	08	666039007	04/02/2024	Nb-95	4.74E-04	2.43E-04	7.36E-04	U
AP	08	666039007	04/02/2024	Ru-103	-5.68E-04	3.56E-04	9.05E-04	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	08	666039007	04/02/2024	Ru-106	1.04E-04	7.07E-04	2.30E-03	U
AP	08	666039007	04/02/2024	Sb-124	7.82E-04	5.90E-04	2.25E-03	U
AP	08	666039007	04/02/2024	Sb-125	-2.53E-04	1.86E-04	5.16E-04	U
AP	08	666039007	04/02/2024	Se-75	7.42E-06	1.28E-04	4.01E-04	U
AP	08	666039007	04/02/2024	Th-228	5.61E-04	1.74E-04	2.71E-04	
AP	08	666039007	04/02/2024	Zn-65	-4.38E-04	2.77E-04	6.74E-04	U
AP	08	666039007	04/02/2024	Zr-95	1.08E-04	3.75E-04	1.16E-03	U
AP	08	664295007	04/17/2024	BETA	1.10E-02	6.38E-04	6.21E-04	
AP	08	666183007	05/01/2024	BETA	1.97E-02	8.59E-04	6.75E-04	
AP	08	668262007	05/16/2024	BETA	1.16E-02	6.51E-04	6.10E-04	
AP	08	669556007	05/29/2024	BETA	1.45E-02	7.97E-04	7.21E-04	
AP	08	671929007	06/12/2024	BETA	1.57E-02	8.00E-04	7.40E-04	
AP	08	673489007	06/26/2024	BETA	2.32E-02	9.75E-04	7.53E-04	
AP	08	678492007	06/26/2024	Ac-228	5.13E-04	5.12E-04	1.76E-03	U
AP	08	678492007	06/26/2024	Ag-108m	1.51E-05	5.95E-05	2.01E-04	U
AP	08	678492007	06/26/2024	Ag-110m	1.94E-04	1.50E-04	5.28E-04	U
AP	08	678492007	06/26/2024	Ba-140	-5.37E-04	4.02E-03	1.29E-02	U
AP	08	678492007	06/26/2024	Be-7	6.00E-02	5.25E-03	4.18E-03	
AP	08	678492007	06/26/2024	Ce-141	3.33E-04	4.77E-04	7.21E-04	U
AP	08	678492007	06/26/2024	Ce-144	6.23E-04	3.78E-04	1.27E-03	U
AP	08	678492007	06/26/2024	Co-57	-5.30E-05	4.07E-05	1.17E-04	U
AP	08	678492007	06/26/2024	Co-58	-1.85E-04	1.27E-04	3.18E-04	U
AP	08	678492007	06/26/2024	Co-60	-7.53E-07	1.19E-04	3.98E-04	U
AP	08	678492007	06/26/2024	Cr-51	3.63E-04	2.19E-03	6.79E-03	U
AP	08	678492007	06/26/2024	Cs-134	2.36E-04	1.26E-04	4.46E-04	U
AP	08	678492007	06/26/2024	Cs-137	7.29E-05	9.46E-05	3.20E-04	U
AP	08	678492007	06/26/2024	Fe-59	6.12E-04	4.62E-04	1.65E-03	U
AP	08	678492007	06/26/2024	I-131	-6.67E-03	6.07E-03	1.82E-02	U
AP	08	678492007	06/26/2024	K-40	8.43E-03	2.24E-03	3.22E-03	
AP	08	678492007	06/26/2024	La-140	-7.54E-03	3.05E-03	4.30E-03	U
AP	08	678492007	06/26/2024	Mn-54	5.57E-06	1.04E-04	3.48E-04	U
AP	08	678492007	06/26/2024	Nb-95	1.30E-04	1.68E-04	5.92E-04	U
AP	08	678492007	06/26/2024	Ru-103	1.86E-06	1.63E-04	5.34E-04	U
AP	08	678492007	06/26/2024	Ru-106	-9.68E-04	8.25E-04	2.18E-03	U
AP	08	678492007	06/26/2024	Sb-124	-4.50E-04	5.30E-04	1.48E-03	U
AP	08	678492007	06/26/2024	Sb-125	9.93E-05	2.01E-04	6.89E-04	U
AP	08	678492007	06/26/2024	Se-75	-4.17E-05	1.12E-04	3.39E-04	U
AP	08	678492007	06/26/2024	Th-228	0.00E+00	2.86E-04	5.35E-04	U
AP	08	678492007	06/26/2024	Zn-65	2.13E-05	2.35E-04	7.69E-04	U
AP	08	678492007	06/26/2024	Zr-95	1.91E-04	2.41E-04	8.64E-04	U
AP	08	675735007	07/10/2024	BETA	2.87E-02	1.17E-03	8.61E-04	
AP	08	678816007	07/29/2024	BETA	3.10E-02	1.11E-03	7.00E-04	
AP	08	680183006	08/07/2024	BETA	2.40E-02	1.32E-03	1.21E-03	
AP	08	682491007	08/20/2024	BETA	2.09E-02	1.98E-03	7.81E-04	
AP	08	686839007	09/17/2024	BETA	2.66E-02	1.15E-03	9.01E-04	
AP	08	689305007	10/03/2024	BETA	1.69E-02	8.43E-04	7.01E-04	
AP	08	692608007	10/03/2024	Ac-228	0.00E+00	1.08E-03	2.73E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	08	692608007	10/03/2024	Ag-108m	2.21E-04	1.16E-04	3.95E-04	U
AP	08	692608007	10/03/2024	Ag-110m	-9.91E-05	2.24E-04	7.10E-04	U
AP	08	692608007	10/03/2024	Ba-140	-1.44E-02	1.27E-02	2.79E-02	U
AP	08	692608007	10/03/2024	Be-7	7.31E-02	6.89E-03	6.89E-03	
AP	08	692608007	10/03/2024	Ce-141	-5.28E-05	4.53E-04	1.46E-03	U
AP	08	692608007	10/03/2024	Ce-144	-5.41E-04	5.86E-04	1.77E-03	U
AP	08	692608007	10/03/2024	Co-57	1.67E-04	1.04E-04	2.28E-04	U
AP	08	692608007	10/03/2024	Co-58	-1.87E-04	2.13E-04	6.31E-04	U
AP	08	692608007	10/03/2024	Co-60	-9.39E-05	1.62E-04	4.65E-04	U
AP	08	692608007	10/03/2024	Cr-51	1.09E-03	3.37E-03	1.16E-02	U
AP	08	692608007	10/03/2024	Cs-134	-7.02E-06	1.35E-04	4.51E-04	U
AP	08	692608007	10/03/2024	Cs-137	-3.81E-05	1.23E-04	3.75E-04	U
AP	08	692608007	10/03/2024	Fe-59	-6.46E-04	6.94E-04	1.93E-03	U
AP	08	692608007	10/03/2024	I-131	5.96E-03	1.69E-02	5.79E-02	U
AP	08	692608007	10/03/2024	K-40	1.02E-02	2.24E-03	4.63E-03	
AP	08	692608007	10/03/2024	La-140	2.96E-04	4.16E-03	1.40E-02	U
AP	08	692608007	10/03/2024	Mn-54	-9.00E-05	1.31E-04	3.98E-04	U
AP	08	692608007	10/03/2024	Nb-95	-2.69E-05	2.62E-04	8.79E-04	U
AP	08	692608007	10/03/2024	Ru-103	-5.93E-04	3.92E-04	8.63E-04	U
AP	08	692608007	10/03/2024	Ru-106	6.85E-04	1.34E-03	4.47E-03	U
AP	08	692608007	10/03/2024	Sb-124	2.40E-04	5.06E-04	1.84E-03	U
AP	08	692608007	10/03/2024	Sb-125	-1.44E-04	3.12E-04	9.91E-04	U
AP	08	692608007	10/03/2024	Se-75	3.42E-05	1.81E-04	6.29E-04	U
AP	08	692608007	10/03/2024	Th-228	5.79E-04	3.61E-04	8.57E-04	U
AP	08	692608007	10/03/2024	Zn-65	-3.01E-04	3.55E-04	1.00E-03	U
AP	08	692608007	10/03/2024	Zr-95	4.49E-04	3.73E-04	1.37E-03	U
AP	08	691028007	10/16/2024	BETA	2.66E-02	1.17E-03	8.99E-04	
AP	08	693548007	10/30/2024	BETA	2.61E-02	1.13E-03	8.48E-04	
AP	08	696801007	11/13/2024	BETA	2.20E-02	1.08E-03	9.74E-04	
AP	08	698513007	11/26/2024	BETA	1.62E-02	9.97E-04	1.04E-03	
AP	08	700779007	12/11/2024	BETA	1.80E-02	8.61E-04	7.36E-04	
AP	08	709930007	12/11/2024	Ac-228	8.47E-04	1.85E-03	4.34E-03	U
AP	08	709930007	12/11/2024	Ag-108m	-2.76E-06	2.15E-04	6.91E-04	U
AP	08	709930007	12/11/2024	Ag-110m	6.68E-05	4.42E-04	1.49E-03	U
AP	08	709930007	12/11/2024	Ba-140	-1.27E-01	1.05E-01	2.37E-01	U
AP	08	709930007	12/11/2024	Be-7	5.82E-02	1.36E-02	1.59E-02	
AP	08	709930007	12/11/2024	Ce-141	-1.86E-03	1.59E-03	4.88E-03	U
AP	08	709930007	12/11/2024	Ce-144	6.58E-04	1.18E-03	4.03E-03	U
AP	08	709930007	12/11/2024	Co-57	-2.12E-04	1.46E-04	4.33E-04	U
AP	08	709930007	12/11/2024	Co-58	-2.69E-04	7.07E-04	1.98E-03	U
AP	08	709930007	12/11/2024	Co-60	-6.24E-04	4.33E-04	1.23E-03	U
AP	08	709930007	12/11/2024	Cr-51	8.27E-03	1.40E-02	4.67E-02	U
AP	08	709930007	12/11/2024	Cs-134	-2.02E-04	3.51E-04	1.11E-03	U
AP	08	709930007	12/11/2024	Cs-137	2.20E-04	2.53E-04	8.96E-04	U
AP	08	709930007	12/11/2024	Fe-59	-8.66E-04	2.15E-03	6.73E-03	U
AP	08	709930007	12/11/2024	I-131	-2.15E-02	3.11E-01	0.00E+00	U
AP	08	709930007	12/11/2024	K-40	0.00E+00	4.44E-03	5.16E-03	U
AP	08	709930007	12/11/2024	La-140	-5.76E-02	3.35E-02	5.81E-02	U
AP	08	709930007	12/11/2024	Mn-54	5.30E-04	3.19E-04	1.13E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	08	709930007	12/11/2024	Nb-95	-1.43E-03	7.87E-04	2.00E-03	U
AP	08	709930007	12/11/2024	Ru-103	-1.01E-04	8.21E-04	2.59E-03	U
AP	08	709930007	12/11/2024	Ru-106	2.37E-03	2.70E-03	9.51E-03	U
AP	08	709930007	12/11/2024	Sb-124	-1.04E-03	1.77E-03	5.42E-03	U
AP	08	709930007	12/11/2024	Sb-125	5.42E-05	5.88E-04	1.91E-03	U
AP	08	709930007	12/11/2024	Se-75	4.63E-04	4.28E-04	1.44E-03	U
AP	08	709930007	12/11/2024	Th-228	0.00E+00	5.76E-04	1.02E-03	U
AP	08	709930007	12/11/2024	Zn-65	1.52E-04	7.33E-04	2.46E-03	U
AP	08	709930007	12/11/2024	Zr-95	-4.06E-04	1.08E-03	3.47E-03	U
AP	09	651716008	01/10/2024	BETA	2.08E-02	9.73E-04	8.36E-04	
AP	09	653020008	01/22/2024	BETA	3.43E-02	1.36E-03	9.71E-04	
AP	09	654242008	02/02/2024	BETA	2.13E-02	1.17E-03	1.15E-03	
AP	09	656650008	02/23/2024	BETA	1.96E-02	8.03E-04	6.01E-04	
AP	09	658328008	03/06/2024	BETA	2.15E-02	1.16E-03	1.10E-03	
AP	09	659761008	03/18/2024	BETA	1.81E-02	1.09E-03	1.12E-03	
AP	09	661558008	04/02/2024	BETA	2.06E-02	9.06E-04	6.62E-04	
AP	09	666039008	04/02/2024	Ac-228	5.21E-04	7.48E-04	1.58E-03	U
AP	09	666039008	04/02/2024	Ag-108m	-1.54E-05	6.42E-05	2.13E-04	U
AP	09	666039008	04/02/2024	Ag-110m	1.36E-04	1.54E-04	5.32E-04	U
AP	09	666039008	04/02/2024	Ba-140	-1.99E-02	5.48E-02	1.76E-01	U
AP	09	666039008	04/02/2024	Be-7	1.03E-01	8.32E-03	6.56E-03	
AP	09	666039008	04/02/2024	Ce-141	1.82E-03	1.34E-03	2.19E-03	U
AP	09	666039008	04/02/2024	Ce-144	-8.10E-04	5.25E-04	1.41E-03	U
AP	09	666039008	04/02/2024	Co-57	-3.41E-05	6.49E-05	1.99E-04	U
AP	09	666039008	04/02/2024	Co-58	-4.57E-05	2.25E-04	7.43E-04	U
AP	09	666039008	04/02/2024	Co-60	3.67E-05	1.12E-04	3.35E-04	U
AP	09	666039008	04/02/2024	Cr-51	3.50E-04	6.54E-03	2.12E-02	U
AP	09	666039008	04/02/2024	Cs-134	8.04E-05	1.02E-04	3.55E-04	U
AP	09	666039008	04/02/2024	Cs-137	-4.89E-05	8.28E-05	2.53E-04	U
AP	09	666039008	04/02/2024	Fe-59	3.47E-04	6.61E-04	2.24E-03	U
AP	09	666039008	04/02/2024	I-131	0.00E+00	3.01E-01	0.00E+00	UI
AP	09	666039008	04/02/2024	K-40	1.57E-03	1.89E-03	3.34E-03	U
AP	09	666039008	04/02/2024	La-140	1.74E-02	2.27E-02	7.84E-02	U
AP	09	666039008	04/02/2024	Mn-54	-6.45E-05	1.02E-04	3.23E-04	U
AP	09	666039008	04/02/2024	Nb-95	-8.50E-05	2.17E-04	7.08E-04	U
AP	09	666039008	04/02/2024	Ru-103	7.70E-04	5.37E-04	1.26E-03	U
AP	09	666039008	04/02/2024	Ru-106	-4.08E-04	9.18E-04	2.89E-03	U
AP	09	666039008	04/02/2024	Sb-124	4.90E-04	6.98E-04	2.40E-03	U
AP	09	666039008	04/02/2024	Sb-125	-3.89E-05	2.13E-04	7.11E-04	U
AP	09	666039008	04/02/2024	Se-75	3.19E-04	3.07E-04	4.84E-04	U
AP	09	666039008	04/02/2024	Th-228	0.00E+00	2.59E-04	3.93E-04	U
AP	09	666039008	04/02/2024	Zn-65	3.04E-04	2.94E-04	9.01E-04	U
AP	09	666039008	04/02/2024	Zr-95	3.23E-04	4.30E-04	1.49E-03	U
AP	09	664295008	04/17/2024	BETA	1.57E-02	8.16E-04	7.27E-04	
AP	09	666183008	05/01/2024	BETA	2.18E-02	9.83E-04	7.37E-04	
AP	09	668262008	05/16/2024	BETA	1.25E-02	7.35E-04	6.96E-04	
AP	09	669556008	05/29/2024	BETA	1.81E-02	9.68E-04	8.94E-04	
AP	09	671929008	06/12/2024	BETA	1.98E-02	9.73E-04	8.15E-04	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	09	673489008	06/26/2024	BETA	2.99E-02	1.20E-03	8.41E-04	
AP	09	678492008	06/26/2024	Ac-228	-3.41E-04	5.26E-04	1.63E-03	U
AP	09	678492008	06/26/2024	Ag-108m	-4.90E-05	7.73E-05	2.42E-04	U
AP	09	678492008	06/26/2024	Ag-110m	-7.42E-05	1.65E-04	5.29E-04	U
AP	09	678492008	06/26/2024	Ba-140	-1.90E-03	4.93E-03	1.55E-02	U
AP	09	678492008	06/26/2024	Be-7	7.70E-02	6.35E-03	4.58E-03	
AP	09	678492008	06/26/2024	Ce-141	-7.04E-05	3.05E-04	8.95E-04	U
AP	09	678492008	06/26/2024	Ce-144	7.38E-04	4.27E-04	1.39E-03	U
AP	09	678492008	06/26/2024	Co-57	6.37E-06	5.43E-05	1.76E-04	U
AP	09	678492008	06/26/2024	Co-58	-8.20E-05	1.45E-04	4.60E-04	U
AP	09	678492008	06/26/2024	Co-60	-4.77E-05	1.26E-04	3.87E-04	U
AP	09	678492008	06/26/2024	Cr-51	-4.72E-03	2.33E-03	5.94E-03	U
AP	09	678492008	06/26/2024	Cs-134	1.50E-04	9.72E-05	3.52E-04	U
AP	09	678492008	06/26/2024	Cs-137	1.40E-04	1.05E-04	3.55E-04	U
AP	09	678492008	06/26/2024	Fe-59	2.71E-04	4.11E-04	1.43E-03	U
AP	09	678492008	06/26/2024	I-131	-2.40E-04	6.73E-03	2.25E-02	U
AP	09	678492008	06/26/2024	K-40	0.00E+00	2.13E-03	2.71E-03	U
AP	09	678492008	06/26/2024	La-140	-2.05E-04	2.12E-03	7.05E-03	U
AP	09	678492008	06/26/2024	Mn-54	1.80E-04	1.04E-04	3.71E-04	U
AP	09	678492008	06/26/2024	Nb-95	-3.01E-05	1.53E-04	5.11E-04	U
AP	09	678492008	06/26/2024	Ru-103	5.33E-05	1.88E-04	6.27E-04	U
AP	09	678492008	06/26/2024	Ru-106	3.76E-04	8.82E-04	2.92E-03	U
AP	09	678492008	06/26/2024	Sb-124	2.15E-04	3.37E-04	1.24E-03	U
AP	09	678492008	06/26/2024	Sb-125	2.32E-04	2.64E-04	7.91E-04	U
AP	09	678492008	06/26/2024	Se-75	7.84E-05	1.27E-04	4.43E-04	U
AP	09	678492008	06/26/2024	Th-228	0.00E+00	4.05E-04	6.60E-04	U
AP	09	678492008	06/26/2024	Zn-65	-1.60E-04	2.84E-04	8.77E-04	U
AP	09	678492008	06/26/2024	Zr-95	3.46E-05	2.39E-04	8.22E-04	U
AP	09	675735008	07/10/2024	BETA	3.36E-02	1.27E-03	8.37E-04	
AP	09	678816008	07/29/2024	BETA	2.86E-02	1.03E-03	6.33E-04	
AP	09	680183007	08/07/2024	BETA	3.49E-02	1.53E-03	1.49E-03	
AP	09	682491008	08/20/2024	BETA	2.86E-02	2.30E-03	8.69E-04	
AP	09	686839008	09/17/2024	BETA	4.15E-02	1.43E-03	8.67E-04	
AP	09	689305008	10/03/2024	BETA	2.39E-02	9.95E-04	7.56E-04	
AP	09	692608008	10/03/2024	Ac-228	1.55E-03	8.92E-04	2.58E-03	U
AP	09	692608008	10/03/2024	Ag-108m	-4.44E-05	1.07E-04	3.46E-04	U
AP	09	692608008	10/03/2024	Ag-110m	-1.88E-04	2.38E-04	6.76E-04	U
AP	09	692608008	10/03/2024	Ba-140	-2.05E-03	9.94E-03	3.23E-02	U
AP	09	692608008	10/03/2024	Be-7	1.20E-01	9.28E-03	6.46E-03	
AP	09	692608008	10/03/2024	Ce-141	-1.57E-04	5.08E-04	1.61E-03	U
AP	09	692608008	10/03/2024	Ce-144	-5.94E-04	6.80E-04	2.04E-03	U
AP	09	692608008	10/03/2024	Co-57	2.35E-05	8.20E-05	2.70E-04	U
AP	09	692608008	10/03/2024	Co-58	-3.91E-04	2.87E-04	7.47E-04	U
AP	09	692608008	10/03/2024	Co-60	7.88E-05	2.22E-04	6.45E-04	U
AP	09	692608008	10/03/2024	Cr-51	-2.70E-03	4.58E-03	1.51E-02	U
AP	09	692608008	10/03/2024	Cs-134	-1.54E-04	1.71E-04	4.83E-04	U
AP	09	692608008	10/03/2024	Cs-137	2.22E-04	1.52E-04	5.30E-04	U
AP	09	692608008	10/03/2024	Fe-59	-1.42E-03	8.72E-04	1.89E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
AP	09	692608008	10/03/2024	I-131	5.95E-03	1.67E-02	5.78E-02	U
AP	09	692608008	10/03/2024	K-40	1.01E-03	3.07E-03	4.61E-03	U
AP	09	692608008	10/03/2024	La-140	2.91E-03	4.33E-03	1.55E-02	U
AP	09	692608008	10/03/2024	Mn-54	9.52E-05	1.22E-04	4.25E-04	U
AP	09	692608008	10/03/2024	Nb-95	1.65E-04	2.63E-04	8.92E-04	U
AP	09	692608008	10/03/2024	Ru-103	-5.11E-04	3.80E-04	1.08E-03	U
AP	09	692608008	10/03/2024	Ru-106	-3.41E-03	1.52E-03	3.07E-03	U
AP	09	692608008	10/03/2024	Sb-124	-1.71E-04	5.25E-04	1.58E-03	U
AP	09	692608008	10/03/2024	Sb-125	-2.05E-04	3.16E-04	9.96E-04	U
AP	09	692608008	10/03/2024	Se-75	-4.80E-04	2.57E-04	6.22E-04	U
AP	09	692608008	10/03/2024	Th-228	5.53E-04	5.69E-04	9.36E-04	U
AP	09	692608008	10/03/2024	Zn-65	7.26E-04	3.25E-04	1.23E-03	U
AP	09	692608008	10/03/2024	Zr-95	1.00E-03	9.35E-04	1.44E-03	U
AP	09	691028008	10/16/2024	BETA	1.56E-02	8.91E-04	8.86E-04	
AP	09	693548008	10/30/2024	BETA	4.35E-02	1.42E-03	8.41E-04	
AP	09	696801008	11/13/2024	BETA	3.32E-02	1.24E-03	8.20E-04	
AP	09	698513008	11/26/2024	BETA	2.36E-02	1.12E-03	8.87E-04	
AP	09	700779008	12/11/2024	BETA	3.19E-02	1.18E-03	7.99E-04	
AP	09	709930008	12/11/2024	Ac-228	6.25E-04	6.59E-04	2.05E-03	U
AP	09	709930008	12/11/2024	Ag-108m	-3.91E-05	7.96E-05	2.57E-04	U
AP	09	709930008	12/11/2024	Ag-110m	8.88E-06	1.83E-04	5.91E-04	U
AP	09	709930008	12/11/2024	Ba-140	-3.40E-04	3.69E-02	1.23E-01	U
AP	09	709930008	12/11/2024	Be-7	5.75E-02	6.59E-03	7.35E-03	
AP	09	709930008	12/11/2024	Ce-141	-1.04E-03	7.21E-04	1.82E-03	U
AP	09	709930008	12/11/2024	Ce-144	3.53E-04	4.69E-04	1.59E-03	U
AP	09	709930008	12/11/2024	Co-57	-7.38E-06	5.95E-05	1.94E-04	U
AP	09	709930008	12/11/2024	Co-58	-1.64E-04	2.68E-04	7.99E-04	U
AP	09	709930008	12/11/2024	Co-60	-9.97E-05	1.10E-04	2.94E-04	U
AP	09	709930008	12/11/2024	Cr-51	-8.91E-03	6.75E-03	1.77E-02	U
AP	09	709930008	12/11/2024	Cs-134	5.51E-05	1.14E-04	3.91E-04	U
AP	09	709930008	12/11/2024	Cs-137	-1.04E-04	1.32E-04	3.96E-04	U
AP	09	709930008	12/11/2024	Fe-59	-3.41E-04	5.07E-04	1.45E-03	U
AP	09	709930008	12/11/2024	I-131	0.00E+00	1.35E-01	0.00E+00	UI
AP	09	709930008	12/11/2024	K-40	2.36E-03	2.22E-03	4.14E-03	U
AP	09	709930008	12/11/2024	La-140	8.63E-03	1.46E-02	5.23E-02	U
AP	09	709930008	12/11/2024	Mn-54	-6.86E-05	1.33E-04	3.98E-04	U
AP	09	709930008	12/11/2024	Nb-95	3.56E-04	3.20E-04	1.02E-03	U
AP	09	709930008	12/11/2024	Ru-103	4.77E-04	3.81E-04	1.36E-03	U
AP	09	709930008	12/11/2024	Ru-106	-2.32E-03	1.31E-03	3.19E-03	U
AP	09	709930008	12/11/2024	Sb-124	1.08E-03	6.02E-04	2.55E-03	U
AP	09	709930008	12/11/2024	Sb-125	1.04E-04	2.39E-04	8.34E-04	U
AP	09	709930008	12/11/2024	Se-75	1.81E-06	1.82E-04	5.76E-04	U
AP	09	709930008	12/11/2024	Th-228	3.26E-04	2.74E-04	6.92E-04	U
AP	09	709930008	12/11/2024	Zn-65	-1.13E-04	2.50E-04	7.84E-04	U
AP	09	709930008	12/11/2024	Zr-95	-1.92E-04	5.06E-04	1.38E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
CF	01	651716009	01/10/2024	I-131	-4.69E-04	2.90E-03	9.53E-03	U
CF	01	653020009	01/22/2024	I-131	8.00E-03	4.24E-03	1.41E-02	U
CF	01	654242009	02/02/2024	I-131	-6.44E-04	2.44E-03	8.11E-03	U
CF	01	656650009	02/23/2024	I-131	8.83E-04	2.32E-03	7.59E-03	U
CF	01	658328009	03/06/2024	I-131	-3.37E-03	4.89E-03	1.54E-02	U
CF	01	659761009	03/18/2024	I-131	-3.26E-04	3.65E-03	1.16E-02	U
CF	01	661558009	04/02/2024	I-131	-3.71E-03	2.94E-03	8.34E-03	U
CF	01	664295009	04/17/2024	I-131	3.63E-03	5.13E-03	1.79E-02	U
CF	01	666183009	05/01/2024	I-131	7.43E-03	4.49E-03	1.52E-02	U
CF	01	668262009	05/16/2024	I-131	-2.16E-03	2.53E-03	7.47E-03	U
CF	01	669556009	05/29/2024	I-131	-5.42E-04	3.20E-03	1.06E-02	U
CF	01	671929009	06/12/2024	I-131	2.03E-02	1.47E-02	2.85E-02	U
CF	01	673489009	06/26/2024	I-131	-1.34E-03	3.51E-03	1.15E-02	U
CF	01	675735009	07/10/2024	I-131	-1.84E-03	3.57E-03	1.06E-02	U
CF	01	678816009	07/29/2024	I-131	-3.74E-04	3.66E-03	1.14E-02	U
CF	01	680183008	08/07/2024	I-131	-4.14E-03	5.73E-03	1.67E-02	U
CF	01	682491009	08/20/2024	I-131	2.70E-03	1.51E-03	5.52E-03	U
CF	01	686839009	09/17/2024	I-131	-1.06E-04	3.29E-03	1.10E-02	U
CF	01	689305009	10/03/2024	I-131	6.52E-04	2.57E-03	8.89E-03	U
CF	01	691028009	10/16/2024	I-131	-7.88E-03	7.99E-03	1.96E-02	U
CF	01	693548009	10/30/2024	I-131	3.16E-04	3.07E-03	1.04E-02	U
CF	01	696801009	11/13/2024	I-131	9.70E-03	4.78E-03	1.64E-02	U
CF	01	698513009	11/26/2024	I-131	9.54E-03	6.27E-03	2.35E-02	U
CF	01	700779009	12/11/2024	I-131	7.39E-04	3.95E-03	1.39E-02	U
CF	02	651716010	01/10/2024	I-131	-1.41E-03	2.41E-03	7.77E-03	U
CF	02	653020010	01/22/2024	I-131	3.95E-04	2.15E-03	7.51E-03	U
CF	02	654242010	02/02/2024	I-131	7.09E-04	2.07E-03	7.16E-03	U
CF	02	656650010	02/23/2024	I-131	1.88E-03	1.95E-03	7.12E-03	U
CF	02	658328010	03/06/2024	I-131	-1.33E-03	4.20E-03	1.30E-02	U
CF	02	659761010	03/18/2024	I-131	-1.36E-03	4.67E-03	1.55E-02	U
CF	02	661558010	04/02/2024	I-131	-3.35E-03	3.53E-03	1.07E-02	U
CF	02	664295010	04/17/2024	I-131	-6.45E-03	7.68E-03	2.39E-02	U
CF	02	666183010	05/01/2024	I-131	3.03E-04	4.87E-03	1.67E-02	U
CF	02	668262010	05/16/2024	I-131	-5.61E-04	3.60E-03	1.18E-02	U
CF	02	669556010	05/29/2024	I-131	1.15E-02	5.06E-03	1.78E-02	U
CF	02	671929010	06/12/2024	I-131	-4.84E-03	4.63E-03	1.27E-02	U
CF	02	673489010	06/26/2024	I-131	-2.91E-03	3.03E-03	9.37E-03	U
CF	02	675735010	07/10/2024	I-131	4.97E-03	3.41E-03	1.27E-02	U
CF	02	678816010	07/29/2024	I-131	-9.02E-04	4.20E-03	1.40E-02	U
CF	02	680183009	08/07/2024	I-131	2.00E-03	7.22E-03	2.32E-02	U
CF	02	682491010	08/20/2024	I-131	-9.35E-04	2.24E-03	7.29E-03	U
CF	02	686839010	09/17/2024	I-131	-7.16E-03	6.50E-03	1.94E-02	U
CF	02	689305010	10/03/2024	I-131	-7.19E-03	5.25E-03	1.33E-02	U
CF	02	691028010	10/16/2024	I-131	5.32E-03	7.89E-03	2.87E-02	U
CF	02	693548010	10/30/2024	I-131	8.24E-03	5.27E-03	2.01E-02	U
CF	02	696801010	11/13/2024	I-131	3.83E-03	4.58E-03	1.68E-02	U
CF	02	698513010	11/26/2024	I-131	4.68E-03	6.17E-03	2.23E-02	U
CF	02	700779010	12/11/2024	I-131	7.41E-03	4.53E-03	1.72E-02	U
CF	03	651716011	01/10/2024	I-131	-3.15E-03	3.04E-03	7.18E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
CF	03	653020011	01/22/2024	I-131	-2.08E-03	3.09E-03	9.55E-03	U
CF	03	654242011	02/02/2024	I-131	0.00E+00	1.55E-03	5.49E-03	U
CF	03	656650011	02/23/2024	I-131	-3.24E-03	2.55E-03	7.23E-03	U
CF	03	658328011	03/06/2024	I-131	6.64E-03	4.93E-03	1.75E-02	U
CF	03	659761011	03/18/2024	I-131	4.81E-04	3.50E-03	1.20E-02	U
CF	03	661558011	04/02/2024	I-131	-4.16E-04	2.41E-03	7.93E-03	U
CF	03	664295011	04/17/2024	I-131	-5.87E-03	5.23E-03	1.47E-02	U
CF	03	666183011	05/01/2024	I-131	-6.13E-03	5.03E-03	1.35E-02	U
CF	03	668262011	05/16/2024	I-131	-3.93E-03	4.14E-03	1.18E-02	U
CF	03	669556011	05/29/2024	I-131	1.93E-03	4.93E-03	1.69E-02	U
CF	03	671929011	06/12/2024	I-131	-1.90E-02	2.11E-02	5.54E-02	U
CF	03	673489011	06/26/2024	I-131	7.07E-04	3.54E-03	1.23E-02	U
CF	03	675735011	07/10/2024	I-131	-3.16E-03	3.37E-03	9.10E-03	U
CF	03	678816011	07/29/2024	I-131	1.60E-03	5.14E-03	1.78E-02	U
CF	03	680183010	08/07/2024	I-131	1.51E-03	8.68E-03	2.99E-02	U
CF	03	682491011	08/20/2024	I-131	1.52E-03	4.02E-03	1.35E-02	U
CF	03	686839011	09/17/2024	I-131	3.27E-03	3.17E-03	1.14E-02	U
CF	03	689305011	10/03/2024	I-131	9.82E-03	4.62E-03	1.58E-02	U
CF	03	691028011	10/16/2024	I-131	7.01E-03	5.84E-03	2.21E-02	U
CF	03	693548011	10/30/2024	I-131	-1.47E-03	4.86E-03	1.59E-02	U
CF	03	696801011	11/13/2024	I-131	2.31E-03	3.49E-03	1.29E-02	U
CF	03	698513011	11/26/2024	I-131	-6.73E-03	4.64E-03	8.76E-03	U
CF	03	700779011	12/11/2024	I-131	6.73E-03	5.11E-03	1.86E-02	U
CF	04	651716012	01/10/2024	I-131	1.02E-03	3.03E-03	1.04E-02	U
CF	04	653020012	01/22/2024	I-131	-4.64E-04	2.75E-03	9.10E-03	U
CF	04	654242012	02/02/2024	I-131	1.25E-03	1.80E-03	6.46E-03	U
CF	04	656650012	02/23/2024	I-131	-1.00E-03	1.82E-03	5.80E-03	U
CF	04	658328012	03/06/2024	I-131	-2.77E-03	4.94E-03	1.55E-02	U
CF	04	659761012	03/18/2024	I-131	-1.69E-03	4.77E-03	1.55E-02	U
CF	04	661558012	04/02/2024	I-131	-3.74E-04	2.80E-04	7.49E-04	U
CF	04	664295012	04/17/2024	I-131	-3.48E-04	4.57E-03	1.53E-02	U
CF	04	666183012	05/01/2024	I-131	5.91E-03	4.40E-03	1.56E-02	U
CF	04	668262012	05/16/2024	I-131	9.91E-04	4.98E-03	1.46E-02	U
CF	04	669556012	05/29/2024	I-131	-4.10E-03	4.17E-03	1.22E-02	U
CF	04	671929012	06/12/2024	I-131	-3.57E-03	1.77E-02	5.57E-02	U
CF	04	673489012	06/26/2024	I-131	2.32E-03	3.61E-03	1.27E-02	U
CF	04	675735012	07/10/2024	I-131	-3.25E-03	4.12E-03	1.18E-02	U
CF	04	678816012	07/29/2024	I-131	-5.62E-03	4.91E-03	1.30E-02	U
CF	04	680183011	08/07/2024	I-131	2.74E-03	6.74E-03	2.42E-02	U
CF	04	682491012	08/20/2024	I-131	4.74E-03	2.75E-03	8.42E-03	U
CF	04	686839012	09/17/2024	I-131	3.31E-03	3.60E-03	1.37E-02	U
CF	04	689305012	10/03/2024	I-131	-9.61E-04	3.64E-03	1.18E-02	U
CF	04	691028012	10/16/2024	I-131	-2.58E-03	6.15E-03	1.96E-02	U
CF	04	693548012	10/30/2024	I-131	-1.18E-03	2.69E-03	8.47E-03	U
CF	04	696801012	11/13/2024	I-131	1.42E-03	5.79E-03	1.94E-02	U
CF	04	698513012	11/26/2024	I-131	1.94E-03	5.27E-03	1.86E-02	U
CF	04	700779012	12/11/2024	I-131	5.89E-03	3.81E-03	1.40E-02	U
CF	05	651716013	01/10/2024	I-131	-7.66E-04	2.52E-03	8.35E-03	U
CF	05	653020013	01/22/2024	I-131	6.16E-07	3.68E-03	1.21E-02	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
CF	05	654242013	02/02/2024	I-131	-1.20E-03	2.08E-03	5.41E-03	U
CF	05	656650013	02/23/2024	I-131	-3.32E-03	2.64E-03	6.02E-03	U
CF	05	658328013	03/06/2024	I-131	-2.71E-03	5.57E-03	1.80E-02	U
CF	05	659761013	03/18/2024	I-131	-4.63E-03	4.67E-03	1.44E-02	U
CF	05	661558013	04/02/2024	I-131	3.21E-03	3.51E-03	1.22E-02	U
CF	05	664295013	04/17/2024	I-131	1.87E-03	5.05E-03	1.76E-02	U
CF	05	666183013	05/01/2024	I-131	-1.10E-02	5.66E-03	1.29E-02	U
CF	05	668262013	05/16/2024	I-131	-5.20E-03	9.89E-03	2.60E-02	U
CF	05	669556013	05/29/2024	I-131	5.28E-03	8.62E-03	3.04E-02	U
CF	05	671929013	06/12/2024	I-131	5.77E-03	1.01E-02	3.79E-02	U
CF	05	673489013	06/26/2024	I-131	3.08E-03	3.57E-03	1.19E-02	U
CF	05	675735013	07/10/2024	I-131	-3.49E-03	3.73E-03	1.06E-02	U
CF	05	678816013	07/29/2024	I-131	8.50E-03	4.34E-03	1.53E-02	U
CF	05	680183012	08/07/2024	I-131	6.60E-03	1.03E-02	3.60E-02	U
CF	05	682491013	08/20/2024	I-131	-8.64E-04	1.98E-03	6.33E-03	U
CF	05	686839013	09/17/2024	I-131	8.61E-03	6.70E-03	2.48E-02	U
CF	05	689305013	10/03/2024	I-131	-3.24E-03	2.55E-03	6.47E-03	U
CF	05	691028013	10/16/2024	I-131	6.91E-03	4.06E-03	1.56E-02	U
CF	05	693548013	10/30/2024	I-131	-1.55E-03	4.14E-03	1.29E-02	U
CF	05	696801013	11/13/2024	I-131	3.88E-03	2.90E-03	1.10E-02	U
CF	05	698513013	11/26/2024	I-131	-1.47E-03	5.03E-03	1.11E-02	U
CF	05	700779013	12/11/2024	I-131	-1.38E-03	3.21E-03	1.01E-02	U
CF	07	651716014	01/10/2024	I-131	-3.22E-03	2.18E-03	5.19E-03	U
CF	07	653020014	01/22/2024	I-131	1.31E-03	3.27E-03	1.11E-02	U
CF	07	654242014	02/02/2024	I-131	-2.26E-03	2.24E-03	6.89E-03	U
CF	07	656650014	02/23/2024	I-131	5.88E-05	1.88E-03	6.43E-03	U
CF	07	658328014	03/06/2024	I-131	2.67E-03	6.41E-03	2.20E-02	U
CF	07	659761014	03/18/2024	I-131	-1.24E-03	4.51E-03	1.48E-02	U
CF	07	661558014	04/02/2024	I-131	1.08E-03	2.91E-03	1.02E-02	U
CF	07	664295014	04/17/2024	I-131	-8.48E-03	7.98E-03	2.09E-02	U
CF	07	666183014	05/01/2024	I-131	8.57E-03	6.51E-03	2.26E-02	U
CF	07	668262014	05/16/2024	I-131	-2.52E-04	2.29E-03	6.94E-03	U
CF	07	669556014	05/29/2024	I-131	-2.43E-03	3.00E-03	8.79E-03	U
CF	07	671929014	06/12/2024	I-131	8.41E-03	1.36E-02	4.98E-02	U
CF	07	673489014	06/26/2024	I-131	2.25E-03	4.01E-03	1.38E-02	U
CF	07	675735014	07/10/2024	I-131	9.59E-05	3.18E-03	1.07E-02	U
CF	07	678816014	07/29/2024	I-131	-6.11E-03	1.29E-02	4.05E-02	U
CF	07	682491014	08/20/2024	I-131	2.76E-03	2.49E-03	6.59E-03	U
CF	07	686839014	09/17/2024	I-131	2.48E-03	3.92E-03	1.37E-02	U
CF	07	689305014	10/03/2024	I-131	2.17E-03	2.29E-03	8.55E-03	U
CF	07	691028014	10/16/2024	I-131	8.78E-04	5.12E-03	1.77E-02	U
CF	07	693548014	10/30/2024	I-131	-7.34E-04	3.22E-03	1.04E-02	U
CF	07	696801014	11/13/2024	I-131	-2.88E-03	2.96E-03	7.74E-03	U
CF	07	698513014	11/26/2024	I-131	-2.20E-03	3.93E-03	1.15E-02	U
CF	07	700779014	12/11/2024	I-131	-4.45E-03	3.40E-03	9.03E-03	U
CF	08	651716015	01/10/2024	I-131	1.22E-03	2.27E-03	7.21E-03	U
CF	08	653020015	01/22/2024	I-131	6.24E-04	1.87E-03	6.60E-03	U
CF	08	654242015	02/02/2024	I-131	6.19E-04	1.76E-03	5.95E-03	U
CF	08	656650015	02/23/2024	I-131	-4.12E-03	2.68E-03	7.19E-03	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m ³)	STD.DEV. (pCi/m ³)	MDC (pCi/m ³)	FLAGS
CF	08	658328015	03/06/2024	I-131	-1.11E-03	3.45E-03	9.91E-03	U
CF	08	659761015	03/18/2024	I-131	-2.46E-03	2.62E-03	7.64E-03	U
CF	08	661558015	04/02/2024	I-131	2.68E-03	2.29E-03	8.03E-03	U
CF	08	664295015	04/17/2024	I-131	-5.52E-03	4.79E-03	1.36E-02	U
CF	08	666183015	05/01/2024	I-131	4.93E-03	4.45E-03	1.51E-02	U
CF	08	668262015	05/16/2024	I-131	1.34E-03	4.32E-03	1.46E-02	U
CF	08	669556015	05/29/2024	I-131	-2.93E-04	2.52E-03	8.52E-03	U
CF	08	671929015	06/12/2024	I-131	-1.43E-02	2.06E-02	5.81E-02	U
CF	08	673489015	06/26/2024	I-131	-1.41E-03	3.91E-03	1.29E-02	U
CF	08	675735015	07/10/2024	I-131	-9.98E-04	4.23E-03	1.39E-02	U
CF	08	678816015	07/29/2024	I-131	4.59E-04	5.63E-03	1.80E-02	U
CF	08	680183013	08/07/2024	I-131	-1.55E-03	1.04E-02	3.50E-02	U
CF	08	682491015	08/20/2024	I-131	5.65E-04	1.89E-03	6.66E-03	U
CF	08	686839015	09/17/2024	I-131	-3.62E-03	3.96E-03	1.14E-02	U
CF	08	689305015	10/03/2024	I-131	5.46E-03	4.48E-03	1.65E-02	U
CF	08	691028015	10/16/2024	I-131	-2.01E-03	6.61E-03	2.16E-02	U
CF	08	693548015	10/30/2024	I-131	3.07E-03	5.49E-03	1.92E-02	U
CF	08	696801015	11/13/2024	I-131	1.38E-03	5.47E-03	1.86E-02	U
CF	08	698513015	11/26/2024	I-131	-3.63E-03	6.72E-03	2.12E-02	U
CF	08	700779015	12/11/2024	I-131	-4.43E-03	3.72E-03	1.01E-02	U
CF	09	651716016	01/10/2024	I-131	1.61E-03	2.76E-03	9.63E-03	U
CF	09	653020016	01/22/2024	I-131	-1.52E-03	3.41E-03	1.10E-02	U
CF	09	654242016	02/02/2024	I-131	1.74E-03	2.65E-03	9.21E-03	U
CF	09	656650016	02/23/2024	I-131	-6.12E-04	2.78E-03	9.27E-03	U
CF	09	658328016	03/06/2024	I-131	8.35E-03	6.37E-03	2.26E-02	U
CF	09	659761016	03/18/2024	I-131	-1.62E-04	3.65E-03	1.23E-02	U
CF	09	661558016	04/02/2024	I-131	5.58E-03	3.42E-03	1.16E-02	U
CF	09	664295016	04/17/2024	I-131	-1.88E-03	5.15E-03	1.60E-02	U
CF	09	666183016	05/01/2024	I-131	-6.94E-04	6.48E-03	2.17E-02	U
CF	09	668262016	05/16/2024	I-131	-1.21E-03	4.20E-03	1.40E-02	U
CF	09	669556016	05/29/2024	I-131	7.94E-03	7.45E-03	2.63E-02	U
CF	09	671929016	06/12/2024	I-131	-1.26E-02	1.55E-02	4.37E-02	U
CF	09	673489016	06/26/2024	I-131	-2.28E-03	4.85E-03	1.58E-02	U
CF	09	675735016	07/10/2024	I-131	-3.68E-03	4.44E-03	1.20E-02	U
CF	09	678816016	07/29/2024	I-131	8.09E-03	6.74E-03	2.45E-02	U
CF	09	680183014	08/07/2024	I-131	-5.12E-04	7.69E-03	2.56E-02	U
CF	09	682491016	08/20/2024	I-131	9.07E-03	2.96E-03	9.36E-03	U
CF	09	686839016	09/17/2024	I-131	2.98E-03	3.57E-03	1.22E-02	U
CF	09	689305016	10/03/2024	I-131	-1.84E-03	3.19E-03	9.55E-03	U
CF	09	691028016	10/16/2024	I-131	1.25E-03	5.89E-03	2.04E-02	U
CF	09	693548016	10/30/2024	I-131	1.39E-03	4.73E-03	1.65E-02	U
CF	09	696801016	11/13/2024	I-131	4.64E-04	4.75E-03	1.64E-02	U
CF	09	698513016	11/26/2024	I-131	-4.00E-03	6.25E-03	1.97E-02	U
CF	09	700779016	12/11/2024	I-131	-2.46E-03	3.72E-03	1.12E-02	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	657437001	02/27/2024	Ac-228	-5.80E+00	2.14E+01	7.30E+01	U
FH	03	657437001	02/27/2024	Ag-108m	-4.40E+00	3.54E+00	9.00E+00	U
FH	03	657437001	02/27/2024	Ag-110m	-4.57E+00	6.32E+00	1.85E+01	U
FH	03	657437001	02/27/2024	Ba-140	-1.84E+01	2.00E+01	5.91E+01	U
FH	03	657437001	02/27/2024	Be-7	1.40E+01	3.85E+01	1.33E+02	U
FH	03	657437001	02/27/2024	Bi-214	-5.13E-02	9.75E+00	3.47E+01	U
FH	03	657437001	02/27/2024	Ce-141	-4.95E+00	7.03E+00	2.25E+01	U
FH	03	657437001	02/27/2024	Ce-144	-2.91E+00	2.33E+01	7.82E+01	U
FH	03	657437001	02/27/2024	Co-57	3.43E+00	3.51E+00	1.21E+01	U
FH	03	657437001	02/27/2024	Co-58	-3.01E+00	3.38E+00	9.04E+00	U
FH	03	657437001	02/27/2024	Co-60	-1.18E+00	4.62E+00	1.47E+01	U
FH	03	657437001	02/27/2024	Cr-51	2.03E+00	3.84E+01	1.25E+02	U
FH	03	657437001	02/27/2024	Cs-134	1.27E+00	5.16E+00	1.69E+01	U
FH	03	657437001	02/27/2024	Cs-137	9.74E+00	5.56E+00	1.96E+01	U
FH	03	657437001	02/27/2024	Fe-59	-5.18E+00	9.57E+00	2.98E+01	U
FH	03	657437001	02/27/2024	I-131	-2.13E+00	6.81E+00	2.11E+01	U
FH	03	657437001	02/27/2024	K-40	3.10E+03	2.78E+02	1.03E+02	
FH	03	657437001	02/27/2024	La-140	7.99E+00	7.42E+00	2.81E+01	U
FH	03	657437001	02/27/2024	Mn-54	2.10E+00	4.26E+00	1.46E+01	U
FH	03	657437001	02/27/2024	Nb-95	8.54E+00	5.53E+00	1.93E+01	U
FH	03	657437001	02/27/2024	Pb-212	8.13E+00	1.45E+01	3.14E+01	U
FH	03	657437001	02/27/2024	Pb-214	3.80E+00	9.94E+00	3.28E+01	U
FH	03	657437001	02/27/2024	Ra-226	3.80E+00	9.94E+00	3.28E+01	U
FH	03	657437001	02/27/2024	Ru-103	-4.06E+00	4.86E+00	1.47E+01	U
FH	03	657437001	02/27/2024	Ru-106	1.25E+01	3.45E+01	1.19E+02	U
FH	03	657437001	02/27/2024	Sb-124	9.98E+00	6.87E+00	3.01E+01	U
FH	03	657437001	02/27/2024	Sb-125	-5.31E+00	1.06E+01	3.13E+01	U
FH	03	657437001	02/27/2024	Se-75	-8.71E+00	5.68E+00	1.50E+01	U
FH	03	657437001	02/27/2024	Th-228	8.13E+00	1.45E+01	3.14E+01	U
FH	03	657437001	02/27/2024	Th-230	3.80E+00	9.94E+00	3.28E+01	U
FH	03	657437001	02/27/2024	TL-208	0.00E+00	7.97E+00	1.81E+01	U
FH	03	657437001	02/27/2024	Zn-65	-2.88E+00	1.14E+01	3.73E+01	U
FH	03	657437001	02/27/2024	Zr-95	-3.59E+00	9.12E+00	2.86E+01	U
FH	03	668973001	05/20/2024	Ac-228	-6.09E+00	1.20E+01	3.83E+01	U
FH	03	668973001	05/20/2024	Ag-108m	1.16E+00	2.80E+00	7.04E+00	U
FH	03	668973001	05/20/2024	Ag-110m	-1.75E+00	2.85E+00	8.46E+00	U
FH	03	668973001	05/20/2024	Ba-140	-1.40E+01	3.43E+01	9.76E+01	U
FH	03	668973001	05/20/2024	Be-7	-1.56E+01	2.13E+01	6.70E+01	U
FH	03	668973001	05/20/2024	Bi-214	6.60E+00	6.05E+00	1.76E+01	U
FH	03	668973001	05/20/2024	Ce-141	-2.38E-01	5.10E+00	1.65E+01	U
FH	03	668973001	05/20/2024	Ce-144	-4.42E-02	1.24E+01	4.02E+01	U
FH	03	668973001	05/20/2024	Co-57	1.45E-01	1.62E+00	5.31E+00	U
FH	03	668973001	05/20/2024	Co-58	-6.20E+00	3.41E+00	8.31E+00	U
FH	03	668973001	05/20/2024	Co-60	2.63E+00	2.63E+00	9.34E+00	U
FH	03	668973001	05/20/2024	Cr-51	6.38E+01	3.35E+01	1.13E+02	U
FH	03	668973001	05/20/2024	Cs-134	-3.47E+00	2.84E+00	7.94E+00	U
FH	03	668973001	05/20/2024	Cs-137	-2.78E+00	2.86E+00	7.43E+00	U
FH	03	668973001	05/20/2024	Fe-59	-2.77E+00	7.18E+00	2.36E+01	U
FH	03	668973001	05/20/2024	I-131	5.22E+01	2.62E+01	8.75E+01	U
FH	03	668973001	05/20/2024	K-40	3.33E+03	2.12E+02	5.70E+01	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	668973001	05/20/2024	La-140	-6.01E+00	9.55E+00	2.78E+01	U
FH	03	668973001	05/20/2024	Mn-54	2.52E+00	2.41E+00	8.17E+00	U
FH	03	668973001	05/20/2024	Nb-95	1.15E-01	3.01E+00	9.80E+00	U
FH	03	668973001	05/20/2024	Pb-212	4.04E+00	5.44E+00	1.38E+01	U
FH	03	668973001	05/20/2024	Pb-214	9.10E-01	4.61E+00	1.59E+01	U
FH	03	668973001	05/20/2024	Ra-226	9.10E-01	4.61E+00	1.59E+01	U
FH	03	668973001	05/20/2024	Ru-103	1.86E+00	3.03E+00	1.04E+01	U
FH	03	668973001	05/20/2024	Ru-106	2.54E+00	2.08E+01	6.19E+01	U
FH	03	668973001	05/20/2024	Sb-124	-1.16E-01	5.02E+00	1.64E+01	U
FH	03	668973001	05/20/2024	Sb-125	8.24E+00	5.53E+00	1.91E+01	U
FH	03	668973001	05/20/2024	Se-75	4.13E+00	3.07E+00	9.85E+00	U
FH	03	668973001	05/20/2024	Th-228	4.04E+00	5.44E+00	1.38E+01	U
FH	03	668973001	05/20/2024	Th-230	9.10E-01	4.61E+00	1.59E+01	U
FH	03	668973001	05/20/2024	TL-208	4.86E+00	2.62E+00	5.81E+00	U
FH	03	668973001	05/20/2024	Zn-65	6.11E+00	6.16E+00	2.17E+01	U
FH	03	668973001	05/20/2024	Zr-95	2.82E+00	4.54E+00	1.54E+01	U
FH	03	697946001	11/25/2024	Ac-228	2.09E+01	2.21E+01	4.57E+01	U
FH	03	697946001	11/25/2024	Ag-108m	-1.14E+00	2.31E+00	7.38E+00	U
FH	03	697946001	11/25/2024	Ag-110m	-1.34E-01	4.13E+00	1.31E+01	U
FH	03	697946001	11/25/2024	Ba-140	-7.98E+00	1.63E+01	5.11E+01	U
FH	03	697946001	11/25/2024	Be-7	-4.68E+00	2.37E+01	7.72E+01	U
FH	03	697946001	11/25/2024	Bi-214	5.46E+00	1.06E+01	1.87E+01	U
FH	03	697946001	11/25/2024	Ce-141	-7.34E+00	5.37E+00	1.45E+01	U
FH	03	697946001	11/25/2024	Ce-144	-2.77E+01	1.82E+01	4.99E+01	U
FH	03	697946001	11/25/2024	Co-57	-4.52E-01	2.30E+00	7.34E+00	U
FH	03	697946001	11/25/2024	Co-58	6.42E-01	2.80E+00	8.26E+00	U
FH	03	697946001	11/25/2024	Co-60	1.64E+00	3.42E+00	1.15E+01	U
FH	03	697946001	11/25/2024	Cr-51	5.04E+01	2.83E+01	9.60E+01	U
FH	03	697946001	11/25/2024	Cs-134	3.25E+00	3.96E+00	1.33E+01	U
FH	03	697946001	11/25/2024	Cs-137	9.24E+00	4.01E+00	1.31E+01	U
FH	03	697946001	11/25/2024	Fe-59	5.50E+00	7.23E+00	2.54E+01	U
FH	03	697946001	11/25/2024	I-131	-1.79E-01	4.98E+00	1.67E+01	U
FH	03	697946001	11/25/2024	K-40	3.85E+03	2.48E+02	9.75E+01	
FH	03	697946001	11/25/2024	La-140	-9.38E+00	5.03E+00	7.66E+00	U
FH	03	697946001	11/25/2024	Mn-54	2.95E-01	2.98E+00	9.57E+00	U
FH	03	697946001	11/25/2024	Nb-95	1.51E+00	3.40E+00	1.13E+01	U
FH	03	697946001	11/25/2024	Pb-212	2.81E+00	8.74E+00	1.98E+01	U
FH	03	697946001	11/25/2024	Pb-214	-1.59E+00	7.24E+00	2.26E+01	U
FH	03	697946001	11/25/2024	Ra-226	-1.59E+00	7.24E+00	2.26E+01	U
FH	03	697946001	11/25/2024	Ru-103	-2.39E-01	2.77E+00	9.09E+00	U
FH	03	697946001	11/25/2024	Ru-106	-3.47E+01	3.00E+01	8.47E+01	U
FH	03	697946001	11/25/2024	Sb-124	7.67E+00	6.39E+00	2.41E+01	U
FH	03	697946001	11/25/2024	Sb-125	8.78E+00	7.13E+00	2.48E+01	U
FH	03	697946001	11/25/2024	Se-75	8.95E+00	5.30E+00	1.22E+01	U
FH	03	697946001	11/25/2024	Th-228	2.81E+00	8.74E+00	1.98E+01	U
FH	03	697946001	11/25/2024	Th-230	-1.59E+00	7.24E+00	2.26E+01	U
FH	03	697946001	11/25/2024	TL-208	2.60E+00	5.58E+00	8.52E+00	U
FH	03	697946001	11/25/2024	Zn-65	1.65E+01	8.25E+00	2.54E+01	U
FH	03	697946001	11/25/2024	Zr-95	4.22E+00	6.50E+00	2.18E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	684142001	08/27/2024	Ac-228	4.79E+00	1.82E+01	4.53E+01	U
FH	03	684142001	08/27/2024	Ag-108m	1.15E+00	1.95E+00	6.40E+00	U
FH	03	684142001	08/27/2024	Ag-110m	-1.89E+00	4.41E+00	1.24E+01	U
FH	03	684142001	08/27/2024	Ba-140	2.48E+01	1.72E+01	5.97E+01	U
FH	03	684142001	08/27/2024	Be-7	-6.30E+00	2.12E+01	6.83E+01	U
FH	03	684142001	08/27/2024	Bi-214	5.83E+00	5.68E+00	1.85E+01	U
FH	03	684142001	08/27/2024	Ce-141	4.32E+00	3.77E+00	1.26E+01	U
FH	03	684142001	08/27/2024	Ce-144	8.69E+00	1.16E+01	3.88E+01	U
FH	03	684142001	08/27/2024	Co-57	1.38E+00	1.54E+00	5.18E+00	U
FH	03	684142001	08/27/2024	Co-58	5.00E-01	2.71E+00	8.27E+00	U
FH	03	684142001	08/27/2024	Co-60	1.30E+00	3.46E+00	1.16E+01	U
FH	03	684142001	08/27/2024	Cr-51	2.16E+01	2.57E+01	8.94E+01	U
FH	03	684142001	08/27/2024	Cs-134	-8.25E-01	2.85E+00	8.22E+00	U
FH	03	684142001	08/27/2024	Cs-137	2.02E-01	2.68E+00	8.63E+00	U
FH	03	684142001	08/27/2024	Fe-59	-4.87E+00	6.99E+00	2.12E+01	U
FH	03	684142001	08/27/2024	I-131	2.37E+00	7.63E+00	2.61E+01	U
FH	03	684142001	08/27/2024	K-40	3.40E+03	2.28E+02	7.77E+01	
FH	03	684142001	08/27/2024	La-140	6.51E-01	5.55E+00	1.89E+01	U
FH	03	684142001	08/27/2024	Mn-54	1.96E+00	2.35E+00	8.32E+00	U
FH	03	684142001	08/27/2024	Nb-95	1.53E+00	2.96E+00	1.03E+01	U
FH	03	684142001	08/27/2024	Pb-212	3.79E+00	6.15E+00	1.50E+01	U
FH	03	684142001	08/27/2024	Pb-214	9.28E-01	5.19E+00	1.70E+01	U
FH	03	684142001	08/27/2024	Ra-226	9.28E-01	5.19E+00	1.70E+01	U
FH	03	684142001	08/27/2024	Ru-103	2.85E+00	4.81E+00	8.07E+00	U
FH	03	684142001	08/27/2024	Ru-106	5.73E+00	2.24E+01	7.35E+01	U
FH	03	684142001	08/27/2024	Sb-124	3.86E-01	5.28E+00	1.79E+01	U
FH	03	684142001	08/27/2024	Sb-125	1.81E+01	1.25E+01	2.09E+01	U
FH	03	684142001	08/27/2024	Se-75	1.97E+00	3.04E+00	9.73E+00	U
FH	03	684142001	08/27/2024	Th-228	3.79E+00	6.15E+00	1.50E+01	U
FH	03	684142001	08/27/2024	Th-230	9.28E-01	5.19E+00	1.70E+01	U
FH	03	684142001	08/27/2024	TL-208	-5.57E+00	3.07E+00	8.28E+00	U
FH	03	684142001	08/27/2024	Zn-65	-1.44E+01	8.35E+00	1.64E+01	U
FH	03	684142001	08/27/2024	Zr-95	8.71E+00	5.22E+00	1.85E+01	U
FH	06	693390001	10/29/2024	Ac-228	-3.44E+00	1.29E+01	4.09E+01	U
FH	06	693390001	10/29/2024	Ag-108m	-1.24E+00	1.74E+00	5.25E+00	U
FH	06	693390001	10/29/2024	Ag-110m	-2.62E+00	2.96E+00	8.77E+00	U
FH	06	693390001	10/29/2024	Ba-140	1.95E+00	1.27E+01	4.18E+01	U
FH	06	693390001	10/29/2024	Be-7	2.30E+01	2.08E+01	7.15E+01	U
FH	06	693390001	10/29/2024	Bi-214	-9.37E-01	6.20E+00	1.98E+01	U
FH	06	693390001	10/29/2024	Ce-141	-4.29E+00	4.07E+00	1.29E+01	U
FH	06	693390001	10/29/2024	Ce-144	-2.15E+01	1.62E+01	4.38E+01	U
FH	06	693390001	10/29/2024	Co-57	4.67E-01	1.96E+00	6.20E+00	U
FH	06	693390001	10/29/2024	Co-58	4.10E-01	2.33E+00	7.54E+00	U
FH	06	693390001	10/29/2024	Co-60	-1.36E+00	3.03E+00	9.39E+00	U
FH	06	693390001	10/29/2024	Cr-51	-1.62E+00	2.21E+01	7.34E+01	U
FH	06	693390001	10/29/2024	Cs-134	2.37E+00	3.08E+00	1.04E+01	U
FH	06	693390001	10/29/2024	Cs-137	5.14E-01	2.55E+00	8.32E+00	U
FH	06	693390001	10/29/2024	Fe-59	-3.01E+00	6.20E+00	1.96E+01	U
FH	06	693390001	10/29/2024	I-131	9.68E-01	5.11E+00	1.71E+01	U
FH	06	693390001	10/29/2024	K-40	2.31E+03	1.99E+02	9.45E+01	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	06	693390001	10/29/2024	La-140	-4.68E+00	3.59E+00	6.86E+00	U
FH	06	693390001	10/29/2024	Mn-54	3.20E+00	2.20E+00	8.08E+00	U
FH	06	693390001	10/29/2024	Nb-95	1.18E+00	2.42E+00	8.07E+00	U
FH	06	693390001	10/29/2024	Pb-212	0.00E+00	1.14E+01	1.20E+01	U
FH	06	693390001	10/29/2024	Pb-214	1.29E+01	6.86E+00	2.26E+01	U
FH	06	693390001	10/29/2024	Ra-226	1.29E+01	6.86E+00	2.26E+01	U
FH	06	693390001	10/29/2024	Ru-103	2.72E+00	2.62E+00	8.97E+00	U
FH	06	693390001	10/29/2024	Ru-106	2.73E+01	2.41E+01	8.65E+01	U
FH	06	693390001	10/29/2024	Sb-124	-5.12E-01	6.01E+00	1.92E+01	U
FH	06	693390001	10/29/2024	Sb-125	4.55E+00	5.98E+00	2.05E+01	U
FH	06	693390001	10/29/2024	Se-75	1.71E+00	3.15E+00	1.08E+01	U
FH	06	693390001	10/29/2024	Th-228	0.00E+00	1.14E+01	1.20E+01	U
FH	06	693390001	10/29/2024	Th-230	1.29E+01	6.86E+00	2.26E+01	U
FH	06	693390001	10/29/2024	TL-208	9.32E+00	3.56E+00	1.12E+01	U
FH	06	693390001	10/29/2024	Zn-65	6.95E+00	7.17E+00	2.53E+01	U
FH	06	693390001	10/29/2024	Zr-95	1.79E+00	4.56E+00	1.51E+01	U
FH	53	657437002	02/24/2024	Ac-228	-9.90E+00	2.80E+01	8.40E+01	U
FH	53	657437002	02/24/2024	Ag-108m	3.65E+00	6.06E+00	2.11E+01	U
FH	53	657437002	02/24/2024	Ag-110m	8.86E+00	8.03E+00	3.01E+01	U
FH	53	657437002	02/24/2024	Ba-140	5.05E+01	3.93E+01	1.40E+02	U
FH	53	657437002	02/24/2024	Be-7	-1.08E+02	5.56E+01	1.21E+02	U
FH	53	657437002	02/24/2024	Bi-214	3.24E+00	1.67E+01	5.69E+01	U
FH	53	657437002	02/24/2024	Ce-141	-7.69E+00	8.81E+00	2.69E+01	U
FH	53	657437002	02/24/2024	Ce-144	1.70E-02	2.81E+01	9.32E+01	U
FH	53	657437002	02/24/2024	Co-57	5.35E+00	3.97E+00	1.37E+01	U
FH	53	657437002	02/24/2024	Co-58	-5.98E+00	6.67E+00	1.76E+01	U
FH	53	657437002	02/24/2024	Co-60	-7.37E+00	6.76E+00	1.62E+01	U
FH	53	657437002	02/24/2024	Cr-51	-2.09E+01	4.74E+01	1.56E+02	U
FH	53	657437002	02/24/2024	Cs-134	1.36E+00	5.95E+00	1.97E+01	U
FH	53	657437002	02/24/2024	Cs-137	-3.33E-01	5.92E+00	1.81E+01	U
FH	53	657437002	02/24/2024	Fe-59	1.23E+01	1.82E+01	6.42E+01	U
FH	53	657437002	02/24/2024	I-131	0.00E+00	3.21E+01	3.15E+01	U
FH	53	657437002	02/24/2024	K-40	2.02E+03	3.28E+02	3.07E+02	
FH	53	657437002	02/24/2024	La-140	1.60E+01	1.24E+01	4.84E+01	U
FH	53	657437002	02/24/2024	Mn-54	7.94E+00	6.64E+00	2.37E+01	U
FH	53	657437002	02/24/2024	Nb-95	-2.09E-01	6.85E+00	2.18E+01	U
FH	53	657437002	02/24/2024	Pb-212	2.33E+01	1.50E+01	3.82E+01	U
FH	53	657437002	02/24/2024	Pb-214	1.84E+00	1.31E+01	4.64E+01	U
FH	53	657437002	02/24/2024	Ra-226	1.84E+00	1.31E+01	4.64E+01	U
FH	53	657437002	02/24/2024	Ru-103	2.38E+00	8.00E+00	2.46E+01	U
FH	53	657437002	02/24/2024	Ru-106	6.78E+01	5.72E+01	2.04E+02	U
FH	53	657437002	02/24/2024	Sb-124	1.55E+01	1.41E+01	5.64E+01	U
FH	53	657437002	02/24/2024	Sb-125	-1.93E+00	1.29E+01	4.27E+01	U
FH	53	657437002	02/24/2024	Se-75	-3.97E+00	7.45E+00	2.21E+01	U
FH	53	657437002	02/24/2024	Th-228	2.33E+01	1.50E+01	3.82E+01	U
FH	53	657437002	02/24/2024	Th-230	1.84E+00	1.31E+01	4.64E+01	U
FH	53	657437002	02/24/2024	TL-208	9.93E+00	7.64E+00	2.71E+01	U
FH	53	657437002	02/24/2024	Zn-65	-6.56E+00	1.66E+01	5.23E+01	U
FH	53	657437002	02/24/2024	Zr-95	5.47E+00	1.23E+01	4.15E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	668973002	05/21/2024	Ac-228	1.40E+01	1.82E+01	5.06E+01	U
FH	53	668973002	05/21/2024	Ag-108m	2.14E+00	2.02E+00	7.09E+00	U
FH	53	668973002	05/21/2024	Ag-110m	7.31E+00	4.94E+00	1.36E+01	U
FH	53	668973002	05/21/2024	Ba-140	-4.72E+01	3.72E+01	1.04E+02	U
FH	53	668973002	05/21/2024	Be-7	-2.76E+01	3.01E+01	9.21E+01	U
FH	53	668973002	05/21/2024	Bi-214	-1.16E+01	7.04E+00	1.99E+01	U
FH	53	668973002	05/21/2024	Ce-141	-1.68E+00	7.31E+00	2.17E+01	U
FH	53	668973002	05/21/2024	Ce-144	-1.14E+01	1.78E+01	5.59E+01	U
FH	53	668973002	05/21/2024	Co-57	-1.90E-01	2.05E+00	6.69E+00	U
FH	53	668973002	05/21/2024	Co-58	-1.62E+00	3.61E+00	1.11E+01	U
FH	53	668973002	05/21/2024	Co-60	-8.02E-02	3.72E+00	1.18E+01	U
FH	53	668973002	05/21/2024	Cr-51	7.63E+01	4.07E+01	1.39E+02	U
FH	53	668973002	05/21/2024	Cs-134	-1.34E+00	3.39E+00	1.05E+01	U
FH	53	668973002	05/21/2024	Cs-137	5.03E+00	3.01E+00	7.44E+00	U
FH	53	668973002	05/21/2024	Fe-59	-4.59E+00	8.88E+00	2.84E+01	U
FH	53	668973002	05/21/2024	I-131	-2.18E+01	2.75E+01	8.75E+01	U
FH	53	668973002	05/21/2024	K-40	3.42E+03	2.52E+02	9.79E+01	
FH	53	668973002	05/21/2024	La-140	7.02E+00	1.35E+01	4.74E+01	U
FH	53	668973002	05/21/2024	Mn-54	-3.74E+00	3.67E+00	8.86E+00	U
FH	53	668973002	05/21/2024	Nb-95	2.02E-01	4.12E+00	1.34E+01	U
FH	53	668973002	05/21/2024	Pb-212	-1.39E+00	5.29E+00	1.71E+01	U
FH	53	668973002	05/21/2024	Pb-214	-4.80E+00	6.49E+00	1.99E+01	U
FH	53	668973002	05/21/2024	Ra-226	-4.80E+00	6.49E+00	1.99E+01	U
FH	53	668973002	05/21/2024	Ru-103	6.02E-01	3.72E+00	1.26E+01	U
FH	53	668973002	05/21/2024	Ru-106	1.58E+01	2.32E+01	7.30E+01	U
FH	53	668973002	05/21/2024	Sb-124	-4.32E+00	6.77E+00	1.88E+01	U
FH	53	668973002	05/21/2024	Sb-125	-7.73E+00	6.72E+00	1.71E+01	U
FH	53	668973002	05/21/2024	Se-75	-6.61E+00	4.50E+00	1.20E+01	U
FH	53	668973002	05/21/2024	Th-228	-1.39E+00	5.29E+00	1.71E+01	U
FH	53	668973002	05/21/2024	Th-230	-4.80E+00	6.49E+00	1.99E+01	U
FH	53	668973002	05/21/2024	TL-208	0.00E+00	5.79E+00	6.85E+00	U
FH	53	668973002	05/21/2024	Zn-65	5.49E+00	8.56E+00	2.70E+01	U
FH	53	668973002	05/21/2024	Zr-95	-1.19E+01	6.69E+00	1.56E+01	U
FH	53	684142002	08/20/2024	Ac-228	1.32E+01	1.19E+01	4.16E+01	U
FH	53	684142002	08/20/2024	Ag-108m	-3.62E-01	1.95E+00	6.22E+00	U
FH	53	684142002	08/20/2024	Ag-110m	-4.17E+00	4.30E+00	1.27E+01	U
FH	53	684142002	08/20/2024	Ba-140	1.73E+01	2.99E+01	9.89E+01	U
FH	53	684142002	08/20/2024	Be-7	-4.61E+01	2.83E+01	7.24E+01	U
FH	53	684142002	08/20/2024	Bi-214	1.30E+00	5.84E+00	1.99E+01	U
FH	53	684142002	08/20/2024	Ce-141	0.00E+00	1.32E+01	1.73E+01	U
FH	53	684142002	08/20/2024	Ce-144	3.78E+01	2.56E+01	4.97E+01	U
FH	53	684142002	08/20/2024	Co-57	-6.83E-01	2.09E+00	6.29E+00	U
FH	53	684142002	08/20/2024	Co-58	1.46E+00	2.50E+00	8.75E+00	U
FH	53	684142002	08/20/2024	Co-60	-5.60E+00	3.13E+00	6.25E+00	U
FH	53	684142002	08/20/2024	Cr-51	-2.30E+01	3.21E+01	1.00E+02	U
FH	53	684142002	08/20/2024	Cs-134	3.12E+00	2.92E+00	1.03E+01	U
FH	53	684142002	08/20/2024	Cs-137	1.70E+00	2.27E+00	7.32E+00	U
FH	53	684142002	08/20/2024	Fe-59	-1.88E+01	8.25E+00	1.45E+01	U
FH	53	684142002	08/20/2024	I-131	-1.06E+01	1.75E+01	5.45E+01	U
FH	53	684142002	08/20/2024	K-40	2.58E+03	1.94E+02	9.99E+01	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	684142002	08/20/2024	La-140	-7.56E+00	1.02E+01	2.98E+01	U
FH	53	684142002	08/20/2024	Mn-54	-5.15E+00	2.94E+00	7.37E+00	U
FH	53	684142002	08/20/2024	Nb-95	9.05E-01	3.13E+00	1.12E+01	U
FH	53	684142002	08/20/2024	Pb-212	1.34E+01	7.11E+00	1.83E+01	U
FH	53	684142002	08/20/2024	Pb-214	-1.28E+01	7.09E+00	1.80E+01	U
FH	53	684142002	08/20/2024	Ra-226	-1.28E+01	7.09E+00	1.80E+01	U
FH	53	684142002	08/20/2024	Ru-103	-1.89E-01	3.29E+00	1.05E+01	U
FH	53	684142002	08/20/2024	Ru-106	8.54E+00	2.33E+01	6.77E+01	U
FH	53	684142002	08/20/2024	Sb-124	-8.35E+00	6.33E+00	1.43E+01	U
FH	53	684142002	08/20/2024	Sb-125	-4.61E+00	6.58E+00	2.00E+01	U
FH	53	684142002	08/20/2024	Se-75	7.53E-01	3.25E+00	1.10E+01	U
FH	53	684142002	08/20/2024	Th-228	1.34E+01	7.11E+00	1.83E+01	U
FH	53	684142002	08/20/2024	Th-230	-1.28E+01	7.09E+00	1.80E+01	U
FH	53	684142002	08/20/2024	TL-208	4.39E+00	6.13E+00	7.79E+00	U
FH	53	684142002	08/20/2024	Zn-65	-1.17E+01	7.71E+00	1.97E+01	U
FH	53	684142002	08/20/2024	Zr-95	-4.32E+00	5.11E+00	1.54E+01	U
FH	53	698615001	12/02/2024	Ac-228	-5.88E+00	1.53E+01	5.02E+01	U
FH	53	698615001	12/02/2024	Ag-108m	-3.07E+00	2.50E+00	7.44E+00	U
FH	53	698615001	12/02/2024	Ag-110m	-7.06E+00	4.52E+00	1.09E+01	U
FH	53	698615001	12/02/2024	Ba-140	3.53E+00	1.52E+01	5.17E+01	U
FH	53	698615001	12/02/2024	Be-7	2.77E+01	2.47E+01	8.66E+01	U
FH	53	698615001	12/02/2024	Bi-214	-8.46E+00	8.10E+00	2.55E+01	U
FH	53	698615001	12/02/2024	Ce-141	-5.21E+00	5.46E+00	1.60E+01	U
FH	53	698615001	12/02/2024	Ce-144	-4.69E+01	2.10E+01	5.19E+01	U
FH	53	698615001	12/02/2024	Co-57	6.37E-01	2.13E+00	7.16E+00	U
FH	53	698615001	12/02/2024	Co-58	-4.36E-01	3.23E+00	1.03E+01	U
FH	53	698615001	12/02/2024	Co-60	5.34E+00	3.69E+00	1.35E+01	U
FH	53	698615001	12/02/2024	Cr-51	-6.79E+01	3.29E+01	7.46E+01	U
FH	53	698615001	12/02/2024	Cs-134	-7.01E-02	2.82E+00	9.12E+00	U
FH	53	698615001	12/02/2024	Cs-137	2.28E+00	2.79E+00	9.69E+00	U
FH	53	698615001	12/02/2024	Fe-59	5.59E+00	8.63E+00	3.03E+01	U
FH	53	698615001	12/02/2024	I-131	3.67E+00	5.47E+00	1.92E+01	U
FH	53	698615001	12/02/2024	K-40	3.69E+03	2.69E+02	6.67E+01	
FH	53	698615001	12/02/2024	La-140	-3.69E-02	4.41E+00	1.45E+01	U
FH	53	698615001	12/02/2024	Mn-54	3.11E+00	3.19E+00	1.10E+01	U
FH	53	698615001	12/02/2024	Nb-95	-1.39E+00	4.00E+00	1.20E+01	U
FH	53	698615001	12/02/2024	Pb-212	-8.83E+00	6.07E+00	1.64E+01	U
FH	53	698615001	12/02/2024	Pb-214	-7.20E-01	7.27E+00	2.22E+01	U
FH	53	698615001	12/02/2024	Ra-226	-7.20E-01	7.27E+00	2.22E+01	U
FH	53	698615001	12/02/2024	Ru-103	1.18E+00	2.73E+00	9.42E+00	U
FH	53	698615001	12/02/2024	Ru-106	2.11E+01	2.66E+01	9.18E+01	U
FH	53	698615001	12/02/2024	Sb-124	1.06E+01	7.20E+00	2.75E+01	U
FH	53	698615001	12/02/2024	Sb-125	2.09E+00	7.05E+00	2.44E+01	U
FH	53	698615001	12/02/2024	Se-75	-7.14E+00	4.18E+00	1.07E+01	U
FH	53	698615001	12/02/2024	Th-228	-8.83E+00	6.07E+00	1.64E+01	U
FH	53	698615001	12/02/2024	Th-230	-7.20E-01	7.27E+00	2.22E+01	U
FH	53	698615001	12/02/2024	TL-208	-6.51E+00	3.67E+00	9.48E+00	U
FH	53	698615001	12/02/2024	Zn-65	1.43E+01	8.30E+00	2.95E+01	U
FH	53	698615001	12/02/2024	Zr-95	-8.04E+00	6.56E+00	1.82E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	668988001	05/22/2024	Ac-228	5.72E+00	9.30E+00	3.15E+01	U
HA	04	668988001	05/22/2024	Ag-108m	1.92E+00	1.53E+00	4.15E+00	U
HA	04	668988001	05/22/2024	Ag-110m	3.56E+00	2.94E+00	1.01E+01	U
HA	04	668988001	05/22/2024	Ba-140	1.60E+01	2.76E+01	9.49E+01	U
HA	04	668988001	05/22/2024	Be-7	2.17E+01	1.97E+01	6.87E+01	U
HA	04	668988001	05/22/2024	Bi-214	4.13E+00	8.56E+00	1.77E+01	U
HA	04	668988001	05/22/2024	Ce-141	-7.42E+00	4.62E+00	1.25E+01	U
HA	04	668988001	05/22/2024	Ce-144	-8.24E-01	1.15E+01	3.45E+01	U
HA	04	668988001	05/22/2024	Co-57	-1.80E+00	1.55E+00	4.57E+00	U
HA	04	668988001	05/22/2024	Co-58	1.46E+00	2.62E+00	8.78E+00	U
HA	04	668988001	05/22/2024	Co-60	-1.90E+00	1.80E+00	4.81E+00	U
HA	04	668988001	05/22/2024	Cr-51	-9.35E+00	2.76E+01	9.27E+01	U
HA	04	668988001	05/22/2024	Cs-134	-3.34E+00	2.60E+00	5.61E+00	U
HA	04	668988001	05/22/2024	Cs-137	3.28E+00	2.72E+00	7.60E+00	U
HA	04	668988001	05/22/2024	Fe-59	-1.30E+00	5.88E+00	1.94E+01	U
HA	04	668988001	05/22/2024	I-131	-2.51E+00	1.69E+01	5.70E+01	U
HA	04	668988001	05/22/2024	K-40	2.05E+03	1.54E+02	7.98E+01	
HA	04	668988001	05/22/2024	La-140	-1.11E+01	1.02E+01	2.65E+01	U
HA	04	668988001	05/22/2024	Mn-54	-2.14E-01	2.18E+00	6.94E+00	U
HA	04	668988001	05/22/2024	Nb-95	2.40E+00	3.07E+00	1.04E+01	U
HA	04	668988001	05/22/2024	Pb-212	8.35E-01	5.70E+00	1.26E+01	U
HA	04	668988001	05/22/2024	Pb-214	-7.83E+00	4.75E+00	1.29E+01	U
HA	04	668988001	05/22/2024	Ra-226	-7.83E+00	4.75E+00	1.29E+01	U
HA	04	668988001	05/22/2024	Ru-103	1.53E+00	3.08E+00	1.05E+01	U
HA	04	668988001	05/22/2024	Ru-106	-7.98E+00	1.87E+01	5.93E+01	U
HA	04	668988001	05/22/2024	Sb-124	-9.16E+00	5.24E+00	8.13E+00	U
HA	04	668988001	05/22/2024	Sb-125	3.68E+00	4.31E+00	1.46E+01	U
HA	04	668988001	05/22/2024	Se-75	-4.03E+00	2.65E+00	6.77E+00	U
HA	04	668988001	05/22/2024	Th-228	8.35E-01	5.70E+00	1.26E+01	U
HA	04	668988001	05/22/2024	Th-230	-7.83E+00	4.75E+00	1.29E+01	U
HA	04	668988001	05/22/2024	TL-208	1.24E+00	2.36E+00	7.69E+00	U
HA	04	668988001	05/22/2024	Zn-65	-9.36E-02	4.99E+00	1.48E+01	U
HA	04	668988001	05/22/2024	Zr-95	8.10E-01	3.74E+00	1.24E+01	U
HA	04	697937001	11/20/2024	Ac-228	-1.20E+00	1.12E+01	3.68E+01	U
HA	04	697937001	11/20/2024	Ag-108m	-3.60E+00	1.75E+00	4.09E+00	U
HA	04	697937001	11/20/2024	Ag-110m	-8.46E+00	4.25E+00	8.22E+00	U
HA	04	697937001	11/20/2024	Ba-140	-2.30E+01	1.50E+01	3.96E+01	U
HA	04	697937001	11/20/2024	Be-7	-5.70E+00	1.94E+01	6.35E+01	U
HA	04	697937001	11/20/2024	Bi-214	1.48E+00	5.97E+00	1.94E+01	U
HA	04	697937001	11/20/2024	Ce-141	-6.02E+00	4.27E+00	1.21E+01	U
HA	04	697937001	11/20/2024	Ce-144	5.92E+00	1.42E+01	4.35E+01	U
HA	04	697937001	11/20/2024	Co-57	9.71E-01	1.59E+00	5.33E+00	U
HA	04	697937001	11/20/2024	Co-58	1.21E+00	2.47E+00	8.28E+00	U
HA	04	697937001	11/20/2024	Co-60	6.23E+00	3.02E+00	8.85E+00	U
HA	04	697937001	11/20/2024	Cr-51	2.03E+00	2.18E+01	7.51E+01	U
HA	04	697937001	11/20/2024	Cs-134	-1.74E+00	2.22E+00	6.37E+00	U
HA	04	697937001	11/20/2024	Cs-137	-3.19E-01	2.12E+00	6.07E+00	U
HA	04	697937001	11/20/2024	Fe-59	-6.08E+00	5.63E+00	1.64E+01	U
HA	04	697937001	11/20/2024	I-131	5.58E+00	6.61E+00	2.32E+01	U
HA	04	697937001	11/20/2024	K-40	2.48E+03	1.81E+02	4.83E+01	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	697937001	11/20/2024	La-140	6.16E+00	7.12E+00	2.50E+01	U
HA	04	697937001	11/20/2024	Mn-54	-2.34E+00	2.86E+00	7.17E+00	U
HA	04	697937001	11/20/2024	Nb-95	1.18E+00	2.52E+00	8.45E+00	U
HA	04	697937001	11/20/2024	Pb-212	1.03E+01	7.82E+00	1.51E+01	U
HA	04	697937001	11/20/2024	Pb-214	7.10E+00	7.74E+00	1.95E+01	U
HA	04	697937001	11/20/2024	Ra-226	7.10E+00	7.74E+00	1.95E+01	U
HA	04	697937001	11/20/2024	Ru-103	-2.92E-01	1.86E+00	6.10E+00	U
HA	04	697937001	11/20/2024	Ru-106	-3.12E+01	2.37E+01	6.62E+01	U
HA	04	697937001	11/20/2024	Sb-124	-3.67E-01	5.63E+00	1.82E+01	U
HA	04	697937001	11/20/2024	Sb-125	1.09E+01	6.57E+00	2.25E+01	U
HA	04	697937001	11/20/2024	Se-75	1.05E+00	2.75E+00	8.81E+00	U
HA	04	697937001	11/20/2024	Th-228	1.03E+01	7.82E+00	1.51E+01	U
HA	04	697937001	11/20/2024	Th-230	7.10E+00	7.74E+00	1.95E+01	U
HA	04	697937001	11/20/2024	TL-208	0.00E+00	5.46E+00	7.22E+00	U
HA	04	697937001	11/20/2024	Zn-65	-7.16E+00	5.97E+00	1.72E+01	U
HA	04	697937001	11/20/2024	Zr-95	-4.80E+00	4.82E+00	1.37E+01	U
HA	54	674033001	06/25/2024	Ac-228	-4.65E+00	9.48E+00	2.96E+01	U
HA	54	674033001	06/25/2024	Ag-108m	-2.86E+00	1.70E+00	4.55E+00	U
HA	54	674033001	06/25/2024	Ag-110m	-3.34E+00	3.27E+00	9.11E+00	U
HA	54	674033001	06/25/2024	Ba-140	9.94E+00	1.51E+01	5.19E+01	U
HA	54	674033001	06/25/2024	Be-7	1.31E+01	1.82E+01	6.28E+01	U
HA	54	674033001	06/25/2024	Bi-214	3.53E+00	5.21E+00	1.66E+01	U
HA	54	674033001	06/25/2024	Ce-141	2.89E+00	3.66E+00	1.21E+01	U
HA	54	674033001	06/25/2024	Ce-144	2.73E-01	1.11E+01	3.62E+01	U
HA	54	674033001	06/25/2024	Co-57	6.98E-02	1.48E+00	4.86E+00	U
HA	54	674033001	06/25/2024	Co-58	-1.55E+00	2.52E+00	7.57E+00	U
HA	54	674033001	06/25/2024	Co-60	3.21E-02	2.37E+00	7.76E+00	U
HA	54	674033001	06/25/2024	Cr-51	3.71E+01	2.19E+01	7.55E+01	U
HA	54	674033001	06/25/2024	Cs-134	1.12E+00	2.27E+00	7.60E+00	U
HA	54	674033001	06/25/2024	Cs-137	3.77E+00	2.26E+00	7.78E+00	U
HA	54	674033001	06/25/2024	Fe-59	-3.13E-01	5.03E+00	1.69E+01	U
HA	54	674033001	06/25/2024	I-131	-1.34E+00	6.71E+00	2.02E+01	U
HA	54	674033001	06/25/2024	K-40	2.38E+03	1.70E+02	3.10E+01	U
HA	54	674033001	06/25/2024	La-140	-2.81E+00	4.68E+00	1.37E+01	U
HA	54	674033001	06/25/2024	Mn-54	1.01E+00	1.93E+00	6.48E+00	U
HA	54	674033001	06/25/2024	Nb-95	-7.83E-01	2.66E+00	8.04E+00	U
HA	54	674033001	06/25/2024	Pb-212	-5.35E+00	4.41E+00	1.21E+01	U
HA	54	674033001	06/25/2024	Pb-214	-9.04E-01	4.69E+00	1.45E+01	U
HA	54	674033001	06/25/2024	Ra-226	-9.04E-01	4.69E+00	1.45E+01	U
HA	54	674033001	06/25/2024	Ru-103	-1.45E+00	2.30E+00	7.27E+00	U
HA	54	674033001	06/25/2024	Ru-106	-8.30E+00	1.60E+01	4.96E+01	U
HA	54	674033001	06/25/2024	Sb-124	7.67E+00	4.49E+00	1.77E+01	U
HA	54	674033001	06/25/2024	Sb-125	2.81E+00	4.71E+00	1.64E+01	U
HA	54	674033001	06/25/2024	Se-75	5.47E-01	2.48E+00	7.90E+00	U
HA	54	674033001	06/25/2024	Th-228	-5.35E+00	4.41E+00	1.21E+01	U
HA	54	674033001	06/25/2024	Th-230	-9.04E-01	4.69E+00	1.45E+01	U
HA	54	674033001	06/25/2024	TL-208	-2.07E+00	2.41E+00	6.20E+00	U
HA	54	674033001	06/25/2024	Zn-65	-2.13E+00	5.15E+00	1.66E+01	U
HA	54	674033001	06/25/2024	Zr-95	1.66E+00	4.28E+00	1.43E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	54	697937002	11/20/2024	Ac-228	-7.92E+00	1.90E+01	5.74E+01	U
HA	54	697937002	11/20/2024	Ag-108m	5.00E+00	2.76E+00	8.87E+00	U
HA	54	697937002	11/20/2024	Ag-110m	-7.32E+00	4.68E+00	1.10E+01	U
HA	54	697937002	11/20/2024	Ba-140	3.86E+01	2.62E+01	8.83E+01	U
HA	54	697937002	11/20/2024	Be-7	-1.50E+01	3.25E+01	9.93E+01	U
HA	54	697937002	11/20/2024	Bi-214	1.28E+01	1.40E+01	2.34E+01	U
HA	54	697937002	11/20/2024	Ce-141	-7.82E+00	5.20E+00	1.35E+01	U
HA	54	697937002	11/20/2024	Ce-144	-5.60E+00	1.51E+01	4.62E+01	U
HA	54	697937002	11/20/2024	Co-57	2.43E+00	1.75E+00	5.67E+00	U
HA	54	697937002	11/20/2024	Co-58	-6.16E-03	3.89E+00	1.28E+01	U
HA	54	697937002	11/20/2024	Co-60	-1.61E+00	4.10E+00	1.30E+01	U
HA	54	697937002	11/20/2024	Cr-51	3.93E+01	3.25E+01	1.11E+02	U
HA	54	697937002	11/20/2024	Cs-134	3.86E+00	4.64E+00	1.61E+01	U
HA	54	697937002	11/20/2024	Cs-137	6.83E-02	3.77E+00	1.27E+01	U
HA	54	697937002	11/20/2024	Fe-59	-1.94E+00	8.15E+00	2.53E+01	U
HA	54	697937002	11/20/2024	I-131	1.50E+00	9.88E+00	3.25E+01	U
HA	54	697937002	11/20/2024	K-40	2.21E+03	1.82E+02	1.10E+02	
HA	54	697937002	11/20/2024	La-140	2.50E+00	1.07E+01	3.60E+01	U
HA	54	697937002	11/20/2024	Mn-54	1.81E+00	3.93E+00	1.34E+01	U
HA	54	697937002	11/20/2024	Nb-95	-1.49E+00	4.90E+00	1.58E+01	U
HA	54	697937002	11/20/2024	Pb-212	-6.98E+00	5.57E+00	1.73E+01	U
HA	54	697937002	11/20/2024	Pb-214	1.67E+00	1.04E+01	2.51E+01	U
HA	54	697937002	11/20/2024	Ra-226	1.67E+00	1.04E+01	2.51E+01	U
HA	54	697937002	11/20/2024	Ru-103	-2.68E+00	4.04E+00	1.20E+01	U
HA	54	697937002	11/20/2024	Ru-106	5.88E+01	3.60E+01	1.23E+02	U
HA	54	697937002	11/20/2024	Sb-124	-6.87E+00	9.28E+00	2.55E+01	U
HA	54	697937002	11/20/2024	Sb-125	-2.79E+00	8.27E+00	2.58E+01	U
HA	54	697937002	11/20/2024	Se-75	1.36E+00	3.47E+00	1.18E+01	U
HA	54	697937002	11/20/2024	Th-228	-6.98E+00	5.57E+00	1.73E+01	U
HA	54	697937002	11/20/2024	Th-230	1.67E+00	1.04E+01	2.51E+01	U
HA	54	697937002	11/20/2024	TL-208	2.40E+00	3.41E+00	1.20E+01	U
HA	54	697937002	11/20/2024	Zn-65	-1.24E+00	9.88E+00	2.70E+01	U
HA	54	697937002	11/20/2024	Zr-95	1.08E+01	7.84E+00	2.76E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	668979001	05/21/2024	Ac-228	-9.86E+00	1.19E+01	3.94E+01	U
MU	06	668979001	05/21/2024	Ag-108m	1.71E+00	1.96E+00	6.79E+00	U
MU	06	668979001	05/21/2024	Ag-110m	3.67E+00	3.44E+00	1.23E+01	U
MU	06	668979001	05/21/2024	Ba-140	8.92E+01	3.94E+01	1.34E+02	U
MU	06	668979001	05/21/2024	Be-7	4.43E+01	2.83E+01	9.73E+01	U
MU	06	668979001	05/21/2024	Bi-214	2.88E+00	6.76E+00	2.17E+01	U
MU	06	668979001	05/21/2024	Ce-141	-1.96E+01	7.50E+00	1.53E+01	U
MU	06	668979001	05/21/2024	Ce-144	-8.12E+00	1.26E+01	3.91E+01	U
MU	06	668979001	05/21/2024	Co-57	-3.43E-01	1.65E+00	5.36E+00	U
MU	06	668979001	05/21/2024	Co-58	-1.33E+00	3.30E+00	1.07E+01	U
MU	06	668979001	05/21/2024	Co-60	-3.03E+00	3.31E+00	9.19E+00	U
MU	06	668979001	05/21/2024	Cr-51	-2.51E+01	3.22E+01	1.02E+02	U
MU	06	668979001	05/21/2024	Cs-134	-3.79E-01	2.81E+00	9.39E+00	U
MU	06	668979001	05/21/2024	Cs-137	-1.64E+00	2.33E+00	6.76E+00	U
MU	06	668979001	05/21/2024	Fe-59	1.71E+01	1.44E+01	2.55E+01	U
MU	06	668979001	05/21/2024	I-131	5.31E+00	2.10E+01	7.18E+01	U
MU	06	668979001	05/21/2024	K-40	1.27E+03	1.19E+02	9.96E+01	
MU	06	668979001	05/21/2024	La-140	8.60E+00	1.47E+01	5.25E+01	U
MU	06	668979001	05/21/2024	Mn-54	-3.47E+00	2.63E+00	7.30E+00	U
MU	06	668979001	05/21/2024	Nb-95	3.67E+00	3.28E+00	1.17E+01	U
MU	06	668979001	05/21/2024	Pb-212	7.36E+00	7.31E+00	1.34E+01	U
MU	06	668979001	05/21/2024	Pb-214	1.17E+01	6.67E+00	2.15E+01	U
MU	06	668979001	05/21/2024	Ra-226	1.17E+01	6.67E+00	2.15E+01	U
MU	06	668979001	05/21/2024	Ru-103	-3.20E+00	3.72E+00	1.12E+01	U
MU	06	668979001	05/21/2024	Ru-106	7.61E+00	2.29E+01	7.56E+01	U
MU	06	668979001	05/21/2024	Sb-124	-1.97E+00	6.35E+00	1.99E+01	U
MU	06	668979001	05/21/2024	Sb-125	-6.90E+00	6.33E+00	1.86E+01	U
MU	06	668979001	05/21/2024	Se-75	-1.07E+00	3.58E+00	1.09E+01	U
MU	06	668979001	05/21/2024	Th-228	7.36E+00	7.31E+00	1.34E+01	U
MU	06	668979001	05/21/2024	Th-230	1.17E+01	6.67E+00	2.15E+01	U
MU	06	668979001	05/21/2024	TL-208	-5.39E-01	3.04E+00	9.48E+00	U
MU	06	668979001	05/21/2024	Zn-65	-5.03E+00	6.24E+00	1.83E+01	U
MU	06	668979001	05/21/2024	Zr-95	1.66E+00	6.08E+00	2.11E+01	U
MU	06	698103003	11/20/2024	Ac-228	1.58E+01	4.18E+01	1.41E+02	U
MU	06	698103003	11/20/2024	Ag-108m	-8.76E+00	6.69E+00	1.94E+01	U
MU	06	698103003	11/20/2024	Ag-110m	8.11E+00	9.23E+00	3.26E+01	U
MU	06	698103003	11/20/2024	Ba-140	4.44E+00	5.87E+01	1.98E+02	U
MU	06	698103003	11/20/2024	Be-7	2.30E+01	6.46E+01	2.24E+02	U
MU	06	698103003	11/20/2024	Bi-214	-3.33E+01	2.17E+01	6.49E+01	U
MU	06	698103003	11/20/2024	Ce-141	-4.02E+01	1.93E+01	4.62E+01	U
MU	06	698103003	11/20/2024	Ce-144	9.57E-01	4.29E+01	1.42E+02	U
MU	06	698103003	11/20/2024	Co-57	0.00E+00	9.14E+00	1.65E+01	U
MU	06	698103003	11/20/2024	Co-58	0.00E+00	1.30E+01	2.09E+01	U
MU	06	698103003	11/20/2024	Co-60	1.94E+01	9.84E+00	3.65E+01	U
MU	06	698103003	11/20/2024	Cr-51	2.53E+02	1.08E+02	2.64E+02	U
MU	06	698103003	11/20/2024	Cs-134	1.67E+01	1.18E+01	1.94E+01	U
MU	06	698103003	11/20/2024	Cs-137	2.01E-02	7.64E+00	2.52E+01	U
MU	06	698103003	11/20/2024	Fe-59	-1.33E+00	1.40E+01	4.69E+01	U
MU	06	698103003	11/20/2024	I-131	9.70E+00	2.56E+01	8.99E+01	U
MU	06	698103003	11/20/2024	K-40	9.92E+02	2.16E+02	2.38E+02	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	698103003	11/20/2024	La-140	1.98E-01	1.68E+01	5.53E+01	U
MU	06	698103003	11/20/2024	Mn-54	7.89E+00	6.68E+00	2.40E+01	U
MU	06	698103003	11/20/2024	Nb-95	-3.76E+00	8.09E+00	2.15E+01	U
MU	06	698103003	11/20/2024	Pb-212	-4.34E+01	1.79E+01	4.14E+01	U
MU	06	698103003	11/20/2024	Pb-214	-5.41E+01	2.45E+01	5.74E+01	U
MU	06	698103003	11/20/2024	Ra-226	-5.41E+01	2.45E+01	5.74E+01	U
MU	06	698103003	11/20/2024	Ru-103	4.83E+00	9.19E+00	3.19E+01	U
MU	06	698103003	11/20/2024	Ru-106	-5.86E+01	6.62E+01	1.95E+02	U
MU	06	698103003	11/20/2024	Sb-124	-1.50E+01	2.05E+01	5.68E+01	U
MU	06	698103003	11/20/2024	Sb-125	-4.42E+00	1.67E+01	5.56E+01	U
MU	06	698103003	11/20/2024	Se-75	-9.09E+00	1.06E+01	3.10E+01	U
MU	06	698103003	11/20/2024	Th-228	-4.34E+01	1.79E+01	4.14E+01	U
MU	06	698103003	11/20/2024	Th-230	-5.41E+01	2.45E+01	5.74E+01	U
MU	06	698103003	11/20/2024	TL-208	0.00E+00	1.78E+01	2.33E+01	U
MU	06	698103003	11/20/2024	Zn-65	-8.92E+00	1.40E+01	4.28E+01	U
MU	06	698103003	11/20/2024	Zr-95	-4.53E+00	1.46E+01	4.60E+01	U
MU	09	668981001	05/20/2024	Ac-228	2.04E+00	2.06E+01	4.12E+01	U
MU	09	668981001	05/20/2024	Ag-108m	1.50E-01	1.72E+00	5.74E+00	U
MU	09	668981001	05/20/2024	Ag-110m	-1.19E+00	3.06E+00	9.85E+00	U
MU	09	668981001	05/20/2024	Ba-140	-3.26E+01	3.38E+01	9.92E+01	U
MU	09	668981001	05/20/2024	Be-7	7.09E+01	3.12E+01	9.92E+01	U
MU	09	668981001	05/20/2024	Bi-214	-6.96E+00	5.49E+00	1.57E+01	U
MU	09	668981001	05/20/2024	Ce-141	-6.40E+00	6.37E+00	1.75E+01	U
MU	09	668981001	05/20/2024	Ce-144	5.06E+00	1.30E+01	4.33E+01	U
MU	09	668981001	05/20/2024	Co-57	-1.28E+00	1.55E+00	4.84E+00	U
MU	09	668981001	05/20/2024	Co-58	-2.92E+00	2.89E+00	8.73E+00	U
MU	09	668981001	05/20/2024	Co-60	2.08E-01	2.48E+00	8.04E+00	U
MU	09	668981001	05/20/2024	Cr-51	-4.90E+01	3.11E+01	8.95E+01	U
MU	09	668981001	05/20/2024	Cs-134	5.42E-01	2.17E+00	7.46E+00	U
MU	09	668981001	05/20/2024	Cs-137	1.76E+00	2.03E+00	6.83E+00	U
MU	09	668981001	05/20/2024	Fe-59	1.22E+01	7.45E+00	2.58E+01	U
MU	09	668981001	05/20/2024	I-131	-1.86E+01	2.36E+01	7.46E+01	U
MU	09	668981001	05/20/2024	K-40	1.49E+03	1.21E+02	7.53E+01	U
MU	09	668981001	05/20/2024	La-140	-2.53E+01	1.22E+01	2.11E+01	U
MU	09	668981001	05/20/2024	Mn-54	2.23E+00	2.29E+00	8.02E+00	U
MU	09	668981001	05/20/2024	Nb-95	-5.41E+00	2.84E+00	7.12E+00	U
MU	09	668981001	05/20/2024	Pb-212	0.00E+00	8.96E+00	1.53E+01	U
MU	09	668981001	05/20/2024	Pb-214	1.05E+01	8.58E+00	1.84E+01	U
MU	09	668981001	05/20/2024	Ra-226	1.05E+01	8.58E+00	1.84E+01	U
MU	09	668981001	05/20/2024	Ru-103	-9.00E-01	3.14E+00	1.01E+01	U
MU	09	668981001	05/20/2024	Ru-106	2.59E+01	2.09E+01	7.02E+01	U
MU	09	668981001	05/20/2024	Sb-124	6.62E+00	6.19E+00	2.28E+01	U
MU	09	668981001	05/20/2024	Sb-125	-2.32E+00	5.26E+00	1.69E+01	U
MU	09	668981001	05/20/2024	Se-75	-3.26E-01	3.30E+00	1.02E+01	U
MU	09	668981001	05/20/2024	Th-228	0.00E+00	8.96E+00	1.53E+01	U
MU	09	668981001	05/20/2024	Th-230	1.05E+01	8.58E+00	1.84E+01	U
MU	09	668981001	05/20/2024	TL-208	0.00E+00	4.34E+00	6.19E+00	U
MU	09	668981001	05/20/2024	Zn-65	-1.11E+01	6.56E+00	1.66E+01	U
MU	09	668981001	05/20/2024	Zr-95	3.23E+00	5.08E+00	1.78E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	09	697929001	11/19/2024	Ac-228	2.81E+01	1.56E+01	3.65E+01	U
MU	09	697929001	11/19/2024	Ag-108m	-2.40E+00	2.00E+00	5.03E+00	U
MU	09	697929001	11/19/2024	Ag-110m	-2.03E+00	2.88E+00	8.92E+00	U
MU	09	697929001	11/19/2024	Ba-140	-1.59E+01	1.51E+01	4.30E+01	U
MU	09	697929001	11/19/2024	Be-7	1.73E+01	1.97E+01	6.70E+01	U
MU	09	697929001	11/19/2024	Bi-214	0.00E+00	1.31E+01	1.86E+01	U
MU	09	697929001	11/19/2024	Ce-141	-8.96E+00	4.59E+00	1.11E+01	U
MU	09	697929001	11/19/2024	Ce-144	-5.08E+00	1.11E+01	3.45E+01	U
MU	09	697929001	11/19/2024	Co-57	-9.54E-01	1.43E+00	4.41E+00	U
MU	09	697929001	11/19/2024	Co-58	7.45E-01	2.05E+00	7.13E+00	U
MU	09	697929001	11/19/2024	Co-60	-5.71E-02	2.67E+00	8.63E+00	U
MU	09	697929001	11/19/2024	Cr-51	1.21E+01	2.01E+01	6.94E+01	U
MU	09	697929001	11/19/2024	Cs-134	8.51E-01	2.35E+00	8.13E+00	U
MU	09	697929001	11/19/2024	Cs-137	-1.66E-02	2.28E+00	7.27E+00	U
MU	09	697929001	11/19/2024	Fe-59	-1.44E+00	5.08E+00	1.62E+01	U
MU	09	697929001	11/19/2024	I-131	4.76E+00	6.11E+00	2.11E+01	U
MU	09	697929001	11/19/2024	K-40	1.56E+03	1.28E+02	7.65E+01	
MU	09	697929001	11/19/2024	La-140	3.30E+00	5.15E+00	1.85E+01	U
MU	09	697929001	11/19/2024	Mn-54	3.19E+00	1.89E+00	7.55E+00	U
MU	09	697929001	11/19/2024	Nb-95	2.27E+00	2.75E+00	8.80E+00	U
MU	09	697929001	11/19/2024	Pb-212	0.00E+00	5.65E+00	1.13E+01	U
MU	09	697929001	11/19/2024	Pb-214	0.00E+00	8.52E+00	1.74E+01	U
MU	09	697929001	11/19/2024	Ra-226	0.00E+00	8.52E+00	1.74E+01	U
MU	09	697929001	11/19/2024	Ru-103	3.73E+00	2.23E+00	7.64E+00	U
MU	09	697929001	11/19/2024	Ru-106	-1.14E+01	1.95E+01	5.92E+01	U
MU	09	697929001	11/19/2024	Sb-124	-1.29E+00	5.66E+00	1.84E+01	U
MU	09	697929001	11/19/2024	Sb-125	9.52E+00	5.58E+00	1.89E+01	U
MU	09	697929001	11/19/2024	Se-75	4.17E-01	2.50E+00	8.58E+00	U
MU	09	697929001	11/19/2024	Th-228	0.00E+00	5.65E+00	1.13E+01	U
MU	09	697929001	11/19/2024	Th-230	0.00E+00	8.52E+00	1.74E+01	U
MU	09	697929001	11/19/2024	TL-208	1.61E+00	4.97E+00	6.60E+00	U
MU	09	697929001	11/19/2024	Zn-65	-9.85E+00	5.63E+00	1.37E+01	U
MU	09	697929001	11/19/2024	Zr-95	-8.18E+00	3.67E+00	7.52E+00	U
MU	56	668979002	05/21/2024	Ac-228	1.09E+01	1.05E+01	3.40E+01	U
MU	56	668979002	05/21/2024	Ag-108m	-2.28E+00	1.76E+00	5.04E+00	U
MU	56	668979002	05/21/2024	Ag-110m	-1.74E+00	2.87E+00	9.09E+00	U
MU	56	668979002	05/21/2024	Ba-140	-1.44E+01	3.23E+01	1.02E+02	U
MU	56	668979002	05/21/2024	Be-7	3.84E+01	2.41E+01	8.25E+01	U
MU	56	668979002	05/21/2024	Bi-214	-5.17E+00	5.19E+00	1.20E+01	U
MU	56	668979002	05/21/2024	Ce-141	5.84E+00	7.77E+00	1.52E+01	U
MU	56	668979002	05/21/2024	Ce-144	9.92E+00	1.07E+01	3.53E+01	U
MU	56	668979002	05/21/2024	Co-57	-1.53E+00	1.59E+00	4.76E+00	U
MU	56	668979002	05/21/2024	Co-58	7.90E-01	2.71E+00	8.84E+00	U
MU	56	668979002	05/21/2024	Co-60	2.53E+00	2.65E+00	9.36E+00	U
MU	56	668979002	05/21/2024	Cr-51	1.55E+01	2.62E+01	9.10E+01	U
MU	56	668979002	05/21/2024	Cs-134	-6.20E-02	2.41E+00	7.65E+00	U
MU	56	668979002	05/21/2024	Cs-137	1.57E+00	1.53E+00	5.07E+00	U
MU	56	668979002	05/21/2024	Fe-59	3.30E+00	5.83E+00	2.04E+01	U
MU	56	668979002	05/21/2024	I-131	3.39E+01	2.14E+01	7.39E+01	U
MU	56	668979002	05/21/2024	K-40	1.52E+03	1.21E+02	5.38E+01	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	56	668979002	05/21/2024	La-140	7.33E+00	1.10E+01	3.87E+01	U
MU	56	668979002	05/21/2024	Mn-54	2.64E+00	1.92E+00	6.36E+00	U
MU	56	668979002	05/21/2024	Nb-95	2.27E+00	2.59E+00	8.82E+00	U
MU	56	668979002	05/21/2024	Pb-212	2.45E+00	6.38E+00	1.68E+01	U
MU	56	668979002	05/21/2024	Pb-214	-8.99E+00	4.77E+00	1.23E+01	U
MU	56	668979002	05/21/2024	Ra-226	-8.99E+00	4.77E+00	1.23E+01	U
MU	56	668979002	05/21/2024	Ru-103	-4.06E-01	2.96E+00	9.64E+00	U
MU	56	668979002	05/21/2024	Ru-106	3.55E+01	2.30E+01	7.77E+01	U
MU	56	668979002	05/21/2024	Sb-124	3.54E+00	5.01E+00	1.82E+01	U
MU	56	668979002	05/21/2024	Sb-125	1.40E+00	5.08E+00	1.55E+01	U
MU	56	668979002	05/21/2024	Se-75	4.93E+00	2.96E+00	1.01E+01	U
MU	56	668979002	05/21/2024	Th-228	2.45E+00	6.38E+00	1.68E+01	U
MU	56	668979002	05/21/2024	Th-230	-8.99E+00	4.77E+00	1.23E+01	U
MU	56	668979002	05/21/2024	TL-208	-2.60E+00	2.72E+00	8.40E+00	U
MU	56	668979002	05/21/2024	Zn-65	-9.66E-02	5.27E+00	1.75E+01	U
MU	56	668979002	05/21/2024	Zr-95	5.84E+00	4.82E+00	1.61E+01	U
MU	56	698625001	12/02/2024	Ac-228	-1.89E+01	1.08E+01	2.93E+01	U
MU	56	698625001	12/02/2024	Ag-108m	0.00E+00	2.20E+00	5.75E+00	U
MU	56	698625001	12/02/2024	Ag-110m	-1.87E+00	2.65E+00	8.18E+00	U
MU	56	698625001	12/02/2024	Ba-140	1.77E+01	1.16E+01	3.93E+01	U
MU	56	698625001	12/02/2024	Be-7	4.62E+01	2.17E+01	7.08E+01	U
MU	56	698625001	12/02/2024	Bi-214	8.10E-01	6.45E+00	1.64E+01	U
MU	56	698625001	12/02/2024	Ce-141	-2.39E+00	3.78E+00	1.07E+01	U
MU	56	698625001	12/02/2024	Ce-144	6.14E+00	1.20E+01	3.93E+01	U
MU	56	698625001	12/02/2024	Co-57	2.22E-01	1.50E+00	4.87E+00	U
MU	56	698625001	12/02/2024	Co-58	-1.43E+00	2.09E+00	6.58E+00	U
MU	56	698625001	12/02/2024	Co-60	-2.80E+00	2.43E+00	6.36E+00	U
MU	56	698625001	12/02/2024	Cr-51	-1.21E+01	1.78E+01	5.70E+01	U
MU	56	698625001	12/02/2024	Cs-134	9.25E-02	1.88E+00	6.41E+00	U
MU	56	698625001	12/02/2024	Cs-137	2.29E+00	2.22E+00	7.50E+00	U
MU	56	698625001	12/02/2024	Fe-59	-4.11E+00	5.02E+00	1.49E+01	U
MU	56	698625001	12/02/2024	I-131	-2.64E+00	3.53E+00	1.11E+01	U
MU	56	698625001	12/02/2024	K-40	1.37E+03	1.18E+02	7.89E+01	
MU	56	698625001	12/02/2024	La-140	-2.81E+00	3.85E+00	1.16E+01	U
MU	56	698625001	12/02/2024	Mn-54	-2.84E-01	2.10E+00	6.99E+00	U
MU	56	698625001	12/02/2024	Nb-95	1.31E+00	2.32E+00	7.31E+00	U
MU	56	698625001	12/02/2024	Pb-212	4.29E+00	5.96E+00	1.41E+01	U
MU	56	698625001	12/02/2024	Pb-214	-7.95E+00	5.03E+00	1.44E+01	U
MU	56	698625001	12/02/2024	Ra-226	-7.95E+00	5.03E+00	1.44E+01	U
MU	56	698625001	12/02/2024	Ru-103	-5.88E-01	2.03E+00	6.48E+00	U
MU	56	698625001	12/02/2024	Ru-106	3.05E+01	1.66E+01	5.47E+01	U
MU	56	698625001	12/02/2024	Sb-124	1.75E+00	3.76E+00	1.36E+01	U
MU	56	698625001	12/02/2024	Sb-125	5.53E+00	5.49E+00	1.88E+01	U
MU	56	698625001	12/02/2024	Se-75	8.17E-01	2.52E+00	8.70E+00	U
MU	56	698625001	12/02/2024	Th-228	4.29E+00	5.96E+00	1.41E+01	U
MU	56	698625001	12/02/2024	Th-230	-7.95E+00	5.03E+00	1.44E+01	U
MU	56	698625001	12/02/2024	TL-208	4.33E+00	2.84E+00	9.13E+00	U
MU	56	698625001	12/02/2024	Zn-65	-2.87E+00	5.21E+00	1.61E+01	U
MU	56	698625001	12/02/2024	Zr-95	-3.22E+00	4.25E+00	1.35E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	668981002	05/21/2024	Ac-228	-2.11E+01	1.17E+01	3.04E+01	U
MU	59	668981002	05/21/2024	Ag-108m	2.10E+00	2.22E+00	6.92E+00	U
MU	59	668981002	05/21/2024	Ag-110m	-1.90E+00	3.02E+00	8.94E+00	U
MU	59	668981002	05/21/2024	Ba-140	2.14E-01	3.32E+01	1.10E+02	U
MU	59	668981002	05/21/2024	Be-7	0.00E+00	5.42E+01	7.16E+01	U
MU	59	668981002	05/21/2024	Bi-214	-3.67E+00	4.97E+00	1.51E+01	U
MU	59	668981002	05/21/2024	Ce-141	1.98E+00	4.91E+00	1.61E+01	U
MU	59	668981002	05/21/2024	Ce-144	-2.58E+01	1.34E+01	3.49E+01	U
MU	59	668981002	05/21/2024	Co-57	-2.42E+00	1.68E+00	4.80E+00	U
MU	59	668981002	05/21/2024	Co-58	7.08E+00	3.34E+00	1.12E+01	U
MU	59	668981002	05/21/2024	Co-60	-1.73E+00	2.13E+00	6.26E+00	U
MU	59	668981002	05/21/2024	Cr-51	-1.41E+01	2.91E+01	9.67E+01	U
MU	59	668981002	05/21/2024	Cs-134	5.68E+00	2.97E+00	9.99E+00	U
MU	59	668981002	05/21/2024	Cs-137	2.50E+00	2.23E+00	7.69E+00	U
MU	59	668981002	05/21/2024	Fe-59	6.52E+00	6.88E+00	2.45E+01	U
MU	59	668981002	05/21/2024	I-131	-1.12E+01	2.54E+01	8.41E+01	U
MU	59	668981002	05/21/2024	K-40	1.50E+03	1.23E+02	6.54E+01	
MU	59	668981002	05/21/2024	La-140	-1.27E+01	1.34E+01	3.77E+01	U
MU	59	668981002	05/21/2024	Mn-54	4.53E+00	2.42E+00	7.87E+00	U
MU	59	668981002	05/21/2024	Nb-95	3.61E-02	2.88E+00	9.37E+00	U
MU	59	668981002	05/21/2024	Pb-212	-4.42E+00	4.70E+00	1.30E+01	U
MU	59	668981002	05/21/2024	Pb-214	5.17E+00	5.00E+00	1.74E+01	U
MU	59	668981002	05/21/2024	Ra-226	5.17E+00	5.00E+00	1.74E+01	U
MU	59	668981002	05/21/2024	Ru-103	2.42E+00	2.97E+00	1.03E+01	U
MU	59	668981002	05/21/2024	Ru-106	-1.64E+01	1.93E+01	5.81E+01	U
MU	59	668981002	05/21/2024	Sb-124	-5.79E+00	6.38E+00	1.73E+01	U
MU	59	668981002	05/21/2024	Sb-125	-4.28E+00	5.22E+00	1.64E+01	U
MU	59	668981002	05/21/2024	Se-75	-2.86E+00	3.07E+00	8.84E+00	U
MU	59	668981002	05/21/2024	Th-228	-4.42E+00	4.70E+00	1.30E+01	U
MU	59	668981002	05/21/2024	Th-230	5.17E+00	5.00E+00	1.74E+01	U
MU	59	668981002	05/21/2024	TL-208	0.00E+00	2.91E+00	5.48E+00	U
MU	59	668981002	05/21/2024	Zn-65	6.07E+00	5.05E+00	1.74E+01	U
MU	59	668981002	05/21/2024	Zr-95	1.71E+00	4.65E+00	1.56E+01	U
MU	59	697929002	11/19/2024	Ac-228	-2.84E+00	1.19E+01	3.62E+01	U
MU	59	697929002	11/19/2024	Ag-108m	1.46E+00	1.85E+00	6.44E+00	U
MU	59	697929002	11/19/2024	Ag-110m	-5.01E-01	2.48E+00	7.66E+00	U
MU	59	697929002	11/19/2024	Ba-140	1.75E+01	1.81E+01	6.24E+01	U
MU	59	697929002	11/19/2024	Be-7	2.70E+01	2.15E+01	7.46E+01	U
MU	59	697929002	11/19/2024	Bi-214	5.42E+00	5.99E+00	1.69E+01	U
MU	59	697929002	11/19/2024	Ce-141	1.25E+00	6.18E+00	1.35E+01	U
MU	59	697929002	11/19/2024	Ce-144	-1.96E+00	1.26E+01	4.06E+01	U
MU	59	697929002	11/19/2024	Co-57	-4.06E-01	1.66E+00	5.34E+00	U
MU	59	697929002	11/19/2024	Co-58	-7.43E-01	2.68E+00	8.36E+00	U
MU	59	697929002	11/19/2024	Co-60	-3.43E+00	2.92E+00	8.52E+00	U
MU	59	697929002	11/19/2024	Cr-51	-5.43E+00	2.01E+01	6.74E+01	U
MU	59	697929002	11/19/2024	Cs-134	-1.70E-01	2.71E+00	8.67E+00	U
MU	59	697929002	11/19/2024	Cs-137	3.71E+00	2.12E+00	7.49E+00	U
MU	59	697929002	11/19/2024	Fe-59	-2.90E+00	5.73E+00	1.82E+01	U
MU	59	697929002	11/19/2024	I-131	1.42E+00	6.97E+00	2.39E+01	U
MU	59	697929002	11/19/2024	K-40	1.77E+03	1.45E+02	6.45E+01	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	697929002	11/19/2024	La-140	8.78E+00	5.57E+00	2.12E+01	U
MU	59	697929002	11/19/2024	Mn-54	-1.34E+00	2.32E+00	6.93E+00	U
MU	59	697929002	11/19/2024	Nb-95	4.82E+00	2.82E+00	9.69E+00	U
MU	59	697929002	11/19/2024	Pb-212	3.67E+00	7.02E+00	1.71E+01	U
MU	59	697929002	11/19/2024	Pb-214	1.07E-01	5.08E+00	1.63E+01	U
MU	59	697929002	11/19/2024	Ra-226	1.07E-01	5.08E+00	1.63E+01	U
MU	59	697929002	11/19/2024	Ru-103	-2.00E-01	2.40E+00	7.94E+00	U
MU	59	697929002	11/19/2024	Ru-106	2.90E+01	5.50E+01	6.20E+01	U
MU	59	697929002	11/19/2024	Sb-124	3.15E+00	6.49E+00	2.24E+01	U
MU	59	697929002	11/19/2024	Sb-125	-4.75E+00	6.09E+00	1.91E+01	U
MU	59	697929002	11/19/2024	Se-75	-1.87E+00	3.10E+00	9.20E+00	U
MU	59	697929002	11/19/2024	Th-228	3.67E+00	7.02E+00	1.71E+01	U
MU	59	697929002	11/19/2024	Th-230	1.07E-01	5.08E+00	1.63E+01	U
MU	59	697929002	11/19/2024	TL-208	-4.59E-01	2.81E+00	9.19E+00	U
MU	59	697929002	11/19/2024	Zn-65	-1.37E+00	5.46E+00	1.79E+01	U
MU	59	697929002	11/19/2024	Zr-95	-4.69E+00	4.76E+00	1.34E+01	U
MS	06	668979004	05/21/2024	Sr-89	1.98E+01	9.42E+01	1.76E+02	U
MS	06	668979004	05/21/2024	Sr-90	-9.77E+01	4.66E+01	1.71E+02	U
MS	06	698103001	11/20/2024	Sr-89	-2.18E+00	4.47E+01	1.22E+02	U
MS	06	698103001	11/20/2024	Sr-90	-3.76E+01	3.16E+01	1.06E+02	U
MS	06	698103003	11/20/2024	Sr-89	5.16E+01	8.18E+01	1.62E+02	U
MS	06	698103003	11/20/2024	Sr-90	-6.51E+01	5.29E+01	1.91E+02	U
MS	56	668979005	05/21/2024	Sr-89	1.98E+01	1.04E+02	2.17E+02	U
MS	56	668979005	05/21/2024	Sr-90	4.74E+01	4.55E+01	1.40E+02	U
MS	56	698625002	12/02/2024	Sr-89	-1.88E+01	3.09E+01	9.81E+01	U
MS	56	698625002	12/02/2024	Sr-90	-1.11E+01	1.66E+01	5.57E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	668982001	05/21/2024	Ac-228	1.52E+03	2.06E+02	2.04E+02	
SE	02	668982001	05/21/2024	Ag-108m	1.51E+01	1.39E+01	5.10E+01	U
SE	02	668982001	05/21/2024	Ag-110m	-2.12E+00	2.77E+01	9.66E+01	U
SE	02	668982001	05/21/2024	Ba-140	6.75E+01	2.64E+02	9.26E+02	U
SE	02	668982001	05/21/2024	Be-7	-1.57E+02	1.88E+02	6.03E+02	U
SE	02	668982001	05/21/2024	Bi-214	8.73E+02	1.05E+02	1.35E+02	
SE	02	668982001	05/21/2024	Ce-141	-1.55E+01	4.01E+01	1.26E+02	U
SE	02	668982001	05/21/2024	Ce-144	-1.10E+01	1.09E+02	3.52E+02	U
SE	02	668982001	05/21/2024	Co-57	-1.75E+01	1.28E+01	4.03E+01	U
SE	02	668982001	05/21/2024	Co-58	-9.16E+00	2.09E+01	6.51E+01	U
SE	02	668982001	05/21/2024	Co-60	-2.24E+00	1.99E+01	6.57E+01	U
SE	02	668982001	05/21/2024	Cr-51	3.27E+02	2.68E+02	9.90E+02	U
SE	02	668982001	05/21/2024	Cs-134	3.69E+01	3.20E+01	8.73E+01	U
SE	02	668982001	05/21/2024	Cs-137	1.42E+01	1.77E+01	6.28E+01	U
SE	02	668982001	05/21/2024	Fe-59	1.28E+02	5.62E+01	2.04E+02	U
SE	02	668982001	05/21/2024	I-131	-2.45E+02	2.20E+02	6.26E+02	U
SE	02	668982001	05/21/2024	K-40	1.50E+04	1.11E+03	3.95E+02	
SE	02	668982001	05/21/2024	La-140	4.24E+01	9.31E+01	3.23E+02	U
SE	02	668982001	05/21/2024	Mn-54	-5.74E-01	1.80E+01	5.87E+01	U
SE	02	668982001	05/21/2024	Nb-95	2.82E+01	2.35E+01	8.34E+01	U
SE	02	668982001	05/21/2024	Pb-212	1.38E+03	1.01E+02	9.31E+01	
SE	02	668982001	05/21/2024	Pb-214	1.20E+03	1.19E+02	1.22E+02	
SE	02	668982001	05/21/2024	Ra-226	1.20E+03	1.19E+02	1.22E+02	
SE	02	668982001	05/21/2024	Ru-103	-1.78E+00	2.51E+01	7.75E+01	U
SE	02	668982001	05/21/2024	Ru-106	1.60E+02	1.68E+02	5.99E+02	U
SE	02	668982001	05/21/2024	Sb-124	6.71E+01	5.04E+01	1.92E+02	U
SE	02	668982001	05/21/2024	Sb-125	4.28E+01	4.04E+01	1.49E+02	U
SE	02	668982001	05/21/2024	Se-75	1.24E+01	2.56E+01	8.72E+01	U
SE	02	668982001	05/21/2024	Th-228	1.38E+03	1.01E+02	9.31E+01	
SE	02	668982001	05/21/2024	Th-230	1.20E+03	1.19E+02	1.22E+02	
SE	02	668982001	05/21/2024	TL-208	4.22E+02	5.34E+01	5.01E+01	
SE	02	668982001	05/21/2024	Zn-65	3.74E+01	5.15E+01	1.66E+02	U
SE	02	668982001	05/21/2024	Zr-95	1.24E+01	4.74E+01	1.60E+02	U
SE	02	697926001	11/20/2024	Ac-228	1.55E+03	1.75E+02	1.94E+02	
SE	02	697926001	11/20/2024	Ag-108m	7.93E+00	1.20E+01	4.18E+01	U
SE	02	697926001	11/20/2024	Ag-110m	-6.27E+00	2.18E+01	7.15E+01	U
SE	02	697926001	11/20/2024	Ba-140	6.81E+01	3.47E+02	1.16E+03	U
SE	02	697926001	11/20/2024	Be-7	-1.89E+02	1.80E+02	5.48E+02	U
SE	02	697926001	11/20/2024	Bi-214	1.13E+03	9.76E+01	9.15E+01	
SE	02	697926001	11/20/2024	Ce-141	-3.76E+01	3.84E+01	1.12E+02	U
SE	02	697926001	11/20/2024	Ce-144	-1.79E+02	8.72E+01	2.41E+02	U
SE	02	697926001	11/20/2024	Co-57	4.53E+00	9.18E+00	3.20E+01	U
SE	02	697926001	11/20/2024	Co-58	-1.10E+01	2.12E+01	6.92E+01	U
SE	02	697926001	11/20/2024	Co-60	8.69E-01	1.59E+01	5.42E+01	U
SE	02	697926001	11/20/2024	Cr-51	1.31E+02	2.38E+02	8.45E+02	U
SE	02	697926001	11/20/2024	Cs-134	0.00E+00	3.71E+01	8.10E+01	U
SE	02	697926001	11/20/2024	Cs-137	8.09E+00	1.72E+01	6.10E+01	U
SE	02	697926001	11/20/2024	Fe-59	-5.51E+01	6.15E+01	1.84E+02	U
SE	02	697926001	11/20/2024	I-131	4.73E+01	2.16E+02	7.51E+02	U
SE	02	697926001	11/20/2024	K-40	1.45E+04	1.01E+03	5.26E+02	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	697926001	11/20/2024	La-140	1.41E+01	1.01E+02	2.98E+02	U
SE	02	697926001	11/20/2024	Mn-54	4.24E+01	2.45E+01	6.19E+01	U
SE	02	697926001	11/20/2024	Nb-95	3.60E+01	2.64E+01	8.40E+01	U
SE	02	697926001	11/20/2024	Pb-212	1.58E+03	1.03E+02	7.01E+01	
SE	02	697926001	11/20/2024	Pb-214	1.25E+03	1.06E+02	1.15E+02	
SE	02	697926001	11/20/2024	Ra-226	1.25E+03	1.06E+02	1.15E+02	
SE	02	697926001	11/20/2024	Ru-103	1.44E+01	2.31E+01	7.93E+01	U
SE	02	697926001	11/20/2024	Ru-106	-5.34E+01	1.51E+02	5.18E+02	U
SE	02	697926001	11/20/2024	Sb-124	-1.27E+02	5.80E+01	9.86E+01	U
SE	02	697926001	11/20/2024	Sb-125	3.14E+01	4.09E+01	1.42E+02	U
SE	02	697926001	11/20/2024	Se-75	4.91E+00	1.92E+01	6.58E+01	U
SE	02	697926001	11/20/2024	Th-228	1.58E+03	1.03E+02	7.01E+01	
SE	02	697926001	11/20/2024	Th-230	1.25E+03	1.06E+02	1.15E+02	
SE	02	697926001	11/20/2024	TL-208	4.26E+02	5.07E+01	5.44E+01	
SE	02	697926001	11/20/2024	Zn-65	3.21E+01	4.96E+01	1.50E+02	U
SE	02	697926001	11/20/2024	Zr-95	-1.46E+01	3.77E+01	1.26E+02	U
SE	07	668987001	05/20/2024	Ac-228	0.00E+00	1.39E+02	3.10E+02	U
SE	07	668987001	05/20/2024	Ag-108m	8.32E+00	1.02E+01	3.68E+01	U
SE	07	668987001	05/20/2024	Ag-110m	-1.44E+01	1.71E+01	5.14E+01	U
SE	07	668987001	05/20/2024	Ba-140	-1.84E+02	1.81E+02	5.67E+02	U
SE	07	668987001	05/20/2024	Be-7	-2.17E+02	1.36E+02	3.94E+02	U
SE	07	668987001	05/20/2024	Bi-214	2.42E+02	5.38E+01	8.96E+01	
SE	07	668987001	05/20/2024	Ce-141	-3.35E+01	3.42E+01	1.13E+02	U
SE	07	668987001	05/20/2024	Ce-144	-1.19E+02	8.70E+01	2.78E+02	U
SE	07	668987001	05/20/2024	Co-57	4.55E+00	1.02E+01	3.71E+01	U
SE	07	668987001	05/20/2024	Co-58	1.95E+01	1.54E+01	5.40E+01	U
SE	07	668987001	05/20/2024	Co-60	3.35E+00	1.16E+01	4.02E+01	U
SE	07	668987001	05/20/2024	Cr-51	6.86E+01	1.63E+02	5.99E+02	U
SE	07	668987001	05/20/2024	Cs-134	-1.53E-02	1.41E+01	4.73E+01	U
SE	07	668987001	05/20/2024	Cs-137	-8.59E-01	1.21E+01	4.10E+01	U
SE	07	668987001	05/20/2024	Fe-59	-1.45E+01	3.88E+01	1.30E+02	U
SE	07	668987001	05/20/2024	I-131	-2.39E+01	1.32E+02	4.67E+02	U
SE	07	668987001	05/20/2024	K-40	1.49E+04	9.94E+02	3.62E+02	
SE	07	668987001	05/20/2024	La-140	-1.07E+02	5.90E+01	1.22E+02	U
SE	07	668987001	05/20/2024	Mn-54	8.95E+00	1.36E+01	4.70E+01	U
SE	07	668987001	05/20/2024	Nb-95	-3.16E+01	1.69E+01	4.28E+01	U
SE	07	668987001	05/20/2024	Pb-212	4.35E+02	5.90E+01	7.88E+01	
SE	07	668987001	05/20/2024	Pb-214	2.91E+02	6.21E+01	9.81E+01	
SE	07	668987001	05/20/2024	Ra-226	2.91E+02	6.21E+01	9.81E+01	
SE	07	668987001	05/20/2024	Ru-103	-9.80E+00	1.72E+01	5.74E+01	U
SE	07	668987001	05/20/2024	Ru-106	1.55E+00	1.08E+02	3.71E+02	U
SE	07	668987001	05/20/2024	Sb-124	-2.49E+01	2.89E+01	7.99E+01	U
SE	07	668987001	05/20/2024	Sb-125	-1.80E+01	2.91E+01	9.79E+01	U
SE	07	668987001	05/20/2024	Se-75	1.44E+00	1.94E+01	6.63E+01	U
SE	07	668987001	05/20/2024	Th-228	4.35E+02	5.90E+01	7.88E+01	
SE	07	668987001	05/20/2024	Th-230	2.91E+02	6.21E+01	9.81E+01	
SE	07	668987001	05/20/2024	TL-208	1.24E+02	2.80E+01	3.16E+01	
SE	07	668987001	05/20/2024	Zn-65	-4.68E+01	3.08E+01	8.67E+01	U
SE	07	668987001	05/20/2024	Zr-95	3.72E+01	2.58E+01	9.16E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	07	697941001	11/19/2024	Ac-228	0.00E+00	9.75E+01	2.11E+02	U
SE	07	697941001	11/19/2024	Ag-108m	-9.08E+00	6.62E+00	2.04E+01	U
SE	07	697941001	11/19/2024	Ag-110m	-1.80E+01	1.42E+01	3.93E+01	U
SE	07	697941001	11/19/2024	Ba-140	1.92E+02	1.90E+02	6.81E+02	U
SE	07	697941001	11/19/2024	Be-7	2.13E+02	1.88E+02	3.24E+02	U
SE	07	697941001	11/19/2024	Bi-214	2.45E+02	4.79E+01	5.02E+01	
SE	07	697941001	11/19/2024	Ce-141	7.24E+01	5.32E+01	7.39E+01	U
SE	07	697941001	11/19/2024	Ce-144	4.78E+01	4.90E+01	1.77E+02	U
SE	07	697941001	11/19/2024	Co-57	-6.40E+00	6.07E+00	2.03E+01	U
SE	07	697941001	11/19/2024	Co-58	-7.70E+00	1.11E+01	3.42E+01	U
SE	07	697941001	11/19/2024	Co-60	9.94E+00	1.04E+01	3.73E+01	U
SE	07	697941001	11/19/2024	Cr-51	9.99E+00	1.11E+02	4.10E+02	U
SE	07	697941001	11/19/2024	Cs-134	1.20E+01	1.07E+01	3.72E+01	U
SE	07	697941001	11/19/2024	Cs-137	-1.42E+00	8.62E+00	2.90E+01	U
SE	07	697941001	11/19/2024	Fe-59	1.09E+01	3.56E+01	1.12E+02	U
SE	07	697941001	11/19/2024	I-131	-1.07E+02	1.30E+02	4.43E+02	U
SE	07	697941001	11/19/2024	K-40	1.67E+04	1.20E+03	2.86E+02	
SE	07	697941001	11/19/2024	La-140	2.92E+01	5.92E+01	2.06E+02	U
SE	07	697941001	11/19/2024	Mn-54	2.44E+01	1.19E+01	3.97E+01	U
SE	07	697941001	11/19/2024	Nb-95	-2.58E+01	1.40E+01	3.56E+01	U
SE	07	697941001	11/19/2024	Pb-212	2.81E+02	5.08E+01	5.16E+01	
SE	07	697941001	11/19/2024	Pb-214	3.36E+02	4.53E+01	5.43E+01	
SE	07	697941001	11/19/2024	Ra-226	3.36E+02	4.53E+01	5.43E+01	
SE	07	697941001	11/19/2024	Ru-103	-8.76E+00	1.33E+01	3.90E+01	U
SE	07	697941001	11/19/2024	Ru-106	9.71E+01	7.99E+01	2.84E+02	U
SE	07	697941001	11/19/2024	Sb-124	5.07E+00	2.37E+01	8.01E+01	U
SE	07	697941001	11/19/2024	Sb-125	-5.70E+00	2.04E+01	7.14E+01	U
SE	07	697941001	11/19/2024	Se-75	-4.65E+00	1.20E+01	3.94E+01	U
SE	07	697941001	11/19/2024	Th-228	2.81E+02	5.08E+01	5.16E+01	
SE	07	697941001	11/19/2024	Th-230	3.36E+02	4.53E+01	5.43E+01	
SE	07	697941001	11/19/2024	TL-208	1.10E+02	2.05E+01	2.63E+01	
SE	07	697941001	11/19/2024	Zn-65	-2.98E+01	2.59E+01	7.92E+01	U
SE	07	697941001	11/19/2024	Zr-95	2.20E+01	2.09E+01	7.36E+01	U
SE	08	668987002	05/20/2024	Ac-228	4.06E+02	1.99E+02	4.48E+02	U
SE	08	668987002	05/20/2024	Ag-108m	-1.58E+01	1.26E+01	3.60E+01	U
SE	08	668987002	05/20/2024	Ag-110m	3.06E+01	2.84E+01	1.04E+02	U
SE	08	668987002	05/20/2024	Ba-140	2.42E+02	2.43E+02	8.84E+02	U
SE	08	668987002	05/20/2024	Be-7	-3.20E+02	2.04E+02	5.47E+02	U
SE	08	668987002	05/20/2024	Bi-214	3.10E+02	7.55E+01	1.21E+02	
SE	08	668987002	05/20/2024	Ce-141	2.11E+01	3.65E+01	1.32E+02	U
SE	08	668987002	05/20/2024	Ce-144	4.46E+02	1.75E+02	2.45E+02	UI
SE	08	668987002	05/20/2024	Co-57	7.09E+00	1.09E+01	4.04E+01	U
SE	08	668987002	05/20/2024	Co-58	-3.44E+01	2.10E+01	5.13E+01	U
SE	08	668987002	05/20/2024	Co-60	-3.34E+00	1.98E+01	6.56E+01	U
SE	08	668987002	05/20/2024	Cr-51	-8.49E+00	2.33E+02	8.33E+02	U
SE	08	668987002	05/20/2024	Cs-134	2.90E+00	2.00E+01	6.98E+01	U
SE	08	668987002	05/20/2024	Cs-137	-1.85E+01	2.12E+01	6.17E+01	U
SE	08	668987002	05/20/2024	Fe-59	-7.67E+01	7.14E+01	2.00E+02	U
SE	08	668987002	05/20/2024	I-131	0.00E+00	4.12E+02	5.70E+02	U
SE	08	668987002	05/20/2024	K-40	2.38E+04	1.70E+03	7.95E+02	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	08	668987002	05/20/2024	La-140	-5.79E+01	8.40E+01	2.34E+02	U
SE	08	668987002	05/20/2024	Mn-54	-2.30E+01	2.20E+01	6.55E+01	U
SE	08	668987002	05/20/2024	Nb-95	-8.57E+00	2.56E+01	8.57E+01	U
SE	08	668987002	05/20/2024	Pb-212	3.23E+02	6.89E+01	9.71E+01	
SE	08	668987002	05/20/2024	Pb-214	4.97E+02	7.49E+01	1.09E+02	
SE	08	668987002	05/20/2024	Ra-226	4.97E+02	7.49E+01	1.09E+02	
SE	08	668987002	05/20/2024	Ru-103	6.02E+00	2.33E+01	8.09E+01	U
SE	08	668987002	05/20/2024	Ru-106	5.30E+01	1.39E+02	4.77E+02	U
SE	08	668987002	05/20/2024	Sb-124	1.96E+01	3.52E+01	1.32E+02	U
SE	08	668987002	05/20/2024	Sb-125	-3.29E+00	4.28E+01	1.44E+02	U
SE	08	668987002	05/20/2024	Se-75	-2.72E+00	2.20E+01	7.19E+01	U
SE	08	668987002	05/20/2024	Th-228	3.23E+02	6.89E+01	9.71E+01	
SE	08	668987002	05/20/2024	Th-230	4.97E+02	7.49E+01	1.09E+02	
SE	08	668987002	05/20/2024	TL-208	1.52E+02	3.92E+01	6.21E+01	
SE	08	668987002	05/20/2024	Zn-65	8.72E+01	7.33E+01	2.53E+02	U
SE	08	668987002	05/20/2024	Zr-95	3.43E+01	4.74E+01	1.71E+02	U
SE	08	697941002	11/19/2024	Ac-228	5.37E+02	1.09E+02	1.53E+02	
SE	08	697941002	11/19/2024	Ag-108m	7.87E+00	8.77E+00	3.03E+01	U
SE	08	697941002	11/19/2024	Ag-110m	-1.42E+01	1.78E+01	5.42E+01	U
SE	08	697941002	11/19/2024	Ba-140	4.47E+01	1.94E+02	6.68E+02	U
SE	08	697941002	11/19/2024	Be-7	-2.01E+02	1.43E+02	4.23E+02	U
SE	08	697941002	11/19/2024	Bi-214	0.00E+00	1.19E+02	1.69E+02	U
SE	08	697941002	11/19/2024	Ce-141	1.48E+01	2.62E+01	9.35E+01	U
SE	08	697941002	11/19/2024	Ce-144	-7.46E+01	5.74E+01	1.84E+02	U
SE	08	697941002	11/19/2024	Co-57	4.62E+00	6.98E+00	2.54E+01	U
SE	08	697941002	11/19/2024	Co-58	-2.17E+01	1.59E+01	4.68E+01	U
SE	08	697941002	11/19/2024	Co-60	5.75E+00	1.69E+01	5.64E+01	U
SE	08	697941002	11/19/2024	Cr-51	-4.66E+01	1.70E+02	6.02E+02	U
SE	08	697941002	11/19/2024	Cs-134	1.47E+01	1.45E+01	5.17E+01	U
SE	08	697941002	11/19/2024	Cs-137	-3.11E+01	1.37E+01	2.96E+01	U
SE	08	697941002	11/19/2024	Fe-59	-2.68E+01	4.80E+01	1.53E+02	U
SE	08	697941002	11/19/2024	I-131	1.96E+02	1.76E+02	6.36E+02	U
SE	08	697941002	11/19/2024	K-40	2.45E+04	1.68E+03	3.90E+02	
SE	08	697941002	11/19/2024	La-140	1.13E+02	8.06E+01	2.99E+02	U
SE	08	697941002	11/19/2024	Mn-54	-1.50E+01	1.36E+01	4.18E+01	U
SE	08	697941002	11/19/2024	Nb-95	2.31E+00	1.65E+01	5.66E+01	U
SE	08	697941002	11/19/2024	Pb-212	2.99E+02	5.32E+01	7.25E+01	
SE	08	697941002	11/19/2024	Pb-214	3.40E+02	6.69E+01	7.58E+01	
SE	08	697941002	11/19/2024	Ra-226	3.40E+02	6.69E+01	7.58E+01	
SE	08	697941002	11/19/2024	Ru-103	-1.20E+01	1.78E+01	5.77E+01	U
SE	08	697941002	11/19/2024	Ru-106	7.49E+01	9.93E+01	3.45E+02	U
SE	08	697941002	11/19/2024	Sb-124	-1.72E+01	3.27E+01	9.98E+01	U
SE	08	697941002	11/19/2024	Sb-125	-1.42E+01	2.61E+01	8.74E+01	U
SE	08	697941002	11/19/2024	Se-75	0.00E+00	2.79E+01	4.87E+01	U
SE	08	697941002	11/19/2024	Th-228	2.99E+02	5.32E+01	7.25E+01	
SE	08	697941002	11/19/2024	Th-230	3.40E+02	6.69E+01	7.58E+01	
SE	08	697941002	11/19/2024	TL-208	0.00E+00	3.41E+01	3.61E+01	U
SE	08	697941002	11/19/2024	Zn-65	3.67E+01	3.79E+01	1.31E+02	U
SE	08	697941002	11/19/2024	Zr-95	-1.62E+01	2.71E+01	8.99E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	668982002	05/21/2024	Ac-228	2.24E+03	2.58E+02	1.98E+02	
SE	52	668982002	05/21/2024	Ag-108m	1.20E+01	1.38E+01	5.12E+01	U
SE	52	668982002	05/21/2024	Ag-110m	-4.86E+01	3.26E+01	8.57E+01	U
SE	52	668982002	05/21/2024	Ba-140	-3.36E+02	2.76E+02	8.44E+02	U
SE	52	668982002	05/21/2024	Be-7	-1.23E+02	2.02E+02	6.88E+02	U
SE	52	668982002	05/21/2024	Bi-214	1.53E+03	1.61E+02	1.25E+02	
SE	52	668982002	05/21/2024	Ce-141	6.40E+01	6.92E+01	1.09E+02	U
SE	52	668982002	05/21/2024	Ce-144	3.37E+01	7.55E+01	2.87E+02	U
SE	52	668982002	05/21/2024	Co-57	2.61E+00	8.85E+00	3.40E+01	U
SE	52	668982002	05/21/2024	Co-58	6.32E+00	2.38E+01	8.10E+01	U
SE	52	668982002	05/21/2024	Co-60	-2.88E+01	1.76E+01	3.42E+01	U
SE	52	668982002	05/21/2024	Cr-51	8.49E+01	2.60E+02	8.96E+02	U
SE	52	668982002	05/21/2024	Cs-134	8.48E+01	4.23E+01	1.09E+02	U
SE	52	668982002	05/21/2024	Cs-137	1.88E+00	2.18E+01	7.50E+01	U
SE	52	668982002	05/21/2024	Fe-59	-5.42E+01	7.30E+01	2.31E+02	U
SE	52	668982002	05/21/2024	I-131	2.41E+02	1.72E+02	5.97E+02	U
SE	52	668982002	05/21/2024	K-40	1.56E+04	1.18E+03	6.52E+02	
SE	52	668982002	05/21/2024	La-140	-2.22E+02	1.34E+02	2.86E+02	U
SE	52	668982002	05/21/2024	Mn-54	4.14E+01	2.60E+01	9.01E+01	U
SE	52	668982002	05/21/2024	Nb-95	3.24E+01	2.88E+01	9.34E+01	U
SE	52	668982002	05/21/2024	Pb-212	2.56E+03	1.69E+02	8.34E+01	
SE	52	668982002	05/21/2024	Pb-214	1.90E+03	1.43E+02	1.03E+02	
SE	52	668982002	05/21/2024	Ra-226	1.90E+03	1.43E+02	1.03E+02	
SE	52	668982002	05/21/2024	Ru-103	-1.25E+01	2.36E+01	8.02E+01	U
SE	52	668982002	05/21/2024	Ru-106	-2.59E+01	1.71E+02	5.81E+02	U
SE	52	668982002	05/21/2024	Sb-124	-2.20E+01	4.74E+01	1.46E+02	U
SE	52	668982002	05/21/2024	Sb-125	-1.57E+01	4.87E+01	1.72E+02	U
SE	52	668982002	05/21/2024	Se-75	-3.22E+01	2.21E+01	6.63E+01	U
SE	52	668982002	05/21/2024	Th-228	2.56E+03	1.69E+02	8.34E+01	
SE	52	668982002	05/21/2024	Th-230	1.90E+03	1.43E+02	1.03E+02	
SE	52	668982002	05/21/2024	TL-208	7.12E+02	7.21E+01	6.95E+01	
SE	52	668982002	05/21/2024	Zn-65	8.45E+00	6.76E+01	2.06E+02	U
SE	52	668982002	05/21/2024	Zr-95	1.03E+02	5.96E+01	2.06E+02	U
SE	52	698609001	12/02/2024	Ac-228	3.21E+03	2.83E+02	2.61E+02	
SE	52	698609001	12/02/2024	Ag-108m	-1.92E+01	2.18E+01	6.04E+01	U
SE	52	698609001	12/02/2024	Ag-110m	-1.44E+01	2.87E+01	9.19E+01	U
SE	52	698609001	12/02/2024	Ba-140	8.04E+01	1.10E+02	3.69E+02	U
SE	52	698609001	12/02/2024	Be-7	-1.41E+02	1.88E+02	5.90E+02	U
SE	52	698609001	12/02/2024	Bi-214	2.04E+03	1.73E+02	1.45E+02	
SE	52	698609001	12/02/2024	Ce-141	2.06E+01	3.07E+01	9.47E+01	U
SE	52	698609001	12/02/2024	Ce-144	3.35E+01	1.04E+02	3.49E+02	U
SE	52	698609001	12/02/2024	Co-57	7.92E+00	1.23E+01	4.19E+01	U
SE	52	698609001	12/02/2024	Co-58	1.13E+01	2.46E+01	7.52E+01	U
SE	52	698609001	12/02/2024	Co-60	-1.76E+01	2.51E+01	7.91E+01	U
SE	52	698609001	12/02/2024	Cr-51	1.14E+02	1.86E+02	6.46E+02	U
SE	52	698609001	12/02/2024	Cs-134	0.00E+00	8.63E+01	1.24E+02	U
SE	52	698609001	12/02/2024	Cs-137	2.54E+00	2.25E+01	7.80E+01	U
SE	52	698609001	12/02/2024	Fe-59	-6.74E+01	4.64E+01	1.23E+02	U
SE	52	698609001	12/02/2024	I-131	2.30E+00	3.53E+01	1.21E+02	U
SE	52	698609001	12/02/2024	K-40	1.29E+04	9.98E+02	6.65E+02	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	698609001	12/02/2024	La-140	-4.26E+01	4.10E+01	9.30E+01	U
SE	52	698609001	12/02/2024	Mn-54	3.57E+01	2.87E+01	8.81E+01	U
SE	52	698609001	12/02/2024	Nb-95	1.91E+01	2.59E+01	8.97E+01	U
SE	52	698609001	12/02/2024	Pb-212	3.46E+03	2.05E+02	1.06E+02	
SE	52	698609001	12/02/2024	Pb-214	2.17E+03	1.50E+02	1.43E+02	
SE	52	698609001	12/02/2024	Ra-226	2.17E+03	1.50E+02	1.43E+02	
SE	52	698609001	12/02/2024	Ru-103	1.43E+01	2.32E+01	7.78E+01	U
SE	52	698609001	12/02/2024	Ru-106	-9.99E+01	1.97E+02	6.52E+02	U
SE	52	698609001	12/02/2024	Sb-124	5.52E+01	4.71E+01	1.69E+02	U
SE	52	698609001	12/02/2024	Sb-125	7.83E+01	5.61E+01	1.73E+02	U
SE	52	698609001	12/02/2024	Se-75	1.72E+01	2.52E+01	8.03E+01	U
SE	52	698609001	12/02/2024	Th-228	3.46E+03	2.05E+02	1.06E+02	
SE	52	698609001	12/02/2024	Th-230	2.17E+03	1.50E+02	1.43E+02	
SE	52	698609001	12/02/2024	TL-208	9.60E+02	7.76E+01	6.71E+01	
SE	52	698609001	12/02/2024	Zn-65	4.80E+01	5.57E+01	1.68E+02	U
SE	52	698609001	12/02/2024	Zr-95	-5.16E+01	4.75E+01	1.45E+02	U
SE	57	668987003	05/20/2024	Ac-228	2.76E+02	1.35E+02	2.07E+02	
SE	57	668987003	05/20/2024	Ag-108m	3.21E+00	1.08E+01	3.51E+01	U
SE	57	668987003	05/20/2024	Ag-110m	0.00E+00	3.71E+01	7.82E+01	U
SE	57	668987003	05/20/2024	Ba-140	-1.88E+02	1.78E+02	5.33E+02	U
SE	57	668987003	05/20/2024	Be-7	1.48E+02	1.40E+02	4.75E+02	U
SE	57	668987003	05/20/2024	Bi-214	2.86E+02	6.28E+01	8.66E+01	
SE	57	668987003	05/20/2024	Ce-141	-1.23E+01	2.84E+01	9.70E+01	U
SE	57	668987003	05/20/2024	Ce-144	-1.18E+01	6.38E+01	2.21E+02	U
SE	57	668987003	05/20/2024	Co-57	2.98E+00	8.80E+00	3.14E+01	U
SE	57	668987003	05/20/2024	Co-58	-2.29E+01	1.98E+01	5.60E+01	U
SE	57	668987003	05/20/2024	Co-60	-4.96E+00	1.75E+01	5.76E+01	U
SE	57	668987003	05/20/2024	Cr-51	9.72E+01	1.77E+02	6.57E+02	U
SE	57	668987003	05/20/2024	Cs-134	-1.27E+00	1.39E+01	4.58E+01	U
SE	57	668987003	05/20/2024	Cs-137	1.29E+01	1.29E+01	4.66E+01	U
SE	57	668987003	05/20/2024	Fe-59	9.77E+00	4.96E+01	1.74E+02	U
SE	57	668987003	05/20/2024	I-131	3.00E+02	1.35E+02	4.82E+02	U
SE	57	668987003	05/20/2024	K-40	2.52E+04	1.46E+03	3.43E+02	
SE	57	668987003	05/20/2024	La-140	2.14E+01	4.81E+01	1.75E+02	U
SE	57	668987003	05/20/2024	Mn-54	5.89E+00	1.42E+01	4.70E+01	U
SE	57	668987003	05/20/2024	Nb-95	-1.20E+01	2.25E+01	7.16E+01	U
SE	57	668987003	05/20/2024	Pb-212	4.97E+02	5.55E+01	7.67E+01	
SE	57	668987003	05/20/2024	Pb-214	3.14E+02	6.14E+01	7.69E+01	
SE	57	668987003	05/20/2024	Ra-226	3.14E+02	6.14E+01	7.69E+01	
SE	57	668987003	05/20/2024	Ru-103	-3.94E+00	1.72E+01	5.90E+01	U
SE	57	668987003	05/20/2024	Ru-106	2.28E+01	1.17E+02	4.05E+02	U
SE	57	668987003	05/20/2024	Sb-124	2.95E+00	2.69E+01	9.15E+01	U
SE	57	668987003	05/20/2024	Sb-125	4.78E+01	3.07E+01	1.13E+02	U
SE	57	668987003	05/20/2024	Se-75	1.66E+01	1.59E+01	5.52E+01	U
SE	57	668987003	05/20/2024	Th-228	4.97E+02	5.55E+01	7.67E+01	
SE	57	668987003	05/20/2024	Th-230	3.14E+02	6.14E+01	7.69E+01	
SE	57	668987003	05/20/2024	TL-208	1.52E+02	3.25E+01	4.08E+01	
SE	57	668987003	05/20/2024	Zn-65	-1.01E+02	4.50E+01	1.01E+02	U
SE	57	668987003	05/20/2024	Zr-95	8.29E+00	2.86E+01	9.87E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	57	697941003	11/19/2024	Ac-228	4.84E+02	1.48E+02	1.80E+02	
SE	57	697941003	11/19/2024	Ag-108m	-1.71E+01	1.01E+01	2.83E+01	U
SE	57	697941003	11/19/2024	Ag-110m	2.02E+01	2.16E+01	7.28E+01	U
SE	57	697941003	11/19/2024	Ba-140	-8.36E+00	2.85E+02	9.63E+02	U
SE	57	697941003	11/19/2024	Be-7	-2.31E+02	1.52E+02	4.39E+02	U
SE	57	697941003	11/19/2024	Bi-214	2.70E+02	5.73E+01	8.54E+01	
SE	57	697941003	11/19/2024	Ce-141	3.63E+00	3.36E+01	1.05E+02	U
SE	57	697941003	11/19/2024	Ce-144	-5.81E+01	7.39E+01	2.17E+02	U
SE	57	697941003	11/19/2024	Co-57	-9.85E-01	8.81E+00	2.98E+01	U
SE	57	697941003	11/19/2024	Co-58	1.57E+01	1.51E+01	5.20E+01	U
SE	57	697941003	11/19/2024	Co-60	-8.82E+00	1.68E+01	5.20E+01	U
SE	57	697941003	11/19/2024	Cr-51	-7.55E+01	1.86E+02	6.37E+02	U
SE	57	697941003	11/19/2024	Cs-134	-5.57E+00	1.55E+01	4.90E+01	U
SE	57	697941003	11/19/2024	Cs-137	-9.94E+00	1.41E+01	4.41E+01	U
SE	57	697941003	11/19/2024	Fe-59	-4.22E+01	5.40E+01	1.72E+02	U
SE	57	697941003	11/19/2024	I-131	-1.81E+02	2.03E+02	6.62E+02	U
SE	57	697941003	11/19/2024	K-40	2.83E+04	1.92E+03	2.88E+02	
SE	57	697941003	11/19/2024	La-140	-1.19E+01	5.92E+01	1.87E+02	U
SE	57	697941003	11/19/2024	Mn-54	-1.78E+01	1.71E+01	5.00E+01	U
SE	57	697941003	11/19/2024	Nb-95	1.21E+01	1.94E+01	6.55E+01	U
SE	57	697941003	11/19/2024	Pb-212	3.89E+02	5.50E+01	6.84E+01	
SE	57	697941003	11/19/2024	Pb-214	3.86E+02	6.54E+01	8.88E+01	
SE	57	697941003	11/19/2024	Ra-226	3.86E+02	6.54E+01	8.88E+01	
SE	57	697941003	11/19/2024	Ru-103	2.73E+01	1.86E+01	6.49E+01	U
SE	57	697941003	11/19/2024	Ru-106	-5.64E+01	1.18E+02	3.77E+02	U
SE	57	697941003	11/19/2024	Sb-124	-1.60E+01	3.47E+01	1.04E+02	U
SE	57	697941003	11/19/2024	Sb-125	2.26E+01	3.56E+01	1.25E+02	U
SE	57	697941003	11/19/2024	Se-75	1.56E+01	1.83E+01	6.03E+01	U
SE	57	697941003	11/19/2024	Th-228	3.89E+02	5.50E+01	6.84E+01	
SE	57	697941003	11/19/2024	Th-230	3.86E+02	6.54E+01	8.88E+01	
SE	57	697941003	11/19/2024	TL-208	1.45E+02	3.14E+01	3.74E+01	
SE	57	697941003	11/19/2024	Zn-65	-1.10E+01	4.49E+01	1.32E+02	U
SE	57	697941003	11/19/2024	Zr-95	2.47E+01	3.24E+01	1.10E+02	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	673595004	06/25/2024	Ac-228	1.75E+01	1.54E+01	5.45E+01	U
TF	02	673595004	06/25/2024	Ag-108m	3.67E-01	2.46E+00	8.32E+00	U
TF	02	673595004	06/25/2024	Ag-110m	-1.36E+00	4.63E+00	1.41E+01	U
TF	02	673595004	06/25/2024	Ba-140	-9.89E+00	1.73E+01	5.28E+01	U
TF	02	673595004	06/25/2024	Be-7	8.84E+01	2.65E+01	6.60E+01	
TF	02	673595004	06/25/2024	Ce-141	-3.35E+00	4.44E+00	1.31E+01	U
TF	02	673595004	06/25/2024	Ce-144	-1.17E+00	1.48E+01	4.72E+01	U
TF	02	673595004	06/25/2024	Co-57	6.15E-01	2.00E+00	6.55E+00	U
TF	02	673595004	06/25/2024	Co-58	1.08E-02	2.80E+00	8.96E+00	U
TF	02	673595004	06/25/2024	Co-60	-2.72E+00	3.43E+00	9.74E+00	U
TF	02	673595004	06/25/2024	Cr-51	-2.15E+01	2.38E+01	7.28E+01	U
TF	02	673595004	06/25/2024	Cs-134	-1.00E+01	3.88E+00	4.36E+00	U
TF	02	673595004	06/25/2024	Cs-137	-2.44E+00	2.67E+00	7.34E+00	U
TF	02	673595004	06/25/2024	Fe-59	-1.64E+01	7.43E+00	1.20E+01	U
TF	02	673595004	06/25/2024	I-131	-4.89E-01	4.96E+00	1.65E+01	U
TF	02	673595004	06/25/2024	K-40	1.23E+03	1.30E+02	1.07E+02	
TF	02	673595004	06/25/2024	La-140	4.99E+00	6.64E+00	2.41E+01	U
TF	02	673595004	06/25/2024	Mn-54	-1.63E+00	3.43E+00	1.03E+01	U
TF	02	673595004	06/25/2024	Nb-95	-4.30E-02	2.86E+00	9.16E+00	U
TF	02	673595004	06/25/2024	Ru-103	1.06E-02	3.00E+00	9.92E+00	U
TF	02	673595004	06/25/2024	Ru-106	-2.52E+01	2.43E+01	6.62E+01	U
TF	02	673595004	06/25/2024	Sb-124	2.41E+00	7.83E+00	2.69E+01	U
TF	02	673595004	06/25/2024	Sb-125	-3.46E+00	6.30E+00	1.96E+01	U
TF	02	673595004	06/25/2024	Se-75	-3.98E+00	3.10E+00	9.07E+00	U
TF	02	673595004	06/25/2024	Th-228	0.00E+00	1.56E+01	2.05E+01	U
TF	02	673595004	06/25/2024	Th-230	1.42E+01	8.03E+00	2.04E+01	U
TF	02	673595004	06/25/2024	Zn-65	3.32E+00	7.20E+00	2.53E+01	U
TF	02	673595004	06/25/2024	Zr-95	-2.75E+00	5.61E+00	1.68E+01	U
TF	02	678795004	07/29/2024	Ac-228	-5.42E+00	7.87E+00	2.34E+01	U
TF	02	678795004	07/29/2024	Ag-108m	-8.73E-01	1.32E+00	4.14E+00	U
TF	02	678795004	07/29/2024	Ag-110m	1.56E+00	2.53E+00	8.76E+00	U
TF	02	678795004	07/29/2024	Ba-140	1.74E+01	1.32E+01	4.36E+01	U
TF	02	678795004	07/29/2024	Be-7	1.54E+00	1.50E+01	4.92E+01	U
TF	02	678795004	07/29/2024	Ce-141	-1.46E+00	2.77E+00	9.31E+00	U
TF	02	678795004	07/29/2024	Ce-144	4.02E+00	9.79E+00	3.08E+01	U
TF	02	678795004	07/29/2024	Co-57	-2.21E-01	1.32E+00	4.10E+00	U
TF	02	678795004	07/29/2024	Co-58	-1.27E+00	1.83E+00	5.40E+00	U
TF	02	678795004	07/29/2024	Co-60	-2.12E-01	1.75E+00	5.72E+00	U
TF	02	678795004	07/29/2024	Cr-51	-1.35E+01	1.63E+01	5.13E+01	U
TF	02	678795004	07/29/2024	Cs-134	1.03E+00	1.87E+00	6.11E+00	U
TF	02	678795004	07/29/2024	Cs-137	2.09E+00	3.77E+00	5.82E+00	U
TF	02	678795004	07/29/2024	Fe-59	4.32E+00	4.87E+00	1.68E+01	U
TF	02	678795004	07/29/2024	I-131	-1.88E+00	4.90E+00	1.59E+01	U
TF	02	678795004	07/29/2024	K-40	0.00E+00	3.92E+02	3.56E+02	U
TF	02	678795004	07/29/2024	La-140	4.40E+00	3.56E+00	1.29E+01	U
TF	02	678795004	07/29/2024	Mn-54	-2.60E+00	1.89E+00	5.17E+00	U
TF	02	678795004	07/29/2024	Nb-95	9.01E-01	1.82E+00	5.96E+00	U
TF	02	678795004	07/29/2024	Ru-103	-3.32E+00	2.11E+00	5.56E+00	U
TF	02	678795004	07/29/2024	Ru-106	-1.01E+01	1.28E+01	3.81E+01	U
TF	02	678795004	07/29/2024	Sb-124	-1.17E+00	2.68E+00	7.89E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	678795004	07/29/2024	Sb-125	-3.68E+00	4.04E+00	1.23E+01	U
TF	02	678795004	07/29/2024	Se-75	-1.89E+00	2.04E+00	6.45E+00	U
TF	02	678795004	07/29/2024	Th-228	-6.29E+00	4.07E+00	1.07E+01	U
TF	02	678795004	07/29/2024	Th-230	9.36E+00	8.84E+00	1.28E+01	U
TF	02	678795004	07/29/2024	Zn-65	-5.37E+00	4.78E+00	1.43E+01	U
TF	02	678795004	07/29/2024	Zr-95	-1.60E+00	3.93E+00	1.06E+01	U
TF	02	682558004	08/20/2024	Ac-228	3.39E+01	2.61E+01	4.58E+01	U
TF	02	682558004	08/20/2024	Ag-108m	2.10E+00	2.02E+00	6.74E+00	U
TF	02	682558004	08/20/2024	Ag-110m	2.57E+00	3.81E+00	1.34E+01	U
TF	02	682558004	08/20/2024	Ba-140	-2.13E-01	1.60E+01	4.96E+01	U
TF	02	682558004	08/20/2024	Be-7	3.12E+01	2.10E+01	7.25E+01	U
TF	02	682558004	08/20/2024	Ce-141	-8.58E+00	4.48E+00	1.09E+01	U
TF	02	682558004	08/20/2024	Ce-144	7.84E+00	1.15E+01	3.81E+01	U
TF	02	682558004	08/20/2024	Co-57	-9.31E-01	1.68E+00	5.26E+00	U
TF	02	682558004	08/20/2024	Co-58	-8.49E-01	2.91E+00	9.00E+00	U
TF	02	682558004	08/20/2024	Co-60	5.83E-01	2.66E+00	8.97E+00	U
TF	02	682558004	08/20/2024	Cr-51	-1.82E+01	2.03E+01	6.37E+01	U
TF	02	682558004	08/20/2024	Cs-134	1.40E+00	2.73E+00	9.07E+00	U
TF	02	682558004	08/20/2024	Cs-137	-4.62E+00	3.40E+00	7.88E+00	U
TF	02	682558004	08/20/2024	Fe-59	-8.96E+00	6.09E+00	1.60E+01	U
TF	02	682558004	08/20/2024	I-131	2.16E+00	5.04E+00	1.74E+01	U
TF	02	682558004	08/20/2024	K-40	2.28E+03	1.70E+02	8.13E+01	U
TF	02	682558004	08/20/2024	La-140	1.83E+00	4.50E+00	1.55E+01	U
TF	02	682558004	08/20/2024	Mn-54	4.64E-01	2.31E+00	7.48E+00	U
TF	02	682558004	08/20/2024	Nb-95	1.76E+00	2.55E+00	8.59E+00	U
TF	02	682558004	08/20/2024	Ru-103	-5.57E-01	2.38E+00	6.85E+00	U
TF	02	682558004	08/20/2024	Ru-106	-9.86E-01	2.32E+01	7.50E+01	U
TF	02	682558004	08/20/2024	Sb-124	-6.87E+00	5.31E+00	1.11E+01	U
TF	02	682558004	08/20/2024	Sb-125	-8.59E+00	6.07E+00	1.55E+01	U
TF	02	682558004	08/20/2024	Se-75	2.88E+00	2.66E+00	9.34E+00	U
TF	02	682558004	08/20/2024	Th-228	8.41E+00	6.72E+00	1.67E+01	U
TF	02	682558004	08/20/2024	Th-230	-4.82E+00	5.67E+00	1.57E+01	U
TF	02	682558004	08/20/2024	Zn-65	2.03E+00	7.43E+00	2.24E+01	U
TF	02	682558004	08/20/2024	Zr-95	-6.76E+00	4.95E+00	1.28E+01	U
TF	02	686843004	09/17/2024	Ac-228	-9.23E-01	9.23E+00	3.14E+01	U
TF	02	686843004	09/17/2024	Ag-108m	-2.11E+00	1.81E+00	5.28E+00	U
TF	02	686843004	09/17/2024	Ag-110m	2.75E+00	2.80E+00	1.01E+01	U
TF	02	686843004	09/17/2024	Ba-140	9.11E+00	1.08E+01	3.74E+01	U
TF	02	686843004	09/17/2024	Be-7	0.00E+00	3.21E+01	4.97E+01	U
TF	02	686843004	09/17/2024	Ce-141	-2.55E+00	3.38E+00	9.36E+00	U
TF	02	686843004	09/17/2024	Ce-144	1.67E-01	1.16E+01	3.77E+01	U
TF	02	686843004	09/17/2024	Co-57	-6.48E-01	1.58E+00	5.00E+00	U
TF	02	686843004	09/17/2024	Co-58	-2.67E+00	2.44E+00	6.51E+00	U
TF	02	686843004	09/17/2024	Co-60	3.69E+00	2.82E+00	1.02E+01	U
TF	02	686843004	09/17/2024	Cr-51	-2.18E+01	1.89E+01	5.74E+01	U
TF	02	686843004	09/17/2024	Cs-134	4.13E-01	2.25E+00	7.31E+00	U
TF	02	686843004	09/17/2024	Cs-137	4.21E+00	2.49E+00	8.60E+00	U
TF	02	686843004	09/17/2024	Fe-59	-3.45E-01	5.23E+00	1.73E+01	U
TF	02	686843004	09/17/2024	I-131	-2.00E+00	3.79E+00	1.23E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	686843004	09/17/2024	K-40	1.76E+03	1.39E+02	5.26E+01	
TF	02	686843004	09/17/2024	La-140	-3.66E-01	3.49E+00	1.11E+01	U
TF	02	686843004	09/17/2024	Mn-54	4.19E+00	2.33E+00	8.10E+00	U
TF	02	686843004	09/17/2024	Nb-95	2.27E+00	2.25E+00	7.75E+00	U
TF	02	686843004	09/17/2024	Ru-103	-2.45E+00	2.19E+00	6.31E+00	U
TF	02	686843004	09/17/2024	Ru-106	2.08E+00	1.84E+01	6.04E+01	U
TF	02	686843004	09/17/2024	Sb-124	-7.02E-01	3.57E+00	1.09E+01	U
TF	02	686843004	09/17/2024	Sb-125	1.12E+00	4.91E+00	1.67E+01	U
TF	02	686843004	09/17/2024	Se-75	2.49E+00	2.52E+00	8.87E+00	U
TF	02	686843004	09/17/2024	Th-228	0.00E+00	6.97E+00	1.03E+01	U
TF	02	686843004	09/17/2024	Th-230	9.20E+00	5.25E+00	1.78E+01	U
TF	02	686843004	09/17/2024	Zn-65	-5.21E+00	6.52E+00	1.99E+01	U
TF	02	686843004	09/17/2024	Zr-95	2.88E+00	4.08E+00	1.38E+01	U
TF	03	673595005	06/25/2024	Ac-228	0.00E+00	1.72E+01	3.70E+01	U
TF	03	673595005	06/25/2024	Ag-108m	-4.00E-01	1.55E+00	5.13E+00	U
TF	03	673595005	06/25/2024	Ag-110m	1.15E+00	2.26E+00	7.63E+00	U
TF	03	673595005	06/25/2024	Ba-140	-1.48E+00	1.20E+01	3.93E+01	U
TF	03	673595005	06/25/2024	Be-7	7.64E+01	2.60E+01	4.84E+01	
TF	03	673595005	06/25/2024	Ce-141	5.03E-01	4.15E+00	9.30E+00	U
TF	03	673595005	06/25/2024	Ce-144	-9.81E+00	1.23E+01	3.64E+01	U
TF	03	673595005	06/25/2024	Co-57	3.23E+00	1.59E+00	5.09E+00	U
TF	03	673595005	06/25/2024	Co-58	-5.15E-01	2.02E+00	6.31E+00	U
TF	03	673595005	06/25/2024	Co-60	2.09E+00	2.34E+00	8.33E+00	U
TF	03	673595005	06/25/2024	Cr-51	-1.98E+01	1.84E+01	5.73E+01	U
TF	03	673595005	06/25/2024	Cs-134	-2.16E+00	2.38E+00	6.84E+00	U
TF	03	673595005	06/25/2024	Cs-137	-3.15E-01	1.91E+00	6.14E+00	U
TF	03	673595005	06/25/2024	Fe-59	-3.20E+00	4.77E+00	1.49E+01	U
TF	03	673595005	06/25/2024	I-131	-1.58E+00	4.05E+00	1.26E+01	U
TF	03	673595005	06/25/2024	K-40	1.44E+03	1.21E+02	6.88E+01	
TF	03	673595005	06/25/2024	La-140	-2.36E+00	2.38E+00	5.32E+00	U
TF	03	673595005	06/25/2024	Mn-54	-5.58E-01	2.57E+00	7.17E+00	U
TF	03	673595005	06/25/2024	Nb-95	5.19E+00	2.62E+00	8.82E+00	U
TF	03	673595005	06/25/2024	Ru-103	1.89E+00	1.92E+00	6.21E+00	U
TF	03	673595005	06/25/2024	Ru-106	2.95E+00	1.92E+01	6.39E+01	U
TF	03	673595005	06/25/2024	Sb-124	-1.65E+00	3.38E+00	9.66E+00	U
TF	03	673595005	06/25/2024	Sb-125	-3.81E+00	5.54E+00	1.78E+01	U
TF	03	673595005	06/25/2024	Se-75	7.30E+00	3.32E+00	8.88E+00	U
TF	03	673595005	06/25/2024	Th-228	1.33E+01	5.91E+00	1.38E+01	U
TF	03	673595005	06/25/2024	Th-230	3.25E+00	6.70E+00	1.27E+01	U
TF	03	673595005	06/25/2024	Zn-65	6.85E+00	5.70E+00	1.86E+01	U
TF	03	673595005	06/25/2024	Zr-95	3.60E+00	3.07E+00	1.03E+01	U
TF	03	678795005	07/29/2024	Ac-228	2.20E+01	1.06E+01	2.99E+01	U
TF	03	678795005	07/29/2024	Ag-108m	6.92E-01	2.32E+00	5.75E+00	U
TF	03	678795005	07/29/2024	Ag-110m	-1.83E+00	2.57E+00	6.71E+00	U
TF	03	678795005	07/29/2024	Ba-140	-2.38E+00	1.30E+01	3.84E+01	U
TF	03	678795005	07/29/2024	Be-7	1.09E+01	1.51E+01	5.15E+01	U
TF	03	678795005	07/29/2024	Ce-141	-3.37E+00	2.97E+00	8.90E+00	U
TF	03	678795005	07/29/2024	Ce-144	4.64E-01	9.30E+00	3.03E+01	U
TF	03	678795005	07/29/2024	Co-57	-2.16E-01	1.23E+00	3.99E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	678795005	07/29/2024	Co-58	7.89E-01	1.83E+00	6.06E+00	U
TF	03	678795005	07/29/2024	Co-60	1.99E+00	2.08E+00	7.24E+00	U
TF	03	678795005	07/29/2024	Cr-51	0.00E+00	2.93E+01	5.42E+01	U
TF	03	678795005	07/29/2024	Cs-134	5.05E+00	2.30E+00	7.33E+00	U
TF	03	678795005	07/29/2024	Cs-137	5.19E-02	1.88E+00	6.18E+00	U
TF	03	678795005	07/29/2024	Fe-59	-4.51E+00	4.59E+00	1.21E+01	U
TF	03	678795005	07/29/2024	I-131	-1.60E+00	5.31E+00	1.79E+01	U
TF	03	678795005	07/29/2024	K-40	1.92E+03	1.26E+02	4.72E+01	
TF	03	678795005	07/29/2024	La-140	4.03E+00	4.08E+00	1.43E+01	U
TF	03	678795005	07/29/2024	Mn-54	-6.18E-01	1.78E+00	5.60E+00	U
TF	03	678795005	07/29/2024	Nb-95	-4.07E+00	2.32E+00	5.05E+00	U
TF	03	678795005	07/29/2024	Ru-103	-1.26E+00	2.00E+00	6.42E+00	U
TF	03	678795005	07/29/2024	Ru-106	-1.42E+01	1.45E+01	4.39E+01	U
TF	03	678795005	07/29/2024	Sb-124	2.51E+00	4.00E+00	1.39E+01	U
TF	03	678795005	07/29/2024	Sb-125	1.02E+00	4.25E+00	1.45E+01	U
TF	03	678795005	07/29/2024	Se-75	-3.47E-02	2.27E+00	7.12E+00	U
TF	03	678795005	07/29/2024	Th-228	6.87E+00	5.47E+00	1.14E+01	U
TF	03	678795005	07/29/2024	Th-230	1.70E+00	8.01E+00	1.38E+01	U
TF	03	678795005	07/29/2024	Zn-65	-2.70E+00	3.84E+00	1.22E+01	U
TF	03	678795005	07/29/2024	Zr-95	1.88E+00	3.56E+00	1.07E+01	U
TF	03	682558005	08/20/2024	Ac-228	-5.78E+00	1.40E+01	4.52E+01	U
TF	03	682558005	08/20/2024	Ag-108m	5.89E-01	2.31E+00	7.62E+00	U
TF	03	682558005	08/20/2024	Ag-110m	-4.92E-01	3.75E+00	1.22E+01	U
TF	03	682558005	08/20/2024	Ba-140	2.24E+00	1.38E+01	4.47E+01	U
TF	03	682558005	08/20/2024	Be-7	-1.89E+01	2.74E+01	8.27E+01	U
TF	03	682558005	08/20/2024	Ce-141	-2.01E+01	7.29E+00	1.31E+01	U
TF	03	682558005	08/20/2024	Ce-144	-4.25E+00	1.74E+01	5.37E+01	U
TF	03	682558005	08/20/2024	Co-57	3.24E+00	2.35E+00	7.01E+00	U
TF	03	682558005	08/20/2024	Co-58	-1.56E+00	2.68E+00	8.34E+00	U
TF	03	682558005	08/20/2024	Co-60	-3.52E-03	2.78E+00	8.21E+00	U
TF	03	682558005	08/20/2024	Cr-51	4.71E-01	2.65E+01	8.76E+01	U
TF	03	682558005	08/20/2024	Cs-134	-7.02E-01	2.92E+00	9.53E+00	U
TF	03	682558005	08/20/2024	Cs-137	-2.27E+00	3.27E+00	1.04E+01	U
TF	03	682558005	08/20/2024	Fe-59	2.46E+00	6.20E+00	2.09E+01	U
TF	03	682558005	08/20/2024	I-131	-4.77E+00	5.83E+00	1.76E+01	U
TF	03	682558005	08/20/2024	K-40	0.00E+00	1.93E+02	1.08E+02	U
TF	03	682558005	08/20/2024	La-140	-1.83E+00	4.51E+00	1.39E+01	U
TF	03	682558005	08/20/2024	Mn-54	-3.16E+00	3.29E+00	8.23E+00	U
TF	03	682558005	08/20/2024	Nb-95	2.50E+00	2.78E+00	9.76E+00	U
TF	03	682558005	08/20/2024	Ru-103	-2.42E+00	2.74E+00	7.91E+00	U
TF	03	682558005	08/20/2024	Ru-106	-2.61E+01	2.75E+01	8.53E+01	U
TF	03	682558005	08/20/2024	Sb-124	1.44E+00	6.53E+00	2.23E+01	U
TF	03	682558005	08/20/2024	Sb-125	1.24E+00	7.08E+00	2.32E+01	U
TF	03	682558005	08/20/2024	Se-75	5.43E+00	3.76E+00	1.27E+01	U
TF	03	682558005	08/20/2024	Th-228	1.40E+00	8.06E+00	1.96E+01	U
TF	03	682558005	08/20/2024	Th-230	-1.38E+00	6.57E+00	2.13E+01	U
TF	03	682558005	08/20/2024	Zn-65	4.97E-01	6.44E+00	2.11E+01	U
TF	03	682558005	08/20/2024	Zr-95	-8.84E-01	4.87E+00	1.60E+01	U
TF	03	686843005	09/17/2024	Ac-228	1.30E+01	1.11E+01	3.75E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	686843005	09/17/2024	Ag-108m	-9.60E-01	2.47E+00	7.45E+00	U
TF	03	686843005	09/17/2024	Ag-110m	-5.00E+00	3.61E+00	9.34E+00	U
TF	03	686843005	09/17/2024	Ba-140	-3.51E+00	1.06E+01	3.42E+01	U
TF	03	686843005	09/17/2024	Be-7	1.25E+01	2.06E+01	7.07E+01	U
TF	03	686843005	09/17/2024	Ce-141	-3.38E+00	3.65E+00	1.10E+01	U
TF	03	686843005	09/17/2024	Ce-144	2.46E+01	1.49E+01	4.78E+01	U
TF	03	686843005	09/17/2024	Co-57	-3.49E-01	1.69E+00	5.47E+00	U
TF	03	686843005	09/17/2024	Co-58	-3.60E+00	2.45E+00	6.23E+00	U
TF	03	686843005	09/17/2024	Co-60	4.47E-01	2.80E+00	9.50E+00	U
TF	03	686843005	09/17/2024	Cr-51	-7.47E+00	2.03E+01	6.83E+01	U
TF	03	686843005	09/17/2024	Cs-134	-1.81E+00	2.80E+00	8.45E+00	U
TF	03	686843005	09/17/2024	Cs-137	4.68E+00	3.00E+00	8.29E+00	U
TF	03	686843005	09/17/2024	Fe-59	7.12E-01	5.22E+00	1.79E+01	U
TF	03	686843005	09/17/2024	I-131	8.33E+00	4.72E+00	1.60E+01	U
TF	03	686843005	09/17/2024	K-40	2.19E+03	1.57E+02	8.13E+01	
TF	03	686843005	09/17/2024	La-140	-5.63E+00	4.17E+00	1.01E+01	U
TF	03	686843005	09/17/2024	Mn-54	5.51E+00	2.90E+00	9.72E+00	U
TF	03	686843005	09/17/2024	Nb-95	-3.61E-01	2.87E+00	9.25E+00	U
TF	03	686843005	09/17/2024	Ru-103	-3.83E+00	2.83E+00	7.01E+00	U
TF	03	686843005	09/17/2024	Ru-106	-2.75E+00	2.20E+01	7.18E+01	U
TF	03	686843005	09/17/2024	Sb-124	-5.62E+00	6.35E+00	1.78E+01	U
TF	03	686843005	09/17/2024	Sb-125	-3.78E+00	5.49E+00	1.74E+01	U
TF	03	686843005	09/17/2024	Se-75	-2.59E+00	2.71E+00	7.72E+00	U
TF	03	686843005	09/17/2024	Th-228	1.56E+00	6.23E+00	1.45E+01	U
TF	03	686843005	09/17/2024	Th-230	8.35E+00	5.31E+00	1.82E+01	U
TF	03	686843005	09/17/2024	Zn-65	-1.30E+00	5.93E+00	1.97E+01	U
TF	03	686843005	09/17/2024	Zr-95	-2.26E+00	4.32E+00	1.14E+01	U
TF	06	673595006	06/25/2024	Ac-228	1.03E+01	1.09E+01	3.97E+01	U
TF	06	673595006	06/25/2024	Ag-108m	9.25E-01	2.10E+00	7.35E+00	U
TF	06	673595006	06/25/2024	Ag-110m	-5.34E+00	3.52E+00	6.69E+00	U
TF	06	673595006	06/25/2024	Ba-140	-1.04E+01	1.45E+01	4.27E+01	U
TF	06	673595006	06/25/2024	Be-7	2.77E+01	2.46E+01	8.81E+01	U
TF	06	673595006	06/25/2024	Ce-141	1.86E+00	4.81E+00	1.60E+01	U
TF	06	673595006	06/25/2024	Ce-144	-1.61E+01	1.61E+01	4.66E+01	U
TF	06	673595006	06/25/2024	Co-57	1.85E-01	2.21E+00	6.73E+00	U
TF	06	673595006	06/25/2024	Co-58	1.14E+00	2.57E+00	8.83E+00	U
TF	06	673595006	06/25/2024	Co-60	-3.16E+00	2.52E+00	5.15E+00	U
TF	06	673595006	06/25/2024	Cr-51	1.80E+00	1.97E+01	6.79E+01	U
TF	06	673595006	06/25/2024	Cs-134	2.94E+00	2.98E+00	1.07E+01	U
TF	06	673595006	06/25/2024	Cs-137	1.60E+00	2.69E+00	9.37E+00	U
TF	06	673595006	06/25/2024	Fe-59	5.04E+00	5.56E+00	2.09E+01	U
TF	06	673595006	06/25/2024	I-131	3.14E+00	4.92E+00	1.77E+01	U
TF	06	673595006	06/25/2024	K-40	1.42E+03	1.55E+02	1.13E+02	
TF	06	673595006	06/25/2024	La-140	-7.58E+00	6.77E+00	1.60E+01	U
TF	06	673595006	06/25/2024	Mn-54	5.07E+00	2.66E+00	9.54E+00	U
TF	06	673595006	06/25/2024	Nb-95	-3.24E+00	3.29E+00	8.90E+00	U
TF	06	673595006	06/25/2024	Ru-103	1.81E+00	2.95E+00	1.03E+01	U
TF	06	673595006	06/25/2024	Ru-106	2.82E+01	1.43E+01	5.93E+01	U
TF	06	673595006	06/25/2024	Sb-124	-2.83E-01	6.38E+00	2.05E+01	U
TF	06	673595006	06/25/2024	Sb-125	-3.90E-01	7.31E+00	2.45E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	06	673595006	06/25/2024	Se-75	2.44E+00	3.34E+00	1.11E+01	U
TF	06	673595006	06/25/2024	Th-228	8.03E+00	8.54E+00	1.94E+01	U
TF	06	673595006	06/25/2024	Th-230	4.16E+00	5.67E+00	1.99E+01	U
TF	06	673595006	06/25/2024	Zn-65	0.00E+00	0.00E+00	2.41E+01	U
TF	06	673595006	06/25/2024	Zr-95	3.77E+00	4.29E+00	1.56E+01	U
TF	06	678795006	07/29/2024	Ac-228	7.97E+00	1.52E+01	2.79E+01	U
TF	06	678795006	07/29/2024	Ag-108m	-2.30E+00	1.52E+00	4.21E+00	U
TF	06	678795006	07/29/2024	Ag-110m	1.53E+00	2.54E+00	8.64E+00	U
TF	06	678795006	07/29/2024	Ba-140	6.89E+00	1.30E+01	4.23E+01	U
TF	06	678795006	07/29/2024	Be-7	-2.80E+00	1.60E+01	5.09E+01	U
TF	06	678795006	07/29/2024	Ce-141	-8.74E-02	3.11E+00	9.68E+00	U
TF	06	678795006	07/29/2024	Ce-144	6.46E+00	1.03E+01	3.26E+01	U
TF	06	678795006	07/29/2024	Co-57	5.51E-01	1.31E+00	4.15E+00	U
TF	06	678795006	07/29/2024	Co-58	2.66E+00	1.81E+00	6.23E+00	U
TF	06	678795006	07/29/2024	Co-60	2.16E+00	2.25E+00	7.57E+00	U
TF	06	678795006	07/29/2024	Cr-51	4.11E+00	1.78E+01	5.93E+01	U
TF	06	678795006	07/29/2024	Cs-134	2.31E+00	1.80E+00	6.22E+00	U
TF	06	678795006	07/29/2024	Cs-137	2.60E+00	1.87E+00	6.41E+00	U
TF	06	678795006	07/29/2024	Fe-59	1.00E+01	5.09E+00	1.68E+01	U
TF	06	678795006	07/29/2024	I-131	6.01E+00	5.28E+00	1.76E+01	U
TF	06	678795006	07/29/2024	K-40	1.65E+03	1.20E+02	5.72E+01	U
TF	06	678795006	07/29/2024	La-140	8.37E+00	4.81E+00	1.49E+01	U
TF	06	678795006	07/29/2024	Mn-54	-2.11E+00	2.29E+00	5.14E+00	U
TF	06	678795006	07/29/2024	Nb-95	-1.72E+00	1.89E+00	4.93E+00	U
TF	06	678795006	07/29/2024	Ru-103	-1.97E+00	2.13E+00	6.35E+00	U
TF	06	678795006	07/29/2024	Ru-106	9.51E+00	1.44E+01	4.99E+01	U
TF	06	678795006	07/29/2024	Sb-124	5.43E+00	3.72E+00	1.38E+01	U
TF	06	678795006	07/29/2024	Sb-125	6.47E+00	4.32E+00	1.43E+01	U
TF	06	678795006	07/29/2024	Se-75	-5.78E-01	1.99E+00	6.56E+00	U
TF	06	678795006	07/29/2024	Th-228	-1.06E+01	5.01E+00	1.08E+01	U
TF	06	678795006	07/29/2024	Th-230	-3.27E+00	4.78E+00	1.29E+01	U
TF	06	678795006	07/29/2024	Zn-65	-9.32E+00	5.02E+00	1.25E+01	U
TF	06	678795006	07/29/2024	Zr-95	1.05E+00	2.85E+00	9.73E+00	U
TF	06	682558006	08/20/2024	Ac-228	-2.02E+01	1.31E+01	3.45E+01	U
TF	06	682558006	08/20/2024	Ag-108m	-3.03E+00	1.99E+00	5.30E+00	U
TF	06	682558006	08/20/2024	Ag-110m	-2.17E+00	3.41E+00	1.08E+01	U
TF	06	682558006	08/20/2024	Ba-140	3.25E+00	1.38E+01	4.56E+01	U
TF	06	682558006	08/20/2024	Be-7	2.19E+01	2.04E+01	6.96E+01	U
TF	06	682558006	08/20/2024	Ce-141	8.36E-01	3.52E+00	1.22E+01	U
TF	06	682558006	08/20/2024	Ce-144	-1.29E+01	1.38E+01	3.94E+01	U
TF	06	682558006	08/20/2024	Co-57	1.03E+00	2.04E+00	6.02E+00	U
TF	06	682558006	08/20/2024	Co-58	-1.87E+00	2.88E+00	8.46E+00	U
TF	06	682558006	08/20/2024	Co-60	3.19E+00	2.82E+00	1.02E+01	U
TF	06	682558006	08/20/2024	Cr-51	2.19E+01	2.26E+01	7.77E+01	U
TF	06	682558006	08/20/2024	Cs-134	-1.57E+00	2.48E+00	7.20E+00	U
TF	06	682558006	08/20/2024	Cs-137	9.54E-01	2.22E+00	7.38E+00	U
TF	06	682558006	08/20/2024	Fe-59	1.34E+01	7.28E+00	2.54E+01	U
TF	06	682558006	08/20/2024	I-131	1.31E+01	4.91E+00	1.53E+01	U
TF	06	682558006	08/20/2024	K-40	2.50E+03	2.03E+02	6.91E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	06	682558006	08/20/2024	La-140	-6.26E+00	4.96E+00	1.17E+01	U
TF	06	682558006	08/20/2024	Mn-54	1.62E+00	2.40E+00	8.48E+00	U
TF	06	682558006	08/20/2024	Nb-95	2.16E+00	3.04E+00	9.76E+00	U
TF	06	682558006	08/20/2024	Ru-103	1.53E+00	2.78E+00	9.32E+00	U
TF	06	682558006	08/20/2024	Ru-106	-2.76E+01	1.95E+01	4.96E+01	U
TF	06	682558006	08/20/2024	Sb-124	3.72E+00	7.29E+00	2.51E+01	U
TF	06	682558006	08/20/2024	Sb-125	1.51E+01	7.08E+00	2.33E+01	U
TF	06	682558006	08/20/2024	Se-75	-1.26E+00	2.71E+00	8.81E+00	U
TF	06	682558006	08/20/2024	Th-228	1.27E+00	4.91E+00	1.65E+01	U
TF	06	682558006	08/20/2024	Th-230	2.37E+00	8.53E+00	1.91E+01	U
TF	06	682558006	08/20/2024	Zn-65	1.14E+01	7.19E+00	2.46E+01	U
TF	06	682558006	08/20/2024	Zr-95	-4.48E+00	4.39E+00	1.19E+01	U
TF	06	686843006	09/17/2024	Ac-228	-1.18E-01	1.00E+01	3.38E+01	U
TF	06	686843006	09/17/2024	Ag-108m	5.59E-01	1.65E+00	5.68E+00	U
TF	06	686843006	09/17/2024	Ag-110m	1.65E+00	3.52E+00	1.17E+01	U
TF	06	686843006	09/17/2024	Ba-140	-1.96E+00	1.33E+01	3.89E+01	U
TF	06	686843006	09/17/2024	Be-7	-1.01E+01	1.81E+01	5.05E+01	U
TF	06	686843006	09/17/2024	Ce-141	1.59E+00	3.16E+00	9.75E+00	U
TF	06	686843006	09/17/2024	Ce-144	2.23E+01	1.29E+01	4.20E+01	U
TF	06	686843006	09/17/2024	Co-57	-6.74E-01	1.48E+00	4.71E+00	U
TF	06	686843006	09/17/2024	Co-58	-3.90E+00	2.52E+00	6.28E+00	U
TF	06	686843006	09/17/2024	Co-60	-1.66E+00	2.33E+00	6.95E+00	U
TF	06	686843006	09/17/2024	Cr-51	1.43E+01	1.87E+01	6.57E+01	U
TF	06	686843006	09/17/2024	Cs-134	5.59E-01	2.41E+00	7.15E+00	U
TF	06	686843006	09/17/2024	Cs-137	-3.86E+00	2.43E+00	6.22E+00	U
TF	06	686843006	09/17/2024	Fe-59	-1.16E+00	5.55E+00	1.78E+01	U
TF	06	686843006	09/17/2024	I-131	4.10E+00	4.20E+00	1.47E+01	U
TF	06	686843006	09/17/2024	K-40	2.27E+03	1.72E+02	5.35E+01	
TF	06	686843006	09/17/2024	La-140	-2.27E+00	3.13E+00	8.69E+00	U
TF	06	686843006	09/17/2024	Mn-54	-1.19E+00	2.12E+00	6.35E+00	U
TF	06	686843006	09/17/2024	Nb-95	1.09E+00	2.61E+00	8.69E+00	U
TF	06	686843006	09/17/2024	Ru-103	-9.64E-01	2.03E+00	6.48E+00	U
TF	06	686843006	09/17/2024	Ru-106	4.98E+00	1.78E+01	5.99E+01	U
TF	06	686843006	09/17/2024	Sb-124	1.07E+00	5.73E+00	1.92E+01	U
TF	06	686843006	09/17/2024	Sb-125	3.69E+00	5.10E+00	1.78E+01	U
TF	06	686843006	09/17/2024	Se-75	1.72E+00	2.61E+00	8.46E+00	U
TF	06	686843006	09/17/2024	Th-228	8.06E+00	6.03E+00	1.43E+01	U
TF	06	686843006	09/17/2024	Th-230	-2.44E+00	5.73E+00	1.66E+01	U
TF	06	686843006	09/17/2024	Zn-65	3.63E+00	6.21E+00	2.17E+01	U
TF	06	686843006	09/17/2024	Zr-95	1.10E+01	5.03E+00	1.68E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	669567001	05/29/2024	Ac-228	5.55E+00	4.41E+01	8.68E+01	U
TG	08	669567001	05/29/2024	Ag-108m	4.96E+00	5.94E+00	2.01E+01	U
TG	08	669567001	05/29/2024	Ag-110m	-8.81E+00	9.35E+00	2.87E+01	U
TG	08	669567001	05/29/2024	Ba-140	4.16E+00	3.02E+01	9.92E+01	U
TG	08	669567001	05/29/2024	Be-7	0.00E+00	8.46E+01	1.93E+02	U
TG	08	669567001	05/29/2024	Ce-141	-2.24E+01	1.13E+01	3.03E+01	U
TG	08	669567001	05/29/2024	Ce-144	4.82E+01	3.91E+01	1.28E+02	U
TG	08	669567001	05/29/2024	Co-57	-9.88E-01	4.66E+00	1.53E+01	U
TG	08	669567001	05/29/2024	Co-58	1.24E+01	7.58E+00	2.58E+01	U
TG	08	669567001	05/29/2024	Co-60	-2.82E+00	9.41E+00	2.54E+01	U
TG	08	669567001	05/29/2024	Cr-51	-5.91E+01	5.02E+01	1.56E+02	U
TG	08	669567001	05/29/2024	Cs-134	6.05E+00	1.10E+01	2.83E+01	U
TG	08	669567001	05/29/2024	Cs-137	1.08E+00	7.52E+00	2.42E+01	U
TG	08	669567001	05/29/2024	Fe-59	1.47E+01	1.62E+01	5.49E+01	U
TG	08	669567001	05/29/2024	I-131	-1.33E+01	1.10E+01	3.36E+01	U
TG	08	669567001	05/29/2024	K-40	4.93E+03	3.89E+02	2.50E+02	
TG	08	669567001	05/29/2024	La-140	-5.13E+00	8.97E+00	2.77E+01	U
TG	08	669567001	05/29/2024	Mn-54	3.27E+00	7.02E+00	2.40E+01	U
TG	08	669567001	05/29/2024	Nb-95	-5.60E+00	7.72E+00	2.49E+01	U
TG	08	669567001	05/29/2024	Ru-103	6.11E+00	6.75E+00	2.26E+01	U
TG	08	669567001	05/29/2024	Ru-106	-7.22E+01	6.69E+01	1.96E+02	U
TG	08	669567001	05/29/2024	Sb-124	-6.74E+01	3.02E+01	5.34E+01	U
TG	08	669567001	05/29/2024	Sb-125	-2.44E+01	1.85E+01	5.50E+01	U
TG	08	669567001	05/29/2024	Se-75	-7.35E+00	8.74E+00	2.58E+01	U
TG	08	669567001	05/29/2024	Th-228	6.17E+00	2.20E+01	4.36E+01	U
TG	08	669567001	05/29/2024	Th-230	4.64E+01	3.59E+01	5.69E+01	U
TG	08	669567001	05/29/2024	Zn-65	-2.37E+01	2.02E+01	4.94E+01	U
TG	08	669567001	05/29/2024	Zr-95	1.13E+01	1.19E+01	4.15E+01	U
TG	08	691027001	10/16/2024	Ac-228	1.03E+01	3.09E+01	9.59E+01	U
TG	08	691027001	10/16/2024	Ag-108m	3.36E+00	4.28E+00	1.45E+01	U
TG	08	691027001	10/16/2024	Ag-110m	2.76E+00	6.59E+00	2.26E+01	U
TG	08	691027001	10/16/2024	Ba-140	1.13E+01	2.64E+01	8.74E+01	U
TG	08	691027001	10/16/2024	Be-7	1.65E+03	1.33E+02	1.26E+02	
TG	08	691027001	10/16/2024	Ce-141	-3.59E+01	1.34E+01	2.31E+01	U
TG	08	691027001	10/16/2024	Ce-144	-2.59E+01	2.83E+01	8.73E+01	U
TG	08	691027001	10/16/2024	Co-57	-3.31E+00	3.57E+00	1.11E+01	U
TG	08	691027001	10/16/2024	Co-58	-3.32E+00	5.86E+00	1.89E+01	U
TG	08	691027001	10/16/2024	Co-60	1.90E+01	8.73E+00	2.85E+01	U
TG	08	691027001	10/16/2024	Cr-51	-8.56E+00	4.55E+01	1.53E+02	U
TG	08	691027001	10/16/2024	Cs-134	5.05E+00	6.32E+00	2.19E+01	U
TG	08	691027001	10/16/2024	Cs-137	1.28E+00	5.60E+00	1.81E+01	U
TG	08	691027001	10/16/2024	Fe-59	-7.67E-01	1.22E+01	3.98E+01	U
TG	08	691027001	10/16/2024	I-131	-1.06E+01	9.00E+00	2.74E+01	U
TG	08	691027001	10/16/2024	K-40	3.50E+03	2.80E+02	1.78E+02	
TG	08	691027001	10/16/2024	La-140	-1.96E+01	1.00E+01	2.19E+01	U
TG	08	691027001	10/16/2024	Mn-54	-7.98E+00	5.81E+00	1.68E+01	U
TG	08	691027001	10/16/2024	Nb-95	1.10E+00	5.50E+00	1.88E+01	U
TG	08	691027001	10/16/2024	Ru-103	5.99E+00	5.35E+00	1.80E+01	U
TG	08	691027001	10/16/2024	Ru-106	7.25E-01	4.78E+01	1.53E+02	U
TG	08	691027001	10/16/2024	Sb-124	2.20E+01	1.36E+01	4.92E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	691027001	10/16/2024	Sb-125	1.63E+01	1.42E+01	4.77E+01	U
TG	08	691027001	10/16/2024	Se-75	-5.51E-01	6.11E+00	2.09E+01	U
TG	08	691027001	10/16/2024	Th-228	5.36E+00	1.76E+01	2.72E+01	U
TG	08	691027001	10/16/2024	Th-230	4.92E+01	2.54E+01	3.58E+01	
TG	08	691027001	10/16/2024	Zn-65	8.50E+00	1.34E+01	4.51E+01	U
TG	08	691027001	10/16/2024	Zr-95	4.38E+00	9.33E+00	3.23E+01	U
TG	08	673595001	06/25/2024	Ac-228	-5.76E+01	3.59E+01	8.07E+01	U
TG	08	673595001	06/25/2024	Ag-108m	-7.86E-01	5.08E+00	1.67E+01	U
TG	08	673595001	06/25/2024	Ag-110m	-5.60E-01	1.02E+01	3.39E+01	U
TG	08	673595001	06/25/2024	Ba-140	-4.33E+01	1.18E+02	3.73E+02	U
TG	08	673595001	06/25/2024	Be-7	5.14E+02	1.22E+02	2.31E+02	
TG	08	673595001	06/25/2024	Ce-141	1.42E+00	1.66E+01	5.00E+01	U
TG	08	673595001	06/25/2024	Ce-144	-5.34E+00	3.01E+01	9.76E+01	U
TG	08	673595001	06/25/2024	Co-57	8.00E+00	4.57E+00	1.49E+01	U
TG	08	673595001	06/25/2024	Co-58	1.08E+01	7.89E+00	2.63E+01	U
TG	08	673595001	06/25/2024	Co-60	1.40E+01	9.46E+00	3.27E+01	U
TG	08	673595001	06/25/2024	Cr-51	5.07E+01	1.02E+02	3.51E+02	U
TG	08	673595001	06/25/2024	Cs-134	2.95E+00	6.97E+00	2.43E+01	U
TG	08	673595001	06/25/2024	Cs-137	5.94E+01	1.42E+01	2.04E+01	M
TG	08	673595001	06/25/2024	Fe-59	-1.99E+01	2.04E+01	5.83E+01	U
TG	08	673595001	06/25/2024	I-131	-1.46E+02	1.10E+02	3.24E+02	U DL
TG	08	673595001	06/25/2024	K-40	3.33E+03	3.25E+02	2.34E+02	
TG	08	673595001	06/25/2024	La-140	-1.82E+01	3.98E+01	1.24E+02	U
TG	08	673595001	06/25/2024	Mn-54	-7.09E+00	6.89E+00	2.07E+01	U
TG	08	673595001	06/25/2024	Nb-95	-6.15E+00	1.04E+01	2.91E+01	U
TG	08	673595001	06/25/2024	Ru-103	5.31E+00	9.67E+00	3.27E+01	U
TG	08	673595001	06/25/2024	Ru-106	-1.06E+01	5.79E+01	1.84E+02	U
TG	08	673595001	06/25/2024	Sb-124	1.25E+01	1.64E+01	6.04E+01	U
TG	08	673595001	06/25/2024	Sb-125	-2.61E+00	1.56E+01	5.12E+01	U
TG	08	673595001	06/25/2024	Se-75	-5.79E+00	9.51E+00	2.83E+01	U
TG	08	673595001	06/25/2024	Th-228	-2.17E+00	1.36E+01	4.00E+01	U
TG	08	673595001	06/25/2024	Th-230	5.42E+01	3.08E+01	5.68E+01	U
TG	08	673595001	06/25/2024	Zn-65	-4.14E+00	1.57E+01	5.01E+01	U
TG	08	673595001	06/25/2024	Zr-95	1.63E+01	1.51E+01	5.25E+01	U
TG	08	678795001	07/29/2024	Ac-228	8.08E+01	4.16E+01	8.56E+01	U
TG	08	678795001	07/29/2024	Ag-108m	-2.89E+00	3.55E+00	1.10E+01	U
TG	08	678795001	07/29/2024	Ag-110m	-3.09E+00	6.67E+00	1.87E+01	U
TG	08	678795001	07/29/2024	Ba-140	-4.01E+01	3.39E+01	9.87E+01	U
TG	08	678795001	07/29/2024	Be-7	7.66E+02	1.08E+02	1.37E+02	
TG	08	678795001	07/29/2024	Ce-141	-1.02E+01	8.71E+00	2.34E+01	U
TG	08	678795001	07/29/2024	Ce-144	7.66E+00	2.40E+01	7.79E+01	U
TG	08	678795001	07/29/2024	Co-57	-1.08E+00	3.21E+00	1.02E+01	U
TG	08	678795001	07/29/2024	Co-58	-8.17E+00	5.68E+00	1.66E+01	U
TG	08	678795001	07/29/2024	Co-60	-3.97E+00	6.42E+00	1.67E+01	U
TG	08	678795001	07/29/2024	Cr-51	-4.23E+01	4.72E+01	1.50E+02	U
TG	08	678795001	07/29/2024	Cs-134	3.55E+00	5.74E+00	1.98E+01	U
TG	08	678795001	07/29/2024	Cs-137	2.64E+00	4.53E+00	1.49E+01	U
TG	08	678795001	07/29/2024	Fe-59	4.67E+00	1.08E+01	3.63E+01	U
TG	08	678795001	07/29/2024	I-131	4.04E+00	1.32E+01	4.46E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	678795001	07/29/2024	K-40	3.90E+03	2.75E+02	1.33E+02	
TG	08	678795001	07/29/2024	La-140	-1.54E+00	1.07E+01	3.55E+01	U
TG	08	678795001	07/29/2024	Mn-54	-5.82E+00	4.67E+00	1.39E+01	U
TG	08	678795001	07/29/2024	Nb-95	3.66E+00	4.84E+00	1.68E+01	U
TG	08	678795001	07/29/2024	Ru-103	2.97E+00	5.13E+00	1.71E+01	U
TG	08	678795001	07/29/2024	Ru-106	3.69E+00	4.55E+01	1.47E+02	U
TG	08	678795001	07/29/2024	Sb-124	3.24E-01	1.11E+01	3.75E+01	U
TG	08	678795001	07/29/2024	Sb-125	-1.72E+01	1.20E+01	3.45E+01	U
TG	08	678795001	07/29/2024	Se-75	-3.00E+00	5.35E+00	1.78E+01	U
TG	08	678795001	07/29/2024	Th-228	-6.54E+00	9.10E+00	2.72E+01	U
TG	08	678795001	07/29/2024	Th-230	0.00E+00	1.74E+01	2.76E+01	U
TG	08	678795001	07/29/2024	Zn-65	1.32E-02	1.12E+01	3.69E+01	U
TG	08	678795001	07/29/2024	Zr-95	5.50E+00	8.65E+00	3.01E+01	U
TG	08	682558001	08/20/2024	Ac-228	3.19E+01	4.82E+01	7.71E+01	U
TG	08	682558001	08/20/2024	Ag-108m	-2.80E-01	4.01E+00	1.34E+01	U
TG	08	682558001	08/20/2024	Ag-110m	-2.71E-01	6.81E+00	2.17E+01	U
TG	08	682558001	08/20/2024	Ba-140	0.00E+00	5.61E+01	1.14E+02	U
TG	08	682558001	08/20/2024	Be-7	1.49E+03	1.31E+02	1.36E+02	
TG	08	682558001	08/20/2024	Ce-141	-1.04E+01	8.53E+00	2.52E+01	U
TG	08	682558001	08/20/2024	Ce-144	1.28E+01	2.56E+01	8.17E+01	U
TG	08	682558001	08/20/2024	Co-57	2.09E+00	3.36E+00	1.08E+01	U
TG	08	682558001	08/20/2024	Co-58	-2.02E+00	5.33E+00	1.68E+01	U
TG	08	682558001	08/20/2024	Co-60	3.52E+00	5.02E+00	1.71E+01	U
TG	08	682558001	08/20/2024	Cr-51	-4.37E+00	4.64E+01	1.57E+02	U
TG	08	682558001	08/20/2024	Cs-134	6.46E+00	5.24E+00	1.70E+01	U
TG	08	682558001	08/20/2024	Cs-137	9.52E+00	5.92E+00	1.88E+01	U
TG	08	682558001	08/20/2024	Fe-59	-2.10E+01	1.23E+01	3.52E+01	U
TG	08	682558001	08/20/2024	I-131	1.92E+01	1.36E+01	4.49E+01	U
TG	08	682558001	08/20/2024	K-40	2.72E+03	2.32E+02	1.42E+02	
TG	08	682558001	08/20/2024	La-140	-1.63E+01	1.13E+01	3.20E+01	U
TG	08	682558001	08/20/2024	Mn-54	1.50E+00	5.00E+00	1.62E+01	U
TG	08	682558001	08/20/2024	Nb-95	-3.76E-01	5.49E+00	1.77E+01	U
TG	08	682558001	08/20/2024	Ru-103	2.80E+00	5.24E+00	1.75E+01	U
TG	08	682558001	08/20/2024	Ru-106	4.29E+00	4.56E+01	1.50E+02	U
TG	08	682558001	08/20/2024	Sb-124	-3.77E-02	1.09E+01	3.57E+01	U
TG	08	682558001	08/20/2024	Sb-125	-3.70E+00	1.24E+01	4.10E+01	U
TG	08	682558001	08/20/2024	Se-75	-8.83E-01	5.68E+00	1.94E+01	U
TG	08	682558001	08/20/2024	Th-228	3.84E+00	2.12E+01	2.45E+01	U
TG	08	682558001	08/20/2024	Th-230	2.04E+01	2.52E+01	3.26E+01	U
TG	08	682558001	08/20/2024	Zn-65	-1.13E+01	1.23E+01	3.39E+01	U
TG	08	682558001	08/20/2024	Zr-95	-9.30E+00	9.84E+00	2.98E+01	U
TG	08	686843001	09/17/2024	Ac-228	0.00E+00	7.75E+01	1.14E+02	U
TG	08	686843001	09/17/2024	Ag-108m	8.22E+00	8.00E+00	2.56E+01	U
TG	08	686843001	09/17/2024	Ag-110m	9.78E+00	1.46E+01	4.38E+01	U
TG	08	686843001	09/17/2024	Ba-140	6.37E+01	5.07E+01	1.69E+02	U
TG	08	686843001	09/17/2024	Be-7	1.75E+03	1.97E+02	2.49E+02	
TG	08	686843001	09/17/2024	Ce-141	0.00E+00	2.85E+01	3.70E+01	U
TG	08	686843001	09/17/2024	Ce-144	-1.70E+01	4.30E+01	1.36E+02	U
TG	08	686843001	09/17/2024	Co-57	1.28E+00	5.55E+00	1.81E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	686843001	09/17/2024	Co-58	2.87E+00	9.51E+00	3.16E+01	U
TG	08	686843001	09/17/2024	Co-60	-1.70E+01	1.15E+01	3.32E+01	U
TG	08	686843001	09/17/2024	Cr-51	-1.91E+01	7.91E+01	2.57E+02	U
TG	08	686843001	09/17/2024	Cs-134	-2.95E+00	1.13E+01	3.10E+01	U
TG	08	686843001	09/17/2024	Cs-137	1.63E+01	1.06E+01	3.43E+01	U
TG	08	686843001	09/17/2024	Fe-59	-3.74E+00	2.63E+01	7.37E+01	U
TG	08	686843001	09/17/2024	I-131	-1.23E+01	1.76E+01	5.49E+01	U
TG	08	686843001	09/17/2024	K-40	0.00E+00	4.22E+02	3.14E+02	U
TG	08	686843001	09/17/2024	La-140	3.18E-01	1.77E+01	5.82E+01	U
TG	08	686843001	09/17/2024	Mn-54	1.11E+01	1.02E+01	3.47E+01	U
TG	08	686843001	09/17/2024	Nb-95	6.83E+00	1.04E+01	3.39E+01	U
TG	08	686843001	09/17/2024	Ru-103	1.47E+01	9.77E+00	3.23E+01	U
TG	08	686843001	09/17/2024	Ru-106	2.90E+01	8.69E+01	2.88E+02	U
TG	08	686843001	09/17/2024	Sb-124	5.61E+01	2.85E+01	9.41E+01	U
TG	08	686843001	09/17/2024	Sb-125	1.30E+00	2.37E+01	7.55E+01	U
TG	08	686843001	09/17/2024	Se-75	-2.57E+01	1.82E+01	3.49E+01	U
TG	08	686843001	09/17/2024	Th-228	-1.56E+01	2.79E+01	5.90E+01	U
TG	08	686843001	09/17/2024	Th-230	-6.00E+01	4.31E+01	6.64E+01	U
TG	08	686843001	09/17/2024	Zn-65	-4.60E+01	2.47E+01	6.48E+01	U
TG	08	686843001	09/17/2024	Zr-95	-9.54E+00	1.88E+01	5.90E+01	U
TG	09	669567002	05/29/2024	Ac-228	3.36E+01	4.55E+01	8.69E+01	U
TG	09	669567002	05/29/2024	Ag-108m	1.60E-01	4.80E+00	1.59E+01	U
TG	09	669567002	05/29/2024	Ag-110m	7.11E+00	7.51E+00	2.64E+01	U
TG	09	669567002	05/29/2024	Ba-140	-1.61E+01	2.65E+01	8.24E+01	U
TG	09	669567002	05/29/2024	Be-7	6.19E+02	1.13E+02	1.29E+02	U
TG	09	669567002	05/29/2024	Ce-141	-1.42E+01	8.86E+00	2.42E+01	U
TG	09	669567002	05/29/2024	Ce-144	-3.45E+01	3.08E+01	9.00E+01	U
TG	09	669567002	05/29/2024	Co-57	2.84E+00	3.65E+00	1.19E+01	U
TG	09	669567002	05/29/2024	Co-58	9.49E+00	5.74E+00	1.92E+01	U
TG	09	669567002	05/29/2024	Co-60	-4.57E+00	5.59E+00	1.64E+01	U
TG	09	669567002	05/29/2024	Cr-51	-1.37E+01	4.46E+01	1.48E+02	U
TG	09	669567002	05/29/2024	Cs-134	-5.51E+00	6.90E+00	2.02E+01	U
TG	09	669567002	05/29/2024	Cs-137	2.05E+00	6.01E+00	1.97E+01	U
TG	09	669567002	05/29/2024	Fe-59	-7.04E+00	1.34E+01	4.26E+01	U
TG	09	669567002	05/29/2024	I-131	1.48E+01	9.27E+00	3.11E+01	U
TG	09	669567002	05/29/2024	K-40	4.48E+03	3.39E+02	1.50E+02	U
TG	09	669567002	05/29/2024	La-140	1.73E+01	8.25E+00	2.96E+01	U
TG	09	669567002	05/29/2024	Mn-54	-3.14E+00	5.73E+00	1.87E+01	U
TG	09	669567002	05/29/2024	Nb-95	2.14E+00	6.08E+00	1.98E+01	U
TG	09	669567002	05/29/2024	Ru-103	-9.36E-01	5.08E+00	1.65E+01	U
TG	09	669567002	05/29/2024	Ru-106	-5.91E+01	5.85E+01	1.72E+02	U
TG	09	669567002	05/29/2024	Sb-124	1.35E+01	1.06E+01	3.92E+01	U
TG	09	669567002	05/29/2024	Sb-125	-1.07E+01	1.44E+01	4.51E+01	U
TG	09	669567002	05/29/2024	Se-75	-4.82E+00	7.07E+00	2.06E+01	U
TG	09	669567002	05/29/2024	Th-228	-2.43E+01	1.42E+01	3.53E+01	U
TG	09	669567002	05/29/2024	Th-230	3.33E+01	2.57E+01	4.57E+01	U
TG	09	669567002	05/29/2024	Zn-65	2.24E+01	1.48E+01	5.07E+01	U
TG	09	669567002	05/29/2024	Zr-95	-4.46E+00	1.09E+01	2.92E+01	U
TG	09	691027002	10/16/2024	Ac-228	-2.18E+01	3.21E+01	9.68E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	691027002	10/16/2024	Ag-108m	9.46E-01	4.34E+00	1.45E+01	U
TG	09	691027002	10/16/2024	Ag-110m	1.31E+01	8.90E+00	2.34E+01	U
TG	09	691027002	10/16/2024	Ba-140	1.22E+01	2.65E+01	8.76E+01	U
TG	09	691027002	10/16/2024	Be-7	6.96E+02	1.12E+02	1.57E+02	
TG	09	691027002	10/16/2024	Ce-141	-1.78E+01	1.18E+01	2.57E+01	U
TG	09	691027002	10/16/2024	Ce-144	2.11E+01	2.89E+01	9.56E+01	U
TG	09	691027002	10/16/2024	Co-57	-2.54E+00	3.68E+00	1.18E+01	U
TG	09	691027002	10/16/2024	Co-58	4.49E+00	5.17E+00	1.78E+01	U
TG	09	691027002	10/16/2024	Co-60	5.98E+00	5.90E+00	1.81E+01	U
TG	09	691027002	10/16/2024	Cr-51	-1.55E+01	4.39E+01	1.47E+02	U
TG	09	691027002	10/16/2024	Cs-134	6.98E+00	6.14E+00	2.11E+01	U
TG	09	691027002	10/16/2024	Cs-137	-8.93E+00	6.09E+00	1.68E+01	U
TG	09	691027002	10/16/2024	Fe-59	2.20E+01	1.29E+01	4.28E+01	U
TG	09	691027002	10/16/2024	I-131	-1.28E+01	9.24E+00	2.79E+01	U
TG	09	691027002	10/16/2024	K-40	4.10E+03	3.21E+02	1.82E+02	
TG	09	691027002	10/16/2024	La-140	-5.93E+00	9.96E+00	2.64E+01	U
TG	09	691027002	10/16/2024	Mn-54	5.93E+00	5.19E+00	1.78E+01	U
TG	09	691027002	10/16/2024	Nb-95	-8.67E+00	8.70E+00	1.90E+01	U
TG	09	691027002	10/16/2024	Ru-103	8.26E+00	5.78E+00	1.90E+01	U
TG	09	691027002	10/16/2024	Ru-106	-2.72E+01	4.71E+01	1.45E+02	U
TG	09	691027002	10/16/2024	Sb-124	-1.52E+00	1.48E+01	4.87E+01	U
TG	09	691027002	10/16/2024	Sb-125	2.09E+01	1.46E+01	4.82E+01	U
TG	09	691027002	10/16/2024	Se-75	9.27E+00	7.31E+00	2.28E+01	U
TG	09	691027002	10/16/2024	Th-228	2.93E+01	1.93E+01	3.65E+01	U
TG	09	691027002	10/16/2024	Th-230	2.47E+01	2.33E+01	4.99E+01	U
TG	09	691027002	10/16/2024	Zn-65	2.54E+01	2.81E+01	4.83E+01	U
TG	09	691027002	10/16/2024	Zr-95	2.21E+01	1.12E+01	3.70E+01	U
TG	09	673595002	06/25/2024	Ac-228	5.57E+01	3.86E+01	1.05E+02	U
TG	09	673595002	06/25/2024	Ag-108m	2.14E+00	4.45E+00	1.52E+01	U
TG	09	673595002	06/25/2024	Ag-110m	-1.35E+01	8.88E+00	2.39E+01	U
TG	09	673595002	06/25/2024	Ba-140	-2.42E+01	3.76E+01	1.11E+02	U
TG	09	673595002	06/25/2024	Be-7	5.69E+02	9.13E+01	1.61E+02	
TG	09	673595002	06/25/2024	Ce-141	-1.85E+01	9.97E+00	2.48E+01	U
TG	09	673595002	06/25/2024	Ce-144	-4.25E+01	3.48E+01	9.87E+01	U
TG	09	673595002	06/25/2024	Co-57	2.59E+00	3.53E+00	1.16E+01	U
TG	09	673595002	06/25/2024	Co-58	-2.84E+00	6.71E+00	2.02E+01	U
TG	09	673595002	06/25/2024	Co-60	-8.82E+00	7.37E+00	1.96E+01	U
TG	09	673595002	06/25/2024	Cr-51	-3.75E+01	5.43E+01	1.73E+02	U
TG	09	673595002	06/25/2024	Cs-134	9.16E+00	6.42E+00	2.23E+01	U
TG	09	673595002	06/25/2024	Cs-137	-1.86E+00	5.93E+00	1.80E+01	U
TG	09	673595002	06/25/2024	Fe-59	-5.94E+00	1.18E+01	3.68E+01	U
TG	09	673595002	06/25/2024	I-131	2.05E+01	1.35E+01	4.65E+01	U
TG	09	673595002	06/25/2024	K-40	4.67E+03	3.95E+02	2.19E+02	
TG	09	673595002	06/25/2024	La-140	1.57E+01	8.34E+00	3.49E+01	U
TG	09	673595002	06/25/2024	Mn-54	-4.70E+00	6.75E+00	2.15E+01	U
TG	09	673595002	06/25/2024	Nb-95	1.30E+01	7.59E+00	2.57E+01	U
TG	09	673595002	06/25/2024	Ru-103	-2.09E+00	5.99E+00	1.91E+01	U
TG	09	673595002	06/25/2024	Ru-106	-7.73E+01	6.88E+01	1.97E+02	U
TG	09	673595002	06/25/2024	Sb-124	6.61E+00	1.79E+01	6.04E+01	U
TG	09	673595002	06/25/2024	Sb-125	2.12E+01	1.61E+01	5.54E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	673595002	06/25/2024	Se-75	-7.36E+00	6.86E+00	2.12E+01	U
TG	09	673595002	06/25/2024	Th-228	1.85E+00	1.10E+01	3.74E+01	U
TG	09	673595002	06/25/2024	Th-230	2.63E+01	1.94E+01	4.41E+01	U
TG	09	673595002	06/25/2024	Zn-65	3.82E-01	1.50E+01	5.02E+01	U
TG	09	673595002	06/25/2024	Zr-95	-1.21E+01	1.24E+01	3.47E+01	U
TG	09	678795002	07/29/2024	Ac-228	1.15E+01	4.25E+01	8.29E+01	U
TG	09	678795002	07/29/2024	Ag-108m	7.28E+00	6.49E+00	1.22E+01	U
TG	09	678795002	07/29/2024	Ag-110m	-1.75E+00	7.13E+00	2.24E+01	U
TG	09	678795002	07/29/2024	Ba-140	-2.63E+01	3.25E+01	1.01E+02	U
TG	09	678795002	07/29/2024	Be-7	4.51E+02	1.06E+02	1.24E+02	
TG	09	678795002	07/29/2024	Ce-141	-2.44E+00	8.31E+00	2.66E+01	U
TG	09	678795002	07/29/2024	Ce-144	1.90E+01	2.72E+01	8.96E+01	U
TG	09	678795002	07/29/2024	Co-57	5.63E+00	3.85E+00	1.25E+01	U
TG	09	678795002	07/29/2024	Co-58	-7.16E-01	5.57E+00	1.79E+01	U
TG	09	678795002	07/29/2024	Co-60	-9.73E+00	5.59E+00	1.38E+01	U
TG	09	678795002	07/29/2024	Cr-51	1.86E+00	4.55E+01	1.57E+02	U
TG	09	678795002	07/29/2024	Cs-134	-7.49E-01	5.49E+00	1.76E+01	U
TG	09	678795002	07/29/2024	Cs-137	-3.19E-01	4.57E+00	1.49E+01	U
TG	09	678795002	07/29/2024	Fe-59	-1.27E+01	1.19E+01	3.60E+01	U
TG	09	678795002	07/29/2024	I-131	-2.33E+00	1.31E+01	4.42E+01	U
TG	09	678795002	07/29/2024	K-40	4.81E+03	3.42E+02	1.51E+02	
TG	09	678795002	07/29/2024	La-140	-8.20E+00	1.12E+01	3.16E+01	U
TG	09	678795002	07/29/2024	Mn-54	-2.29E+00	4.76E+00	1.47E+01	U
TG	09	678795002	07/29/2024	Nb-95	-6.84E+00	5.22E+00	1.44E+01	U
TG	09	678795002	07/29/2024	Ru-103	-4.79E-02	4.75E+00	1.59E+01	U
TG	09	678795002	07/29/2024	Ru-106	-4.55E+01	3.91E+01	1.13E+02	U
TG	09	678795002	07/29/2024	Sb-124	-6.15E+00	1.09E+01	3.27E+01	U
TG	09	678795002	07/29/2024	Sb-125	5.05E+00	1.18E+01	3.67E+01	U
TG	09	678795002	07/29/2024	Se-75	-5.55E-01	5.85E+00	1.83E+01	U
TG	09	678795002	07/29/2024	Th-228	2.40E+01	1.79E+01	3.22E+01	U
TG	09	678795002	07/29/2024	Th-230	1.59E+01	2.07E+01	4.23E+01	U
TG	09	678795002	07/29/2024	Zn-65	-2.74E+01	1.36E+01	3.41E+01	U
TG	09	678795002	07/29/2024	Zr-95	5.28E+00	8.79E+00	2.96E+01	U
TG	09	682558002	08/20/2024	Ac-228	0.00E+00	7.83E+01	8.51E+01	U
TG	09	682558002	08/20/2024	Ag-108m	1.65E+00	5.97E+00	1.99E+01	U
TG	09	682558002	08/20/2024	Ag-110m	-1.87E+01	1.05E+01	3.00E+01	U
TG	09	682558002	08/20/2024	Ba-140	-2.90E+01	4.45E+01	1.41E+02	U
TG	09	682558002	08/20/2024	Be-7	1.24E+03	1.64E+02	2.13E+02	
TG	09	682558002	08/20/2024	Ce-141	-2.79E+01	2.34E+01	3.50E+01	U
TG	09	682558002	08/20/2024	Ce-144	-1.91E+01	3.87E+01	1.26E+02	U
TG	09	682558002	08/20/2024	Co-57	1.60E+00	4.70E+00	1.56E+01	U
TG	09	682558002	08/20/2024	Co-58	5.39E+00	7.11E+00	2.41E+01	U
TG	09	682558002	08/20/2024	Co-60	-5.18E+00	8.39E+00	2.60E+01	U
TG	09	682558002	08/20/2024	Cr-51	-1.09E+02	7.20E+01	2.23E+02	U
TG	09	682558002	08/20/2024	Cs-134	9.99E-01	7.70E+00	2.61E+01	U
TG	09	682558002	08/20/2024	Cs-137	3.54E+00	7.27E+00	2.34E+01	U
TG	09	682558002	08/20/2024	Fe-59	-2.03E+01	1.63E+01	4.86E+01	U
TG	09	682558002	08/20/2024	I-131	2.72E+01	1.84E+01	5.99E+01	U
TG	09	682558002	08/20/2024	K-40	3.49E+03	3.50E+02	2.26E+02	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	682558002	08/20/2024	La-140	-1.05E+01	1.54E+01	4.93E+01	U
TG	09	682558002	08/20/2024	Mn-54	3.88E-01	6.90E+00	2.32E+01	U
TG	09	682558002	08/20/2024	Nb-95	7.11E+00	7.61E+00	2.58E+01	U
TG	09	682558002	08/20/2024	Ru-103	-9.43E+00	7.70E+00	2.35E+01	U
TG	09	682558002	08/20/2024	Ru-106	-4.75E+01	6.32E+01	1.96E+02	U
TG	09	682558002	08/20/2024	Sb-124	2.05E+01	1.67E+01	5.67E+01	U
TG	09	682558002	08/20/2024	Sb-125	2.99E+00	1.82E+01	6.08E+01	U
TG	09	682558002	08/20/2024	Se-75	-1.04E+01	1.56E+01	2.95E+01	U
TG	09	682558002	08/20/2024	Th-228	3.51E+01	3.08E+01	4.67E+01	U
TG	09	682558002	08/20/2024	Th-230	0.00E+00	5.03E+01	6.16E+01	U
TG	09	682558002	08/20/2024	Zn-65	1.86E+01	1.56E+01	5.13E+01	U
TG	09	682558002	08/20/2024	Zr-95	1.36E+01	1.33E+01	4.49E+01	U
TG	09	686843002	09/17/2024	Ac-228	-6.03E+01	5.70E+01	1.60E+02	U
TG	09	686843002	09/17/2024	Ag-108m	1.04E+01	8.37E+00	2.82E+01	U
TG	09	686843002	09/17/2024	Ag-110m	2.67E+00	1.37E+01	4.42E+01	U
TG	09	686843002	09/17/2024	Ba-140	-9.43E+01	7.22E+01	1.74E+02	U
TG	09	686843002	09/17/2024	Be-7	1.21E+03	1.87E+02	2.24E+02	
TG	09	686843002	09/17/2024	Ce-141	2.26E+00	1.50E+01	4.40E+01	U
TG	09	686843002	09/17/2024	Ce-144	5.81E+01	5.09E+01	1.63E+02	U
TG	09	686843002	09/17/2024	Co-57	1.30E-01	6.27E+00	2.00E+01	U
TG	09	686843002	09/17/2024	Co-58	-3.15E-01	1.01E+01	3.10E+01	U
TG	09	686843002	09/17/2024	Co-60	5.41E+00	1.07E+01	3.69E+01	U
TG	09	686843002	09/17/2024	Cr-51	1.39E+02	8.85E+01	2.95E+02	U
TG	09	686843002	09/17/2024	Cs-134	-4.33E+00	1.03E+01	3.20E+01	U
TG	09	686843002	09/17/2024	Cs-137	6.18E+00	1.06E+01	3.55E+01	U
TG	09	686843002	09/17/2024	Fe-59	1.68E+01	2.12E+01	7.38E+01	U
TG	09	686843002	09/17/2024	I-131	-1.26E+00	1.71E+01	5.75E+01	U
TG	09	686843002	09/17/2024	K-40	4.90E+03	4.27E+02	3.96E+02	
TG	09	686843002	09/17/2024	La-140	9.20E-02	1.38E+01	4.57E+01	U
TG	09	686843002	09/17/2024	Mn-54	2.69E+01	1.17E+01	3.48E+01	U
TG	09	686843002	09/17/2024	Nb-95	-2.69E+00	1.09E+01	3.47E+01	U
TG	09	686843002	09/17/2024	Ru-103	-1.59E+01	9.80E+00	2.72E+01	U
TG	09	686843002	09/17/2024	Ru-106	8.19E+01	1.00E+02	3.34E+02	U
TG	09	686843002	09/17/2024	Sb-124	-2.98E+01	2.35E+01	6.29E+01	U
TG	09	686843002	09/17/2024	Sb-125	-9.55E+00	2.42E+01	7.93E+01	U
TG	09	686843002	09/17/2024	Se-75	2.56E+00	1.04E+01	3.57E+01	U
TG	09	686843002	09/17/2024	Th-228	3.19E+01	3.63E+01	6.61E+01	U
TG	09	686843002	09/17/2024	Th-230	0.00E+00	5.23E+01	7.43E+01	U
TG	09	686843002	09/17/2024	Zn-65	-3.21E+00	1.98E+01	6.61E+01	U
TG	09	686843002	09/17/2024	Zr-95	7.16E+00	1.84E+01	6.06E+01	U
TG	10	669567003	05/29/2024	Ac-228	9.87E+01	3.03E+01	4.33E+01	
TG	10	669567003	05/29/2024	Ag-108m	-7.97E-01	3.08E+00	1.01E+01	U
TG	10	669567003	05/29/2024	Ag-110m	4.39E+00	5.85E+00	1.92E+01	U
TG	10	669567003	05/29/2024	Ba-140	-9.57E+00	1.95E+01	6.20E+01	U
TG	10	669567003	05/29/2024	Be-7	2.66E+02	6.44E+01	9.76E+01	
TG	10	669567003	05/29/2024	Ce-141	7.45E+00	9.74E+00	1.80E+01	U
TG	10	669567003	05/29/2024	Ce-144	-3.13E+01	2.25E+01	6.45E+01	U
TG	10	669567003	05/29/2024	Co-57	2.83E+00	2.76E+00	8.95E+00	U
TG	10	669567003	05/29/2024	Co-58	7.54E-01	4.03E+00	1.30E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	669567003	05/29/2024	Co-60	4.00E-01	4.12E+00	1.38E+01	U
TG	10	669567003	05/29/2024	Cr-51	-1.37E+01	3.16E+01	1.05E+02	U
TG	10	669567003	05/29/2024	Cs-134	9.43E+00	5.27E+00	1.60E+01	U
TG	10	669567003	05/29/2024	Cs-137	3.86E+00	4.66E+00	1.55E+01	U
TG	10	669567003	05/29/2024	Fe-59	5.83E+00	8.45E+00	2.93E+01	U
TG	10	669567003	05/29/2024	I-131	3.38E+00	5.95E+00	2.04E+01	U
TG	10	669567003	05/29/2024	K-40	4.63E+03	3.00E+02	1.12E+02	
TG	10	669567003	05/29/2024	La-140	8.67E-02	4.45E+00	1.46E+01	U
TG	10	669567003	05/29/2024	Mn-54	1.59E+00	4.26E+00	1.39E+01	U
TG	10	669567003	05/29/2024	Nb-95	-2.77E+00	4.32E+00	1.16E+01	U
TG	10	669567003	05/29/2024	Ru-103	-7.16E+00	3.90E+00	1.03E+01	U
TG	10	669567003	05/29/2024	Ru-106	-2.72E+01	3.73E+01	1.15E+02	U
TG	10	669567003	05/29/2024	Sb-124	-8.95E+00	1.41E+01	3.30E+01	U
TG	10	669567003	05/29/2024	Sb-125	-4.51E+00	1.18E+01	3.29E+01	U
TG	10	669567003	05/29/2024	Se-75	7.59E+00	5.12E+00	1.67E+01	U
TG	10	669567003	05/29/2024	Th-228	0.00E+00	1.61E+01	1.91E+01	U
TG	10	669567003	05/29/2024	Th-230	8.43E+00	1.83E+01	3.18E+01	U
TG	10	669567003	05/29/2024	Zn-65	-2.03E+01	1.39E+01	3.30E+01	U
TG	10	669567003	05/29/2024	Zr-95	-6.80E+00	7.75E+00	2.30E+01	U
TG	10	691027003	10/16/2024	Ac-228	0.00E+00	5.00E+01	5.51E+01	U
TG	10	691027003	10/16/2024	Ag-108m	-3.18E+00	4.75E+00	1.20E+01	U
TG	10	691027003	10/16/2024	Ag-110m	8.78E-01	6.00E+00	1.94E+01	U
TG	10	691027003	10/16/2024	Ba-140	-5.62E+01	2.83E+01	6.24E+01	U
TG	10	691027003	10/16/2024	Be-7	6.51E+02	8.11E+01	1.28E+02	
TG	10	691027003	10/16/2024	Ce-141	-9.74E+00	7.21E+00	2.11E+01	U
TG	10	691027003	10/16/2024	Ce-144	1.41E+01	2.36E+01	7.79E+01	U
TG	10	691027003	10/16/2024	Co-57	3.80E-01	3.38E+00	1.11E+01	U
TG	10	691027003	10/16/2024	Co-58	-3.29E+00	4.42E+00	1.33E+01	U
TG	10	691027003	10/16/2024	Co-60	-6.98E+00	5.24E+00	1.47E+01	U
TG	10	691027003	10/16/2024	Cr-51	4.17E+01	3.79E+01	1.31E+02	U
TG	10	691027003	10/16/2024	Cs-134	7.38E+00	4.88E+00	1.63E+01	U
TG	10	691027003	10/16/2024	Cs-137	1.76E+01	6.53E+00	1.83E+01	U
TG	10	691027003	10/16/2024	Fe-59	-6.81E-01	1.02E+01	3.44E+01	U
TG	10	691027003	10/16/2024	I-131	1.11E+01	7.76E+00	2.64E+01	U
TG	10	691027003	10/16/2024	K-40	3.89E+03	2.87E+02	1.27E+02	
TG	10	691027003	10/16/2024	La-140	-3.27E+00	7.37E+00	2.30E+01	U
TG	10	691027003	10/16/2024	Mn-54	3.39E+00	5.27E+00	1.73E+01	U
TG	10	691027003	10/16/2024	Nb-95	8.31E+00	5.40E+00	1.64E+01	U
TG	10	691027003	10/16/2024	Ru-103	8.96E-02	4.05E+00	1.35E+01	U
TG	10	691027003	10/16/2024	Ru-106	3.28E+01	4.49E+01	1.22E+02	U
TG	10	691027003	10/16/2024	Sb-124	7.05E+00	1.02E+01	3.52E+01	U
TG	10	691027003	10/16/2024	Sb-125	4.64E+00	1.11E+01	3.43E+01	U
TG	10	691027003	10/16/2024	Se-75	-9.53E-01	5.75E+00	1.79E+01	U
TG	10	691027003	10/16/2024	Th-228	0.00E+00	1.59E+01	3.35E+01	U
TG	10	691027003	10/16/2024	Th-230	0.00E+00	1.82E+01	3.02E+01	U
TG	10	691027003	10/16/2024	Zn-65	-1.95E+01	1.08E+01	2.84E+01	U
TG	10	691027003	10/16/2024	Zr-95	-4.99E+00	7.96E+00	2.44E+01	U
TG	10	673595003	06/25/2024	Ac-228	3.13E+01	3.32E+01	9.71E+01	U
TG	10	673595003	06/25/2024	Ag-108m	3.71E+00	3.86E+00	1.32E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	673595003	06/25/2024	Ag-110m	9.02E+00	6.94E+00	2.46E+01	U
TG	10	673595003	06/25/2024	Ba-140	-8.32E+00	2.88E+01	9.14E+01	U
TG	10	673595003	06/25/2024	Be-7	6.41E+02	9.11E+01	1.34E+02	
TG	10	673595003	06/25/2024	Ce-141	-9.12E+00	8.88E+00	2.42E+01	U
TG	10	673595003	06/25/2024	Ce-144	-4.87E+00	2.59E+01	8.24E+01	U
TG	10	673595003	06/25/2024	Co-57	1.08E+00	3.38E+00	1.11E+01	U
TG	10	673595003	06/25/2024	Co-58	-3.21E+00	5.50E+00	1.76E+01	U
TG	10	673595003	06/25/2024	Co-60	4.91E-02	6.48E+00	2.10E+01	U
TG	10	673595003	06/25/2024	Cr-51	-2.73E+01	4.60E+01	1.49E+02	U
TG	10	673595003	06/25/2024	Cs-134	1.91E+01	7.43E+00	1.95E+01	U
TG	10	673595003	06/25/2024	Cs-137	8.45E+00	5.35E+00	1.81E+01	U
TG	10	673595003	06/25/2024	Fe-59	-6.57E+00	1.35E+01	4.24E+01	U
TG	10	673595003	06/25/2024	I-131	2.30E+01	1.34E+01	4.48E+01	U
TG	10	673595003	06/25/2024	K-40	4.42E+03	3.22E+02	1.97E+02	
TG	10	673595003	06/25/2024	La-140	-4.87E+00	1.05E+01	3.34E+01	U
TG	10	673595003	06/25/2024	Mn-54	4.39E+00	5.39E+00	1.88E+01	U
TG	10	673595003	06/25/2024	Nb-95	4.12E+00	5.26E+00	1.85E+01	U
TG	10	673595003	06/25/2024	Ru-103	-4.79E+00	5.51E+00	1.66E+01	U
TG	10	673595003	06/25/2024	Ru-106	-7.21E+01	4.77E+01	1.24E+02	U
TG	10	673595003	06/25/2024	Sb-124	2.06E+00	1.24E+01	4.24E+01	U
TG	10	673595003	06/25/2024	Sb-125	3.40E-01	1.06E+01	3.51E+01	U
TG	10	673595003	06/25/2024	Se-75	-5.72E+00	5.73E+00	1.81E+01	U
TG	10	673595003	06/25/2024	Th-228	3.92E+00	1.12E+01	2.96E+01	U
TG	10	673595003	06/25/2024	Th-230	0.00E+00	2.16E+01	4.53E+01	U
TG	10	673595003	06/25/2024	Zn-65	3.58E+00	1.23E+01	4.14E+01	U
TG	10	673595003	06/25/2024	Zr-95	2.35E+00	8.96E+00	3.10E+01	U
TG	10	678795003	07/29/2024	Ac-228	4.97E+01	3.63E+01	9.96E+01	U
TG	10	678795003	07/29/2024	Ag-108m	1.04E+00	4.74E+00	1.59E+01	U
TG	10	678795003	07/29/2024	Ag-110m	-2.65E+00	7.10E+00	2.31E+01	U
TG	10	678795003	07/29/2024	Ba-140	-6.01E+01	4.41E+01	1.27E+02	U
TG	10	678795003	07/29/2024	Be-7	1.69E+03	1.57E+02	1.63E+02	
TG	10	678795003	07/29/2024	Ce-141	-1.30E+01	1.17E+01	3.04E+01	U
TG	10	678795003	07/29/2024	Ce-144	7.85E+00	2.94E+01	9.72E+01	U
TG	10	678795003	07/29/2024	Co-57	-5.57E+00	3.99E+00	1.19E+01	U
TG	10	678795003	07/29/2024	Co-58	1.13E+00	5.28E+00	1.80E+01	U
TG	10	678795003	07/29/2024	Co-60	6.58E+00	6.08E+00	2.07E+01	U
TG	10	678795003	07/29/2024	Cr-51	8.44E+01	6.05E+01	2.04E+02	U
TG	10	678795003	07/29/2024	Cs-134	-4.75E+00	6.06E+00	1.93E+01	U
TG	10	678795003	07/29/2024	Cs-137	0.00E+00	1.16E+01	1.74E+01	U
TG	10	678795003	07/29/2024	Fe-59	2.18E+01	9.40E+00	4.48E+01	U
TG	10	678795003	07/29/2024	I-131	1.24E+01	1.58E+01	5.41E+01	U
TG	10	678795003	07/29/2024	K-40	3.58E+03	3.15E+02	1.51E+02	
TG	10	678795003	07/29/2024	La-140	1.44E+01	1.45E+01	5.07E+01	U
TG	10	678795003	07/29/2024	Mn-54	5.59E+00	5.39E+00	1.86E+01	U
TG	10	678795003	07/29/2024	Nb-95	-3.20E+00	5.54E+00	1.80E+01	U
TG	10	678795003	07/29/2024	Ru-103	-9.07E+00	6.53E+00	1.88E+01	U
TG	10	678795003	07/29/2024	Ru-106	4.69E+01	4.61E+01	1.53E+02	U
TG	10	678795003	07/29/2024	Sb-124	1.09E+01	1.49E+01	5.20E+01	U
TG	10	678795003	07/29/2024	Sb-125	2.53E+01	2.31E+01	4.32E+01	U
TG	10	678795003	07/29/2024	Se-75	1.16E+01	7.72E+00	2.40E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	678795003	07/29/2024	Th-228	1.77E+01	1.53E+01	3.62E+01	U
TG	10	678795003	07/29/2024	Th-230	2.21E+01	2.34E+01	4.74E+01	U
TG	10	678795003	07/29/2024	Zn-65	2.92E+00	1.25E+01	4.15E+01	U
TG	10	678795003	07/29/2024	Zr-95	-1.20E+01	1.21E+01	3.41E+01	U
TG	10	682558003	08/20/2024	Ac-228	1.10E+01	4.50E+01	5.92E+01	U
TG	10	682558003	08/20/2024	Ag-108m	6.32E+00	6.02E+00	1.53E+01	U
TG	10	682558003	08/20/2024	Ag-110m	-8.80E+00	7.54E+00	2.23E+01	U
TG	10	682558003	08/20/2024	Ba-140	2.11E+01	3.06E+01	1.02E+02	U
TG	10	682558003	08/20/2024	Be-7	9.91E+02	1.08E+02	1.44E+02	
TG	10	682558003	08/20/2024	Ce-141	5.11E+00	8.29E+00	2.49E+01	U
TG	10	682558003	08/20/2024	Ce-144	3.67E+00	2.66E+01	8.67E+01	U
TG	10	682558003	08/20/2024	Co-57	-3.68E-01	3.39E+00	1.10E+01	U
TG	10	682558003	08/20/2024	Co-58	1.58E+00	5.18E+00	1.69E+01	U
TG	10	682558003	08/20/2024	Co-60	4.15E+00	4.74E+00	1.61E+01	U
TG	10	682558003	08/20/2024	Cr-51	-3.26E+01	4.66E+01	1.56E+02	U
TG	10	682558003	08/20/2024	Cs-134	4.60E+00	8.86E+00	2.04E+01	U
TG	10	682558003	08/20/2024	Cs-137	-1.11E+01	9.76E+00	1.63E+01	U
TG	10	682558003	08/20/2024	Fe-59	1.21E+01	1.02E+01	3.47E+01	U
TG	10	682558003	08/20/2024	I-131	-1.89E+00	1.21E+01	4.10E+01	U
TG	10	682558003	08/20/2024	K-40	3.37E+03	2.49E+02	1.38E+02	
TG	10	682558003	08/20/2024	La-140	9.77E+00	9.95E+00	3.03E+01	U
TG	10	682558003	08/20/2024	Mn-54	5.05E+00	5.35E+00	1.73E+01	U
TG	10	682558003	08/20/2024	Nb-95	7.55E+00	5.76E+00	1.85E+01	U
TG	10	682558003	08/20/2024	Ru-103	-5.31E+00	5.29E+00	1.68E+01	U
TG	10	682558003	08/20/2024	Ru-106	-3.29E+00	4.38E+01	1.44E+02	U
TG	10	682558003	08/20/2024	Sb-124	1.00E+01	1.07E+01	3.62E+01	U
TG	10	682558003	08/20/2024	Sb-125	2.67E+00	1.25E+01	4.23E+01	U
TG	10	682558003	08/20/2024	Se-75	2.49E+00	6.52E+00	2.05E+01	U
TG	10	682558003	08/20/2024	Th-228	0.00E+00	2.27E+01	3.18E+01	U
TG	10	682558003	08/20/2024	Th-230	-2.66E+01	2.66E+01	3.95E+01	U
TG	10	682558003	08/20/2024	Zn-65	7.89E+00	1.06E+01	3.24E+01	U
TG	10	682558003	08/20/2024	Zr-95	-9.15E-01	9.07E+00	2.94E+01	U
TG	10	686843003	09/17/2024	Ac-228	0.00E+00	1.10E+02	1.82E+02	U
TG	10	686843003	09/17/2024	Ag-108m	-2.74E+00	7.15E+00	2.40E+01	U
TG	10	686843003	09/17/2024	Ag-110m	-2.00E+00	1.18E+01	3.78E+01	U
TG	10	686843003	09/17/2024	Ba-140	-4.82E+01	4.95E+01	1.56E+02	U
TG	10	686843003	09/17/2024	Be-7	1.99E+03	2.14E+02	2.59E+02	
TG	10	686843003	09/17/2024	Ce-141	-1.89E+00	1.61E+01	4.93E+01	U
TG	10	686843003	09/17/2024	Ce-144	2.04E+01	5.25E+01	1.76E+02	U
TG	10	686843003	09/17/2024	Co-57	1.83E+00	7.00E+00	2.36E+01	U
TG	10	686843003	09/17/2024	Co-58	-1.91E+01	1.02E+01	2.62E+01	U
TG	10	686843003	09/17/2024	Co-60	-1.28E+01	9.78E+00	2.79E+01	U
TG	10	686843003	09/17/2024	Cr-51	1.59E+02	1.02E+02	3.00E+02	U
TG	10	686843003	09/17/2024	Cs-134	1.42E+01	1.09E+01	3.63E+01	U
TG	10	686843003	09/17/2024	Cs-137	1.42E+01	1.67E+01	2.00E+01	U
TG	10	686843003	09/17/2024	Fe-59	3.62E+01	2.15E+01	7.09E+01	U
TG	10	686843003	09/17/2024	I-131	-6.63E+01	3.09E+01	5.88E+01	U
TG	10	686843003	09/17/2024	K-40	4.25E+03	4.22E+02	2.54E+02	
TG	10	686843003	09/17/2024	La-140	1.16E+01	1.68E+01	5.28E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	686843003	09/17/2024	Mn-54	2.42E+01	1.10E+01	3.49E+01	U
TG	10	686843003	09/17/2024	Nb-95	3.65E+00	8.54E+00	2.86E+01	U
TG	10	686843003	09/17/2024	Ru-103	6.48E+00	1.03E+01	3.55E+01	U
TG	10	686843003	09/17/2024	Ru-106	1.04E+02	8.72E+01	2.95E+02	U
TG	10	686843003	09/17/2024	Sb-124	1.61E+01	2.24E+01	7.78E+01	U
TG	10	686843003	09/17/2024	Sb-125	3.01E+00	2.40E+01	8.25E+01	U
TG	10	686843003	09/17/2024	Se-75	7.14E+00	1.23E+01	3.98E+01	U
TG	10	686843003	09/17/2024	Th-228	2.60E+01	3.49E+01	6.74E+01	U
TG	10	686843003	09/17/2024	Th-230	-1.22E+01	3.01E+01	7.63E+01	U
TG	10	686843003	09/17/2024	Zn-65	-1.20E+00	2.01E+01	6.36E+01	U
TG	10	686843003	09/17/2024	Zr-95	-2.57E+00	1.48E+01	4.82E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	651682001	01/10/2024	Ac-228	-6.22E+00	3.91E+00	7.86E+00	U
TM	15	651682001	01/10/2024	Ag-108m	-9.27E-01	8.48E-01	1.61E+00	U
TM	15	651682001	01/10/2024	Ag-110m	5.38E-02	7.88E-01	2.54E+00	U
TM	15	651682001	01/10/2024	Ba-140	2.88E+00	2.82E+00	9.36E+00	U
TM	15	651682001	01/10/2024	Be-7	2.52E+00	4.60E+00	1.55E+01	U
TM	15	651682001	01/10/2024	Bi-214	-1.34E-01	1.78E+00	3.93E+00	U
TM	15	651682001	01/10/2024	Ce-141	-2.82E+00	1.53E+00	3.05E+00	U
TM	15	651682001	01/10/2024	Ce-144	-2.46E+00	3.52E+00	1.11E+01	U
TM	15	651682001	01/10/2024	Co-57	1.61E-01	5.32E-01	1.42E+00	U
TM	15	651682001	01/10/2024	Co-58	9.92E-01	6.37E-01	2.02E+00	U
TM	15	651682001	01/10/2024	Co-60	7.02E-02	5.52E-01	1.86E+00	U
TM	15	651682001	01/10/2024	Cr-51	2.87E-01	4.85E+00	1.67E+01	U
TM	15	651682001	01/10/2024	Cs-134	-7.26E-01	6.33E-01	1.90E+00	U
TM	15	651682001	01/10/2024	Cs-137	5.52E-01	5.77E-01	1.90E+00	U
TM	15	651682001	01/10/2024	Fe-59	-2.11E-01	1.22E+00	4.12E+00	U
TM	15	651682001	01/10/2024	I-131	-1.99E-01	2.12E-01	6.71E-01	U
TM	15	651682001	01/10/2024	K-40	1.92E+03	9.88E+01	1.52E+01	
TM	15	651682001	01/10/2024	La-140	-2.75E-01	8.30E-01	2.68E+00	U
TM	15	651682001	01/10/2024	Mn-54	9.92E-01	5.80E-01	1.82E+00	U
TM	15	651682001	01/10/2024	Nb-95	-1.12E+00	6.57E-01	1.85E+00	U
TM	15	651682001	01/10/2024	Pb-212	2.21E+00	1.98E+00	3.82E+00	U
TM	15	651682001	01/10/2024	Pb-214	-1.60E+00	1.70E+00	3.95E+00	U
TM	15	651682001	01/10/2024	Ru-103	-1.89E+00	7.12E-01	1.70E+00	U
TM	15	651682001	01/10/2024	Ru-106	-2.92E-01	4.69E+00	1.54E+01	U
TM	15	651682001	01/10/2024	Sb-124	-4.99E-01	1.08E+00	3.41E+00	U
TM	15	651682001	01/10/2024	Sb-125	2.44E+00	1.88E+00	4.73E+00	U
TM	15	651682001	01/10/2024	Se-75	-1.52E+00	8.54E-01	2.33E+00	U
TM	15	651682001	01/10/2024	Th-228	2.21E+00	1.98E+00	3.82E+00	U
TM	15	651682001	01/10/2024	Zn-65	4.33E-01	1.31E+00	4.47E+00	U
TM	15	651682001	01/10/2024	Zr-95	-2.95E-01	1.02E+00	3.26E+00	U
TM	15	655130001	02/08/2024	Ac-228	5.90E+00	3.24E+00	9.02E+00	U
TM	15	655130001	02/08/2024	Ag-108m	6.46E-01	5.77E-01	1.64E+00	U
TM	15	655130001	02/08/2024	Ag-110m	-2.48E-01	9.26E-01	2.98E+00	U
TM	15	655130001	02/08/2024	Ba-140	2.33E+00	3.61E+00	1.22E+01	U
TM	15	655130001	02/08/2024	Be-7	-1.18E+01	5.66E+00	1.57E+01	U
TM	15	655130001	02/08/2024	Bi-214	3.10E+00	2.71E+00	3.89E+00	U
TM	15	655130001	02/08/2024	Ce-141	2.62E+00	2.17E+00	3.54E+00	U
TM	15	655130001	02/08/2024	Ce-144	2.57E-02	3.85E+00	1.30E+01	U
TM	15	655130001	02/08/2024	Co-57	-1.55E-01	5.11E-01	1.72E+00	U
TM	15	655130001	02/08/2024	Co-58	8.53E-01	1.05E+00	1.98E+00	U
TM	15	655130001	02/08/2024	Co-60	9.75E-01	6.85E-01	2.28E+00	U
TM	15	655130001	02/08/2024	Cr-51	5.21E+00	6.21E+00	2.00E+01	U
TM	15	655130001	02/08/2024	Cs-134	1.27E+00	7.33E-01	2.32E+00	U
TM	15	655130001	02/08/2024	Cs-137	1.50E+00	7.69E-01	2.17E+00	U
TM	15	655130001	02/08/2024	Fe-59	7.66E-01	1.53E+00	5.22E+00	U
TM	15	655130001	02/08/2024	I-131	2.11E-01	2.46E-01	8.09E-01	U
TM	15	655130001	02/08/2024	K-40	1.47E+03	7.74E+01	1.55E+01	
TM	15	655130001	02/08/2024	La-140	4.09E-01	1.13E+00	3.43E+00	U
TM	15	655130001	02/08/2024	Mn-54	9.17E-01	7.42E-01	2.14E+00	U
TM	15	655130001	02/08/2024	Nb-95	-7.06E-02	1.10E+00	2.24E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	655130001	02/08/2024	Pb-212	2.77E+00	2.48E+00	4.41E+00	U
TM	15	655130001	02/08/2024	Pb-214	1.78E+00	2.60E+00	4.72E+00	U
TM	15	655130001	02/08/2024	Ru-103	-1.01E+00	7.01E-01	2.15E+00	U
TM	15	655130001	02/08/2024	Ru-106	-3.00E+00	5.60E+00	1.82E+01	U
TM	15	655130001	02/08/2024	Sb-124	4.66E-01	1.38E+00	4.56E+00	U
TM	15	655130001	02/08/2024	Sb-125	3.03E+00	1.96E+00	5.44E+00	U
TM	15	655130001	02/08/2024	Se-75	-7.70E-02	7.93E-01	2.58E+00	U
TM	15	655130001	02/08/2024	Th-228	2.77E+00	2.48E+00	4.41E+00	U
TM	15	655130001	02/08/2024	Zn-65	-7.32E-01	1.62E+00	5.38E+00	U
TM	15	655130001	02/08/2024	Zr-95	-3.81E-01	1.33E+00	3.76E+00	U
TM	15	660111001	03/20/2024	Ac-228	-7.80E+00	3.91E+00	8.25E+00	U
TM	15	660111001	03/20/2024	Ag-108m	-7.46E-02	4.79E-01	1.59E+00	U
TM	15	660111001	03/20/2024	Ag-110m	-1.95E+00	9.10E-01	2.22E+00	U
TM	15	660111001	03/20/2024	Ba-140	-1.43E+00	2.58E+00	8.28E+00	U
TM	15	660111001	03/20/2024	Be-7	1.03E+00	4.66E+00	1.56E+01	U
TM	15	660111001	03/20/2024	Bi-214	3.50E+00	2.41E+00	3.55E+00	U
TM	15	660111001	03/20/2024	Ce-141	0.00E+00	2.26E+00	3.01E+00	U
TM	15	660111001	03/20/2024	Ce-144	-6.06E-01	3.85E+00	1.22E+01	U
TM	15	660111001	03/20/2024	Co-57	-2.64E-02	4.92E-01	1.57E+00	U
TM	15	660111001	03/20/2024	Co-58	-5.43E-01	5.58E-01	1.66E+00	U
TM	15	660111001	03/20/2024	Co-60	1.07E+00	6.87E-01	2.29E+00	U
TM	15	660111001	03/20/2024	Cr-51	1.01E+00	4.71E+00	1.60E+01	U
TM	15	660111001	03/20/2024	Cs-134	-8.52E-02	6.23E-01	1.99E+00	U
TM	15	660111001	03/20/2024	Cs-137	7.85E-01	8.81E-01	2.18E+00	U
TM	15	660111001	03/20/2024	Fe-59	6.48E-01	1.32E+00	4.52E+00	U
TM	15	660111001	03/20/2024	I-131	1.58E-01	1.94E-01	6.72E-01	U
TM	15	660111001	03/20/2024	K-40	1.68E+03	8.86E+01	1.70E+01	
TM	15	660111001	03/20/2024	La-140	-4.88E-01	7.06E-01	2.17E+00	U
TM	15	660111001	03/20/2024	Mn-54	-6.97E-01	6.02E-01	1.76E+00	U
TM	15	660111001	03/20/2024	Nb-95	6.14E-01	6.31E-01	2.05E+00	U
TM	15	660111001	03/20/2024	Pb-212	6.89E-01	2.07E+00	3.89E+00	U
TM	15	660111001	03/20/2024	Pb-214	-5.51E-01	1.87E+00	4.60E+00	U
TM	15	660111001	03/20/2024	Ru-103	-1.25E+00	6.19E-01	1.67E+00	U
TM	15	660111001	03/20/2024	Ru-106	5.93E+00	4.93E+00	1.61E+01	U
TM	15	660111001	03/20/2024	Sb-124	1.49E+00	9.90E-01	3.43E+00	U
TM	15	660111001	03/20/2024	Sb-125	1.75E-01	1.46E+00	4.89E+00	U
TM	15	660111001	03/20/2024	Se-75	-6.67E-01	7.36E-01	2.41E+00	U
TM	15	660111001	03/20/2024	Th-228	6.89E-01	2.07E+00	3.89E+00	U
TM	15	660111001	03/20/2024	Zn-65	2.05E-01	1.31E+00	4.43E+00	U
TM	15	660111001	03/20/2024	Zr-95	-1.95E+00	1.10E+00	2.95E+00	U
TM	15	662640001	04/05/2024	Ac-228	2.05E+00	5.93E+00	8.68E+00	U
TM	15	662640001	04/05/2024	Ag-108m	-5.03E-01	5.24E-01	1.69E+00	U
TM	15	662640001	04/05/2024	Ag-110m	1.66E+00	1.08E+00	2.84E+00	U
TM	15	662640001	04/05/2024	Ba-140	-3.34E+00	3.22E+00	1.01E+01	U
TM	15	662640001	04/05/2024	Be-7	-7.31E+00	8.64E+00	1.71E+01	U
TM	15	662640001	04/05/2024	Bi-214	1.64E+00	2.53E+00	4.87E+00	U
TM	15	662640001	04/05/2024	Ce-141	-9.80E-01	1.08E+00	3.39E+00	U
TM	15	662640001	04/05/2024	Ce-144	1.07E+00	4.07E+00	1.25E+01	U
TM	15	662640001	04/05/2024	Co-57	-2.85E-01	5.32E-01	1.73E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	662640001	04/05/2024	Co-58	-5.51E-01	6.67E-01	2.04E+00	U
TM	15	662640001	04/05/2024	Co-60	8.44E-02	7.34E-01	2.45E+00	U
TM	15	662640001	04/05/2024	Cr-51	-1.69E+01	7.19E+00	1.71E+01	U
TM	15	662640001	04/05/2024	Cs-134	-8.66E-01	6.78E-01	1.97E+00	U
TM	15	662640001	04/05/2024	Cs-137	2.18E-01	1.23E+00	2.01E+00	U
TM	15	662640001	04/05/2024	Fe-59	-2.62E+00	1.64E+00	4.85E+00	U
TM	15	662640001	04/05/2024	I-131	4.52E-01	2.32E-01	7.26E-01	U
TM	15	662640001	04/05/2024	K-40	1.70E+03	9.73E+01	1.92E+01	
TM	15	662640001	04/05/2024	La-140	-8.26E-01	9.01E-01	2.68E+00	U
TM	15	662640001	04/05/2024	Mn-54	4.54E-01	6.24E-01	2.04E+00	U
TM	15	662640001	04/05/2024	Nb-95	-8.50E-02	6.25E-01	2.01E+00	U
TM	15	662640001	04/05/2024	Pb-212	0.00E+00	2.50E+00	4.16E+00	U
TM	15	662640001	04/05/2024	Pb-214	-1.97E+00	2.22E+00	4.67E+00	U
TM	15	662640001	04/05/2024	Ru-103	-3.32E-01	6.79E-01	1.99E+00	U
TM	15	662640001	04/05/2024	Ru-106	-8.39E+00	5.99E+00	1.55E+01	U
TM	15	662640001	04/05/2024	Sb-124	9.38E-01	1.17E+00	3.96E+00	U
TM	15	662640001	04/05/2024	Sb-125	1.18E-01	1.49E+00	5.06E+00	U
TM	15	662640001	04/05/2024	Se-75	8.70E-02	8.35E-01	2.65E+00	U
TM	15	662640001	04/05/2024	Th-228	0.00E+00	2.50E+00	4.16E+00	U
TM	15	662640001	04/05/2024	Zn-65	-1.00E+00	1.59E+00	5.18E+00	U
TM	15	662640001	04/05/2024	Zr-95	-1.75E+00	1.18E+00	3.37E+00	U
TM	15	663947001	04/17/2024	Ac-228	2.19E-01	3.80E+00	1.10E+01	U
TM	15	663947001	04/17/2024	Ag-108m	-4.90E-01	5.35E-01	1.68E+00	U
TM	15	663947001	04/17/2024	Ag-110m	3.69E-01	9.86E-01	3.35E+00	U
TM	15	663947001	04/17/2024	Ba-140	2.87E+00	3.49E+00	1.16E+01	U
TM	15	663947001	04/17/2024	Be-7	-4.00E+00	5.43E+00	1.71E+01	U
TM	15	663947001	04/17/2024	Bi-214	3.70E-01	2.85E+00	4.30E+00	U
TM	15	663947001	04/17/2024	Ce-141	7.80E-01	1.74E+00	3.67E+00	U
TM	15	663947001	04/17/2024	Ce-144	3.40E+00	4.23E+00	1.39E+01	U
TM	15	663947001	04/17/2024	Co-57	1.17E+00	5.86E-01	1.79E+00	U
TM	15	663947001	04/17/2024	Co-58	-4.36E-01	7.51E-01	2.46E+00	U
TM	15	663947001	04/17/2024	Co-60	1.40E-01	7.52E-01	2.46E+00	U
TM	15	663947001	04/17/2024	Cr-51	-2.15E+00	5.79E+00	1.94E+01	U
TM	15	663947001	04/17/2024	Cs-134	2.14E-02	7.46E-01	2.53E+00	U
TM	15	663947001	04/17/2024	Cs-137	1.60E+00	1.32E+00	2.26E+00	U
TM	15	663947001	04/17/2024	Fe-59	-6.93E-01	1.71E+00	5.51E+00	U
TM	15	663947001	04/17/2024	I-131	-3.54E-01	2.64E-01	8.03E-01	U
TM	15	663947001	04/17/2024	K-40	1.57E+03	8.85E+01	2.22E+01	
TM	15	663947001	04/17/2024	La-140	-9.29E-02	1.10E+00	3.67E+00	U
TM	15	663947001	04/17/2024	Mn-54	-2.00E+00	8.40E-01	2.08E+00	U
TM	15	663947001	04/17/2024	Nb-95	3.09E-01	6.78E-01	2.33E+00	U
TM	15	663947001	04/17/2024	Pb-212	4.07E+00	2.58E+00	4.64E+00	U
TM	15	663947001	04/17/2024	Pb-214	-1.75E+00	1.96E+00	5.10E+00	U
TM	15	663947001	04/17/2024	Ru-103	3.32E-01	7.08E-01	2.35E+00	U
TM	15	663947001	04/17/2024	Ru-106	1.54E+00	6.44E+00	2.09E+01	U
TM	15	663947001	04/17/2024	Sb-124	-1.14E+00	1.43E+00	4.38E+00	U
TM	15	663947001	04/17/2024	Sb-125	4.96E-01	1.65E+00	5.54E+00	U
TM	15	663947001	04/17/2024	Se-75	-4.03E-02	8.59E-01	2.67E+00	U
TM	15	663947001	04/17/2024	Th-228	4.07E+00	2.58E+00	4.64E+00	U
TM	15	663947001	04/17/2024	Zn-65	2.31E+00	1.82E+00	6.02E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	663947001	04/17/2024	Zr-95	-1.21E+00	1.20E+00	3.80E+00	U
TM	15	666179001	05/01/2024	Ac-228	-9.76E+00	4.82E+00	9.23E+00	U
TM	15	666179001	05/01/2024	Ag-108m	-9.01E-01	5.47E-01	1.62E+00	U
TM	15	666179001	05/01/2024	Ag-110m	-1.10E+00	9.40E-01	2.75E+00	U
TM	15	666179001	05/01/2024	Ba-140	4.45E-01	2.81E+00	9.40E+00	U
TM	15	666179001	05/01/2024	Be-7	6.93E+00	5.00E+00	1.66E+01	U
TM	15	666179001	05/01/2024	Bi-214	0.00E+00	3.38E+00	3.61E+00	U
TM	15	666179001	05/01/2024	Ce-141	-2.70E+00	1.52E+00	3.27E+00	U
TM	15	666179001	05/01/2024	Ce-144	7.84E+00	5.28E+00	1.23E+01	U
TM	15	666179001	05/01/2024	Co-57	-7.08E-01	5.38E-01	1.65E+00	U
TM	15	666179001	05/01/2024	Co-58	-2.32E-01	6.48E-01	2.06E+00	U
TM	15	666179001	05/01/2024	Co-60	6.07E-01	7.13E-01	2.41E+00	U
TM	15	666179001	05/01/2024	Cr-51	-4.33E+00	6.13E+00	1.69E+01	U
TM	15	666179001	05/01/2024	Cs-134	9.34E-01	7.20E-01	2.33E+00	U
TM	15	666179001	05/01/2024	Cs-137	0.00E+00	1.43E+00	2.10E+00	U
TM	15	666179001	05/01/2024	Fe-59	1.46E+00	1.61E+00	4.90E+00	U
TM	15	666179001	05/01/2024	I-131	-2.79E-01	2.13E-01	6.20E-01	U
TM	15	666179001	05/01/2024	K-40	1.79E+03	1.02E+02	1.86E+01	U
TM	15	666179001	05/01/2024	La-140	0.00E+00	2.32E+00	2.77E+00	U
TM	15	666179001	05/01/2024	Mn-54	5.83E-01	6.44E-01	2.10E+00	U
TM	15	666179001	05/01/2024	Nb-95	5.05E-01	6.70E-01	1.98E+00	U
TM	15	666179001	05/01/2024	Pb-212	2.11E-01	2.21E+00	3.56E+00	U
TM	15	666179001	05/01/2024	Pb-214	-2.66E+00	1.99E+00	4.65E+00	U
TM	15	666179001	05/01/2024	Ru-103	8.06E-01	6.36E-01	1.93E+00	U
TM	15	666179001	05/01/2024	Ru-106	3.71E+00	5.19E+00	1.73E+01	U
TM	15	666179001	05/01/2024	Sb-124	-2.46E+00	1.62E+00	3.59E+00	U
TM	15	666179001	05/01/2024	Sb-125	-3.04E+00	1.71E+00	4.99E+00	U
TM	15	666179001	05/01/2024	Se-75	9.50E-01	8.36E-01	2.62E+00	U
TM	15	666179001	05/01/2024	Th-228	2.11E-01	2.21E+00	3.56E+00	U
TM	15	666179001	05/01/2024	Zn-65	-1.83E+00	1.48E+00	4.55E+00	U
TM	15	666179001	05/01/2024	Zr-95	1.62E-01	1.03E+00	3.37E+00	U
TM	15	668290001	05/16/2024	Ac-228	0.00E+00	5.36E+00	1.12E+01	U
TM	15	668290001	05/16/2024	Ag-108m	3.36E-01	6.88E-01	2.12E+00	U
TM	15	668290001	05/16/2024	Ag-110m	-1.80E+00	1.12E+00	3.02E+00	U
TM	15	668290001	05/16/2024	Ba-140	-2.77E+00	3.65E+00	1.16E+01	U
TM	15	668290001	05/16/2024	Be-7	1.53E+00	6.55E+00	2.00E+01	U
TM	15	668290001	05/16/2024	Bi-214	2.23E+00	3.47E+00	4.38E+00	U
TM	15	668290001	05/16/2024	Ce-141	-3.70E+00	2.13E+00	4.13E+00	U
TM	15	668290001	05/16/2024	Ce-144	-6.85E-01	4.99E+00	1.64E+01	U
TM	15	668290001	05/16/2024	Co-57	4.52E-01	6.14E-01	2.04E+00	U
TM	15	668290001	05/16/2024	Co-58	-4.44E-01	7.93E-01	2.47E+00	U
TM	15	668290001	05/16/2024	Co-60	1.43E-01	8.38E-01	2.81E+00	U
TM	15	668290001	05/16/2024	Cr-51	-8.45E+00	8.17E+00	2.17E+01	U
TM	15	668290001	05/16/2024	Cs-134	-2.31E-01	8.03E-01	2.55E+00	U
TM	15	668290001	05/16/2024	Cs-137	2.43E+00	1.05E+00	2.54E+00	U
TM	15	668290001	05/16/2024	Fe-59	1.92E+00	1.83E+00	6.26E+00	U
TM	15	668290001	05/16/2024	I-131	-2.17E-01	2.06E-01	6.31E-01	U
TM	15	668290001	05/16/2024	K-40	1.71E+03	1.01E+02	2.31E+01	U
TM	15	668290001	05/16/2024	La-140	-1.63E-02	1.35E+00	3.87E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	668290001	05/16/2024	Mn-54	-1.68E-03	7.32E-01	2.36E+00	U
TM	15	668290001	05/16/2024	Nb-95	-4.23E-01	7.14E-01	2.23E+00	U
TM	15	668290001	05/16/2024	Pb-212	9.65E-01	1.84E+00	4.98E+00	U
TM	15	668290001	05/16/2024	Pb-214	5.09E+00	3.55E+00	5.92E+00	U
TM	15	668290001	05/16/2024	Ru-103	-2.32E-01	7.53E-01	2.23E+00	U
TM	15	668290001	05/16/2024	Ru-106	6.12E+00	6.46E+00	2.16E+01	U
TM	15	668290001	05/16/2024	Sb-124	-2.74E+00	1.75E+00	4.54E+00	U
TM	15	668290001	05/16/2024	Sb-125	-7.18E-01	1.77E+00	5.89E+00	U
TM	15	668290001	05/16/2024	Se-75	-8.76E-01	1.02E+00	3.06E+00	U
TM	15	668290001	05/16/2024	Th-228	9.65E-01	1.84E+00	4.98E+00	U
TM	15	668290001	05/16/2024	Zn-65	-8.06E-01	2.02E+00	6.18E+00	U
TM	15	668290001	05/16/2024	Zr-95	7.05E-01	1.31E+00	4.33E+00	U
TM	15	671935001	06/12/2024	Ac-228	5.83E+00	2.63E+00	7.75E+00	U
TM	15	671935001	06/12/2024	Ag-108m	4.18E-01	4.33E-01	1.46E+00	U
TM	15	671935001	06/12/2024	Ag-110m	-4.19E-01	7.49E-01	2.33E+00	U
TM	15	671935001	06/12/2024	Ba-140	2.35E+00	3.39E+00	1.14E+01	U
TM	15	671935001	06/12/2024	Be-7	5.08E+00	4.71E+00	1.57E+01	U
TM	15	671935001	06/12/2024	Bi-214	-2.60E+00	2.04E+00	3.96E+00	U
TM	15	671935001	06/12/2024	Ce-141	2.63E+00	1.52E+00	3.31E+00	U
TM	15	671935001	06/12/2024	Ce-144	2.00E+00	3.49E+00	1.15E+01	U
TM	15	671935001	06/12/2024	Co-57	-1.66E-01	4.56E-01	1.50E+00	U
TM	15	671935001	06/12/2024	Co-58	-9.18E-02	5.78E-01	1.85E+00	U
TM	15	671935001	06/12/2024	Co-60	-4.44E-01	5.51E-01	1.74E+00	U
TM	15	671935001	06/12/2024	Cr-51	1.20E+00	5.71E+00	1.79E+01	U
TM	15	671935001	06/12/2024	Cs-134	1.02E+00	6.26E-01	1.97E+00	U
TM	15	671935001	06/12/2024	Cs-137	-4.86E-02	9.11E-01	1.94E+00	U
TM	15	671935001	06/12/2024	Fe-59	-6.39E-01	1.52E+00	4.43E+00	U
TM	15	671935001	06/12/2024	I-131	3.08E-01	2.52E-01	7.95E-01	U
TM	15	671935001	06/12/2024	K-40	1.63E+03	9.22E+01	1.55E+01	
TM	15	671935001	06/12/2024	La-140	4.34E-01	1.08E+00	3.60E+00	U
TM	15	671935001	06/12/2024	Mn-54	-5.23E-01	5.50E-01	1.67E+00	U
TM	15	671935001	06/12/2024	Nb-95	-2.64E+00	1.20E+00	1.76E+00	U
TM	15	671935001	06/12/2024	Pb-212	2.75E+00	2.43E+00	3.52E+00	U
TM	15	671935001	06/12/2024	Pb-214	-1.97E+00	2.25E+00	3.95E+00	U
TM	15	671935001	06/12/2024	Ru-103	1.99E-02	6.31E-01	1.90E+00	U
TM	15	671935001	06/12/2024	Ru-106	-2.43E+00	4.54E+00	1.46E+01	U
TM	15	671935001	06/12/2024	Sb-124	5.54E-01	1.18E+00	3.93E+00	U
TM	15	671935001	06/12/2024	Sb-125	3.24E+00	1.86E+00	4.56E+00	U
TM	15	671935001	06/12/2024	Se-75	5.63E-01	7.55E-01	2.39E+00	U
TM	15	671935001	06/12/2024	Th-228	2.75E+00	2.43E+00	3.52E+00	U
TM	15	671935001	06/12/2024	Zn-65	2.86E+00	1.56E+00	4.32E+00	U
TM	15	671935001	06/12/2024	Zr-95	-8.95E-01	9.91E-01	3.05E+00	U
TM	15	673513001	06/26/2024	Ac-228	-4.83E+00	3.18E+00	6.61E+00	U
TM	15	673513001	06/26/2024	Ag-108m	-1.32E-01	4.11E-01	1.36E+00	U
TM	15	673513001	06/26/2024	Ag-110m	5.09E-01	6.79E-01	2.19E+00	U
TM	15	673513001	06/26/2024	Ba-140	-2.58E+00	2.11E+00	6.41E+00	U
TM	15	673513001	06/26/2024	Be-7	-3.13E-01	3.68E+00	1.22E+01	U
TM	15	673513001	06/26/2024	Bi-214	-1.95E+00	1.99E+00	3.51E+00	U
TM	15	673513001	06/26/2024	Ce-141	1.15E+00	1.49E+00	2.41E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	673513001	06/26/2024	Ce-144	2.38E+00	3.18E+00	1.02E+01	U
TM	15	673513001	06/26/2024	Co-57	3.30E-01	4.05E-01	1.30E+00	U
TM	15	673513001	06/26/2024	Co-58	5.03E-01	4.76E-01	1.54E+00	U
TM	15	673513001	06/26/2024	Co-60	6.28E-01	5.73E-01	1.92E+00	U
TM	15	673513001	06/26/2024	Cr-51	2.11E-01	3.99E+00	1.36E+01	U
TM	15	673513001	06/26/2024	Cs-134	2.36E-01	5.34E-01	1.73E+00	U
TM	15	673513001	06/26/2024	Cs-137	0.00E+00	8.56E-01	1.56E+00	U
TM	15	673513001	06/26/2024	Fe-59	1.68E+00	1.46E+00	3.90E+00	U
TM	15	673513001	06/26/2024	I-131	-4.01E-01	2.53E-01	4.59E-01	U
TM	15	673513001	06/26/2024	K-40	0.00E+00	9.80E+01	1.49E+01	U
TM	15	673513001	06/26/2024	La-140	-3.06E-01	5.49E-01	1.72E+00	U
TM	15	673513001	06/26/2024	Mn-54	6.13E-03	4.81E-01	1.54E+00	U
TM	15	673513001	06/26/2024	Nb-95	0.00E+00	7.53E-01	1.57E+00	U
TM	15	673513001	06/26/2024	Pb-212	-8.00E-01	1.40E+00	3.17E+00	U
TM	15	673513001	06/26/2024	Pb-214	-7.97E-01	1.57E+00	3.51E+00	U
TM	15	673513001	06/26/2024	Ru-103	0.00E+00	1.09E+00	1.48E+00	U
TM	15	673513001	06/26/2024	Ru-106	8.73E-01	3.91E+00	1.23E+01	U
TM	15	673513001	06/26/2024	Sb-124	4.44E-01	1.04E+00	3.08E+00	U
TM	15	673513001	06/26/2024	Sb-125	6.37E-01	1.18E+00	3.96E+00	U
TM	15	673513001	06/26/2024	Se-75	-6.58E-01	8.78E-01	2.01E+00	U
TM	15	673513001	06/26/2024	Th-228	-8.00E-01	1.40E+00	3.17E+00	U
TM	15	673513001	06/26/2024	Zn-65	2.14E-02	1.12E+00	3.77E+00	U
TM	15	673513001	06/26/2024	Zr-95	0.00E+00	1.24E+00	2.78E+00	U
TM	15	675737001	07/10/2024	Ac-228	-5.08E+00	4.65E+00	1.21E+01	U
TM	15	675737001	07/10/2024	Ag-108m	7.24E-01	6.43E-01	2.17E+00	U
TM	15	675737001	07/10/2024	Ag-110m	-1.81E-01	1.39E+00	3.60E+00	U
TM	15	675737001	07/10/2024	Ba-140	3.33E+00	3.51E+00	1.18E+01	U
TM	15	675737001	07/10/2024	Be-7	-5.13E+00	6.05E+00	1.93E+01	U
TM	15	675737001	07/10/2024	Bi-214	4.74E+00	3.46E+00	6.21E+00	U
TM	15	675737001	07/10/2024	Ce-141	-1.50E+00	1.32E+00	4.07E+00	U
TM	15	675737001	07/10/2024	Ce-144	-4.95E+00	4.95E+00	1.55E+01	U
TM	15	675737001	07/10/2024	Co-57	-1.12E+00	7.08E-01	2.10E+00	U
TM	15	675737001	07/10/2024	Co-58	5.14E-01	8.04E-01	2.64E+00	U
TM	15	675737001	07/10/2024	Co-60	-1.04E+00	8.40E-01	2.47E+00	U
TM	15	675737001	07/10/2024	Cr-51	0.00E+00	1.13E+01	2.14E+01	U
TM	15	675737001	07/10/2024	Cs-134	-2.23E-03	8.40E-01	2.72E+00	U
TM	15	675737001	07/10/2024	Cs-137	1.71E+00	8.62E-01	2.31E+00	U
TM	15	675737001	07/10/2024	Fe-59	2.98E-01	1.70E+00	5.77E+00	U
TM	15	675737001	07/10/2024	I-131	-3.06E-02	1.48E-01	5.03E-01	U
TM	15	675737001	07/10/2024	K-40	1.77E+03	1.04E+02	2.58E+01	U
TM	15	675737001	07/10/2024	La-140	1.96E+00	1.24E+00	4.22E+00	U
TM	15	675737001	07/10/2024	Mn-54	2.70E-01	8.52E-01	2.48E+00	U
TM	15	675737001	07/10/2024	Nb-95	2.64E-01	7.51E-01	2.47E+00	U
TM	15	675737001	07/10/2024	Pb-212	1.07E-01	2.51E+00	4.86E+00	U
TM	15	675737001	07/10/2024	Pb-214	6.65E-01	2.35E+00	6.02E+00	U
TM	15	675737001	07/10/2024	Ru-103	-1.07E-01	1.01E+00	2.41E+00	U
TM	15	675737001	07/10/2024	Ru-106	4.37E+00	6.59E+00	2.20E+01	U
TM	15	675737001	07/10/2024	Sb-124	3.26E-01	1.53E+00	5.05E+00	U
TM	15	675737001	07/10/2024	Sb-125	3.91E-01	1.86E+00	6.32E+00	U
TM	15	675737001	07/10/2024	Se-75	8.80E-02	9.94E-01	3.15E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	675737001	07/10/2024	Th-228	1.07E-01	2.51E+00	4.86E+00	U
TM	15	675737001	07/10/2024	Zn-65	-3.12E-01	1.75E+00	5.85E+00	U
TM	15	675737001	07/10/2024	Zr-95	-6.31E-01	1.34E+00	4.23E+00	U
TM	15	678173001	07/25/2024	Ac-228	1.11E+00	3.31E+00	9.23E+00	U
TM	15	678173001	07/25/2024	Ag-108m	-4.85E-02	5.22E-01	1.76E+00	U
TM	15	678173001	07/25/2024	Ag-110m	-6.25E-01	8.47E-01	2.58E+00	U
TM	15	678173001	07/25/2024	Ba-140	2.56E+00	3.03E+00	1.02E+01	U
TM	15	678173001	07/25/2024	Be-7	-1.40E-01	4.74E+00	1.59E+01	U
TM	15	678173001	07/25/2024	Bi-214	-3.89E+00	2.28E+00	4.02E+00	U
TM	15	678173001	07/25/2024	Ce-141	-2.91E+00	1.54E+00	3.49E+00	U
TM	15	678173001	07/25/2024	Ce-144	-5.08E+00	4.32E+00	1.31E+01	U
TM	15	678173001	07/25/2024	Co-57	1.87E-01	5.36E-01	1.76E+00	U
TM	15	678173001	07/25/2024	Co-58	5.46E-01	5.73E-01	1.90E+00	U
TM	15	678173001	07/25/2024	Co-60	2.38E-02	7.53E-01	2.52E+00	U
TM	15	678173001	07/25/2024	Cr-51	2.46E+00	5.05E+00	1.74E+01	U
TM	15	678173001	07/25/2024	Cs-134	-7.68E-01	7.00E-01	2.08E+00	U
TM	15	678173001	07/25/2024	Cs-137	1.10E+00	8.09E-01	2.09E+00	U
TM	15	678173001	07/25/2024	Fe-59	-9.50E-01	1.58E+00	5.17E+00	U
TM	15	678173001	07/25/2024	I-131	4.21E-01	2.59E-01	8.59E-01	U
TM	15	678173001	07/25/2024	K-40	1.85E+03	1.08E+02	1.63E+01	
TM	15	678173001	07/25/2024	La-140	1.47E-01	9.04E-01	3.01E+00	U
TM	15	678173001	07/25/2024	Mn-54	5.05E-01	5.94E-01	1.96E+00	U
TM	15	678173001	07/25/2024	Nb-95	6.76E-01	1.09E+00	1.96E+00	U
TM	15	678173001	07/25/2024	Pb-212	2.45E+00	2.46E+00	4.41E+00	U
TM	15	678173001	07/25/2024	Pb-214	-5.78E-01	1.81E+00	4.43E+00	U
TM	15	678173001	07/25/2024	Ru-103	-2.67E-01	6.18E-01	2.03E+00	U
TM	15	678173001	07/25/2024	Ru-106	2.88E+00	4.94E+00	1.65E+01	U
TM	15	678173001	07/25/2024	Sb-124	-1.27E+00	1.19E+00	3.37E+00	U
TM	15	678173001	07/25/2024	Sb-125	3.46E+00	1.74E+00	5.56E+00	U
TM	15	678173001	07/25/2024	Se-75	-5.20E-01	8.43E-01	2.56E+00	U
TM	15	678173001	07/25/2024	Th-228	2.45E+00	2.46E+00	4.41E+00	U
TM	15	678173001	07/25/2024	Zn-65	-2.81E+00	1.61E+00	4.60E+00	U
TM	15	678173001	07/25/2024	Zr-95	-3.91E-01	1.12E+00	3.56E+00	U
TM	15	680186001	08/07/2024	Ac-228	1.69E+00	4.71E+00	7.83E+00	U
TM	15	680186001	08/07/2024	Ag-108m	8.88E-02	4.28E-01	1.45E+00	U
TM	15	680186001	08/07/2024	Ag-110m	5.22E-01	7.30E-01	2.36E+00	U
TM	15	680186001	08/07/2024	Ba-140	-1.01E+00	2.21E+00	7.22E+00	U
TM	15	680186001	08/07/2024	Be-7	2.55E+00	4.38E+00	1.33E+01	U
TM	15	680186001	08/07/2024	Bi-214	-5.88E-01	1.95E+00	3.83E+00	U
TM	15	680186001	08/07/2024	Ce-141	-9.09E-01	9.20E-01	2.87E+00	U
TM	15	680186001	08/07/2024	Ce-144	8.79E+00	3.91E+00	1.13E+01	U
TM	15	680186001	08/07/2024	Co-57	-1.06E+00	5.03E-01	1.39E+00	U
TM	15	680186001	08/07/2024	Co-58	7.89E-01	5.41E-01	1.72E+00	U
TM	15	680186001	08/07/2024	Co-60	3.66E-01	1.11E+00	2.45E+00	U
TM	15	680186001	08/07/2024	Cr-51	-1.64E-01	4.37E+00	1.50E+01	U
TM	15	680186001	08/07/2024	Cs-134	-1.70E-01	5.37E-01	1.71E+00	U
TM	15	680186001	08/07/2024	Cs-137	0.00E+00	1.00E+00	1.58E+00	U
TM	15	680186001	08/07/2024	Fe-59	2.12E+00	1.34E+00	4.36E+00	U
TM	15	680186001	08/07/2024	I-131	-8.57E-02	1.43E-01	3.25E-01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	680186001	08/07/2024	K-40	1.81E+03	1.12E+02	1.72E+01	
TM	15	680186001	08/07/2024	La-140	3.90E-01	6.99E-01	2.34E+00	U
TM	15	680186001	08/07/2024	Mn-54	-1.06E+00	5.79E-01	1.57E+00	U
TM	15	680186001	08/07/2024	Nb-95	-3.83E-02	4.84E-01	1.56E+00	U
TM	15	680186001	08/07/2024	Pb-212	1.78E+00	1.94E+00	3.83E+00	U
TM	15	680186001	08/07/2024	Pb-214	-2.74E+00	2.10E+00	3.78E+00	U
TM	15	680186001	08/07/2024	Ru-103	-7.32E-01	5.35E-01	1.64E+00	U
TM	15	680186001	08/07/2024	Ru-106	2.92E+00	4.62E+00	1.38E+01	U
TM	15	680186001	08/07/2024	Sb-124	-1.30E+00	1.04E+00	2.95E+00	U
TM	15	680186001	08/07/2024	Sb-125	-8.66E-01	1.26E+00	4.13E+00	U
TM	15	680186001	08/07/2024	Se-75	5.58E-01	7.09E-01	2.22E+00	U
TM	15	680186001	08/07/2024	Th-228	1.78E+00	1.94E+00	3.83E+00	U
TM	15	680186001	08/07/2024	Zn-65	2.18E+00	1.47E+00	4.34E+00	U
TM	15	680186001	08/07/2024	Zr-95	2.41E-01	9.44E-01	3.08E+00	U
TM	15	682488001	08/21/2024	Ac-228	8.57E-01	3.46E+00	7.00E+00	U
TM	15	682488001	08/21/2024	Ag-108m	-2.31E-01	3.65E-01	1.20E+00	U
TM	15	682488001	08/21/2024	Ag-110m	1.46E-01	7.23E-01	2.07E+00	U
TM	15	682488001	08/21/2024	Ba-140	-1.89E+00	1.93E+00	6.04E+00	U
TM	15	682488001	08/21/2024	Be-7	-2.80E+00	3.61E+00	1.16E+01	U
TM	15	682488001	08/21/2024	Bi-214	0.00E+00	2.10E+00	2.93E+00	U
TM	15	682488001	08/21/2024	Ce-141	-1.75E+00	1.16E+00	2.39E+00	U
TM	15	682488001	08/21/2024	Ce-144	-3.26E+00	3.06E+00	9.45E+00	U
TM	15	682488001	08/21/2024	Co-57	-2.86E-01	3.99E-01	1.27E+00	U
TM	15	682488001	08/21/2024	Co-58	-3.64E-01	4.63E-01	1.42E+00	U
TM	15	682488001	08/21/2024	Co-60	-2.78E-01	5.21E-01	1.68E+00	U
TM	15	682488001	08/21/2024	Cr-51	1.84E-01	3.78E+00	1.30E+01	U
TM	15	682488001	08/21/2024	Cs-134	-2.17E-01	6.16E-01	1.74E+00	U
TM	15	682488001	08/21/2024	Cs-137	5.07E-01	5.04E-01	1.65E+00	U
TM	15	682488001	08/21/2024	Fe-59	-7.82E-01	1.10E+00	3.60E+00	U
TM	15	682488001	08/21/2024	I-131	1.41E-01	2.07E-01	6.95E-01	U
TM	15	682488001	08/21/2024	K-40	1.88E+03	1.21E+02	1.28E+01	
TM	15	682488001	08/21/2024	La-140	-1.33E+00	6.76E-01	1.68E+00	U
TM	15	682488001	08/21/2024	Mn-54	3.43E-01	4.59E-01	1.49E+00	U
TM	15	682488001	08/21/2024	Nb-95	-1.28E-01	6.90E-01	1.54E+00	U
TM	15	682488001	08/21/2024	Pb-212	1.53E+00	1.76E+00	2.73E+00	U
TM	15	682488001	08/21/2024	Pb-214	2.24E+00	2.54E+00	3.11E+00	U
TM	15	682488001	08/21/2024	Ru-103	-2.31E-01	4.39E-01	1.28E+00	U
TM	15	682488001	08/21/2024	Ru-106	5.85E-01	3.96E+00	1.31E+01	U
TM	15	682488001	08/21/2024	Sb-124	1.07E+00	9.68E-01	2.96E+00	U
TM	15	682488001	08/21/2024	Sb-125	-1.99E+00	1.24E+00	3.69E+00	U
TM	15	682488001	08/21/2024	Se-75	-7.63E-01	6.51E-01	1.90E+00	U
TM	15	682488001	08/21/2024	Th-228	1.53E+00	1.76E+00	2.73E+00	U
TM	15	682488001	08/21/2024	Zn-65	-2.26E+00	1.28E+00	3.71E+00	U
TM	15	682488001	08/21/2024	Zr-95	-3.31E-01	1.24E+00	2.72E+00	U
TM	15	686833001	09/18/2024	Ac-228	7.29E+00	5.07E+00	1.02E+01	U
TM	15	686833001	09/18/2024	Ag-108m	2.20E-01	5.13E-01	1.73E+00	U
TM	15	686833001	09/18/2024	Ag-110m	-1.11E+00	8.71E-01	2.66E+00	U
TM	15	686833001	09/18/2024	Ba-140	-3.30E+00	3.08E+00	9.39E+00	U
TM	15	686833001	09/18/2024	Be-7	1.99E+00	4.96E+00	1.66E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	686833001	09/18/2024	Bi-214	0.00E+00	1.99E+00	3.79E+00	U
TM	15	686833001	09/18/2024	Ce-141	-1.35E+00	1.16E+00	3.20E+00	U
TM	15	686833001	09/18/2024	Ce-144	6.15E+00	4.06E+00	1.27E+01	U
TM	15	686833001	09/18/2024	Co-57	2.30E-02	4.79E-01	1.56E+00	U
TM	15	686833001	09/18/2024	Co-58	-7.49E-01	7.77E-01	2.01E+00	U
TM	15	686833001	09/18/2024	Co-60	3.36E-04	7.32E-01	2.41E+00	U
TM	15	686833001	09/18/2024	Cr-51	-4.62E+00	5.52E+00	1.80E+01	U
TM	15	686833001	09/18/2024	Cs-134	-2.42E-01	7.25E-01	2.27E+00	U
TM	15	686833001	09/18/2024	Cs-137	1.82E+00	9.79E-01	2.17E+00	U
TM	15	686833001	09/18/2024	Fe-59	-8.53E-02	1.60E+00	5.34E+00	U
TM	15	686833001	09/18/2024	I-131	-6.50E-02	1.79E-01	5.94E-01	U
TM	15	686833001	09/18/2024	K-40	1.85E+03	1.01E+02	1.86E+01	
TM	15	686833001	09/18/2024	La-140	4.19E-01	1.05E+00	3.09E+00	U
TM	15	686833001	09/18/2024	Mn-54	9.30E-01	6.65E-01	2.13E+00	U
TM	15	686833001	09/18/2024	Nb-95	-3.46E-01	7.08E-01	2.20E+00	U
TM	15	686833001	09/18/2024	Pb-212	2.91E+00	2.31E+00	5.07E+00	U
TM	15	686833001	09/18/2024	Pb-214	9.59E-01	1.35E+00	4.60E+00	U
TM	15	686833001	09/18/2024	Ru-103	-5.68E-01	6.27E-01	1.96E+00	U
TM	15	686833001	09/18/2024	Ru-106	-2.28E+00	6.11E+00	1.73E+01	U
TM	15	686833001	09/18/2024	Sb-124	6.44E-01	1.31E+00	4.35E+00	U
TM	15	686833001	09/18/2024	Sb-125	-9.36E-01	1.52E+00	4.92E+00	U
TM	15	686833001	09/18/2024	Se-75	-1.49E+00	8.32E-01	2.48E+00	U
TM	15	686833001	09/18/2024	Th-228	2.91E+00	2.31E+00	5.07E+00	U
TM	15	686833001	09/18/2024	Zn-65	1.74E+00	1.77E+00	5.97E+00	U
TM	15	686833001	09/18/2024	Zr-95	-1.57E-01	1.26E+00	3.55E+00	U
TM	15	691024001	10/16/2024	Ac-228	5.19E+00	3.94E+00	9.43E+00	U
TM	15	691024001	10/16/2024	Ag-108m	8.01E-02	4.78E-01	1.59E+00	U
TM	15	691024001	10/16/2024	Ag-110m	-8.87E-01	8.51E-01	2.68E+00	U
TM	15	691024001	10/16/2024	Ba-140	-2.39E+00	4.20E+00	1.33E+01	U
TM	15	691024001	10/16/2024	Be-7	5.13E+00	5.06E+00	1.66E+01	U
TM	15	691024001	10/16/2024	Bi-214	0.00E+00	2.79E+00	3.51E+00	U
TM	15	691024001	10/16/2024	Ce-141	-2.61E+00	1.75E+00	3.81E+00	U
TM	15	691024001	10/16/2024	Ce-144	-9.53E-01	3.67E+00	1.20E+01	U
TM	15	691024001	10/16/2024	Co-57	-4.76E-01	4.97E-01	1.58E+00	U
TM	15	691024001	10/16/2024	Co-58	-3.35E-02	6.11E-01	2.06E+00	U
TM	15	691024001	10/16/2024	Co-60	2.88E-01	7.37E-01	2.10E+00	U
TM	15	691024001	10/16/2024	Cr-51	-2.29E+00	5.85E+00	1.97E+01	U
TM	15	691024001	10/16/2024	Cs-134	1.85E-01	6.45E-01	2.19E+00	U
TM	15	691024001	10/16/2024	Cs-137	0.00E+00	1.11E+00	1.83E+00	U
TM	15	691024001	10/16/2024	Fe-59	1.18E+00	1.50E+00	4.94E+00	U
TM	15	691024001	10/16/2024	I-131	2.11E-01	2.90E-01	9.62E-01	U
TM	15	691024001	10/16/2024	K-40	1.92E+03	9.24E+01	1.68E+01	
TM	15	691024001	10/16/2024	La-140	1.03E+00	1.27E+00	4.32E+00	U
TM	15	691024001	10/16/2024	Mn-54	3.61E-01	5.74E-01	1.94E+00	U
TM	15	691024001	10/16/2024	Nb-95	-8.99E-01	6.63E-01	2.05E+00	U
TM	15	691024001	10/16/2024	Pb-212	2.90E+00	2.09E+00	3.85E+00	U
TM	15	691024001	10/16/2024	Pb-214	-2.75E+00	2.12E+00	4.51E+00	U
TM	15	691024001	10/16/2024	Ru-103	-9.16E-02	6.65E-01	2.17E+00	U
TM	15	691024001	10/16/2024	Ru-106	1.67E+00	5.29E+00	1.71E+01	U
TM	15	691024001	10/16/2024	Sb-124	1.23E+00	1.27E+00	4.33E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	691024001	10/16/2024	Sb-125	1.84E+00	1.53E+00	5.01E+00	U
TM	15	691024001	10/16/2024	Se-75	1.55E-01	8.79E-01	2.53E+00	U
TM	15	691024001	10/16/2024	Th-228	2.90E+00	2.09E+00	3.85E+00	U
TM	15	691024001	10/16/2024	Zn-65	-2.22E+00	1.74E+00	4.47E+00	U
TM	15	691024001	10/16/2024	Zr-95	1.02E+00	1.10E+00	3.74E+00	U
TM	15	696802001	11/13/2024	Ac-228	2.92E+00	3.06E+00	6.00E+00	U
TM	15	696802001	11/13/2024	Ag-108m	1.75E-01	4.39E-01	1.06E+00	U
TM	15	696802001	11/13/2024	Ag-110m	-3.67E-01	5.74E-01	1.77E+00	U
TM	15	696802001	11/13/2024	Ba-140	3.52E+00	2.65E+00	8.59E+00	U
TM	15	696802001	11/13/2024	Be-7	6.65E+00	3.84E+00	1.21E+01	U
TM	15	696802001	11/13/2024	Bi-214	-1.32E+00	1.68E+00	3.07E+00	U
TM	15	696802001	11/13/2024	Ce-141	-1.52E+00	8.89E-01	2.52E+00	U
TM	15	696802001	11/13/2024	Ce-144	1.39E+00	2.64E+00	8.45E+00	U
TM	15	696802001	11/13/2024	Co-57	-5.28E-01	3.80E-01	1.13E+00	U
TM	15	696802001	11/13/2024	Co-58	3.97E-01	6.22E-01	1.43E+00	U
TM	15	696802001	11/13/2024	Co-60	8.34E-02	4.47E-01	1.50E+00	U
TM	15	696802001	11/13/2024	Cr-51	2.39E+00	3.98E+00	1.35E+01	U
TM	15	696802001	11/13/2024	Cs-134	-7.82E-01	5.03E-01	1.43E+00	U
TM	15	696802001	11/13/2024	Cs-137	0.00E+00	6.07E-01	1.29E+00	U
TM	15	696802001	11/13/2024	Fe-59	-1.72E+00	1.30E+00	3.50E+00	U
TM	15	696802001	11/13/2024	I-131	2.40E-01	2.41E-01	7.93E-01	U
TM	15	696802001	11/13/2024	K-40	2.07E+03	1.07E+02	1.17E+01	U
TM	15	696802001	11/13/2024	La-140	3.02E-01	7.44E-01	2.48E+00	U
TM	15	696802001	11/13/2024	Mn-54	-3.31E-01	4.22E-01	1.30E+00	U
TM	15	696802001	11/13/2024	Nb-95	3.72E-01	4.59E-01	1.48E+00	U
TM	15	696802001	11/13/2024	Pb-212	2.11E-01	1.60E+00	2.29E+00	U
TM	15	696802001	11/13/2024	Pb-214	-1.32E+00	1.54E+00	3.12E+00	U
TM	15	696802001	11/13/2024	Ru-103	-4.67E-01	4.84E-01	1.36E+00	U
TM	15	696802001	11/13/2024	Ru-106	-1.37E+00	3.50E+00	1.13E+01	U
TM	15	696802001	11/13/2024	Sb-124	3.69E-01	8.92E-01	2.96E+00	U
TM	15	696802001	11/13/2024	Sb-125	3.04E-01	1.10E+00	3.53E+00	U
TM	15	696802001	11/13/2024	Se-75	4.93E-01	5.49E-01	1.86E+00	U
TM	15	696802001	11/13/2024	Th-228	2.11E-01	1.60E+00	2.29E+00	U
TM	15	696802001	11/13/2024	Zn-65	4.82E-01	1.05E+00	3.44E+00	U
TM	15	696802001	11/13/2024	Zr-95	1.55E+00	8.64E-01	2.67E+00	U
TM	15	700778001	12/11/2024	Ac-228	0.00E+00	3.49E+00	4.99E+00	U
TM	15	700778001	12/11/2024	Ag-108m	2.06E-01	3.56E-01	1.06E+00	U
TM	15	700778001	12/11/2024	Ag-110m	-4.39E-01	5.49E-01	1.77E+00	U
TM	15	700778001	12/11/2024	Ba-140	-7.72E-02	2.62E+00	8.51E+00	U
TM	15	700778001	12/11/2024	Be-7	-7.24E-01	3.37E+00	1.10E+01	U
TM	15	700778001	12/11/2024	Bi-214	-1.25E+00	1.75E+00	3.00E+00	U
TM	15	700778001	12/11/2024	Ce-141	-1.36E+00	7.90E-01	2.25E+00	U
TM	15	700778001	12/11/2024	Ce-144	-2.57E-01	2.40E+00	7.71E+00	U
TM	15	700778001	12/11/2024	Co-57	2.07E-01	3.07E-01	9.89E-01	U
TM	15	700778001	12/11/2024	Co-58	-1.47E-01	3.94E-01	1.32E+00	U
TM	15	700778001	12/11/2024	Co-60	-8.57E-01	6.95E-01	1.50E+00	U
TM	15	700778001	12/11/2024	Cr-51	-3.91E+00	3.81E+00	1.23E+01	U
TM	15	700778001	12/11/2024	Cs-134	4.54E-01	4.58E-01	1.44E+00	U
TM	15	700778001	12/11/2024	Cs-137	3.81E+00	8.73E-01	1.28E+00	M

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	700778001	12/11/2024	Fe-59	1.53E+00	1.10E+00	3.53E+00	U
TM	15	700778001	12/11/2024	I-131	4.05E-02	1.95E-01	6.64E-01	U
TM	15	700778001	12/11/2024	K-40	1.96E+03	9.38E+01	1.05E+01	
TM	15	700778001	12/11/2024	La-140	1.04E-01	7.06E-01	2.39E+00	U
TM	15	700778001	12/11/2024	Mn-54	2.22E-01	3.84E-01	1.30E+00	U
TM	15	700778001	12/11/2024	Nb-95	7.64E-01	4.36E-01	1.41E+00	U
TM	15	700778001	12/11/2024	Pb-212	1.82E+00	1.28E+00	2.08E+00	U
TM	15	700778001	12/11/2024	Pb-214	-2.71E+00	1.65E+00	2.95E+00	U
TM	15	700778001	12/11/2024	Ru-103	4.61E-01	5.72E-01	1.35E+00	U
TM	15	700778001	12/11/2024	Ru-106	7.57E-01	3.42E+00	1.10E+01	U
TM	15	700778001	12/11/2024	Sb-124	5.53E-01	8.08E-01	2.76E+00	U
TM	15	700778001	12/11/2024	Sb-125	2.38E+00	1.07E+00	3.18E+00	U
TM	15	700778001	12/11/2024	Se-75	-1.30E-01	4.69E-01	1.59E+00	U
TM	15	700778001	12/11/2024	Th-228	1.82E+00	1.28E+00	2.08E+00	U
TM	15	700778001	12/11/2024	Zn-65	-8.52E-01	1.06E+00	3.37E+00	U
TM	15	700778001	12/11/2024	Zr-95	4.83E-02	7.19E-01	2.44E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	662491001	03/18/2024	Ac-228	0.00E+00	2.65E+00	4.99E+00	U
WG	01	662491001	03/18/2024	Ag-108m	9.86E-02	3.13E-01	1.01E+00	U
WG	01	662491001	03/18/2024	Ag-110m	1.43E-01	4.91E-01	1.65E+00	U
WG	01	662491001	03/18/2024	Ba-140	-5.46E-04	9.46E+00	1.74E+01	U DL
WG	01	662491001	03/18/2024	Be-7	-6.40E-01	3.61E+00	1.15E+01	U
WG	01	662491001	03/18/2024	BETA	5.80E+00	1.25E+00	2.59E+00	
WG	01	662491001	03/18/2024	Bi-214	1.20E+00	1.89E+00	2.22E+00	U
WG	01	662491001	03/18/2024	Ce-141	-6.95E+00	2.37E+00	3.18E+00	U
WG	01	662491001	03/18/2024	Ce-144	-1.46E+00	2.35E+00	7.79E+00	U
WG	01	662491001	03/18/2024	Co-57	4.82E-01	3.27E-01	1.06E+00	U
WG	01	662491001	03/18/2024	Co-58	-8.21E-01	4.58E-01	1.30E+00	U
WG	01	662491001	03/18/2024	Co-60	3.77E-01	3.76E-01	1.24E+00	U
WG	01	662491001	03/18/2024	Cr-51	2.12E+00	6.49E+00	1.91E+01	U
WG	01	662491001	03/18/2024	Cs-134	3.80E-01	4.54E-01	1.36E+00	U
WG	01	662491001	03/18/2024	Cs-137	7.72E-01	3.98E-01	1.27E+00	U
WG	01	662491001	03/18/2024	Fe-59	5.02E-02	9.86E-01	3.24E+00	U
WG	01	662491001	03/18/2024	H-3	6.05E+01	1.06E+02	3.38E+02	U
WG	01	662491001	03/18/2024	I-131	4.82E+00	4.00E+00	1.28E+01	U
WG	01	662491001	03/18/2024	K-40	7.16E+00	9.36E+00	1.08E+01	U
WG	01	662491001	03/18/2024	La-140	1.52E+00	1.77E+00	5.83E+00	U
WG	01	662491001	03/18/2024	Mn-54	-5.60E-01	3.62E-01	1.06E+00	U
WG	01	662491001	03/18/2024	Nb-95	0.00E+00	9.51E-01	1.47E+00	U
WG	01	662491001	03/18/2024	Pb-212	9.57E-01	1.30E+00	2.16E+00	U
WG	01	662491001	03/18/2024	Pb-214	9.51E-01	1.84E+00	2.90E+00	U
WG	01	662491001	03/18/2024	Ru-103	-1.75E+00	1.17E+00	1.69E+00	U
WG	01	662491001	03/18/2024	Ru-106	3.67E-01	3.77E+00	1.06E+01	U
WG	01	662491001	03/18/2024	Sb-124	-4.67E-01	1.01E+00	3.29E+00	U
WG	01	662491001	03/18/2024	Sb-125	-1.43E+00	1.03E+00	3.01E+00	U
WG	01	662491001	03/18/2024	Se-75	5.27E-02	5.22E-01	1.72E+00	U
WG	01	662491001	03/18/2024	Th-228	9.57E-01	1.30E+00	2.16E+00	U
WG	01	662491001	03/18/2024	Zn-65	-1.41E+00	9.58E-01	2.35E+00	U
WG	01	662491001	03/18/2024	Zr-95	-6.83E-01	8.00E-01	2.56E+00	U
WG	01	673734001	06/26/2024	Ac-228	-7.84E-01	2.85E+00	6.24E+00	U
WG	01	673734001	06/26/2024	Ag-108m	1.94E-01	3.69E-01	1.12E+00	U
WG	01	673734001	06/26/2024	Ag-110m	-5.13E-02	5.54E-01	1.75E+00	U
WG	01	673734001	06/26/2024	Ba-140	-1.83E+00	2.05E+00	6.39E+00	U
WG	01	673734001	06/26/2024	Be-7	2.98E+00	3.46E+00	1.15E+01	U
WG	01	673734001	06/26/2024	BETA	6.22E+00	1.25E+00	2.39E+00	
WG	01	673734001	06/26/2024	Bi-214	1.07E+01	1.98E+00	2.74E+00	
WG	01	673734001	06/26/2024	Ce-141	0.00E+00	1.35E+00	2.31E+00	U
WG	01	673734001	06/26/2024	Ce-144	1.31E+00	2.75E+00	8.84E+00	U
WG	01	673734001	06/26/2024	Co-57	-1.70E-01	3.47E-01	1.10E+00	U
WG	01	673734001	06/26/2024	Co-58	3.65E-02	3.85E-01	1.24E+00	U
WG	01	673734001	06/26/2024	Co-60	1.13E-01	3.88E-01	1.30E+00	U
WG	01	673734001	06/26/2024	Cr-51	-2.32E-01	3.46E+00	1.17E+01	U
WG	01	673734001	06/26/2024	Cs-134	-1.06E+00	7.82E-01	1.45E+00	U
WG	01	673734001	06/26/2024	Cs-137	-2.26E-01	4.12E-01	1.30E+00	U
WG	01	673734001	06/26/2024	Fe-59	-1.60E+00	9.44E-01	2.25E+00	U
WG	01	673734001	06/26/2024	H-3	-3.16E+02	1.83E+02	6.66E+02	U
WG	01	673734001	06/26/2024	I-131	-1.25E+00	7.89E-01	2.36E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	673734001	06/26/2024	K-40	-7.92E+00	7.54E+00	2.04E+01	U
WG	01	673734001	06/26/2024	La-140	-8.20E-01	7.21E-01	2.11E+00	U
WG	01	673734001	06/26/2024	Mn-54	4.01E-02	3.93E-01	1.26E+00	U
WG	01	673734001	06/26/2024	Nb-95	1.08E-01	4.77E-01	1.38E+00	U
WG	01	673734001	06/26/2024	Pb-212	8.72E-01	1.38E+00	3.25E+00	U
WG	01	673734001	06/26/2024	Pb-214	9.71E+00	2.00E+00	2.78E+00	
WG	01	673734001	06/26/2024	Ru-103	-5.95E-01	4.88E-01	1.31E+00	U
WG	01	673734001	06/26/2024	Ru-106	2.05E+00	3.42E+00	1.13E+01	U
WG	01	673734001	06/26/2024	Sb-124	-9.94E-01	9.18E-01	2.66E+00	U
WG	01	673734001	06/26/2024	Sb-125	-2.38E-01	1.14E+00	3.37E+00	U
WG	01	673734001	06/26/2024	Se-75	7.33E-01	5.20E-01	1.74E+00	U
WG	01	673734001	06/26/2024	Th-228	8.72E-01	1.38E+00	3.25E+00	U
WG	01	673734001	06/26/2024	Zn-65	4.45E-01	9.28E-01	2.81E+00	U
WG	01	673734001	06/26/2024	Zr-95	4.28E-01	7.65E-01	2.49E+00	U
WG	01	696804001	11/13/2024	Ac-228	-4.60E+00	2.93E+00	5.68E+00	U
WG	01	696804001	11/13/2024	Ag-108m	-1.06E-01	3.35E-01	1.11E+00	U
WG	01	696804001	11/13/2024	Ag-110m	3.57E-01	5.65E-01	1.85E+00	U
WG	01	696804001	11/13/2024	Ba-140	-2.76E+00	2.48E+00	7.64E+00	U
WG	01	696804001	11/13/2024	Be-7	-9.25E-01	3.61E+00	1.19E+01	U
WG	01	696804001	11/13/2024	BETA	5.96E+00	1.29E+00	2.67E+00	
WG	01	696804001	11/13/2024	Bi-214	2.05E+01	2.89E+00	2.70E+00	
WG	01	696804001	11/13/2024	Ce-141	1.15E-01	7.97E-01	2.57E+00	U
WG	01	696804001	11/13/2024	Ce-144	-3.34E+00	2.88E+00	8.71E+00	U
WG	01	696804001	11/13/2024	Co-57	-6.08E-01	3.90E-01	1.14E+00	U
WG	01	696804001	11/13/2024	Co-58	-3.95E-01	4.06E-01	1.21E+00	U
WG	01	696804001	11/13/2024	Co-60	2.24E-01	3.87E-01	1.33E+00	U
WG	01	696804001	11/13/2024	Cr-51	7.13E-01	3.92E+00	1.35E+01	U
WG	01	696804001	11/13/2024	Cs-134	-5.47E-01	4.53E-01	1.32E+00	U
WG	01	696804001	11/13/2024	Cs-137	2.21E-01	4.11E-01	1.37E+00	U
WG	01	696804001	11/13/2024	Fe-59	-4.36E-01	8.96E-01	2.96E+00	U
WG	01	696804001	11/13/2024	H-3	1.63E+02	2.39E+02	7.68E+02	U
WG	01	696804001	11/13/2024	I-131	6.83E-01	8.51E-01	2.90E+00	U
WG	01	696804001	11/13/2024	K-40	-1.60E+00	1.07E+01	2.41E+01	U
WG	01	696804001	11/13/2024	La-140	1.35E+00	8.53E-01	2.64E+00	U
WG	01	696804001	11/13/2024	Mn-54	8.93E-01	4.60E-01	1.45E+00	U
WG	01	696804001	11/13/2024	Nb-95	0.00E+00	7.86E-01	1.30E+00	U
WG	01	696804001	11/13/2024	Pb-212	-1.48E+00	1.42E+00	3.09E+00	U
WG	01	696804001	11/13/2024	Pb-214	1.42E+01	2.60E+00	3.01E+00	
WG	01	696804001	11/13/2024	Ru-103	-1.30E+00	5.88E-01	1.34E+00	U
WG	01	696804001	11/13/2024	Ru-106	-5.08E-01	3.73E+00	1.22E+01	U
WG	01	696804001	11/13/2024	Sb-124	-1.62E+00	1.01E+00	2.67E+00	U
WG	01	696804001	11/13/2024	Sb-125	2.02E-01	1.08E+00	3.64E+00	U
WG	01	696804001	11/13/2024	Se-75	3.47E-01	5.72E-01	1.80E+00	U
WG	01	696804001	11/13/2024	Th-228	-1.48E+00	1.42E+00	3.09E+00	U
WG	01	696804001	11/13/2024	Zn-65	-2.64E-01	8.31E-01	2.43E+00	U
WG	01	696804001	11/13/2024	Zr-95	2.16E-01	7.36E-01	2.42E+00	U
WG	01	700785001	12/11/2024	Ac-228	-8.86E+00	7.19E+00	1.28E+01	U
WG	01	700785001	12/11/2024	Ag-108m	-3.01E-01	7.29E-01	2.36E+00	U
WG	01	700785001	12/11/2024	Ag-110m	-2.02E+00	1.72E+00	4.24E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	700785001	12/11/2024	Ba-140	-5.65E+00	4.30E+00	1.24E+01	U
WG	01	700785001	12/11/2024	Be-7	1.01E+01	7.83E+00	2.31E+01	U
WG	01	700785001	12/11/2024	BETA	6.78E+00	1.38E+00	2.73E+00	
WG	01	700785001	12/11/2024	Bi-214	0.00E+00	5.63E+00	9.17E+00	U
WG	01	700785001	12/11/2024	Ce-141	-6.96E-01	1.26E+00	3.95E+00	U
WG	01	700785001	12/11/2024	Ce-144	-4.51E+00	4.45E+00	1.36E+01	U
WG	01	700785001	12/11/2024	Co-57	-9.85E-02	5.62E-01	1.81E+00	U
WG	01	700785001	12/11/2024	Co-58	-2.02E-01	7.69E-01	2.56E+00	U
WG	01	700785001	12/11/2024	Co-60	1.50E+00	9.83E-01	3.06E+00	U
WG	01	700785001	12/11/2024	Cr-51	-1.97E+00	6.52E+00	2.18E+01	U
WG	01	700785001	12/11/2024	Cs-134	3.69E-01	9.82E-01	3.37E+00	U
WG	01	700785001	12/11/2024	Cs-137	2.93E-01	9.51E-01	3.08E+00	U
WG	01	700785001	12/11/2024	Fe-59	6.92E-02	1.58E+00	5.24E+00	U
WG	01	700785001	12/11/2024	H-3	-1.78E+02	2.63E+02	8.81E+02	U
WG	01	700785001	12/11/2024	I-131	2.83E+00	1.66E+00	5.38E+00	U
WG	01	700785001	12/11/2024	K-40	1.39E+01	2.05E+01	2.62E+01	U
WG	01	700785001	12/11/2024	La-140	-2.45E+00	1.30E+00	3.04E+00	U
WG	01	700785001	12/11/2024	Mn-54	2.46E-01	8.70E-01	2.97E+00	U
WG	01	700785001	12/11/2024	Nb-95	-1.60E+00	1.04E+00	3.05E+00	U
WG	01	700785001	12/11/2024	Pb-212	2.69E+00	2.63E+00	4.20E+00	U
WG	01	700785001	12/11/2024	Pb-214	0.00E+00	5.39E+00	8.38E+00	U
WG	01	700785001	12/11/2024	Ru-103	-4.21E-01	9.82E-01	3.15E+00	U
WG	01	700785001	12/11/2024	Ru-106	4.83E+00	8.10E+00	2.40E+01	U
WG	01	700785001	12/11/2024	Sb-124	2.15E+00	2.05E+00	7.25E+00	U
WG	01	700785001	12/11/2024	Sb-125	2.23E-02	2.07E+00	6.86E+00	U
WG	01	700785001	12/11/2024	Se-75	8.92E-01	9.13E-01	3.12E+00	U
WG	01	700785001	12/11/2024	Th-228	2.69E+00	2.63E+00	4.20E+00	U
WG	01	700785001	12/11/2024	Zn-65	2.25E+00	1.91E+00	5.91E+00	U
WG	01	700785001	12/11/2024	Zr-95	1.49E-02	1.48E+00	5.05E+00	U
WG	13	662491002	03/18/2024	Ac-228	1.59E+00	3.72E+00	4.42E+00	U
WG	13	662491002	03/18/2024	Ag-108m	1.60E-01	3.22E-01	1.06E+00	U
WG	13	662491002	03/18/2024	Ag-110m	6.45E-01	5.13E-01	1.72E+00	U
WG	13	662491002	03/18/2024	Ba-140	5.89E+00	5.81E+00	1.88E+01	U DL
WG	13	662491002	03/18/2024	Be-7	-4.86E+00	4.64E+00	1.27E+01	U
WG	13	662491002	03/18/2024	BETA	1.02E+00	8.66E-01	2.59E+00	U
WG	13	662491002	03/18/2024	Bi-214	0.00E+00	1.69E+00	2.29E+00	U
WG	13	662491002	03/18/2024	Ce-141	-1.60E-01	1.06E+00	3.07E+00	U
WG	13	662491002	03/18/2024	Ce-144	7.92E-01	4.77E+00	8.02E+00	U
WG	13	662491002	03/18/2024	Co-57	3.84E-01	3.37E-01	1.05E+00	U
WG	13	662491002	03/18/2024	Co-58	2.76E-01	4.18E-01	1.42E+00	U
WG	13	662491002	03/18/2024	Co-60	2.29E-01	3.47E-01	1.15E+00	U
WG	13	662491002	03/18/2024	Cr-51	-1.93E+01	9.72E+00	1.87E+01	U
WG	13	662491002	03/18/2024	Cs-134	4.95E-01	4.02E-01	1.35E+00	U
WG	13	662491002	03/18/2024	Cs-137	2.28E-01	3.98E-01	1.28E+00	U
WG	13	662491002	03/18/2024	Fe-59	-3.34E-01	9.38E-01	3.05E+00	U
WG	13	662491002	03/18/2024	H-3	-8.33E+00	1.02E+02	3.38E+02	U
WG	13	662491002	03/18/2024	I-131	2.84E+00	3.85E+00	1.28E+01	U
WG	13	662491002	03/18/2024	K-40	9.12E+00	1.16E+01	1.16E+01	U
WG	13	662491002	03/18/2024	La-140	5.04E-01	1.85E+00	5.99E+00	U
WG	13	662491002	03/18/2024	Mn-54	2.64E-01	3.53E-01	1.20E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	662491002	03/18/2024	Nb-95	-1.96E+00	9.65E-01	1.43E+00	U
WG	13	662491002	03/18/2024	Pb-212	1.47E+00	1.83E+00	2.05E+00	U
WG	13	662491002	03/18/2024	Pb-214	-6.75E-01	1.54E+00	2.98E+00	U
WG	13	662491002	03/18/2024	Ru-103	-2.45E+00	1.04E+00	1.72E+00	U
WG	13	662491002	03/18/2024	Ru-106	1.27E+00	3.44E+00	1.11E+01	U
WG	13	662491002	03/18/2024	Sb-124	5.47E-01	1.01E+00	3.46E+00	U
WG	13	662491002	03/18/2024	Sb-125	-4.42E-01	1.05E+00	3.03E+00	U
WG	13	662491002	03/18/2024	Se-75	-1.79E-01	5.10E-01	1.71E+00	U
WG	13	662491002	03/18/2024	Th-228	1.47E+00	1.83E+00	2.05E+00	U
WG	13	662491002	03/18/2024	Zn-65	8.19E-01	7.96E-01	2.37E+00	U
WG	13	662491002	03/18/2024	Zr-95	-8.69E-01	1.87E+00	2.62E+00	U
WG	13	673734002	06/26/2024	Ac-228	2.40E-01	3.31E+00	6.10E+00	U
WG	13	673734002	06/26/2024	Ag-108m	1.93E-02	3.42E-01	1.16E+00	U
WG	13	673734002	06/26/2024	Ag-110m	4.11E-01	5.29E-01	1.73E+00	U
WG	13	673734002	06/26/2024	Ba-140	7.32E-01	1.89E+00	6.32E+00	U
WG	13	673734002	06/26/2024	Be-7	1.78E+00	3.51E+00	1.07E+01	U
WG	13	673734002	06/26/2024	BETA	3.75E+00	1.08E+00	2.58E+00	M
WG	13	673734002	06/26/2024	Bi-214	0.00E+00	2.24E+00	3.72E+00	U
WG	13	673734002	06/26/2024	Ce-141	1.23E+00	7.57E-01	2.36E+00	U
WG	13	673734002	06/26/2024	Ce-144	-7.16E+00	4.17E+00	8.61E+00	U
WG	13	673734002	06/26/2024	Co-57	1.61E-01	3.46E-01	1.14E+00	U
WG	13	673734002	06/26/2024	Co-58	4.92E-01	3.99E-01	1.30E+00	U
WG	13	673734002	06/26/2024	Co-60	-9.66E-02	3.89E-01	1.27E+00	U
WG	13	673734002	06/26/2024	Cr-51	5.43E+00	4.03E+00	1.35E+01	U
WG	13	673734002	06/26/2024	Cs-134	-2.69E-01	4.17E-01	1.22E+00	U
WG	13	673734002	06/26/2024	Cs-137	-1.26E-01	4.14E-01	1.34E+00	U
WG	13	673734002	06/26/2024	Fe-59	1.85E+00	8.89E-01	2.88E+00	U
WG	13	673734002	06/26/2024	H-3	8.65E+01	2.02E+02	6.46E+02	U
WG	13	673734002	06/26/2024	I-131	-3.34E+00	1.42E+00	2.46E+00	U
WG	13	673734002	06/26/2024	K-40	-1.12E+01	9.73E+00	2.14E+01	U
WG	13	673734002	06/26/2024	La-140	4.43E-01	6.90E-01	2.33E+00	U
WG	13	673734002	06/26/2024	Mn-54	-9.17E-01	6.31E-01	1.15E+00	U
WG	13	673734002	06/26/2024	Nb-95	6.19E-02	4.30E-01	1.40E+00	U
WG	13	673734002	06/26/2024	Pb-212	0.00E+00	1.63E+00	2.42E+00	U
WG	13	673734002	06/26/2024	Pb-214	0.00E+00	2.86E+00	3.53E+00	U
WG	13	673734002	06/26/2024	Ru-103	2.52E-01	4.45E-01	1.35E+00	U
WG	13	673734002	06/26/2024	Ru-106	7.64E-01	3.48E+00	1.15E+01	U
WG	13	673734002	06/26/2024	Sb-124	0.00E+00	1.89E+00	3.50E+00	U
WG	13	673734002	06/26/2024	Sb-125	-3.02E+00	1.55E+00	3.39E+00	U
WG	13	673734002	06/26/2024	Se-75	-3.61E-01	5.78E-01	1.76E+00	U
WG	13	673734002	06/26/2024	Th-228	0.00E+00	1.63E+00	2.42E+00	U
WG	13	673734002	06/26/2024	Zn-65	5.56E-01	8.26E-01	2.84E+00	U
WG	13	673734002	06/26/2024	Zr-95	-9.00E-01	7.19E-01	2.09E+00	U
WG	13	696804002	11/13/2024	Ac-228	5.65E+00	4.73E+00	7.43E+00	U
WG	13	696804002	11/13/2024	Ag-108m	9.72E-01	4.92E-01	1.55E+00	U
WG	13	696804002	11/13/2024	Ag-110m	3.52E-01	6.55E-01	2.14E+00	U
WG	13	696804002	11/13/2024	Ba-140	1.18E+00	2.74E+00	8.78E+00	U
WG	13	696804002	11/13/2024	Be-7	-9.99E-01	4.54E+00	1.35E+01	U
WG	13	696804002	11/13/2024	BETA	4.97E+00	1.22E+00	2.71E+00	

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	696804002	11/13/2024	Bi-214	-4.31E-01	2.21E+00	3.91E+00	U
WG	13	696804002	11/13/2024	Ce-141	-1.54E+00	9.59E-01	2.79E+00	U
WG	13	696804002	11/13/2024	Ce-144	-3.35E+00	3.21E+00	9.92E+00	U
WG	13	696804002	11/13/2024	Co-57	5.13E-02	4.17E-01	1.36E+00	U
WG	13	696804002	11/13/2024	Co-58	-4.32E-01	8.39E-01	1.67E+00	U
WG	13	696804002	11/13/2024	Co-60	1.59E-01	4.21E-01	1.43E+00	U
WG	13	696804002	11/13/2024	Cr-51	-9.86E-01	4.60E+00	1.57E+01	U
WG	13	696804002	11/13/2024	Cs-134	4.26E-01	5.37E-01	1.76E+00	U
WG	13	696804002	11/13/2024	Cs-137	-3.28E-01	4.87E-01	1.54E+00	U
WG	13	696804002	11/13/2024	Fe-59	1.82E-01	9.07E-01	3.10E+00	U
WG	13	696804002	11/13/2024	H-3	2.39E+02	2.31E+02	7.32E+02	U
WG	13	696804002	11/13/2024	I-131	-3.97E+00	1.78E+00	3.25E+00	U
WG	13	696804002	11/13/2024	K-40	4.16E-01	1.29E+01	1.32E+01	U
WG	13	696804002	11/13/2024	La-140	-3.56E-01	7.83E-01	2.49E+00	U
WG	13	696804002	11/13/2024	Mn-54	6.13E-02	5.03E-01	1.63E+00	U
WG	13	696804002	11/13/2024	Nb-95	-1.53E+00	8.48E-01	1.53E+00	U
WG	13	696804002	11/13/2024	Pb-212	1.44E+00	1.87E+00	3.50E+00	U
WG	13	696804002	11/13/2024	Pb-214	3.62E-01	2.31E+00	3.98E+00	U
WG	13	696804002	11/13/2024	Ru-103	-3.21E-01	5.31E-01	1.73E+00	U
WG	13	696804002	11/13/2024	Ru-106	1.19E+01	6.79E+00	1.28E+01	U
WG	13	696804002	11/13/2024	Sb-124	-4.87E-01	1.09E+00	3.47E+00	U
WG	13	696804002	11/13/2024	Sb-125	-2.60E+00	2.01E+00	4.37E+00	U
WG	13	696804002	11/13/2024	Se-75	1.01E+00	7.21E-01	2.21E+00	U
WG	13	696804002	11/13/2024	Th-228	1.44E+00	1.87E+00	3.50E+00	U
WG	13	696804002	11/13/2024	Zn-65	2.08E-01	8.41E-01	2.88E+00	U
WG	13	696804002	11/13/2024	Zr-95	3.11E-02	9.02E-01	2.94E+00	U
WG	13	700785002	12/11/2024	Ac-228	7.84E+00	5.99E+00	9.55E+00	U
WG	13	700785002	12/11/2024	Ag-108m	-4.80E-01	6.19E-01	1.91E+00	U
WG	13	700785002	12/11/2024	Ag-110m	-8.26E-01	8.42E-01	2.60E+00	U
WG	13	700785002	12/11/2024	Ba-140	-5.68E-01	3.04E+00	1.02E+01	U
WG	13	700785002	12/11/2024	Be-7	-5.01E+00	5.85E+00	1.78E+01	U
WG	13	700785002	12/11/2024	BETA	6.99E+00	1.58E+00	3.55E+00	
WG	13	700785002	12/11/2024	Bi-214	0.00E+00	2.42E+00	5.35E+00	U
WG	13	700785002	12/11/2024	Ce-141	3.67E+00	1.64E+00	4.49E+00	U
WG	13	700785002	12/11/2024	Ce-144	2.87E+00	4.85E+00	1.60E+01	U
WG	13	700785002	12/11/2024	Co-57	-3.99E-01	6.23E-01	2.02E+00	U
WG	13	700785002	12/11/2024	Co-58	-4.57E-01	6.01E-01	1.90E+00	U
WG	13	700785002	12/11/2024	Co-60	8.27E-01	6.96E-01	2.34E+00	U
WG	13	700785002	12/11/2024	Cr-51	6.09E+00	6.90E+00	2.24E+01	U
WG	13	700785002	12/11/2024	Cs-134	3.59E-01	6.50E-01	2.20E+00	U
WG	13	700785002	12/11/2024	Cs-137	-6.46E-01	6.33E-01	1.98E+00	U
WG	13	700785002	12/11/2024	Fe-59	9.76E-01	1.22E+00	4.12E+00	U
WG	13	700785002	12/11/2024	H-3	-1.37E+02	2.72E+02	9.06E+02	U
WG	13	700785002	12/11/2024	I-131	-1.49E+00	1.39E+00	4.19E+00	U
WG	13	700785002	12/11/2024	K-40	0.00E+00	1.66E+01	1.67E+01	U
WG	13	700785002	12/11/2024	La-140	1.10E+00	1.20E+00	4.03E+00	U
WG	13	700785002	12/11/2024	Mn-54	4.65E-01	6.15E-01	2.08E+00	U
WG	13	700785002	12/11/2024	Nb-95	5.68E-01	7.85E-01	2.33E+00	U
WG	13	700785002	12/11/2024	Pb-212	1.32E+00	3.08E+00	5.32E+00	U
WG	13	700785002	12/11/2024	Pb-214	2.25E+00	2.97E+00	5.71E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	700785002	12/11/2024	Ru-103	-1.27E+00	7.95E-01	2.22E+00	U
WG	13	700785002	12/11/2024	Ru-106	-2.73E+00	9.18E+00	1.95E+01	U
WG	13	700785002	12/11/2024	Sb-124	-6.63E-01	1.43E+00	4.44E+00	U
WG	13	700785002	12/11/2024	Sb-125	-2.63E+00	1.94E+00	5.65E+00	U
WG	13	700785002	12/11/2024	Se-75	-1.06E+00	1.13E+00	3.03E+00	U
WG	13	700785002	12/11/2024	Th-228	1.32E+00	3.08E+00	5.32E+00	U
WG	13	700785002	12/11/2024	Zn-65	-1.59E-01	1.44E+00	4.08E+00	U
WG	13	700785002	12/11/2024	Zr-95	-1.92E+00	1.23E+00	3.59E+00	U
WG	14	662491003	03/18/2024	Ac-228	-4.00E+00	3.06E+00	5.55E+00	U
WG	14	662491003	03/18/2024	Ag-108m	2.97E-01	3.19E-01	1.06E+00	U
WG	14	662491003	03/18/2024	Ag-110m	-4.46E-01	4.92E-01	1.48E+00	U
WG	14	662491003	03/18/2024	Ba-140	-2.19E+01	1.17E+01	1.78E+01	U DL
WG	14	662491003	03/18/2024	Be-7	8.47E+00	4.35E+00	1.35E+01	U
WG	14	662491003	03/18/2024	BETA	3.29E+00	1.06E+00	2.65E+00	M
WG	14	662491003	03/18/2024	Bi-214	1.08E+00	1.63E+00	2.25E+00	U
WG	14	662491003	03/18/2024	Ce-141	2.07E+00	2.19E+00	3.11E+00	U
WG	14	662491003	03/18/2024	Ce-144	9.87E-01	2.60E+00	8.30E+00	U
WG	14	662491003	03/18/2024	Co-57	-1.16E-01	3.41E-01	1.08E+00	U
WG	14	662491003	03/18/2024	Co-58	-6.77E-01	9.40E-01	1.52E+00	U
WG	14	662491003	03/18/2024	Co-60	-1.89E-01	3.23E-01	1.04E+00	U
WG	14	662491003	03/18/2024	Cr-51	1.18E+01	6.14E+00	1.93E+01	U
WG	14	662491003	03/18/2024	Cs-134	9.11E-01	5.76E-01	1.26E+00	U
WG	14	662491003	03/18/2024	Cs-137	1.61E-01	7.67E-01	1.19E+00	U
WG	14	662491003	03/18/2024	Fe-59	-5.99E-01	9.52E-01	3.11E+00	U
WG	14	662491003	03/18/2024	H-3	-2.95E+01	1.01E+02	3.38E+02	U
WG	14	662491003	03/18/2024	I-131	5.15E+00	4.14E+00	1.37E+01	U
WG	14	662491003	03/18/2024	K-40	3.42E+00	1.13E+01	1.07E+01	U
WG	14	662491003	03/18/2024	La-140	3.26E+00	2.13E+00	6.34E+00	U
WG	14	662491003	03/18/2024	Mn-54	4.59E-01	3.87E-01	1.24E+00	U
WG	14	662491003	03/18/2024	Nb-95	-1.51E+00	8.80E-01	1.38E+00	U
WG	14	662491003	03/18/2024	Pb-212	-1.12E+00	1.18E+00	2.57E+00	U
WG	14	662491003	03/18/2024	Pb-214	9.54E-01	2.36E+00	3.00E+00	U
WG	14	662491003	03/18/2024	Ru-103	1.52E-03	7.26E-01	1.70E+00	U
WG	14	662491003	03/18/2024	Ru-106	-2.69E+00	3.30E+00	1.03E+01	U
WG	14	662491003	03/18/2024	Sb-124	-1.55E+00	9.89E-01	2.70E+00	U
WG	14	662491003	03/18/2024	Sb-125	-1.40E-01	9.60E-01	3.19E+00	U
WG	14	662491003	03/18/2024	Se-75	-3.02E-01	5.29E-01	1.78E+00	U
WG	14	662491003	03/18/2024	Th-228	-1.12E+00	1.18E+00	2.57E+00	U
WG	14	662491003	03/18/2024	Zn-65	2.74E-01	7.46E-01	2.54E+00	U
WG	14	662491003	03/18/2024	Zr-95	-9.97E-01	9.39E-01	2.48E+00	U
WG	14	673734003	06/26/2024	Ac-228	-2.51E+00	3.17E+00	6.58E+00	U
WG	14	673734003	06/26/2024	Ag-108m	-2.11E-01	3.99E-01	1.26E+00	U
WG	14	673734003	06/26/2024	Ag-110m	-2.90E-02	6.53E-01	1.92E+00	U
WG	14	673734003	06/26/2024	Ba-140	-1.05E+01	4.93E+00	7.23E+00	U
WG	14	673734003	06/26/2024	Be-7	8.83E-01	4.18E+00	1.35E+01	U
WG	14	673734003	06/26/2024	BETA	2.73E+00	9.70E-01	2.50E+00	M
WG	14	673734003	06/26/2024	Bi-214	2.71E+01	2.98E+00	3.01E+00	U
WG	14	673734003	06/26/2024	Ce-141	3.18E-02	1.47E+00	2.83E+00	U
WG	14	673734003	06/26/2024	Ce-144	1.10E+00	3.21E+00	1.08E+01	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	673734003	06/26/2024	Co-57	3.49E-01	4.37E-01	1.46E+00	U
WG	14	673734003	06/26/2024	Co-58	4.30E-01	4.44E-01	1.50E+00	U
WG	14	673734003	06/26/2024	Co-60	1.98E-01	4.72E-01	1.57E+00	U
WG	14	673734003	06/26/2024	Cr-51	6.06E+00	5.68E+00	1.53E+01	U
WG	14	673734003	06/26/2024	Cs-134	-1.93E-01	5.19E-01	1.59E+00	U
WG	14	673734003	06/26/2024	Cs-137	-7.10E-01	1.00E+00	1.96E+00	U
WG	14	673734003	06/26/2024	Fe-59	4.83E-01	9.17E-01	3.08E+00	U
WG	14	673734003	06/26/2024	H-3	-1.24E+02	2.01E+02	6.86E+02	U
WG	14	673734003	06/26/2024	I-131	8.90E-01	9.55E-01	3.10E+00	U
WG	14	673734003	06/26/2024	K-40	1.16E+00	1.14E+01	1.49E+01	U
WG	14	673734003	06/26/2024	La-140	-2.72E-01	8.46E-01	2.69E+00	U
WG	14	673734003	06/26/2024	Mn-54	-3.38E-01	4.44E-01	1.43E+00	U
WG	14	673734003	06/26/2024	Nb-95	8.28E-01	5.50E-01	1.64E+00	U
WG	14	673734003	06/26/2024	Pb-212	-3.44E+00	2.32E+00	3.92E+00	U
WG	14	673734003	06/26/2024	Pb-214	2.84E+01	3.17E+00	3.23E+00	
WG	14	673734003	06/26/2024	Ru-103	-3.74E-01	5.61E-01	1.53E+00	U
WG	14	673734003	06/26/2024	Ru-106	-1.08E+00	3.93E+00	1.23E+01	U
WG	14	673734003	06/26/2024	Sb-124	2.15E+00	1.20E+00	3.92E+00	U
WG	14	673734003	06/26/2024	Sb-125	3.28E+00	1.46E+00	4.31E+00	U
WG	14	673734003	06/26/2024	Se-75	-2.36E-02	6.57E-01	2.16E+00	U
WG	14	673734003	06/26/2024	Th-228	-3.44E+00	2.32E+00	3.92E+00	U
WG	14	673734003	06/26/2024	Zn-65	8.60E-01	1.10E+00	3.28E+00	U
WG	14	673734003	06/26/2024	Zr-95	2.81E-01	7.67E-01	2.61E+00	U
WG	14	696804003	11/13/2024	Ac-228	-3.30E+00	3.47E+00	6.98E+00	U
WG	14	696804003	11/13/2024	Ag-108m	-6.29E-01	4.36E-01	1.32E+00	U
WG	14	696804003	11/13/2024	Ag-110m	-4.09E-02	6.43E-01	2.04E+00	U
WG	14	696804003	11/13/2024	Ba-140	-7.77E+00	3.95E+00	8.66E+00	U
WG	14	696804003	11/13/2024	Be-7	-8.87E+00	4.45E+00	1.23E+01	U
WG	14	696804003	11/13/2024	BETA	2.33E-01	9.12E-01	2.94E+00	U
WG	14	696804003	11/13/2024	Bi-214	1.24E+02	6.36E+00	3.17E+00	
WG	14	696804003	11/13/2024	Ce-141	-4.33E+00	1.75E+00	3.30E+00	U
WG	14	696804003	11/13/2024	Ce-144	-2.90E+00	3.77E+00	1.17E+01	U
WG	14	696804003	11/13/2024	Co-57	2.54E-01	4.71E-01	1.51E+00	U
WG	14	696804003	11/13/2024	Co-58	2.33E-01	5.24E-01	1.52E+00	U
WG	14	696804003	11/13/2024	Co-60	-5.10E-02	4.49E-01	1.48E+00	U
WG	14	696804003	11/13/2024	Cr-51	-8.58E+00	5.18E+00	1.57E+01	U
WG	14	696804003	11/13/2024	Cs-134	2.80E-01	5.02E-01	1.63E+00	U
WG	14	696804003	11/13/2024	Cs-137	2.14E-01	5.68E-01	1.67E+00	U
WG	14	696804003	11/13/2024	Fe-59	-4.88E-02	8.93E-01	3.01E+00	U
WG	14	696804003	11/13/2024	H-3	3.93E+01	2.27E+02	7.42E+02	U
WG	14	696804003	11/13/2024	I-131	4.70E-01	1.07E+00	3.60E+00	U
WG	14	696804003	11/13/2024	K-40	-1.01E+01	1.13E+01	2.22E+01	U
WG	14	696804003	11/13/2024	La-140	-1.62E+00	9.85E-01	2.72E+00	U
WG	14	696804003	11/13/2024	Mn-54	-7.02E-01	4.84E-01	1.37E+00	U
WG	14	696804003	11/13/2024	Nb-95	7.91E-01	5.77E-01	1.67E+00	U
WG	14	696804003	11/13/2024	Pb-212	2.15E+00	1.89E+00	3.06E+00	U
WG	14	696804003	11/13/2024	Pb-214	1.39E+02	7.43E+00	3.72E+00	
WG	14	696804003	11/13/2024	Ru-103	-9.28E-01	6.06E-01	1.58E+00	U
WG	14	696804003	11/13/2024	Ru-106	-6.37E+00	4.38E+00	1.28E+01	U
WG	14	696804003	11/13/2024	Sb-124	1.12E+00	1.33E+00	3.97E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	696804003	11/13/2024	Sb-125	-1.22E-01	1.28E+00	4.28E+00	U
WG	14	696804003	11/13/2024	Se-75	-8.54E-01	7.18E-01	2.32E+00	U
WG	14	696804003	11/13/2024	Th-228	2.15E+00	1.89E+00	3.06E+00	U
WG	14	696804003	11/13/2024	Zn-65	1.20E-01	1.31E+00	3.34E+00	U
WG	14	696804003	11/13/2024	Zr-95	-2.74E-02	8.87E-01	2.86E+00	U
WG	14	700785003	12/11/2024	Ac-228	2.91E+00	6.28E+00	1.09E+01	U
WG	14	700785003	12/11/2024	Ag-108m	-5.73E-01	8.02E-01	2.13E+00	U
WG	14	700785003	12/11/2024	Ag-110m	-4.43E-01	9.61E-01	2.98E+00	U
WG	14	700785003	12/11/2024	Ba-140	-3.14E+00	3.82E+00	1.21E+01	U
WG	14	700785003	12/11/2024	Be-7	2.29E+00	6.17E+00	2.08E+01	U
WG	14	700785003	12/11/2024	BETA	4.28E+00	1.03E+00	2.21E+00	
WG	14	700785003	12/11/2024	Bi-214	8.67E+01	6.07E+00	4.08E+00	
WG	14	700785003	12/11/2024	Ce-141	-1.66E-01	1.44E+00	4.64E+00	U
WG	14	700785003	12/11/2024	Ce-144	1.45E+00	5.10E+00	1.66E+01	U
WG	14	700785003	12/11/2024	Co-57	-1.04E+00	8.89E-01	2.26E+00	U
WG	14	700785003	12/11/2024	Co-58	-2.40E-02	6.83E-01	2.19E+00	U
WG	14	700785003	12/11/2024	Co-60	-3.56E+00	1.60E+00	3.03E+00	U
WG	14	700785003	12/11/2024	Cr-51	2.14E+00	7.04E+00	2.42E+01	U
WG	14	700785003	12/11/2024	Cs-134	2.43E-02	7.65E-01	2.47E+00	U
WG	14	700785003	12/11/2024	Cs-137	9.50E-01	7.29E-01	2.40E+00	U
WG	14	700785003	12/11/2024	Fe-59	2.70E-01	1.56E+00	4.95E+00	U
WG	14	700785003	12/11/2024	H-3	-3.59E+01	2.55E+02	8.41E+02	U
WG	14	700785003	12/11/2024	I-131	1.55E+00	1.45E+00	4.89E+00	U
WG	14	700785003	12/11/2024	K-40	4.59E+01	1.55E+01	1.62E+01	
WG	14	700785003	12/11/2024	La-140	-1.19E+00	1.54E+00	4.03E+00	U
WG	14	700785003	12/11/2024	Mn-54	-5.90E-01	7.52E-01	2.00E+00	U
WG	14	700785003	12/11/2024	Nb-95	1.05E+00	8.21E-01	2.44E+00	U
WG	14	700785003	12/11/2024	Pb-212	0.00E+00	3.27E+00	4.25E+00	U
WG	14	700785003	12/11/2024	Pb-214	9.17E+01	6.48E+00	5.02E+00	
WG	14	700785003	12/11/2024	Ru-103	9.56E-02	7.67E-01	2.56E+00	U
WG	14	700785003	12/11/2024	Ru-106	3.08E-01	5.95E+00	1.96E+01	U
WG	14	700785003	12/11/2024	Sb-124	-1.18E+00	1.87E+00	5.77E+00	U
WG	14	700785003	12/11/2024	Sb-125	-6.80E-02	1.91E+00	6.42E+00	U
WG	14	700785003	12/11/2024	Se-75	-2.44E+00	1.23E+00	3.18E+00	U
WG	14	700785003	12/11/2024	Th-228	0.00E+00	3.27E+00	4.25E+00	U
WG	14	700785003	12/11/2024	Zn-65	-1.63E+00	2.19E+00	5.16E+00	U
WG	14	700785003	12/11/2024	Zr-95	-1.83E+00	1.70E+00	3.69E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	653536001	01/22/2024	Ac-228	-7.04E+00	3.72E+00	6.23E+00	U
WS	01	653536001	01/22/2024	Ag-108m	1.36E-01	3.47E-01	1.18E+00	U
WS	01	653536001	01/22/2024	Ag-110m	2.78E-01	5.96E-01	1.93E+00	U
WS	01	653536001	01/22/2024	Ba-140	5.74E+00	3.95E+00	7.71E+00	U
WS	01	653536001	01/22/2024	Be-7	9.98E-01	3.65E+00	1.23E+01	U
WS	01	653536001	01/22/2024	Bi-214	0.00E+00	2.71E+00	3.49E+00	U
WS	01	653536001	01/22/2024	Ce-141	-1.19E+00	1.23E+00	2.64E+00	U
WS	01	653536001	01/22/2024	Ce-144	6.57E-01	2.89E+00	9.42E+00	U
WS	01	653536001	01/22/2024	Co-57	3.90E-01	3.93E-01	1.27E+00	U
WS	01	653536001	01/22/2024	Co-58	-1.76E-01	4.45E-01	1.40E+00	U
WS	01	653536001	01/22/2024	Co-60	4.91E-01	4.26E-01	1.45E+00	U
WS	01	653536001	01/22/2024	Cr-51	-6.89E+00	4.49E+00	1.38E+01	U
WS	01	653536001	01/22/2024	Cs-134	2.95E-01	4.67E-01	1.53E+00	U
WS	01	653536001	01/22/2024	Cs-137	-4.61E-01	4.34E-01	1.32E+00	U
WS	01	653536001	01/22/2024	Fe-59	-1.41E+00	1.04E+00	3.15E+00	U
WS	01	653536001	01/22/2024	I-131	-2.12E+00	1.14E+00	3.31E+00	U
WS	01	653536001	01/22/2024	K-40	3.16E+02	2.42E+01	1.26E+01	
WS	01	653536001	01/22/2024	La-140	-5.52E-01	9.59E-01	3.01E+00	U
WS	01	653536001	01/22/2024	Mn-54	-5.73E-02	4.46E-01	1.42E+00	U
WS	01	653536001	01/22/2024	Nb-95	-9.02E-02	4.43E-01	1.42E+00	U
WS	01	653536001	01/22/2024	Pb-212	-1.40E+00	1.62E+00	3.12E+00	U
WS	01	653536001	01/22/2024	Pb-214	2.18E+00	1.33E+00	3.24E+00	U
WS	01	653536001	01/22/2024	Ru-103	-3.71E-02	5.28E-01	1.57E+00	U
WS	01	653536001	01/22/2024	Ru-106	3.89E+00	3.87E+00	1.28E+01	U
WS	01	653536001	01/22/2024	Sb-124	-1.16E-01	1.18E+00	3.84E+00	U
WS	01	653536001	01/22/2024	Sb-125	4.52E-01	1.01E+00	3.43E+00	U
WS	01	653536001	01/22/2024	Se-75	-4.72E-02	5.98E-01	1.87E+00	U
WS	01	653536001	01/22/2024	Th-228	-1.40E+00	1.62E+00	3.12E+00	U
WS	01	653536001	01/22/2024	Zn-65	-2.52E+00	1.61E+00	3.00E+00	U
WS	01	653536001	01/22/2024	Zr-95	7.79E-02	7.38E-01	2.40E+00	U
WS	01	656676001	02/20/2024	Ac-228	5.90E+00	4.49E+00	8.72E+00	U
WS	01	656676001	02/20/2024	Ag-108m	-1.21E+00	5.85E-01	1.49E+00	U
WS	01	656676001	02/20/2024	Ag-110m	-1.27E-01	7.80E-01	2.51E+00	U
WS	01	656676001	02/20/2024	Ba-140	-4.67E+00	3.01E+00	8.93E+00	U
WS	01	656676001	02/20/2024	Be-7	5.52E+00	4.63E+00	1.56E+01	U
WS	01	656676001	02/20/2024	Bi-214	-3.54E+00	2.21E+00	4.53E+00	U
WS	01	656676001	02/20/2024	Ce-141	1.08E+00	2.16E+00	3.24E+00	U
WS	01	656676001	02/20/2024	Ce-144	-1.91E+00	3.68E+00	1.22E+01	U
WS	01	656676001	02/20/2024	Co-57	2.65E-03	4.92E-01	1.67E+00	U
WS	01	656676001	02/20/2024	Co-58	4.48E-01	5.47E-01	1.82E+00	U
WS	01	656676001	02/20/2024	Co-60	1.27E-01	5.68E-01	1.91E+00	U
WS	01	656676001	02/20/2024	Cr-51	-4.66E+00	5.69E+00	1.77E+01	U
WS	01	656676001	02/20/2024	Cs-134	0.00E+00	1.29E+00	2.15E+00	U
WS	01	656676001	02/20/2024	Cs-137	1.12E+00	6.48E-01	2.08E+00	U
WS	01	656676001	02/20/2024	Fe-59	-7.78E-01	1.26E+00	4.10E+00	U
WS	01	656676001	02/20/2024	I-131	-2.23E-01	1.14E+00	3.62E+00	U
WS	01	656676001	02/20/2024	K-40	3.33E+02	2.64E+01	2.00E+01	
WS	01	656676001	02/20/2024	La-140	-8.75E-01	1.08E+00	3.33E+00	U
WS	01	656676001	02/20/2024	Mn-54	-7.76E-01	5.72E-01	1.66E+00	U
WS	01	656676001	02/20/2024	Nb-95	-6.87E-01	9.60E-01	2.02E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	656676001	02/20/2024	Pb-212	-1.37E+00	1.76E+00	4.17E+00	U
WS	01	656676001	02/20/2024	Pb-214	-2.06E+00	2.08E+00	4.37E+00	U
WS	01	656676001	02/20/2024	Ru-103	-8.25E-01	6.08E-01	1.87E+00	U
WS	01	656676001	02/20/2024	Ru-106	8.64E+00	5.49E+00	1.79E+01	U
WS	01	656676001	02/20/2024	Sb-124	8.85E-01	1.45E+00	4.86E+00	U
WS	01	656676001	02/20/2024	Sb-125	9.59E-02	1.53E+00	4.86E+00	U
WS	01	656676001	02/20/2024	Se-75	3.21E-02	7.64E-01	2.38E+00	U
WS	01	656676001	02/20/2024	Th-228	-1.37E+00	1.76E+00	4.17E+00	U
WS	01	656676001	02/20/2024	Zn-65	-2.19E+00	1.32E+00	3.81E+00	U
WS	01	656676001	02/20/2024	Zr-95	3.38E-01	9.67E-01	3.21E+00	U
WS	01	660694001	03/19/2024	Ac-228	-3.75E-01	4.62E+00	9.81E+00	U
WS	01	660694001	03/19/2024	Ag-108m	5.20E-01	5.45E-01	1.77E+00	U
WS	01	660694001	03/19/2024	Ag-110m	-5.88E-01	9.13E-01	2.93E+00	U
WS	01	660694001	03/19/2024	Ba-140	2.69E-01	4.11E+00	1.32E+01	U
WS	01	660694001	03/19/2024	Be-7	6.56E+00	5.76E+00	1.85E+01	U
WS	01	660694001	03/19/2024	Bi-214	0.00E+00	2.98E+00	4.66E+00	U
WS	01	660694001	03/19/2024	Ce-141	4.41E-01	9.89E-01	3.11E+00	U
WS	01	660694001	03/19/2024	Ce-144	-1.18E+00	3.12E+00	9.74E+00	U
WS	01	660694001	03/19/2024	Co-57	-5.13E-01	4.22E-01	1.26E+00	U
WS	01	660694001	03/19/2024	Co-58	-1.13E+00	7.23E-01	2.12E+00	U
WS	01	660694001	03/19/2024	Co-60	7.34E-01	7.08E-01	2.32E+00	U
WS	01	660694001	03/19/2024	Cr-51	8.81E+00	6.27E+00	2.03E+01	U
WS	01	660694001	03/19/2024	Cs-134	4.15E-01	7.22E-01	2.43E+00	U
WS	01	660694001	03/19/2024	Cs-137	6.98E-01	6.44E-01	2.18E+00	U
WS	01	660694001	03/19/2024	Fe-59	-1.67E+00	1.56E+00	4.67E+00	U
WS	01	660694001	03/19/2024	I-131	1.03E+00	1.84E+00	5.47E+00	U
WS	01	660694001	03/19/2024	K-40	2.85E+02	2.78E+01	2.23E+01	
WS	01	660694001	03/19/2024	La-140	-1.80E+00	1.66E+00	5.07E+00	U
WS	01	660694001	03/19/2024	Mn-54	-1.94E+00	7.43E-01	1.72E+00	U
WS	01	660694001	03/19/2024	Nb-95	-1.81E-01	6.36E-01	2.11E+00	U
WS	01	660694001	03/19/2024	Pb-212	-9.57E-03	1.62E+00	3.59E+00	U
WS	01	660694001	03/19/2024	Pb-214	4.65E-01	2.20E+00	4.55E+00	U
WS	01	660694001	03/19/2024	Ru-103	4.90E-02	7.95E-01	2.29E+00	U
WS	01	660694001	03/19/2024	Ru-106	-6.92E+00	8.87E+00	1.82E+01	U
WS	01	660694001	03/19/2024	Sb-124	1.66E+00	1.59E+00	5.43E+00	U
WS	01	660694001	03/19/2024	Sb-125	1.01E+00	1.56E+00	5.10E+00	U
WS	01	660694001	03/19/2024	Se-75	-2.47E-01	6.99E-01	2.33E+00	U
WS	01	660694001	03/19/2024	Th-228	-9.57E-03	1.62E+00	3.59E+00	U
WS	01	660694001	03/19/2024	Zn-65	-5.63E-01	1.39E+00	4.41E+00	U
WS	01	660694001	03/19/2024	Zr-95	5.47E-01	1.12E+00	3.80E+00	U
WS	01	665497001	03/19/2024	H-3	-1.24E+02	2.42E+02	8.23E+02	U
WS	01	664135001	04/15/2024	Ac-228	-2.80E+00	2.98E+00	6.94E+00	U
WS	01	664135001	04/15/2024	Ag-108m	-4.66E-01	4.16E-01	1.30E+00	U
WS	01	664135001	04/15/2024	Ag-110m	7.82E-01	6.79E-01	2.22E+00	U
WS	01	664135001	04/15/2024	Ba-140	4.66E-01	2.46E+00	8.24E+00	U
WS	01	664135001	04/15/2024	Be-7	3.54E+00	4.32E+00	1.46E+01	U
WS	01	664135001	04/15/2024	Bi-214	-5.98E-01	1.59E+00	3.79E+00	U
WS	01	664135001	04/15/2024	Ce-141	-2.01E+00	1.42E+00	2.59E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	664135001	04/15/2024	Ce-144	2.54E-01	3.28E+00	1.07E+01	U
WS	01	664135001	04/15/2024	Co-57	3.11E-01	4.32E-01	1.42E+00	U
WS	01	664135001	04/15/2024	Co-58	-5.10E-02	5.32E-01	1.71E+00	U
WS	01	664135001	04/15/2024	Co-60	-6.00E-01	5.20E-01	1.53E+00	U
WS	01	664135001	04/15/2024	Cr-51	-7.19E+00	5.14E+00	1.59E+01	U
WS	01	664135001	04/15/2024	Cs-134	1.77E-01	4.86E-01	1.59E+00	U
WS	01	664135001	04/15/2024	Cs-137	-2.31E-01	5.21E-01	1.66E+00	U
WS	01	664135001	04/15/2024	Fe-59	4.04E-02	1.08E+00	3.64E+00	U
WS	01	664135001	04/15/2024	I-131	1.94E-01	1.03E+00	3.52E+00	U
WS	01	664135001	04/15/2024	K-40	3.20E+02	2.76E+01	1.39E+01	
WS	01	664135001	04/15/2024	La-140	-1.71E-02	8.69E-01	2.84E+00	U
WS	01	664135001	04/15/2024	Mn-54	8.69E-01	8.44E-01	1.54E+00	U
WS	01	664135001	04/15/2024	Nb-95	1.37E-01	4.82E-01	1.58E+00	U
WS	01	664135001	04/15/2024	Pb-212	3.93E-01	1.86E+00	3.87E+00	U
WS	01	664135001	04/15/2024	Pb-214	3.53E+00	2.74E+00	4.04E+00	U
WS	01	664135001	04/15/2024	Ru-103	1.34E+00	7.94E-01	1.55E+00	U
WS	01	664135001	04/15/2024	Ru-106	3.64E+00	4.07E+00	1.36E+01	U
WS	01	664135001	04/15/2024	Sb-124	-1.31E+00	1.29E+00	3.74E+00	U
WS	01	664135001	04/15/2024	Sb-125	-1.01E+00	1.22E+00	3.90E+00	U
WS	01	664135001	04/15/2024	Se-75	5.52E-01	6.94E-01	2.19E+00	U
WS	01	664135001	04/15/2024	Th-228	3.93E-01	1.86E+00	3.87E+00	U
WS	01	664135001	04/15/2024	Zn-65	1.50E+00	1.16E+00	3.62E+00	U
WS	01	664135001	04/15/2024	Zr-95	-1.31E+00	1.02E+00	2.55E+00	U
WS	01	669548001	05/21/2024	Ac-228	3.36E+00	4.33E+00	8.94E+00	U
WS	01	669548001	05/21/2024	Ag-108m	3.66E-02	4.70E-01	1.59E+00	U
WS	01	669548001	05/21/2024	Ag-110m	-1.13E+00	7.32E-01	1.99E+00	U
WS	01	669548001	05/21/2024	Ba-140	-1.31E+00	3.55E+00	1.04E+01	U
WS	01	669548001	05/21/2024	Be-7	5.94E-01	4.57E+00	1.54E+01	U
WS	01	669548001	05/21/2024	Bi-214	2.02E+00	2.60E+00	3.54E+00	U
WS	01	669548001	05/21/2024	Ce-141	-2.43E+00	1.90E+00	3.25E+00	U
WS	01	669548001	05/21/2024	Ce-144	2.79E+00	3.75E+00	1.23E+01	U
WS	01	669548001	05/21/2024	Co-57	-2.33E-01	4.83E-01	1.58E+00	U
WS	01	669548001	05/21/2024	Co-58	6.19E-01	5.35E-01	1.76E+00	U
WS	01	669548001	05/21/2024	Co-60	-7.52E-01	5.54E-01	1.59E+00	U
WS	01	669548001	05/21/2024	Cr-51	1.03E+00	5.98E+00	1.87E+01	U
WS	01	669548001	05/21/2024	Cs-134	-1.50E-01	5.98E-01	1.91E+00	U
WS	01	669548001	05/21/2024	Cs-137	1.17E+00	6.54E-01	2.08E+00	U
WS	01	669548001	05/21/2024	Fe-59	-2.27E-01	1.22E+00	4.09E+00	U
WS	01	669548001	05/21/2024	I-131	-5.94E-01	1.40E+00	4.24E+00	U
WS	01	669548001	05/21/2024	K-40	2.95E+02	2.45E+01	1.59E+01	
WS	01	669548001	05/21/2024	La-140	-9.20E-01	1.11E+00	3.35E+00	U
WS	01	669548001	05/21/2024	Mn-54	-3.73E-01	5.82E-01	1.80E+00	U
WS	01	669548001	05/21/2024	Nb-95	5.90E-01	6.16E-01	2.02E+00	U
WS	01	669548001	05/21/2024	Pb-212	4.69E-01	1.93E+00	3.82E+00	U
WS	01	669548001	05/21/2024	Pb-214	-1.73E+00	1.92E+00	4.39E+00	U
WS	01	669548001	05/21/2024	Ru-103	2.79E-01	6.12E-01	1.87E+00	U
WS	01	669548001	05/21/2024	Ru-106	-5.33E+00	4.98E+00	1.52E+01	U
WS	01	669548001	05/21/2024	Sb-124	-5.11E-01	1.41E+00	4.47E+00	U
WS	01	669548001	05/21/2024	Sb-125	2.55E+00	2.35E+00	4.80E+00	U
WS	01	669548001	05/21/2024	Se-75	5.69E-01	7.74E-01	2.46E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	669548001	05/21/2024	Th-228	4.69E-01	1.93E+00	3.82E+00	U
WS	01	669548001	05/21/2024	Zn-65	1.56E+00	1.27E+00	3.93E+00	U
WS	01	669548001	05/21/2024	Zr-95	-2.24E+00	1.12E+00	2.86E+00	U
WS	01	673178001	06/17/2024	Ac-228	-1.63E+01	5.90E+00	7.64E+00	U
WS	01	673178001	06/17/2024	Ag-108m	4.41E-01	4.82E-01	1.63E+00	U
WS	01	673178001	06/17/2024	Ag-110m	-3.30E-01	7.59E-01	2.37E+00	U
WS	01	673178001	06/17/2024	Ba-140	1.77E+00	3.25E+00	1.09E+01	U
WS	01	673178001	06/17/2024	Be-7	2.92E+00	4.56E+00	1.54E+01	U
WS	01	673178001	06/17/2024	Bi-214	-1.73E+00	1.95E+00	4.44E+00	U
WS	01	673178001	06/17/2024	Ce-141	-9.89E-01	1.12E+00	3.50E+00	U
WS	01	673178001	06/17/2024	Ce-144	2.12E+00	3.87E+00	1.26E+01	U
WS	01	673178001	06/17/2024	Co-57	8.44E-02	4.75E-01	1.56E+00	U
WS	01	673178001	06/17/2024	Co-58	1.10E+00	6.11E-01	1.93E+00	U
WS	01	673178001	06/17/2024	Co-60	-2.31E+00	1.15E+00	2.47E+00	U
WS	01	673178001	06/17/2024	Cr-51	-1.48E+00	5.21E+00	1.77E+01	U
WS	01	673178001	06/17/2024	Cs-134	1.81E-01	5.67E-01	1.85E+00	U
WS	01	673178001	06/17/2024	Cs-137	-1.12E+00	8.69E-01	1.74E+00	U
WS	01	673178001	06/17/2024	Fe-59	-2.37E+00	1.84E+00	3.86E+00	U
WS	01	673178001	06/17/2024	I-131	6.36E-01	1.23E+00	4.20E+00	U
WS	01	673178001	06/17/2024	K-40	3.32E+02	2.97E+01	1.69E+01	
WS	01	673178001	06/17/2024	La-140	2.19E+00	2.17E+00	3.15E+00	U
WS	01	673178001	06/17/2024	Mn-54	3.31E-01	5.36E-01	1.75E+00	U
WS	01	673178001	06/17/2024	Nb-95	-5.43E-02	5.34E-01	1.72E+00	U
WS	01	673178001	06/17/2024	Pb-212	1.26E+00	2.77E+00	4.45E+00	U
WS	01	673178001	06/17/2024	Pb-214	-4.50E+00	2.61E+00	4.44E+00	U
WS	01	673178001	06/17/2024	Ru-103	-7.38E-01	6.80E-01	1.88E+00	U
WS	01	673178001	06/17/2024	Ru-106	-1.60E+00	5.10E+00	1.47E+01	U
WS	01	673178001	06/17/2024	Sb-124	5.79E-01	1.10E+00	3.72E+00	U
WS	01	673178001	06/17/2024	Sb-125	7.99E-01	1.36E+00	4.63E+00	U
WS	01	673178001	06/17/2024	Se-75	-1.10E+00	8.38E-01	2.41E+00	U
WS	01	673178001	06/17/2024	Th-228	1.26E+00	2.77E+00	4.45E+00	U
WS	01	673178001	06/17/2024	Zn-65	2.44E-01	1.17E+00	3.97E+00	U
WS	01	673178001	06/17/2024	Zr-95	-1.17E-01	8.90E-01	2.86E+00	U
WS	01	678734001	06/17/2024	H-3	-1.69E+02	2.31E+02	7.92E+02	U
WS	01	676672001	07/15/2024	Ac-228	-2.47E+00	3.14E+00	8.27E+00	U
WS	01	676672001	07/15/2024	Ag-108m	4.66E-01	4.73E-01	1.57E+00	U
WS	01	676672001	07/15/2024	Ag-110m	4.84E-01	6.99E-01	2.38E+00	U
WS	01	676672001	07/15/2024	Ba-140	4.38E+00	2.89E+00	9.29E+00	U
WS	01	676672001	07/15/2024	Be-7	-9.08E+00	5.15E+00	1.44E+01	U
WS	01	676672001	07/15/2024	Bi-214	6.29E-01	2.07E+00	3.73E+00	U
WS	01	676672001	07/15/2024	Ce-141	-1.78E+00	1.51E+00	2.86E+00	U
WS	01	676672001	07/15/2024	Ce-144	-3.42E+00	3.38E+00	1.03E+01	U
WS	01	676672001	07/15/2024	Co-57	-2.55E-01	4.56E-01	1.44E+00	U
WS	01	676672001	07/15/2024	Co-58	-1.93E-01	4.93E-01	1.63E+00	U
WS	01	676672001	07/15/2024	Co-60	3.04E-01	5.59E-01	1.85E+00	U
WS	01	676672001	07/15/2024	Cr-51	7.60E+00	4.92E+00	1.61E+01	U
WS	01	676672001	07/15/2024	Cs-134	3.09E-01	5.35E-01	1.83E+00	U
WS	01	676672001	07/15/2024	Cs-137	8.08E-01	6.01E-01	1.93E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	676672001	07/15/2024	Fe-59	2.58E+00	2.54E+00	3.34E+00	U
WS	01	676672001	07/15/2024	I-131	-2.45E-02	9.28E-01	3.10E+00	U
WS	01	676672001	07/15/2024	K-40	3.34E+02	2.60E+01	1.58E+01	
WS	01	676672001	07/15/2024	La-140	5.95E-01	8.46E-01	2.93E+00	U
WS	01	676672001	07/15/2024	Mn-54	-1.17E-01	4.99E-01	1.66E+00	U
WS	01	676672001	07/15/2024	Nb-95	-1.37E-01	5.13E-01	1.72E+00	U
WS	01	676672001	07/15/2024	Pb-212	2.64E-02	2.15E+00	3.66E+00	U
WS	01	676672001	07/15/2024	Pb-214	1.07E-01	2.28E+00	4.04E+00	U
WS	01	676672001	07/15/2024	Ru-103	-5.32E-01	5.66E-01	1.74E+00	U
WS	01	676672001	07/15/2024	Ru-106	4.99E+00	4.73E+00	1.54E+01	U
WS	01	676672001	07/15/2024	Sb-124	5.80E-01	1.20E+00	4.12E+00	U
WS	01	676672001	07/15/2024	Sb-125	-3.17E-01	1.35E+00	4.43E+00	U
WS	01	676672001	07/15/2024	Se-75	3.34E-01	6.37E-01	2.18E+00	U
WS	01	676672001	07/15/2024	Th-228	2.64E-02	2.15E+00	3.66E+00	U
WS	01	676672001	07/15/2024	Zn-65	-2.82E-01	1.29E+00	3.68E+00	U
WS	01	676672001	07/15/2024	Zr-95	-7.22E-01	9.68E-01	3.15E+00	U
WS	01	682478001	08/20/2024	Ac-228	6.24E+00	5.39E+00	9.04E+00	U
WS	01	682478001	08/20/2024	Ag-108m	2.94E-01	5.54E-01	1.88E+00	U
WS	01	682478001	08/20/2024	Ag-110m	-6.84E-01	8.59E-01	2.57E+00	U
WS	01	682478001	08/20/2024	Ba-140	1.72E+00	3.54E+00	1.19E+01	U
WS	01	682478001	08/20/2024	Be-7	1.08E+01	5.69E+00	1.84E+01	U
WS	01	682478001	08/20/2024	Bi-214	-1.52E+00	2.18E+00	5.17E+00	U
WS	01	682478001	08/20/2024	Ce-141	-1.77E+00	1.34E+00	4.02E+00	U
WS	01	682478001	08/20/2024	Ce-144	-1.53E+00	4.52E+00	1.46E+01	U
WS	01	682478001	08/20/2024	Co-57	2.80E-01	5.86E-01	1.93E+00	U
WS	01	682478001	08/20/2024	Co-58	-1.20E-01	6.38E-01	2.03E+00	U
WS	01	682478001	08/20/2024	Co-60	1.02E+00	8.21E-01	2.79E+00	U
WS	01	682478001	08/20/2024	Cr-51	6.25E+00	6.24E+00	2.14E+01	U
WS	01	682478001	08/20/2024	Cs-134	7.26E-01	6.66E-01	2.21E+00	U
WS	01	682478001	08/20/2024	Cs-137	1.20E+00	7.69E-01	2.50E+00	U
WS	01	682478001	08/20/2024	Fe-59	-2.66E+00	2.39E+00	4.22E+00	U
WS	01	682478001	08/20/2024	I-131	-1.17E+00	1.53E+00	5.00E+00	U
WS	01	682478001	08/20/2024	K-40	3.23E+02	3.00E+01	1.74E+01	
WS	01	682478001	08/20/2024	La-140	-1.24E+00	1.45E+00	3.67E+00	U
WS	01	682478001	08/20/2024	Mn-54	1.38E-01	6.20E-01	1.80E+00	U
WS	01	682478001	08/20/2024	Nb-95	-1.68E+00	1.68E+00	2.18E+00	U
WS	01	682478001	08/20/2024	Pb-212	3.04E+00	2.57E+00	3.96E+00	U
WS	01	682478001	08/20/2024	Pb-214	3.34E+00	3.56E+00	5.15E+00	U
WS	01	682478001	08/20/2024	Ru-103	3.27E-02	6.81E-01	2.04E+00	U
WS	01	682478001	08/20/2024	Ru-106	6.25E+00	5.45E+00	1.82E+01	U
WS	01	682478001	08/20/2024	Sb-124	1.86E+00	1.51E+00	5.23E+00	U
WS	01	682478001	08/20/2024	Sb-125	1.39E+00	1.64E+00	5.59E+00	U
WS	01	682478001	08/20/2024	Se-75	1.18E+00	9.78E-01	3.06E+00	U
WS	01	682478001	08/20/2024	Th-228	3.04E+00	2.57E+00	3.96E+00	U
WS	01	682478001	08/20/2024	Zn-65	-8.51E-01	1.41E+00	4.56E+00	U
WS	01	682478001	08/20/2024	Zr-95	-3.36E-01	1.13E+00	3.59E+00	U
WS	01	687888001	09/16/2024	Ac-228	2.55E-01	5.81E+00	8.43E+00	U
WS	01	687888001	09/16/2024	Ag-108m	6.36E-01	4.93E-01	1.61E+00	U
WS	01	687888001	09/16/2024	Ag-110m	-7.09E-01	6.87E-01	2.15E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	687888001	09/16/2024	Ba-140	-3.19E-01	4.19E+00	1.36E+01	U
WS	01	687888001	09/16/2024	Be-7	8.19E+00	5.39E+00	1.73E+01	U
WS	01	687888001	09/16/2024	Bi-214	3.16E-01	2.43E+00	3.12E+00	U
WS	01	687888001	09/16/2024	Ce-141	0.00E+00	1.87E+00	3.58E+00	U
WS	01	687888001	09/16/2024	Ce-144	-5.90E+00	3.62E+00	1.07E+01	U
WS	01	687888001	09/16/2024	Co-57	-4.69E-01	4.69E-01	1.49E+00	U
WS	01	687888001	09/16/2024	Co-58	-1.10E+00	5.92E-01	1.67E+00	U
WS	01	687888001	09/16/2024	Co-60	-9.01E-01	6.18E-01	1.73E+00	U
WS	01	687888001	09/16/2024	Cr-51	2.95E+00	5.55E+00	1.90E+01	U
WS	01	687888001	09/16/2024	Cs-134	-1.70E-01	5.69E-01	1.76E+00	U
WS	01	687888001	09/16/2024	Cs-137	-3.11E-01	5.59E-01	1.74E+00	U
WS	01	687888001	09/16/2024	Fe-59	9.50E-02	1.18E+00	3.88E+00	U
WS	01	687888001	09/16/2024	I-131	-6.58E+00	3.27E+00	6.15E+00	U
WS	01	687888001	09/16/2024	K-40	3.14E+02	2.47E+01	1.58E+01	
WS	01	687888001	09/16/2024	La-140	0.00E+00	1.84E+00	4.53E+00	U
WS	01	687888001	09/16/2024	Mn-54	1.66E-01	5.38E-01	1.61E+00	U
WS	01	687888001	09/16/2024	Nb-95	-1.76E-01	5.52E-01	1.85E+00	U
WS	01	687888001	09/16/2024	Pb-212	-4.84E+00	2.16E+00	3.58E+00	U
WS	01	687888001	09/16/2024	Pb-214	-4.09E+00	2.43E+00	4.23E+00	U
WS	01	687888001	09/16/2024	Ru-103	-2.30E-01	6.22E-01	2.01E+00	U
WS	01	687888001	09/16/2024	Ru-106	-5.17E+00	4.93E+00	1.48E+01	U
WS	01	687888001	09/16/2024	Sb-124	-3.46E-02	1.38E+00	4.56E+00	U
WS	01	687888001	09/16/2024	Sb-125	-5.66E-01	1.37E+00	4.50E+00	U
WS	01	687888001	09/16/2024	Se-75	9.41E-01	8.34E-01	2.38E+00	U
WS	01	687888001	09/16/2024	Th-228	-4.84E+00	2.16E+00	3.58E+00	U
WS	01	687888001	09/16/2024	Zn-65	-1.69E+00	1.39E+00	3.56E+00	U
WS	01	687888001	09/16/2024	Zr-95	1.19E+00	1.01E+00	3.40E+00	U
WS	01	692606001	09/16/2024	H-3	-3.51E+02	1.54E+02	5.73E+02	U
WS	01	692832001	10/17/2024	Ac-228	2.50E-01	2.95E+00	6.35E+00	U
WS	01	692832001	10/17/2024	Ag-108m	-3.72E-01	3.53E-01	1.12E+00	U
WS	01	692832001	10/17/2024	Ag-110m	2.22E-01	5.55E-01	1.80E+00	U
WS	01	692832001	10/17/2024	Ba-140	-2.63E+00	2.88E+00	9.03E+00	U
WS	01	692832001	10/17/2024	Be-7	9.20E+00	4.28E+00	1.33E+01	U
WS	01	692832001	10/17/2024	Bi-214	2.73E+00	2.27E+00	3.30E+00	U
WS	01	692832001	10/17/2024	Ce-141	-2.14E+00	1.02E+00	2.72E+00	U
WS	01	692832001	10/17/2024	Ce-144	-3.70E+00	2.85E+00	8.59E+00	U
WS	01	692832001	10/17/2024	Co-57	-2.84E-01	3.62E-01	1.15E+00	U
WS	01	692832001	10/17/2024	Co-58	2.01E-01	4.75E-01	1.39E+00	U
WS	01	692832001	10/17/2024	Co-60	2.93E-01	4.17E-01	1.42E+00	U
WS	01	692832001	10/17/2024	Cr-51	-7.46E+00	4.46E+00	1.33E+01	U
WS	01	692832001	10/17/2024	Cs-134	5.21E-01	4.37E-01	1.43E+00	U
WS	01	692832001	10/17/2024	Cs-137	-5.29E-01	4.85E-01	1.29E+00	U
WS	01	692832001	10/17/2024	Fe-59	-1.67E+00	1.04E+00	3.02E+00	U
WS	01	692832001	10/17/2024	I-131	-1.17E+00	1.34E+00	4.37E+00	U
WS	01	692832001	10/17/2024	K-40	3.41E+02	2.74E+01	1.28E+01	
WS	01	692832001	10/17/2024	La-140	2.71E-01	1.05E+00	3.08E+00	U
WS	01	692832001	10/17/2024	Mn-54	-4.34E-01	4.04E-01	1.03E+00	U
WS	01	692832001	10/17/2024	Nb-95	6.74E-01	7.01E-01	1.36E+00	U
WS	01	692832001	10/17/2024	Pb-212	1.30E+00	1.61E+00	3.15E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	692832001	10/17/2024	Pb-214	-1.90E+00	1.76E+00	3.19E+00	U
WS	01	692832001	10/17/2024	Ru-103	-3.45E-01	4.74E-01	1.53E+00	U
WS	01	692832001	10/17/2024	Ru-106	1.50E+00	3.47E+00	1.15E+01	U
WS	01	692832001	10/17/2024	Sb-124	5.97E-01	9.97E-01	3.35E+00	U
WS	01	692832001	10/17/2024	Sb-125	-8.59E-01	1.04E+00	3.36E+00	U
WS	01	692832001	10/17/2024	Se-75	-4.13E-01	6.16E-01	1.87E+00	U
WS	01	692832001	10/17/2024	Th-228	1.30E+00	1.61E+00	3.15E+00	U
WS	01	692832001	10/17/2024	Zn-65	-8.36E-01	8.97E-01	2.83E+00	U
WS	01	692832001	10/17/2024	Zr-95	-9.56E-01	7.77E-01	2.27E+00	U
WS	01	697697001	11/20/2024	Ac-228	1.11E+00	3.05E+00	5.44E+00	U
WS	01	697697001	11/20/2024	Ag-108m	9.99E-02	3.09E-01	1.03E+00	U
WS	01	697697001	11/20/2024	Ag-110m	-9.94E-02	4.70E-01	1.56E+00	U
WS	01	697697001	11/20/2024	Ba-140	7.82E-02	2.47E+00	8.02E+00	U
WS	01	697697001	11/20/2024	Be-7	9.69E-01	3.27E+00	1.08E+01	U
WS	01	697697001	11/20/2024	Bi-214	-1.18E+00	1.67E+00	3.30E+00	U
WS	01	697697001	11/20/2024	Ce-141	1.40E+00	1.52E+00	2.08E+00	U
WS	01	697697001	11/20/2024	Ce-144	-1.85E+00	2.45E+00	7.67E+00	U
WS	01	697697001	11/20/2024	Co-57	2.77E-01	3.02E-01	9.68E-01	U
WS	01	697697001	11/20/2024	Co-58	-6.50E-01	4.08E-01	1.22E+00	U
WS	01	697697001	11/20/2024	Co-60	6.31E-01	4.10E-01	1.32E+00	U
WS	01	697697001	11/20/2024	Cr-51	5.50E+00	3.91E+00	1.28E+01	U
WS	01	697697001	11/20/2024	Cs-134	-5.93E-02	3.64E-01	1.23E+00	U
WS	01	697697001	11/20/2024	Cs-137	2.31E-01	3.89E-01	1.25E+00	U
WS	01	697697001	11/20/2024	Fe-59	3.88E-01	8.56E-01	2.85E+00	U
WS	01	697697001	11/20/2024	I-131	-8.18E-01	1.06E+00	3.43E+00	U
WS	01	697697001	11/20/2024	K-40	3.07E+02	2.02E+01	1.13E+01	
WS	01	697697001	11/20/2024	La-140	-2.31E-01	7.68E-01	2.55E+00	U
WS	01	697697001	11/20/2024	Mn-54	-5.35E-01	3.60E-01	1.08E+00	U
WS	01	697697001	11/20/2024	Nb-95	-9.02E-01	8.29E-01	1.30E+00	U
WS	01	697697001	11/20/2024	Pb-212	1.03E+00	1.46E+00	2.45E+00	U
WS	01	697697001	11/20/2024	Pb-214	2.91E+00	2.16E+00	2.94E+00	U
WS	01	697697001	11/20/2024	Ru-103	-2.59E-01	4.54E-01	1.29E+00	U
WS	01	697697001	11/20/2024	Ru-106	1.37E+00	3.36E+00	1.09E+01	U
WS	01	697697001	11/20/2024	Sb-124	-9.47E-01	9.58E-01	2.51E+00	U
WS	01	697697001	11/20/2024	Sb-125	-7.68E-01	9.16E-01	2.91E+00	U
WS	01	697697001	11/20/2024	Se-75	-3.80E-01	4.64E-01	1.53E+00	U
WS	01	697697001	11/20/2024	Th-228	1.03E+00	1.46E+00	2.45E+00	U
WS	01	697697001	11/20/2024	Zn-65	-2.27E-01	8.61E-01	2.45E+00	U
WS	01	697697001	11/20/2024	Zr-95	7.45E-01	6.91E-01	2.10E+00	U
WS	01	700595001	12/09/2024	Ac-228	2.97E+00	5.62E+00	8.68E+00	U
WS	01	700595001	12/09/2024	Ag-108m	4.30E-02	5.57E-01	1.90E+00	U
WS	01	700595001	12/09/2024	Ag-110m	5.73E-02	8.18E-01	2.65E+00	U
WS	01	700595001	12/09/2024	Ba-140	-4.91E+00	3.41E+00	1.00E+01	U
WS	01	700595001	12/09/2024	Be-7	4.01E-01	4.86E+00	1.65E+01	U
WS	01	700595001	12/09/2024	Bi-214	2.00E-02	2.70E+00	3.81E+00	U
WS	01	700595001	12/09/2024	Ce-141	-2.02E+00	1.68E+00	3.96E+00	U
WS	01	700595001	12/09/2024	Ce-144	-3.42E+00	4.45E+00	1.42E+01	U
WS	01	700595001	12/09/2024	Co-57	3.71E-02	5.67E-01	1.89E+00	U
WS	01	700595001	12/09/2024	Co-58	2.04E-01	6.05E-01	2.00E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	700595001	12/09/2024	Co-60	4.16E-01	7.80E-01	2.66E+00	U
WS	01	700595001	12/09/2024	Cr-51	2.05E+00	6.55E+00	2.07E+01	U
WS	01	700595001	12/09/2024	Cs-134	1.24E-01	6.75E-01	2.21E+00	U
WS	01	700595001	12/09/2024	Cs-137	-4.26E-01	7.34E-01	2.06E+00	U
WS	01	700595001	12/09/2024	Fe-59	2.17E+00	1.37E+00	4.72E+00	U
WS	01	700595001	12/09/2024	I-131	-3.58E-01	1.23E+00	4.17E+00	U
WS	01	700595001	12/09/2024	K-40	3.45E+02	3.26E+01	2.07E+01	
WS	01	700595001	12/09/2024	La-140	-1.83E-01	1.17E+00	3.79E+00	U
WS	01	700595001	12/09/2024	Mn-54	-3.74E-01	6.45E-01	2.00E+00	U
WS	01	700595001	12/09/2024	Nb-95	-9.83E-01	1.02E+00	2.26E+00	U
WS	01	700595001	12/09/2024	Pb-212	4.90E+00	2.96E+00	4.92E+00	U
WS	01	700595001	12/09/2024	Pb-214	-1.19E+00	2.36E+00	5.73E+00	U
WS	01	700595001	12/09/2024	Ru-103	6.29E-01	6.98E-01	2.37E+00	U
WS	01	700595001	12/09/2024	Ru-106	-4.37E+00	5.88E+00	1.86E+01	U
WS	01	700595001	12/09/2024	Sb-124	1.57E+00	1.60E+00	5.49E+00	U
WS	01	700595001	12/09/2024	Sb-125	6.67E-01	1.69E+00	5.78E+00	U
WS	01	700595001	12/09/2024	Se-75	6.75E-01	9.28E-01	2.97E+00	U
WS	01	700595001	12/09/2024	Th-228	4.90E+00	2.96E+00	4.92E+00	U
WS	01	700595001	12/09/2024	Zn-65	5.55E-01	1.51E+00	4.63E+00	U
WS	01	700595001	12/09/2024	Zr-95	-4.76E-02	1.15E+00	3.73E+00	U
WS	01	706307001	12/09/2024	H-3	5.83E+01	1.17E+02	3.74E+02	U
WS	10	669548004	05/28/2024	Ac-228	-5.68E+00	3.89E+00	7.28E+00	U
WS	10	669548004	05/28/2024	Ag-108m	-3.83E-01	3.99E-01	1.28E+00	U
WS	10	669548004	05/28/2024	Ag-110m	3.87E-02	6.42E-01	2.06E+00	U
WS	10	669548004	05/28/2024	Ba-140	9.20E-01	2.67E+00	8.95E+00	U
WS	10	669548004	05/28/2024	Be-7	4.34E+00	4.18E+00	1.40E+01	U
WS	10	669548004	05/28/2024	Bi-214	-2.49E+00	1.95E+00	4.06E+00	U
WS	10	669548004	05/28/2024	Ce-141	-2.13E+00	1.03E+00	2.84E+00	U
WS	10	669548004	05/28/2024	Ce-144	-1.64E+00	3.17E+00	1.03E+01	U
WS	10	669548004	05/28/2024	Co-57	-3.22E-01	4.30E-01	1.39E+00	U
WS	10	669548004	05/28/2024	Co-58	5.17E-01	4.85E-01	1.58E+00	U
WS	10	669548004	05/28/2024	Co-60	4.93E-01	4.61E-01	1.56E+00	U
WS	10	669548004	05/28/2024	Cr-51	-2.82E+00	5.10E+00	1.56E+01	U
WS	10	669548004	05/28/2024	Cs-134	2.12E-01	5.07E-01	1.66E+00	U
WS	10	669548004	05/28/2024	Cs-137	9.85E-01	5.22E-01	1.64E+00	U
WS	10	669548004	05/28/2024	Fe-59	-2.89E+00	1.22E+00	3.05E+00	U
WS	10	669548004	05/28/2024	I-131	-6.15E-01	1.04E+00	3.46E+00	U
WS	10	669548004	05/28/2024	K-40	1.90E+02	2.18E+01	1.42E+01	
WS	10	669548004	05/28/2024	La-140	-3.06E-01	1.03E+00	3.31E+00	U
WS	10	669548004	05/28/2024	Mn-54	-2.97E-01	4.51E-01	1.40E+00	U
WS	10	669548004	05/28/2024	Nb-95	-7.66E-01	5.12E-01	1.46E+00	U
WS	10	669548004	05/28/2024	Pb-212	-2.24E+00	1.84E+00	3.23E+00	U
WS	10	669548004	05/28/2024	Pb-214	-3.19E+00	1.99E+00	3.79E+00	U
WS	10	669548004	05/28/2024	Ru-103	5.58E-02	5.08E-01	1.71E+00	U
WS	10	669548004	05/28/2024	Ru-106	6.90E+00	5.48E+00	1.50E+01	U
WS	10	669548004	05/28/2024	Sb-124	-8.73E-01	1.17E+00	3.57E+00	U
WS	10	669548004	05/28/2024	Sb-125	4.16E-02	1.21E+00	4.10E+00	U
WS	10	669548004	05/28/2024	Se-75	-3.29E-01	6.77E-01	2.10E+00	U
WS	10	669548004	05/28/2024	Th-228	-2.24E+00	1.84E+00	3.23E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	10	669548004	05/28/2024	Zn-65	-1.19E+00	1.18E+00	3.22E+00	U
WS	10	669548004	05/28/2024	Zr-95	-1.45E+00	1.86E+00	2.84E+00	U
WS	10	669548004	05/28/2024	H-3	-2.21E+02	2.00E+02	7.00E+02	U
WS	10	698199001	11/25/2024	Ac-228	-4.37E+00	3.86E+00	7.82E+00	U
WS	10	698199001	11/25/2024	Ag-108m	5.26E-01	4.63E-01	1.57E+00	U
WS	10	698199001	11/25/2024	Ag-110m	1.42E+00	9.72E-01	2.38E+00	U
WS	10	698199001	11/25/2024	Ba-140	-2.21E+00	4.14E+00	9.78E+00	U
WS	10	698199001	11/25/2024	Be-7	-5.66E+00	4.60E+00	1.40E+01	U
WS	10	698199001	11/25/2024	Bi-214	6.21E+00	2.41E+00	3.26E+00	
WS	10	698199001	11/25/2024	Ce-141	1.38E-01	1.04E+00	3.11E+00	U
WS	10	698199001	11/25/2024	Ce-144	7.84E+00	4.14E+00	1.27E+01	U
WS	10	698199001	11/25/2024	Co-57	4.80E-01	5.05E-01	1.65E+00	U
WS	10	698199001	11/25/2024	Co-58	5.37E-01	5.53E-01	1.67E+00	U
WS	10	698199001	11/25/2024	Co-60	7.15E-02	5.77E-01	1.94E+00	U
WS	10	698199001	11/25/2024	Cr-51	-7.77E+00	6.71E+00	1.78E+01	U
WS	10	698199001	11/25/2024	Cs-134	4.52E-01	5.59E-01	1.86E+00	U
WS	10	698199001	11/25/2024	Cs-137	-8.90E-02	5.18E-01	1.68E+00	U
WS	10	698199001	11/25/2024	Fe-59	2.59E+00	1.24E+00	3.86E+00	U
WS	10	698199001	11/25/2024	I-131	2.96E-01	1.13E+00	3.86E+00	U
WS	10	698199001	11/25/2024	K-40	2.48E+02	2.41E+01	2.03E+01	
WS	10	698199001	11/25/2024	La-140	-2.31E-01	9.97E-01	3.22E+00	U
WS	10	698199001	11/25/2024	Mn-54	-2.58E-01	5.71E-01	1.79E+00	U
WS	10	698199001	11/25/2024	Nb-95	-1.78E+00	1.21E+00	1.81E+00	U
WS	10	698199001	11/25/2024	Pb-212	1.32E+00	1.88E+00	4.29E+00	U
WS	10	698199001	11/25/2024	Pb-214	-2.91E+00	2.02E+00	4.49E+00	U
WS	10	698199001	11/25/2024	Ru-103	-2.97E-01	5.63E-01	1.83E+00	U
WS	10	698199001	11/25/2024	Ru-106	3.00E+00	4.52E+00	1.52E+01	U
WS	10	698199001	11/25/2024	Sb-124	-3.26E-02	1.21E+00	3.97E+00	U
WS	10	698199001	11/25/2024	Sb-125	1.60E-01	1.27E+00	4.31E+00	U
WS	10	698199001	11/25/2024	Se-75	2.84E-01	7.73E-01	2.44E+00	U
WS	10	698199001	11/25/2024	Th-228	1.32E+00	1.88E+00	4.29E+00	U
WS	10	698199001	11/25/2024	Zn-65	-1.06E+00	1.10E+00	3.44E+00	U
WS	10	698199001	11/25/2024	Zr-95	-8.04E-01	1.08E+00	2.91E+00	U
WS	10	698199001	11/25/2024	H-3	-5.67E+01	1.80E+02	6.02E+02	U
WS	51	653536002	01/22/2024	Ac-228	-3.44E+00	4.01E+00	7.24E+00	U
WS	51	653536002	01/22/2024	Ag-108m	-7.07E-02	4.23E-01	1.42E+00	U
WS	51	653536002	01/22/2024	Ag-110m	-5.63E-01	6.94E-01	2.10E+00	U
WS	51	653536002	01/22/2024	Ba-140	-4.09E-01	2.91E+00	9.60E+00	U
WS	51	653536002	01/22/2024	Be-7	8.11E+00	4.84E+00	1.56E+01	U
WS	51	653536002	01/22/2024	Bi-214	0.00E+00	2.45E+00	3.19E+00	U
WS	51	653536002	01/22/2024	Ce-141	-1.50E+00	1.07E+00	3.18E+00	U
WS	51	653536002	01/22/2024	Ce-144	-1.79E+00	3.75E+00	1.11E+01	U
WS	51	653536002	01/22/2024	Co-57	5.31E-01	4.67E-01	1.51E+00	U
WS	51	653536002	01/22/2024	Co-58	5.73E-03	4.73E-01	1.52E+00	U
WS	51	653536002	01/22/2024	Co-60	-2.24E-01	9.91E-01	2.11E+00	U
WS	51	653536002	01/22/2024	Cr-51	-1.38E+00	5.02E+00	1.71E+01	U
WS	51	653536002	01/22/2024	Cs-134	6.62E-01	6.04E-01	1.96E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	653536002	01/22/2024	Cs-137	1.02E+00	5.59E-01	1.76E+00	U
WS	51	653536002	01/22/2024	Fe-59	-1.82E-01	1.08E+00	3.62E+00	U
WS	51	653536002	01/22/2024	I-131	4.17E+00	1.93E+00	4.27E+00	U
WS	51	653536002	01/22/2024	K-40	3.10E+02	2.55E+01	1.52E+01	
WS	51	653536002	01/22/2024	La-140	-1.57E+00	1.18E+00	3.40E+00	U
WS	51	653536002	01/22/2024	Mn-54	9.05E-01	5.62E-01	1.78E+00	U
WS	51	653536002	01/22/2024	Nb-95	-1.01E-01	5.34E-01	1.71E+00	U
WS	51	653536002	01/22/2024	Pb-212	-2.12E+00	2.12E+00	3.95E+00	U
WS	51	653536002	01/22/2024	Pb-214	2.10E+00	2.78E+00	4.12E+00	U
WS	51	653536002	01/22/2024	Ru-103	-1.10E+00	6.10E-01	1.74E+00	U
WS	51	653536002	01/22/2024	Ru-106	-1.84E-02	4.56E+00	1.50E+01	U
WS	51	653536002	01/22/2024	Sb-124	-1.35E+00	1.45E+00	3.70E+00	U
WS	51	653536002	01/22/2024	Sb-125	1.59E+00	1.40E+00	4.69E+00	U
WS	51	653536002	01/22/2024	Se-75	1.58E+00	8.06E-01	2.36E+00	U
WS	51	653536002	01/22/2024	Th-228	-2.12E+00	2.12E+00	3.95E+00	U
WS	51	653536002	01/22/2024	Zn-65	1.66E+00	1.18E+00	3.58E+00	U
WS	51	653536002	01/22/2024	Zr-95	-6.03E-01	8.54E-01	2.65E+00	U
WS	51	656676002	02/20/2024	Ac-228	-1.00E+01	4.49E+00	7.23E+00	U
WS	51	656676002	02/20/2024	Ag-108m	-1.70E+00	8.93E-01	1.57E+00	U
WS	51	656676002	02/20/2024	Ag-110m	5.64E-01	7.43E-01	2.19E+00	U
WS	51	656676002	02/20/2024	Ba-140	2.87E+00	2.80E+00	8.50E+00	U
WS	51	656676002	02/20/2024	Be-7	-5.17E-01	4.25E+00	1.42E+01	U
WS	51	656676002	02/20/2024	Bi-214	-3.48E-01	1.98E+00	3.94E+00	U
WS	51	656676002	02/20/2024	Ce-141	1.91E+00	1.07E+00	3.03E+00	U
WS	51	656676002	02/20/2024	Ce-144	-3.40E+00	3.45E+00	1.07E+01	U
WS	51	656676002	02/20/2024	Co-57	-3.48E-02	4.29E-01	1.40E+00	U
WS	51	656676002	02/20/2024	Co-58	8.09E-01	5.70E-01	1.84E+00	U
WS	51	656676002	02/20/2024	Co-60	-3.64E-01	4.95E-01	1.57E+00	U
WS	51	656676002	02/20/2024	Cr-51	7.43E-01	4.64E+00	1.60E+01	U
WS	51	656676002	02/20/2024	Cs-134	1.08E+00	6.28E-01	1.99E+00	U
WS	51	656676002	02/20/2024	Cs-137	7.81E-01	5.80E-01	1.89E+00	U
WS	51	656676002	02/20/2024	Fe-59	6.54E-01	1.00E+00	3.46E+00	U
WS	51	656676002	02/20/2024	I-131	-3.42E-01	9.82E-01	3.31E+00	U
WS	51	656676002	02/20/2024	K-40	3.26E+02	2.48E+01	1.29E+01	
WS	51	656676002	02/20/2024	La-140	4.44E-01	8.65E-01	2.92E+00	U
WS	51	656676002	02/20/2024	Mn-54	1.61E-01	5.38E-01	1.75E+00	U
WS	51	656676002	02/20/2024	Nb-95	-1.06E+00	6.12E-01	1.69E+00	U
WS	51	656676002	02/20/2024	Pb-212	1.53E+00	1.72E+00	3.52E+00	U
WS	51	656676002	02/20/2024	Pb-214	1.36E+00	2.16E+00	4.23E+00	U
WS	51	656676002	02/20/2024	Ru-103	-3.53E-01	6.05E-01	1.76E+00	U
WS	51	656676002	02/20/2024	Ru-106	-1.02E-01	4.34E+00	1.43E+01	U
WS	51	656676002	02/20/2024	Sb-124	9.40E-01	1.04E+00	3.54E+00	U
WS	51	656676002	02/20/2024	Sb-125	-1.66E+00	1.35E+00	4.21E+00	U
WS	51	656676002	02/20/2024	Se-75	-1.23E-01	7.42E-01	2.31E+00	U
WS	51	656676002	02/20/2024	Th-228	1.53E+00	1.72E+00	3.52E+00	U
WS	51	656676002	02/20/2024	Zn-65	2.14E-02	9.50E-01	3.22E+00	U
WS	51	656676002	02/20/2024	Zr-95	1.26E+00	9.46E-01	3.08E+00	U
WS	51	660694002	03/25/2024	Ac-228	-2.97E+00	4.22E+00	7.99E+00	U
WS	51	660694002	03/25/2024	Ag-108m	-3.66E-01	5.54E-01	1.50E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	660694002	03/25/2024	Ag-110m	7.11E-01	7.74E-01	2.62E+00	U
WS	51	660694002	03/25/2024	Ba-140	2.34E+00	3.34E+00	9.38E+00	U
WS	51	660694002	03/25/2024	Be-7	-1.84E+00	4.62E+00	1.54E+01	U
WS	51	660694002	03/25/2024	Bi-214	2.20E+00	1.47E+00	3.70E+00	U
WS	51	660694002	03/25/2024	Ce-141	-1.71E+00	1.39E+00	2.92E+00	U
WS	51	660694002	03/25/2024	Ce-144	-1.91E-01	3.35E+00	1.08E+01	U
WS	51	660694002	03/25/2024	Co-57	1.05E+00	6.20E-01	1.37E+00	U
WS	51	660694002	03/25/2024	Co-58	6.56E-01	5.78E-01	1.96E+00	U
WS	51	660694002	03/25/2024	Co-60	3.90E-01	6.87E-01	2.34E+00	U
WS	51	660694002	03/25/2024	Cr-51	1.03E+01	5.37E+00	1.66E+01	U
WS	51	660694002	03/25/2024	Cs-134	-4.04E-01	6.67E-01	2.06E+00	U
WS	51	660694002	03/25/2024	Cs-137	5.82E-01	6.26E-01	2.06E+00	U
WS	51	660694002	03/25/2024	Fe-59	-1.22E+00	1.31E+00	4.01E+00	U
WS	51	660694002	03/25/2024	I-131	-3.20E-01	1.00E+00	3.20E+00	U
WS	51	660694002	03/25/2024	K-40	0.00E+00	2.99E+01	1.65E+01	U
WS	51	660694002	03/25/2024	La-140	2.13E-01	1.09E+00	3.62E+00	U
WS	51	660694002	03/25/2024	Mn-54	-4.30E-01	5.76E-01	1.86E+00	U
WS	51	660694002	03/25/2024	Nb-95	5.94E-01	5.84E-01	1.90E+00	U
WS	51	660694002	03/25/2024	Pb-212	8.12E-01	1.95E+00	3.73E+00	U
WS	51	660694002	03/25/2024	Pb-214	2.98E+00	2.83E+00	4.52E+00	U
WS	51	660694002	03/25/2024	Ru-103	6.27E-02	6.39E-01	1.90E+00	U
WS	51	660694002	03/25/2024	Ru-106	-9.96E+00	5.19E+00	1.40E+01	U
WS	51	660694002	03/25/2024	Sb-124	-2.27E+00	1.66E+00	4.71E+00	U
WS	51	660694002	03/25/2024	Sb-125	2.62E+00	1.61E+00	5.00E+00	U
WS	51	660694002	03/25/2024	Se-75	2.55E-01	7.06E-01	2.37E+00	U
WS	51	660694002	03/25/2024	Th-228	8.12E-01	1.95E+00	3.73E+00	U
WS	51	660694002	03/25/2024	Zn-65	7.07E-01	1.38E+00	4.57E+00	U
WS	51	660694002	03/25/2024	Zr-95	-8.26E-02	1.01E+00	3.24E+00	U
WS	51	665497002	03/25/2024	H-3	1.26E+02	2.59E+02	8.26E+02	U
WS	51	664135002	04/17/2024	Ac-228	-4.02E+00	3.32E+00	7.34E+00	U
WS	51	664135002	04/17/2024	Ag-108m	-2.49E-02	4.33E-01	1.44E+00	U
WS	51	664135002	04/17/2024	Ag-110m	-3.90E-01	6.85E-01	2.10E+00	U
WS	51	664135002	04/17/2024	Ba-140	5.06E+00	2.78E+00	8.88E+00	U
WS	51	664135002	04/17/2024	Be-7	9.93E-01	4.38E+00	1.46E+01	U
WS	51	664135002	04/17/2024	Bi-214	1.94E+00	2.68E+00	4.08E+00	U
WS	51	664135002	04/17/2024	Ce-141	0.00E+00	1.87E+00	2.82E+00	U
WS	51	664135002	04/17/2024	Ce-144	-4.41E+00	3.61E+00	1.07E+01	U
WS	51	664135002	04/17/2024	Co-57	-4.99E-01	4.83E-01	1.47E+00	U
WS	51	664135002	04/17/2024	Co-58	-4.94E-03	5.11E-01	1.64E+00	U
WS	51	664135002	04/17/2024	Co-60	9.53E-01	5.64E-01	1.75E+00	U
WS	51	664135002	04/17/2024	Cr-51	3.97E+00	4.71E+00	1.60E+01	U
WS	51	664135002	04/17/2024	Cs-134	-7.12E-01	7.60E-01	1.88E+00	U
WS	51	664135002	04/17/2024	Cs-137	-6.95E-01	7.54E-01	1.81E+00	U
WS	51	664135002	04/17/2024	Fe-59	9.19E-01	9.99E-01	3.44E+00	U
WS	51	664135002	04/17/2024	I-131	7.02E-01	9.03E-01	3.06E+00	U
WS	51	664135002	04/17/2024	K-40	2.26E+02	2.09E+01	1.34E+01	U
WS	51	664135002	04/17/2024	La-140	-4.44E-01	8.73E-01	2.75E+00	U
WS	51	664135002	04/17/2024	Mn-54	-6.05E-01	5.97E-01	1.54E+00	U
WS	51	664135002	04/17/2024	Nb-95	1.25E-02	5.04E-01	1.62E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	664135002	04/17/2024	Pb-212	1.53E+00	1.82E+00	3.50E+00	U
WS	51	664135002	04/17/2024	Pb-214	-2.86E+00	2.81E+00	4.04E+00	U
WS	51	664135002	04/17/2024	Ru-103	-8.23E-01	5.79E-01	1.72E+00	U
WS	51	664135002	04/17/2024	Ru-106	-3.49E+00	4.29E+00	1.32E+01	U
WS	51	664135002	04/17/2024	Sb-124	2.08E+00	1.15E+00	3.93E+00	U
WS	51	664135002	04/17/2024	Sb-125	-1.76E+00	1.37E+00	4.17E+00	U
WS	51	664135002	04/17/2024	Se-75	-2.94E-01	6.49E-01	2.18E+00	U
WS	51	664135002	04/17/2024	Th-228	1.53E+00	1.82E+00	3.50E+00	U
WS	51	664135002	04/17/2024	Zn-65	-8.33E-02	1.04E+00	3.49E+00	U
WS	51	664135002	04/17/2024	Zr-95	3.00E-01	7.97E-01	2.61E+00	U
WS	51	669548002	05/21/2024	Ac-228	-5.50E-01	3.41E+00	8.33E+00	U
WS	51	669548002	05/21/2024	Ag-108m	-7.07E-02	4.13E-01	1.39E+00	U
WS	51	669548002	05/21/2024	Ag-110m	-1.52E+00	7.92E-01	2.01E+00	U
WS	51	669548002	05/21/2024	Ba-140	2.26E+00	3.20E+00	1.07E+01	U
WS	51	669548002	05/21/2024	Be-7	-2.31E+00	4.64E+00	1.52E+01	U
WS	51	669548002	05/21/2024	Bi-214	4.27E-01	1.95E+00	4.31E+00	U
WS	51	669548002	05/21/2024	Ce-141	-1.80E+00	1.13E+00	3.31E+00	U
WS	51	669548002	05/21/2024	Ce-144	2.02E+00	3.74E+00	1.22E+01	U
WS	51	669548002	05/21/2024	Co-57	7.36E-01	5.25E-01	1.67E+00	U
WS	51	669548002	05/21/2024	Co-58	-6.31E-01	5.32E-01	1.55E+00	U
WS	51	669548002	05/21/2024	Co-60	-1.36E+00	1.00E+00	2.47E+00	U
WS	51	669548002	05/21/2024	Cr-51	1.12E+00	5.35E+00	1.84E+01	U
WS	51	669548002	05/21/2024	Cs-134	1.44E+00	6.81E-01	2.09E+00	U
WS	51	669548002	05/21/2024	Cs-137	8.69E-01	7.33E-01	1.84E+00	U
WS	51	669548002	05/21/2024	Fe-59	1.41E+00	1.27E+00	4.31E+00	U
WS	51	669548002	05/21/2024	I-131	1.54E-01	1.16E+00	3.97E+00	U
WS	51	669548002	05/21/2024	K-40	3.02E+02	2.71E+01	1.42E+01	
WS	51	669548002	05/21/2024	La-140	1.00E+00	1.04E+00	3.52E+00	U
WS	51	669548002	05/21/2024	Mn-54	-2.01E-01	4.87E-01	1.53E+00	U
WS	51	669548002	05/21/2024	Nb-95	1.08E+00	5.57E-01	1.76E+00	U
WS	51	669548002	05/21/2024	Pb-212	-1.11E+00	1.78E+00	4.04E+00	U
WS	51	669548002	05/21/2024	Pb-214	-7.15E+00	2.61E+00	3.86E+00	U
WS	51	669548002	05/21/2024	Ru-103	-8.07E-01	5.75E-01	1.73E+00	U
WS	51	669548002	05/21/2024	Ru-106	-1.63E+00	4.53E+00	1.46E+01	U
WS	51	669548002	05/21/2024	Sb-124	1.46E+00	1.28E+00	3.97E+00	U
WS	51	669548002	05/21/2024	Sb-125	3.36E+00	1.55E+00	4.81E+00	U
WS	51	669548002	05/21/2024	Se-75	-1.16E-01	8.06E-01	2.52E+00	U
WS	51	669548002	05/21/2024	Th-228	-1.11E+00	1.78E+00	4.04E+00	U
WS	51	669548002	05/21/2024	Zn-65	4.11E-01	1.18E+00	4.02E+00	U
WS	51	669548002	05/21/2024	Zr-95	4.04E-02	9.81E-01	3.18E+00	U
WS	51	673178002	06/19/2024	Ac-228	5.91E+00	3.49E+00	1.13E+01	U
WS	51	673178002	06/19/2024	Ag-108m	1.15E-01	6.37E-01	2.04E+00	U
WS	51	673178002	06/19/2024	Ag-110m	1.81E+00	1.54E+00	3.53E+00	U
WS	51	673178002	06/19/2024	Ba-140	-2.38E+00	3.85E+00	1.26E+01	U
WS	51	673178002	06/19/2024	Be-7	-3.79E+00	6.44E+00	2.13E+01	U
WS	51	673178002	06/19/2024	Bi-214	4.13E+00	3.62E+00	5.88E+00	U
WS	51	673178002	06/19/2024	Ce-141	-1.30E+00	1.15E+00	3.63E+00	U
WS	51	673178002	06/19/2024	Ce-144	6.63E+00	4.30E+00	1.39E+01	U
WS	51	673178002	06/19/2024	Co-57	9.29E-02	4.81E-01	1.63E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	673178002	06/19/2024	Co-58	-9.32E-01	8.34E-01	2.51E+00	U
WS	51	673178002	06/19/2024	Co-60	2.21E+00	9.18E-01	2.96E+00	U
WS	51	673178002	06/19/2024	Cr-51	-1.10E+00	7.49E+00	2.15E+01	U
WS	51	673178002	06/19/2024	Cs-134	-7.79E-01	1.26E+00	2.87E+00	U
WS	51	673178002	06/19/2024	Cs-137	-1.04E+00	1.15E+00	2.76E+00	U
WS	51	673178002	06/19/2024	Fe-59	-1.38E+00	2.00E+00	5.24E+00	U
WS	51	673178002	06/19/2024	I-131	-9.78E-01	1.47E+00	4.55E+00	U
WS	51	673178002	06/19/2024	K-40	3.65E+02	3.68E+01	2.08E+01	
WS	51	673178002	06/19/2024	La-140	1.26E+00	1.17E+00	4.08E+00	U
WS	51	673178002	06/19/2024	Mn-54	5.98E-01	7.92E-01	2.65E+00	U
WS	51	673178002	06/19/2024	Nb-95	-8.05E-01	8.34E-01	2.47E+00	U
WS	51	673178002	06/19/2024	Pb-212	2.51E+00	2.33E+00	4.63E+00	U
WS	51	673178002	06/19/2024	Pb-214	8.50E-01	3.01E+00	5.76E+00	U
WS	51	673178002	06/19/2024	Ru-103	-8.98E-05	7.50E-01	2.55E+00	U
WS	51	673178002	06/19/2024	Ru-106	-2.92E+00	6.55E+00	2.14E+01	U
WS	51	673178002	06/19/2024	Sb-124	-3.77E+00	2.16E+00	5.58E+00	U
WS	51	673178002	06/19/2024	Sb-125	-2.83E+00	2.14E+00	6.15E+00	U
WS	51	673178002	06/19/2024	Se-75	-7.59E-01	9.24E-01	2.90E+00	U
WS	51	673178002	06/19/2024	Th-228	2.51E+00	2.33E+00	4.63E+00	U
WS	51	673178002	06/19/2024	Zn-65	3.32E+00	1.88E+00	5.58E+00	U
WS	51	673178002	06/19/2024	Zr-95	8.73E-01	1.42E+00	4.77E+00	U
WS	51	678734002	06/19/2024	H-3	-3.08E+01	2.46E+02	8.16E+02	U
WS	51	676672002	07/16/2024	Ac-228	3.66E+00	4.07E+00	8.22E+00	U
WS	51	676672002	07/16/2024	Ag-108m	3.10E-01	4.19E-01	1.42E+00	U
WS	51	676672002	07/16/2024	Ag-110m	8.55E-01	7.74E-01	2.42E+00	U
WS	51	676672002	07/16/2024	Ba-140	4.68E+00	2.53E+00	8.16E+00	U
WS	51	676672002	07/16/2024	Be-7	7.35E+00	4.27E+00	1.40E+01	U
WS	51	676672002	07/16/2024	Bi-214	1.31E+00	2.25E+00	2.99E+00	U
WS	51	676672002	07/16/2024	Ce-141	-3.49E-01	8.91E-01	2.85E+00	U
WS	51	676672002	07/16/2024	Ce-144	3.84E+00	3.51E+00	1.13E+01	U
WS	51	676672002	07/16/2024	Co-57	3.42E-01	4.58E-01	1.40E+00	U
WS	51	676672002	07/16/2024	Co-58	-3.38E-01	4.90E-01	1.50E+00	U
WS	51	676672002	07/16/2024	Co-60	-8.15E-01	5.45E-01	1.52E+00	U
WS	51	676672002	07/16/2024	Cr-51	-7.00E+00	4.58E+00	1.39E+01	U
WS	51	676672002	07/16/2024	Cs-134	3.37E-01	5.40E-01	1.61E+00	U
WS	51	676672002	07/16/2024	Cs-137	5.49E-01	4.85E-01	1.61E+00	U
WS	51	676672002	07/16/2024	Fe-59	5.41E-01	9.99E-01	3.44E+00	U
WS	51	676672002	07/16/2024	I-131	6.89E-01	7.78E-01	2.66E+00	U
WS	51	676672002	07/16/2024	K-40	3.66E+02	3.19E+01	1.68E+01	
WS	51	676672002	07/16/2024	La-140	4.15E-01	8.17E-01	2.75E+00	U
WS	51	676672002	07/16/2024	Mn-54	1.24E-01	5.60E-01	1.62E+00	U
WS	51	676672002	07/16/2024	Nb-95	1.13E+00	5.74E-01	1.81E+00	U
WS	51	676672002	07/16/2024	Pb-212	1.45E+00	1.45E+00	3.83E+00	U
WS	51	676672002	07/16/2024	Pb-214	-1.89E+00	2.08E+00	3.77E+00	U
WS	51	676672002	07/16/2024	Ru-103	-1.53E+00	6.07E-01	1.45E+00	U
WS	51	676672002	07/16/2024	Ru-106	-7.54E+00	4.54E+00	1.26E+01	U
WS	51	676672002	07/16/2024	Sb-124	9.77E-02	1.25E+00	4.09E+00	U
WS	51	676672002	07/16/2024	Sb-125	1.24E+00	1.24E+00	4.20E+00	U
WS	51	676672002	07/16/2024	Se-75	6.57E-01	6.91E-01	2.17E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	676672002	07/16/2024	Th-228	1.45E+00	1.45E+00	3.83E+00	U
WS	51	676672002	07/16/2024	Zn-65	-9.71E-01	1.08E+00	3.41E+00	U
WS	51	676672002	07/16/2024	Zr-95	5.80E-01	8.61E-01	2.84E+00	U
WS	51	682478002	08/20/2024	Ac-228	-4.17E+00	5.33E+00	1.19E+01	U
WS	51	682478002	08/20/2024	Ag-108m	3.69E-01	6.31E-01	2.00E+00	U
WS	51	682478002	08/20/2024	Ag-110m	5.30E-02	1.03E+00	3.36E+00	U
WS	51	682478002	08/20/2024	Ba-140	1.69E+00	4.07E+00	1.40E+01	U
WS	51	682478002	08/20/2024	Be-7	-9.83E+00	6.46E+00	1.95E+01	U
WS	51	682478002	08/20/2024	Bi-214	-3.02E+00	2.61E+00	6.05E+00	U
WS	51	682478002	08/20/2024	Ce-141	-1.23E+00	1.33E+00	3.21E+00	U
WS	51	682478002	08/20/2024	Ce-144	-5.25E-01	3.34E+00	1.13E+01	U
WS	51	682478002	08/20/2024	Co-57	9.18E-02	4.16E-01	1.42E+00	U
WS	51	682478002	08/20/2024	Co-58	-1.30E-03	7.36E-01	2.43E+00	U
WS	51	682478002	08/20/2024	Co-60	9.35E-01	8.36E-01	2.91E+00	U
WS	51	682478002	08/20/2024	Cr-51	-1.09E+01	7.28E+00	2.06E+01	U
WS	51	682478002	08/20/2024	Cs-134	1.47E-01	7.45E-01	2.49E+00	U
WS	51	682478002	08/20/2024	Cs-137	2.44E+00	1.47E+00	2.58E+00	U
WS	51	682478002	08/20/2024	Fe-59	9.51E-01	1.65E+00	5.45E+00	U
WS	51	682478002	08/20/2024	I-131	-1.37E-01	1.64E+00	5.17E+00	U
WS	51	682478002	08/20/2024	K-40	3.11E+02	3.38E+01	2.52E+01	
WS	51	682478002	08/20/2024	La-140	-6.80E+00	2.56E+00	4.26E+00	U
WS	51	682478002	08/20/2024	Mn-54	-1.82E-01	7.04E-01	2.28E+00	U
WS	51	682478002	08/20/2024	Nb-95	1.40E+00	8.86E-01	2.93E+00	U
WS	51	682478002	08/20/2024	Pb-212	2.10E+00	2.35E+00	4.33E+00	U
WS	51	682478002	08/20/2024	Pb-214	-3.08E+00	3.00E+00	4.94E+00	U
WS	51	682478002	08/20/2024	Ru-103	-1.86E-01	6.98E-01	2.36E+00	U
WS	51	682478002	08/20/2024	Ru-106	2.26E+00	6.53E+00	2.22E+01	U
WS	51	682478002	08/20/2024	Sb-124	5.34E-01	1.74E+00	5.90E+00	U
WS	51	682478002	08/20/2024	Sb-125	-5.35E-01	1.88E+00	5.78E+00	U
WS	51	682478002	08/20/2024	Se-75	-1.98E-01	7.72E-01	2.48E+00	U
WS	51	682478002	08/20/2024	Th-228	2.10E+00	2.35E+00	4.33E+00	U
WS	51	682478002	08/20/2024	Zn-65	8.23E-01	1.63E+00	5.34E+00	U
WS	51	682478002	08/20/2024	Zr-95	1.10E+00	1.38E+00	4.67E+00	U
WS	51	687888002	09/19/2024	Ac-228	-8.55E-01	5.43E+00	1.20E+01	U
WS	51	687888002	09/19/2024	Ag-108m	3.30E-01	6.62E-01	2.15E+00	U
WS	51	687888002	09/19/2024	Ag-110m	2.12E-01	1.06E+00	3.50E+00	U
WS	51	687888002	09/19/2024	Ba-140	2.88E+00	5.69E+00	1.82E+01	U DL
WS	51	687888002	09/19/2024	Be-7	3.96E+00	6.75E+00	2.18E+01	U
WS	51	687888002	09/19/2024	Bi-214	5.30E+00	3.91E+00	5.99E+00	U
WS	51	687888002	09/19/2024	Ce-141	-1.57E-01	1.19E+00	3.71E+00	U
WS	51	687888002	09/19/2024	Ce-144	-3.90E+00	4.39E+00	1.21E+01	U
WS	51	687888002	09/19/2024	Co-57	9.52E-01	5.36E-01	1.60E+00	U
WS	51	687888002	09/19/2024	Co-58	-3.86E-01	8.25E-01	2.65E+00	U
WS	51	687888002	09/19/2024	Co-60	3.67E-02	8.84E-01	2.57E+00	U
WS	51	687888002	09/19/2024	Cr-51	3.68E+00	6.70E+00	2.22E+01	U
WS	51	687888002	09/19/2024	Cs-134	1.72E+00	9.14E-01	2.94E+00	U
WS	51	687888002	09/19/2024	Cs-137	9.35E-01	1.15E+00	2.42E+00	U
WS	51	687888002	09/19/2024	Fe-59	2.18E+00	1.86E+00	6.09E+00	U
WS	51	687888002	09/19/2024	I-131	4.72E-01	1.99E+00	6.51E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	687888002	09/19/2024	K-40	3.26E+02	2.90E+01	2.40E+01	
WS	51	687888002	09/19/2024	La-140	-1.34E+00	1.82E+00	5.63E+00	U
WS	51	687888002	09/19/2024	Mn-54	-1.19E+00	8.17E-01	2.36E+00	U
WS	51	687888002	09/19/2024	Nb-95	-2.70E-01	8.64E-01	2.82E+00	U
WS	51	687888002	09/19/2024	Pb-212	-4.51E-01	1.58E+00	4.15E+00	U
WS	51	687888002	09/19/2024	Pb-214	-5.95E+00	2.85E+00	5.24E+00	U
WS	51	687888002	09/19/2024	Ru-103	4.72E-01	9.10E-01	2.93E+00	U
WS	51	687888002	09/19/2024	Ru-106	2.85E+00	6.60E+00	2.24E+01	U
WS	51	687888002	09/19/2024	Sb-124	2.88E+00	5.06E+00	6.20E+00	U
WS	51	687888002	09/19/2024	Sb-125	1.50E+00	1.94E+00	6.30E+00	U
WS	51	687888002	09/19/2024	Se-75	-2.86E-01	8.01E-01	2.64E+00	U
WS	51	687888002	09/19/2024	Th-228	-4.51E-01	1.58E+00	4.15E+00	U
WS	51	687888002	09/19/2024	Zn-65	-4.10E-01	2.02E+00	5.55E+00	U
WS	51	687888002	09/19/2024	Zr-95	0.00E+00	2.15E+00	4.89E+00	U
WS	51	692606002	09/19/2024	H-3	1.60E+02	2.23E+02	6.98E+02	U
WS	51	692832002	10/17/2024	Ac-228	2.59E+00	3.47E+00	4.53E+00	U
WS	51	692832002	10/17/2024	Ag-108m	-1.65E-01	3.36E-01	1.10E+00	U
WS	51	692832002	10/17/2024	Ag-110m	2.63E-01	5.53E-01	1.79E+00	U
WS	51	692832002	10/17/2024	Ba-140	7.48E+00	5.25E+00	9.68E+00	U
WS	51	692832002	10/17/2024	Be-7	-1.80E+00	3.57E+00	1.16E+01	U
WS	51	692832002	10/17/2024	Bi-214	-1.38E+00	1.69E+00	3.17E+00	U
WS	51	692832002	10/17/2024	Ce-141	-5.48E+00	1.90E+00	2.75E+00	U
WS	51	692832002	10/17/2024	Ce-144	-3.72E+00	2.96E+00	8.81E+00	U
WS	51	692832002	10/17/2024	Co-57	3.41E-01	3.75E-01	1.20E+00	U
WS	51	692832002	10/17/2024	Co-58	5.22E-02	4.13E-01	1.33E+00	U
WS	51	692832002	10/17/2024	Co-60	1.15E-01	4.18E-01	1.41E+00	U
WS	51	692832002	10/17/2024	Cr-51	2.72E+00	4.44E+00	1.51E+01	U
WS	51	692832002	10/17/2024	Cs-134	1.05E-01	4.15E-01	1.35E+00	U
WS	51	692832002	10/17/2024	Cs-137	2.07E-01	4.14E-01	1.36E+00	U
WS	51	692832002	10/17/2024	Fe-59	-6.54E-01	9.25E-01	2.99E+00	U
WS	51	692832002	10/17/2024	I-131	4.60E-01	1.27E+00	4.30E+00	U
WS	51	692832002	10/17/2024	K-40	3.37E+02	2.35E+01	1.28E+01	
WS	51	692832002	10/17/2024	La-140	-3.55E-01	9.24E-01	2.95E+00	U
WS	51	692832002	10/17/2024	Mn-54	-2.94E-01	4.11E-01	1.26E+00	U
WS	51	692832002	10/17/2024	Nb-95	5.49E-01	4.44E-01	1.44E+00	U
WS	51	692832002	10/17/2024	Pb-212	-1.02E+00	1.37E+00	2.94E+00	U
WS	51	692832002	10/17/2024	Pb-214	-2.62E+00	1.68E+00	3.18E+00	U
WS	51	692832002	10/17/2024	Ru-103	-1.49E+00	5.84E-01	1.40E+00	U
WS	51	692832002	10/17/2024	Ru-106	1.66E+00	3.39E+00	1.12E+01	U
WS	51	692832002	10/17/2024	Sb-124	5.27E-01	1.12E+00	3.73E+00	U
WS	51	692832002	10/17/2024	Sb-125	7.47E-01	1.04E+00	3.49E+00	U
WS	51	692832002	10/17/2024	Se-75	1.51E+00	8.12E-01	1.87E+00	U
WS	51	692832002	10/17/2024	Th-228	-1.02E+00	1.37E+00	2.94E+00	U
WS	51	692832002	10/17/2024	Zn-65	1.57E+00	9.92E-01	3.30E+00	U
WS	51	692832002	10/17/2024	Zr-95	4.15E-01	7.56E-01	2.47E+00	U
WS	51	697697002	11/20/2024	Ac-228	-6.49E+00	3.89E+00	6.82E+00	U
WS	51	697697002	11/20/2024	Ag-108m	-2.28E-01	3.79E-01	1.23E+00	U
WS	51	697697002	11/20/2024	Ag-110m	-3.17E-01	5.75E-01	1.88E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	697697002	11/20/2024	Ba-140	3.59E-01	3.03E+00	9.92E+00	U
WS	51	697697002	11/20/2024	Be-7	1.41E+00	3.98E+00	1.32E+01	U
WS	51	697697002	11/20/2024	Bi-214	-5.18E+00	2.11E+00	3.68E+00	U
WS	51	697697002	11/20/2024	Ce-141	-8.69E-01	9.03E-01	2.84E+00	U
WS	51	697697002	11/20/2024	Ce-144	2.80E+00	2.96E+00	9.62E+00	U
WS	51	697697002	11/20/2024	Co-57	-7.03E-02	3.77E-01	1.24E+00	U
WS	51	697697002	11/20/2024	Co-58	-4.98E-01	4.46E-01	1.40E+00	U
WS	51	697697002	11/20/2024	Co-60	-1.28E+00	8.58E-01	1.59E+00	U
WS	51	697697002	11/20/2024	Cr-51	-8.30E+00	9.02E+00	1.61E+01	U
WS	51	697697002	11/20/2024	Cs-134	4.19E-01	5.87E-01	1.55E+00	U
WS	51	697697002	11/20/2024	Cs-137	2.67E-01	4.37E-01	1.41E+00	U
WS	51	697697002	11/20/2024	Fe-59	-4.84E+00	3.18E+00	3.18E+00	U
WS	51	697697002	11/20/2024	I-131	5.12E-01	1.23E+00	4.16E+00	U
WS	51	697697002	11/20/2024	K-40	3.10E+02	2.38E+01	1.39E+01	
WS	51	697697002	11/20/2024	La-140	-1.60E+00	1.02E+00	2.92E+00	U
WS	51	697697002	11/20/2024	Mn-54	-4.65E-01	4.85E-01	1.35E+00	U
WS	51	697697002	11/20/2024	Nb-95	1.72E-01	4.44E-01	1.51E+00	U
WS	51	697697002	11/20/2024	Pb-212	2.58E+00	2.11E+00	3.16E+00	U
WS	51	697697002	11/20/2024	Pb-214	-6.24E+00	2.54E+00	3.61E+00	U
WS	51	697697002	11/20/2024	Ru-103	-1.21E+00	6.28E-01	1.53E+00	U
WS	51	697697002	11/20/2024	Ru-106	1.90E+00	3.76E+00	1.22E+01	U
WS	51	697697002	11/20/2024	Sb-124	7.34E-01	1.03E+00	3.49E+00	U
WS	51	697697002	11/20/2024	Sb-125	1.56E+00	1.16E+00	3.76E+00	U
WS	51	697697002	11/20/2024	Se-75	-1.07E-01	6.22E-01	1.93E+00	U
WS	51	697697002	11/20/2024	Th-228	2.58E+00	2.11E+00	3.16E+00	U
WS	51	697697002	11/20/2024	Zn-65	-1.58E+00	1.01E+00	2.90E+00	U
WS	51	697697002	11/20/2024	Zr-95	8.73E-01	7.83E-01	2.64E+00	U
WS	51	700595002	12/09/2024	Ac-228	-6.43E+00	3.53E+00	7.27E+00	U
WS	51	700595002	12/09/2024	Ag-108m	-7.73E-01	4.55E-01	1.31E+00	U
WS	51	700595002	12/09/2024	Ag-110m	-9.24E-01	6.55E-01	1.79E+00	U
WS	51	700595002	12/09/2024	Ba-140	-1.44E-02	2.46E+00	8.12E+00	U
WS	51	700595002	12/09/2024	Be-7	-5.73E+00	4.30E+00	1.29E+01	U
WS	51	700595002	12/09/2024	Bi-214	0.00E+00	2.73E+00	3.23E+00	U
WS	51	700595002	12/09/2024	Ce-141	7.95E-01	1.56E+00	2.67E+00	U
WS	51	700595002	12/09/2024	Ce-144	-1.39E+00	3.46E+00	1.09E+01	U
WS	51	700595002	12/09/2024	Co-57	5.44E-01	4.58E-01	1.45E+00	U
WS	51	700595002	12/09/2024	Co-58	-5.78E-01	7.42E-01	1.51E+00	U
WS	51	700595002	12/09/2024	Co-60	-9.08E-01	8.77E-01	1.78E+00	U
WS	51	700595002	12/09/2024	Cr-51	-5.67E+00	4.68E+00	1.47E+01	U
WS	51	700595002	12/09/2024	Cs-134	-2.23E-01	4.91E-01	1.53E+00	U
WS	51	700595002	12/09/2024	Cs-137	-1.62E-01	5.17E-01	1.65E+00	U
WS	51	700595002	12/09/2024	Fe-59	-5.91E-01	1.01E+00	3.27E+00	U
WS	51	700595002	12/09/2024	I-131	-1.27E+00	9.03E-01	2.74E+00	U
WS	51	700595002	12/09/2024	K-40	2.62E+02	2.39E+01	1.38E+01	
WS	51	700595002	12/09/2024	La-140	-1.10E+00	9.53E-01	2.78E+00	U
WS	51	700595002	12/09/2024	Mn-54	3.70E-01	4.86E-01	1.59E+00	U
WS	51	700595002	12/09/2024	Nb-95	0.00E+00	6.06E-01	1.35E+00	U
WS	51	700595002	12/09/2024	Pb-212	1.20E+00	1.70E+00	3.03E+00	U
WS	51	700595002	12/09/2024	Pb-214	1.59E+00	2.25E+00	4.21E+00	U
WS	51	700595002	12/09/2024	Ru-103	-6.78E-02	5.60E-01	1.65E+00	U

Seabrook REMP Summary of 2024 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	700595002	12/09/2024	Ru-106	7.60E+00	4.70E+00	1.52E+01	U
WS	51	700595002	12/09/2024	Sb-124	-5.50E-01	1.22E+00	3.82E+00	U
WS	51	700595002	12/09/2024	Sb-125	7.86E-01	1.36E+00	4.59E+00	U
WS	51	700595002	12/09/2024	Se-75	4.22E-01	6.44E-01	2.21E+00	U
WS	51	700595002	12/09/2024	Th-228	1.20E+00	1.70E+00	3.03E+00	U
WS	51	700595002	12/09/2024	Zn-65	-8.89E-01	1.21E+00	3.36E+00	U
WS	51	700595002	12/09/2024	Zr-95	2.58E+00	1.22E+00	2.76E+00	U
WS	51	706307002	12/09/2024	H-3	-5.90E+01	1.15E+02	3.91E+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.
- M:** Reported result is less than the LLD and greater than the MDC.
- DL:** Measured MDC is greater than the LLD.