Pacific Gas and Electric Company®

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PG&E Letter DCL-23-036

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

10 CFR 50, Appendix I

Docket No. 50-275, OL-DPR-80
Docket No. 50-323, OL-DPR-82
Diablo Canyon Power Plant, Units 1 and 2
2022 Annual Radiological Environmental Operating Report

Dear Commissioners and Staff:

In accordance with Diablo Canyon Power Plant, Units 1 and 2, Technical Specification 5.6.2, Pacific Gas and Electric Company (PG&E) hereby submits the 2022 Annual Radiological Environmental Operating Report (AREOR). The AREOR, provided in the enclosure, covers the operation of Units 1 and 2 for the period of January 1, 2022 through December 31, 2022. This report contains material consistent with the objectives of the Offsite Dose Calculation Manual, and 10 CFR 50, Appendix I, Sections IV.B.2, IV.B.3, and IV.C.

PG&E makes no new or revised regulatory commitments (as defined by NEI 99-04) in this letter.

If you have any questions regarding this submittal, please contact me at (805) 545-4208.

Sincerely,

Craig Sutton

5/1/2023
Date

Enclosure
armb/4743/50942685
cc: Diablo Distribution
cc/enc: Dr. Penny E. Borenstein, San Luis Obispo County Health Officer
Mahdi O. Hayes, NRC Senior Resident Inspector
Matthew T. Keeling, Executive Officer, Central Coast Regional Water Quality Control Board
Samson S. Lee, NRC Project Manager
Robert J. Lewis, NRC Acting Region IV Administrator
Gonzalo L. Perez, Branch Chief, California Department of Public Health
Gary E. Willey, Air Pollution Control Officer, San Luis Obispo County Air Pollution Control District

Enclosure
PG&E Letter DCL-23-036

2022 ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

2022 ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

Diablo Canyon Power Plant

January 1, 2022- December 31, 2022

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

January 1, 2022 - December 31, 2022

Prepared by

Pacific Gas & Electric Company

Diablo Canyon Power Plant

Prepared by: _____ Date: 4/7/2023

Austin Luedtke, DCPP RP Engineer

Reviewed by: _____ Date: 4/10/2023

Name, Title

Approved by: _____ Date: 4/26/23

Craig Sutton, DCPP Radiation Protection Manager

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1 Acronyms and Definitions

1. Airborne Activity Sampling: Continuous sampling of air through the collection of particulates and radionuclides on filter media.
2. ARERR: Annual Radioactive Effluent Release Report
3. AREOR: Annual Radiological Environmental Operating Report
4. Composite Sample: A series of single collected portions (aliquots) analyzed as one sample. The aliquots making up the sample are collected at time intervals that are very short compared to the composite period.
5. Control: A sampling station in a location not likely to be affected by plant effluents due to its distance and/or direction from the station.
6. Curie (Ci): A measure of radioactivity; equal to 3.7×10^{10} disintegrations per second, or 2.22×10^{12} disintegrations per minute.
7. Direct Radiation Monitoring: The measurement of radiation dose at various distances from the plant is assessed using Thermoluminescent dosimeters.
8. Gamma isotopic analysis: The identification and quantification of gamma-emitting radionuclides that may be attributable to the effluents from the facility.
9. Indicator: A sampling location that is likely to be affected by plant effluents due to its proximity and/or direction from the plant.
10. Ingestion Pathway: The ingestion pathway includes milk, fish, drinking water, and garden produce. Other media can be sampled such as vegetation, eggs, and meat when additional information about particular radionuclides is needed.
11. ISFSI: Independent Spent Fuel Storage Installation
12. Lower Limit of Detection (LLD): The a-priori analysis "process" that will yield a net count, above system background, that will be detected with 95 percent probability with only 5 percent probability of falsely concluding that a blank observation represents a "real" signal for the following concentration of radioactive material in a sample.
13. MDA: Minimum Detectable Activity. The a-posteriori minimum concentration that a counting system detects. The smallest concentration or activity of radioactive material in a sample that will yield a net count above instrument background and that is detected with 95% probability, with only 5% probability of falsely concluding that a blank observation represents a true signal.
14. MDC: Minimum Detectable Concentration, equivalent to MDA but in volume units.
15. MWe: Megawatts Electric
16. NA: Not Applicable
17. NEI: Nuclear Energy Institute
18. NIST: National Institute of Standards and Technology.
19. NPDES: National Pollutant Discharge Elimination System.
20. NRC: Nuclear Regulatory Commission
21. ODCM: Offsite Dose Calculation Manual
22. OSGSF: Old Steam Generator Storage Facility
23. pCi/L: picocuries / Liter
24. Protected Area: An area encompassed by physical barriers and to which access is controlled.
25. PWR: Pressurized Water Reactor
26. REMP: Radiological Environmental Monitoring Program
27. Restricted Area: An area, access to which is limited by the licensee for the purpose of protecting individuals against undue risks from exposure to radiation and radioactive materials.
28. TLD: Thermoluminescent Dosimeter

2 Executive Summary

This report contains results from the operational Radiological Environmental Monitoring Program (REMP) for Diablo Canyon Power Plant (DCPP) compiled for the period January 1, 2022 through December 31, 2022. The purpose of the REMP is to assess the levels of radiation or radioactivity in the environment and to verify that DCPP is operating within its design parameters. Approximately 275 environmental samples, 884 air samples, and 1440 thermo-luminescent dosimeter (TLD) phosphors were collected over the course of the 2022 REMP monitoring period. Approximately 1800 radionuclide analyses were performed on the environmental samples.

The REMP is conducted in accordance with DCPP Program Directive CY2, "Radiological Monitoring and Controls Program," and RP1.ID11, "Environmental Radiological Monitoring Procedure." This report is submitted per DCPP License Technical Specification 5.6.2.

The types of samples (matrix ID) collected for this monitoring period were as follows:

AP - Air Particulate
AC - Air Cartridge for I-131 monitoring
AC14 - Air Cartridge for Carbon-14 monitoring
TLD - Direct Radiation
MK - Milk
MT - Meat
VG – Vegetation
DW - Drinking Water
GW - Groundwater/ Monitor Well
SW - Surface Water
AV - Aquatic Vegetation
FH – Fish
IM – Mussels
SD – Sediment

2.1 Summary of Conclusions

The annual offsite radiological dose received by the general public from plant operations was less than one millirem (mrem) which is insignificant when compared to the 620 millirem average annual radiation exposure to people in the United States from natural and man-made background radiation sources (e.g. cosmic, terrestrial, radon, medical, etc.). The ambient direct radiation levels in the DCPP offsite environs did not change and were within the pre-operational background range. An evaluation of direct radiation measurements indicated all federal EPA 40CFR190 criteria were conservatively met. Operation of DCPP continued to have no detectable offsite radiological impact. Samples analyzed from the offsite sampling stations continued to show no radiological contribution from plant operations.

The ambient onsite direct radiation levels within the DCPP plant site boundary near the Independent Spent Fuel Storage Installation (ISFSI) are elevated due to dry cask spent fuel storage. The remaining onsite REMP environmental TLD locations are unaffected by the ISFSI due to ISFSI topographical elevation and placement within an onsite hillside which provides shielding to the rest of the site. An evaluation of direct radiation measurements and member-of-public occupancy times within the site boundary indicated all federal criteria for member-of-public dose limits (10CFR20.1301) were conservatively met.

Groundwater isotopic monitoring was conducted in accordance with the Nuclear Energy Institute (NEI) 07-07 Rev 1 Groundwater Protection Initiative (GPI). Concentrations of tritium were detected in two shallow monitoring wells (stations DY1 and OW1) near the power block. This tritium was evaluated and attributed to rain-washout of gaseous tritium exiting the plant vent system via an approved isotopic-effluents discharge path. No groundwater tritium was attributed to DCPP system leaks or spills. It should also be noted that studies of the DCPP site groundwater gradient indicated that any subsurface groundwater flow beneath the DCPP power block was not used as a source of drinking water. Due to topography and site characteristics,

this groundwater gradient flow discharged into the Pacific Ocean which is approximately 100 yards from the power block.

An Old Steam Generator Storage Facility (OSGSF) long term storage vault was constructed within the DCPP site boundary in 2007 for storage of eight retired DCPP steam generators and two retired DCPP reactor heads. This OSGSF did not cause any changes to the ambient direct radiation levels within the DCPP environs during 2022. The OSGSF in-building sumps were inspected quarterly by REMP personnel.

The results of the 2022 REMP showed no unusual environmental isotopic findings from DCPP site operations. These results were compared to DCPP preoperational isotopic data and showed no unusual trends. Diablo Canyon site operations had no significant impact on the health and safety of the public or the environment.

3 Introduction

Natural background radiation is all around us, all the time. Naturally occurring sources of background radiation include cosmic radiation from space, terrestrial radiation from radioactive isotopes in the earth, naturally occurring radioactive isotopes in the food we eat, and naturally occurring isotopes in the air we breathe. The human body (each of us) contains natural radioactive isotopes such as radioactive carbon (C14) and radioactive potassium (K40). As a result, humans have been exposed to radiation since the dawn of man. Over the last 100 years, man has developed new radioactive materials and new machines that create additional sources of background radiation. These additional man-made background sources include radioactive materials used in medical diagnosis, medical treatment, consumer products, industrial processes, security devices, educational tools, research activities, warfare, and worker occupations. The National Council on Radiation Protection and Measurements (NCRP) estimates that the average person in the United States receives about 620 millirem (mrem) of radiation exposure each year from natural and man-made background radiation sources. For comparison, public exposure from nuclear power plant radioactive effluents is less than 1 mrem. This < 1 mrem annual exposure is equivalent to approximately 1 to 2 hours of cosmic radiation exposure (0.5 mrem per hour) during a cross country airline flight.

The Radiological Environmental Monitoring Program (REMP) provides data on measurable levels of radiation and radioactive materials in the site environs. This program also evaluates the relationship between quantities of radioactive materials released from the plant and resultant doses to individuals from principal pathways of exposure. In this capacity, REMP provides a check on the effluent release program and dispersion modeling to ensure that concentrations in the environment radioactive effluents conform to the “As Low As Reasonably Achievable” (ALARA) design objectives of 10 CFR 50, Appendix I.

The Annual Radiological Environmental Operating Report (AREOR) provides summaries of the environmental data from exposure pathways, interpretations of the data, and analyses of trend results. Routinely monitored pathways include ingestion, inhalation, and direct radiation. Routes of exposure are based on site specific information such as receptor locations, receptor ages, distance and direction to release locations, and water usage around the plant. The site-specific REMP program has been developed and maintained in accordance with NUREG-1301.

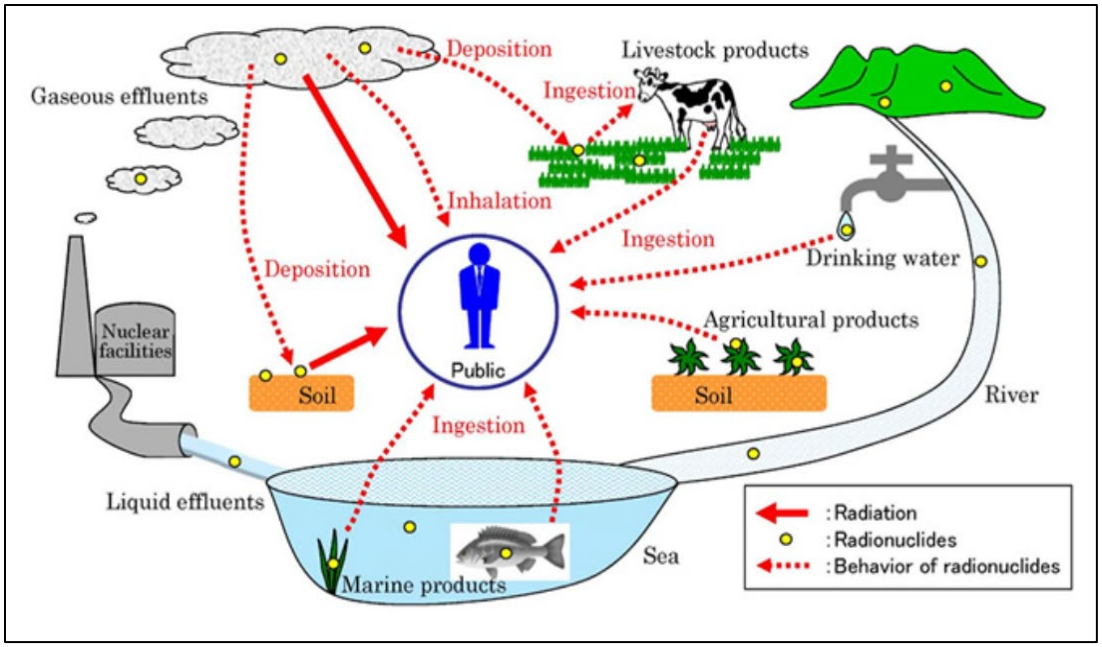


Figure 1: Monitored Potential Exposure Pathways

Diablo Canyon Power Plant (DCPP) consists of two Westinghouse pressurized water reactors (PWR) each producing approximately 1,100 megawatts electrical (MWe). Unit 1 began commercial operation on May 7, 1985 and Unit 2 began commercial operation on March 13, 1986. Operation of DCPP continues to have no detectable radiological impact offsite. Samples analyzed from the offsite sampling stations continue to show no radiological contribution from plant operations.

DCPP REMP sends replicate split samples of stations 7G1 vegetation (quarterly), 5F2 milk (monthly), 5S2 drinking water (monthly), DW1 drinking water (monthly), OUT seawater (monthly), DCM kelp (quarterly), DCM perch (quarterly), DCM rockfish (quarterly), and DCM ocean sediment (annually) to the California Department of Public Health - Radiologic Health Branch (CDPH-RHB) Laboratory as part of a California State split sampling program. These split samples are independently analyzed by the CDPH-RHB.

Other pathways independently monitored by the CDPH-RHB are quarterly direct radiation environmental TLD stations (MT1, 1A1, 1C1, 4D1, 5F3, 5S1, 7D1, 7C1, 7F1, and 8S2) and weekly air sampling particulate and I-131 (at stations 5F3 and 7D1).

The public can request access to these CDPH-RHB split sampling data results by emailing the CDPH at environmental.radiation@cdph.ca.gov.

This report and previous DCPP AREOR's can be found on the NRC website at: https://www.nrc.gov/reactors/operating/ops-experience/tritium/plant-specific-reports/diab1-2.html

4 Site Description and Sample Locations

Diablo Canyon Power Plant (DCPP) is owned and operated by Pacific Gas & Electric (PG&E) Company. PG&E owns and provides environmental stewardship to approximately 14 miles of Pacific Ocean coastline along the central coast of California and approximately 13,000 acres surrounding the 1,000-acre DCPP site boundary. The PG&E property extends roughly from Avila Beach to Montana de Oro State Park. DCPP is located approximately seven miles WNW of Avila Beach and approximately four miles SSE of Montana de Oro State Park.

The Radiological Environmental Monitoring Program (REMP) for the Diablo Canyon Power Plant (DCPP) was designed with the following specific objectives in mind. These objectives continue to be in force, to varying degrees, throughout facility operation:

- To provide an early indication of the appearance or accumulation of any radioactive material in the environment caused by facility operation. Preoperational data is also used in this comparison.
- To provide assurance to regulatory agencies and the public that the station's environmental impact is known and within anticipated limits.
- To provide standby monitoring capability for rapid assessment of risk to the public in the event of unanticipated or accidental releases of radioactive material from DCPP.
- The environmental media selected are based on the critical dose pathways of the radionuclides from the environment to man. They include the following: direct radiation, air, water, fish, ocean sediment, and invertebrates. Supplemental samples such as algae, kelp, local agricultural crops, recreational beach sand, groundwater, meat, and milk are also collected. The sampling locations have been determined by land use, site meteorology, and local demographics. Guidance for this monitoring program is provided by the Radiological Assessment Branch Technical Position on Radiological Environmental Monitoring, Revision 1, November 1979 (NUREG-1301).

Required sampling, analysis frequencies, and locations of samples collected are captured in the following tables and figures.

Table 4-1: Direct Radiation Monitoring

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
An inner ring of stations, one in each terrestrial meteorological sector in the general area of the SITE BOUNDARY;	0S1, 0S2, WN1, 1S1, 2S1, 3S1, 4S1, 5S1, 6S1, 7S1, 8S1, 9S1, 8S2, 5S3, and MT1	Quarterly	Gamma Dose	Required
An outer ring of stations, one in each terrestrial meteorological sector in the 2.5 to 14 km range from the site; and	0B1, 1A1, 1C1, 2D1, 3D1, 4C1, 5C1, 6D1, and 7C1	Quarterly	Gamma Dose	Required
One or two areas to serve as control stations; and	2F2, 4D1, 5F1	Quarterly	Gamma Dose	Required
The balance of the stations to be placed in special interest areas such as population centers, nearby residences, or schools.	5F3, 7D1, 7D2, 7F1, and 7G2	Quarterly	Gamma Dose	Required
A minimum of four stations around the ISFSI	IS1, IS2, IS3, IS4, IS5, IS6, IS7, IS8	Quarterly	Gamma Dose	Required

Table 4-2: Airborne Radioiodine. Samples from ≥ 4 stations:

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
Three samples from close to the three SITE BOUNDARY locations (0S2, 8S1, & MT1) in different sectors.	0S2, 8S1, and MT1	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	I-131 analysis	Required
One sample from the vicinity of a community having the highest calculated annual average ground level D/Q.	7D1	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	I-131 analysis	Required
If food products are unavailable, additional air sampling will be done in the NNW (station 1S1) and SE (Station 8S2) sectors.	1S1 & 8S2	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	I-131 analysis	Required
One sample from a control location.	5F1	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	I-131 analysis	Required

Table 4-3: Airborne Particulate. Samples from ≥ 4 stations:

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
Three samples from close to the three SITE BOUNDARY locations (0S2, 8S1, & MT1) in different sectors.	0S2, 8S1, and MT1	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	Weekly gross beta radioactivity analysis following filter change. Quarterly gamma isotopic analysis of composite consisting of approx. 12 filters (by location).	Required
One sample from the vicinity of a community having the highest calculated annual average ground level D/Q.	7D1	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	Weekly gross beta radioactivity analysis following filter change. Quarterly gamma isotopic analysis of composite consisting of approx. 12 filters (by location).	Required
If food products are unavailable, additional air sampling will be done in the NNW (station 1S1) and SE (Station 8S2) sectors.	1S1 & 8S2	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	Weekly gross beta radioactivity analysis following filter change. Quarterly gamma isotopic analysis of composite consisting of approx. 12 filters (by location).	Required
One sample from a control location.	5F1	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	Weekly gross beta radioactivity analysis following filter change. Quarterly gamma isotopic analysis of composite consisting of approx. 12 filters (by location).	Required

[1] Airborne particulate sample filters shall be analyzed for gross beta radioactivity 24 hours or more after sampling to allow for radon and thoron daughter decay. If gross beta activity in air particulate samples is greater than 10 times the yearly mean of control samples, gamma isotopic analysis shall be performed on the individual samples.

Table 4-4: Airborne Carbon-14. Samples from 3 stations:

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample from each of the NW and SE sectors close to the site (0S2 and 8S1). One sample used as a control station (5F1).	0S2, 8S1 5F1 (control)	Continuous sampler operation with sample collection weekly, or more frequently if required by dust loading.	C-14 analysis	Supplemental

Table 4-5: Surface Ocean Water

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample from the plant Outfall, Diablo Cove, and an area not influenced by plant discharge.	OUT, DCM, and 7C2	Monthly (grab sample)	Gamma isotopic and tritium analysis.	Required
One sample from the plant Outfall, Diablo Cove, and an area not influenced by plant discharge.	OUT, DCM, and 7C2	Quarterly (grab sample)	Gross Beta, Total Sr 89/90, Fe-55, and Ni-63	Supplemental

Table 4-6: Drinking Water

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample from the plant drinking water, one sample from Diablo Creek (upstream of plant), and one control sample.	DW1, 5S2, and OEL (control)	Monthly (grab sample)	Gamma isotopic, I-131, and tritium analysis.	Required
One sample from the plant drinking water, one sample from Diablo Creek (upstream of plant), and one control sample.	DW1, 5S2, and OEL (control)	Quarterly (grab sample)	Gross Beta, Total Sr 89/90, Fe-55, and Ni-63	Supplemental
One sample from Diablo Creek (downstream of plant) and one sample from Blanchard Spring.	WN2 and 1A2	Quarterly (grab sample)	Gamma isotopic, tritium, I-131, gross beta, Total Sr 89/90, Fe-55, and Ni-63	Supplemental

Table 4-7: Groundwater

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample from wells located under or downgradient from the plant power block.	OW1, OW2, GW1 and GW2	Quarterly (grab sample, when available)	Gamma isotopic tritium, gross beta,Total Sr 89/90, Fe-55, and Ni-63	Supplemental
One sample from a well located outside the plant power block (control sample).	WW2, 8S3	Quarterly (grab sample, when available)	Gamma isotopic, tritium, gross beta,Total Sr 89/90, Fe-55, and Ni-63	Supplemental

Table 4-8: Marine Flora

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample of kelp	DCM, PON, POS, and 7C2	Quarterly (when available)	Gamma isotopic	Supplemental
One sample of intertidal algae	DCM and 7C2	Quarterly (when available)	Gamma isotopic	Supplemental

Table 4-9: Ocean Sediment and Beach Sand

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample of offshore ocean sediment from Diablo Cove and Rattlesnake Canyon.	DCM and 7C2	Annual (grab sample)	Gamma isotopic	Required
One sample of offshore ocean sediment from Diablo Cove and Rattlesnake Canyon.	DCM and 7C2	Annual (grab sample)	Total Sr 89/90, Fe-55, and Ni-63	Supplemental
One sample from each of five local recreational beaches.	AVA, MDO, PMO, CYA, and CBA	Semi- Annual (grab sample)	Gamma isotopic, Total Sr 89/90, Fe-55, and Ni-63	Supplemental

Table 4-10: Fish and Invertebrates

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample of rock fish (family Sebastes) and one sample of perch (family Embiotocidae)	DCM and 7C2	Quarterly (grab sample)	Gamma isotopic analysis on edible portions of each sample.	Required
One sample of rock fish(family Sebastes) and one sample of perch (family Embiotocidae)	PON and POS	Quarterly (grab sample)	Gamma isotopic analysis on edible portions of each sample.	Supplemental
One sample of mussel (family Mytilus)	DCM and 7C2	Quarterly (grab sample)	Gamma isotopic analysis on edible portions of each sample.	Required
One sample of mussel (family Mytilus)	PON	Annual (grab sample)	Gamma isotopic analysis on edible portions of each sample.	Supplemental
One sample of mussel (family Mytilus)	POS	Quarterly (grab sample)	Gamma isotopic analysis on edible portions of each sample.	Supplemental
One sample of locally harvested market fish.	7D3 OR 2F1 (should alternate between locations)	Quarterly (grab sample)	Gamma isotopic analysis on edible portions of each sample.	Supplemental

Table 4-9: Broadleaf Vegetation

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
Three samples of broadleaf vegetation grown nearest off-site locations of highest calculated annual average ground level D/Q **IF** milk sampling is not performed.		Monthly (when available)	Gamma isotopic analysis (that includes I-131) on edible portion.	Required
One sample of each of the similar broadleaf vegetation grown 15 to 30 km distant in the least prevalent wind direction **IF** milk sampling is not performed.		Monthly (when available)	Gamma isotopic analysis (that includes I-131) on edible portion.	Required

[1] If broadleaf vegetation is unavailable, additional air sampling as specified in Table 4-2 and Table 4-3 will be done in the NNW (station 1S1) and SE (station 8S2) sectors.

Table 4-10: Vegetative Crops

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample of broadleaf vegetation or vegetables or fruit	5F2, 7C1, 7G1	Monthly (when available)	Gamma isotopic analysis on edible portion.	Supplemental
One sample of broadleaf vegetation or vegetables or fruit.	3C1, 6C1, 7E1	Quarterly (as provided by land owner)	Gamma isotopic analysis on edible portion.	Supplemental

Table 4-11: Milk Samples

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
Samples from milking animals in three locations within 5 km distance having the highest dose potential. If there are none, then one sample from milking animals in each of three areas between 5 to 8 km distance where doses are calculated to be greater than 1 mrem per year. One sample from milking animals at a control location 15 to 30 km distant and in the least prevalent wind direction. **NOTE:** The sample (5F2) should be taken monthly even if there are no indicator samples available.	5F2	Semimonthly when animals are on pasture; monthly at other times.	Gamma isotopic and I-131 analysis.	Supplemental

[1] The Branch Technical Position (Nov 79) states, "Any location from which milk can no longer be obtained may be dropped from the surveillance program after notifying the NRC in writing that they are no longer obtainable at that location". Although milk sampling performed at 5F2 is outside the 5-mile radius and is supplemental to the REMP, this notification should take place if 5F2 milk sampling ceases.

Table 4-12: Meat Samples.

Number of Representative Samples and Sample Locations	Sampling Stations	Collection Frequency	Type of Analysis	Required or Supplemental
One sample of each species (cow, goat, sheep, deer, or pig) of edible meat portion slaughtered for personal consumption (not mass market).	BCM, BGM, BSM, JDM, JPM, ACM, ADM, APM, CCM	Quarterly (as available and provided by landowners within 8 km of plant site)	Gamma isotopic analysis, and Total Sr 89/90 on edible portion.	Supplemental

Table 4-13: Distances and Directions to Environmental Monitoring Stations.

Station Code	Station Name	Radial Direction** (Degrees)	Radial Distance from Plant** (km)	Radial Distance from Plant**
0S1	Exclusion Fence-Northwest Corner	320	0.16	0.1
0S2	North Gate	320	0.8	0.5
1S1	Wastewater Pond	330	0.64	0.4
2S1	Back Road-300 m North of Plant	0	0.32	0.2
3S1	Road NW of 230 kV Switchyard	23	0.64	0.4
4S1	Back Road Between Switchyards	43	0.8	0.5
5S1	500 kV Switchyard	58	0.64	0.4
5S2	Diablo Creek Weir	65	0.96	0.6
5S3	Microwave Tower Road	70	1.02	0.7
6S1	Microwave Tower	94	0.8	0.5
7S1	Overlook Road	112	0.48	0.3
8S1	Target Range	125	0.8	0.5
8S2	Southwest Site Boundary	128	1.76	1.1
8S3	DCSF 96-1 (monitor well)	140	0.64	0.4
9S1	South Cove	167	0.64	0.4
MT1*	Meteorological Tower	185	0.32	0.2
DCM*	Diablo Cove Marine	249	0.44	0.27
WN1*	Northwest Guard Shack	290	0.32	0.2
WN2*	Diablo Creek Outlet	283	0.25	0.15
1A1	Crowbar Canyon	327	2.56	1.6
1A2	Blanchard Spring	331	2.4	1.5
0B1	Point Buchon	325	5.76	3.6
1C1	Montana de Oro Campground	336	7.52	4.7
3C1	Ranch Vegetation	20	7.16	4.5
4C1	Clark Valley Gravel Pit	45	9.28	5.8
5C1	Junction Prefumo/See Canyon Roads	64	7.52	4.7
6C1	Household Garden	98	7.24	4.5
7C1	Pecho Creek Ruins (Mello Farm)	120	6.56	4.1
7C2	Rattlesnake Canyon	124	7.52	4.7
2D1	Sunnyside School	10	11.04	6.9
3D1	Clark Valley	24	9.92	6.2
4D1	Los Osos Valley Road	36	12.16	7.6
6D1	Junction See/Davis Canyon Roads	89	13.4	8.3
7D1	Avila Gate	118	10.56	6.6
7D2	Avila Beach	110	12.16	7.6
7D3	Avila Pier	120	11.0	6.9
7E1	Avila Valley Barn	103	13.94	8.66
2F1	Morro Bay (Commercial Landing)	0	17.44	10.9
2F2	Morro Bay Power Plant	358	17.9	11.2
5F1	SLO OEL	79	16.41	10.2
5F2	Cal Poly Farm	60	20.16	12.6
5F3	SLO County Health Department	70	20.32	12.7

7F1	Shell Beach	110	17.28	10.8
7G1	Arroyo Grande (Kawaoka Farm)	115	26.88	16.8
7G2	Oceano Substation	118	27.68	17.3
AVA*	Avila Beach (near pier)	109	11.75	7.3
CBA*	Cambria Moonstone Beach	330	45.86	28.5
CYA*	Cayucos Beach (near pier)	350	26.87	16.7
DY1*	Drywell 115’	77	0.041	0.026
DW1*	Drinking Water (Plant Potable Water Sys)	161	0.59	0.37
GW1*	Groundwater Monitoring Well 1	271	0.15	0.09
GW2*	Groundwater Monitoring Well 2	195	0.21	0.13
IS1-IS8*	ISFSI	59	0.38	0.23
MDO*	Montana de Oro (Spooners Cove)	336	7.56	4.7
OW1*	Observation Well 01	336	0.07	0.046
OW2*	Observation Well 02	157	0.07	0.045
OEL*	Offsite Emergency Lab	79	16.41	10.2
OUT*	Plant Outfall	229	0.15	0.01
PMO*	Pismo Beach (near pier)	113	20.76	12.9
PON*	Pacific Ocean North of Diablo Cove	287	0.56	0.35
POS*	Pacific Ocean South of Diablo Cove	176	0.7	0.44
WW2*	Water Well 02	70	1.02	0.63
BCM*	Blanchard (Farm) Cow Meat	320	1.94	1.2
BGM*	Blanchard (Farm) Goat Meat	320	1.94	1.2
BSM*	Blanchard (Farm) Sheep Meat	320	1.94	1.2
CCM*	Control Cow Meat	328	59.5	37
JDM*	Johe (Property) Deer Meat	21	5.24	3.26

*Station does not follow the coding system
**The reference point used is the dome of Unit 1 containment

Station Code (XYZ):

X - (0-9) represents the radial sector in which the station is located:

0	- Northwest	5	- East-northeast
1	- North-northwest	6	- East
2	- North	7	- East-southeast
3	- North-northeast	8	- Southeast
4	- Northeast	9	- South-southeast

Y - (S, A-H) represents the distance from the plant:

S	- On-site	E	- 8-10 miles from plant
A	- 0-2 miles from plant (but off-site)	F	- 10-15 miles from plant
B	- 2-4 miles from plant	G	- 15-20 miles from plant
C	- 4-6 miles from plant	H	- Greater than 20 miles from plant
D	- 6-8 miles from plant		

Z - Represents the station number within the zone.

5 Maps of Collection Sites

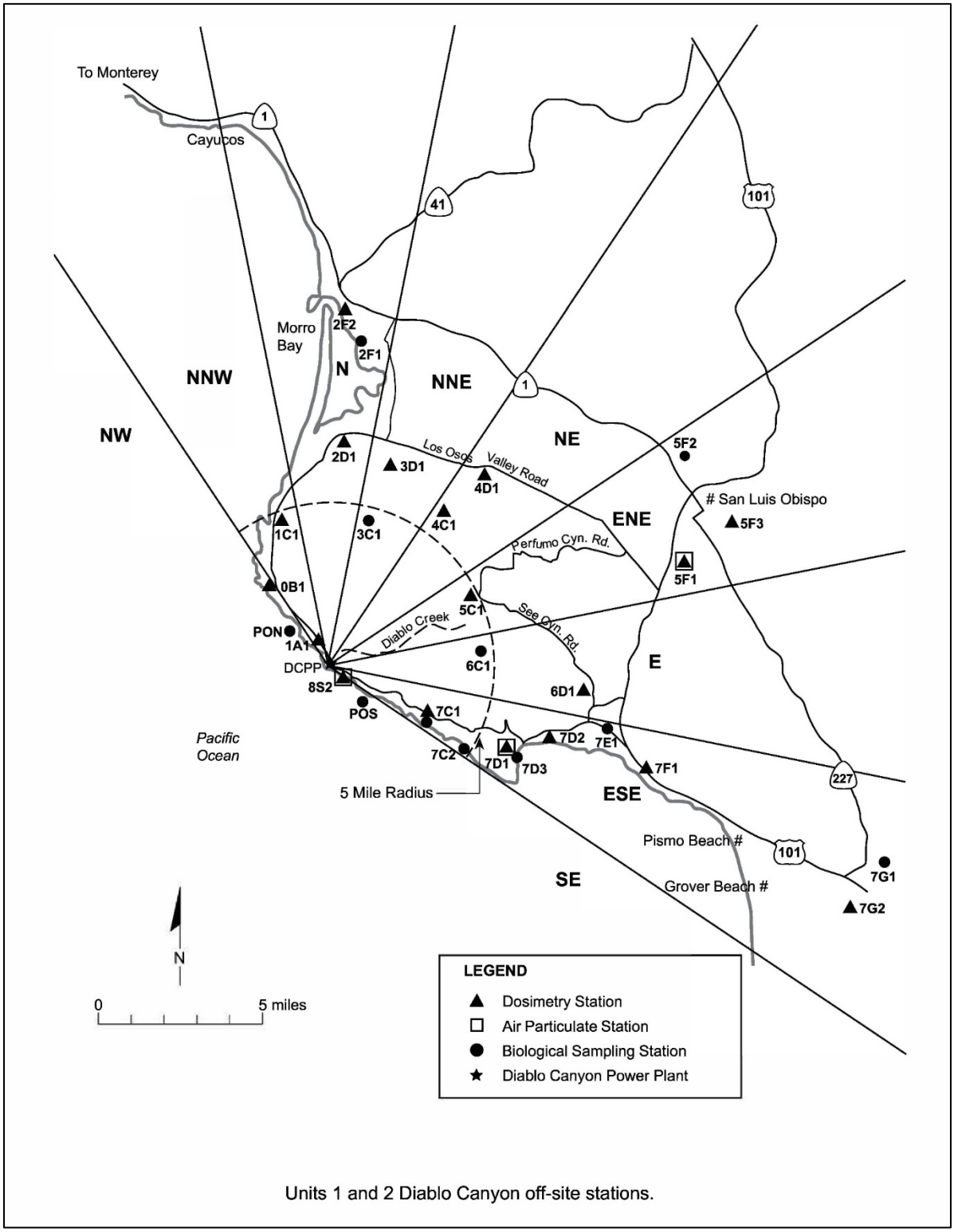


Figure 2: Diablo Canyon Off-site Stations

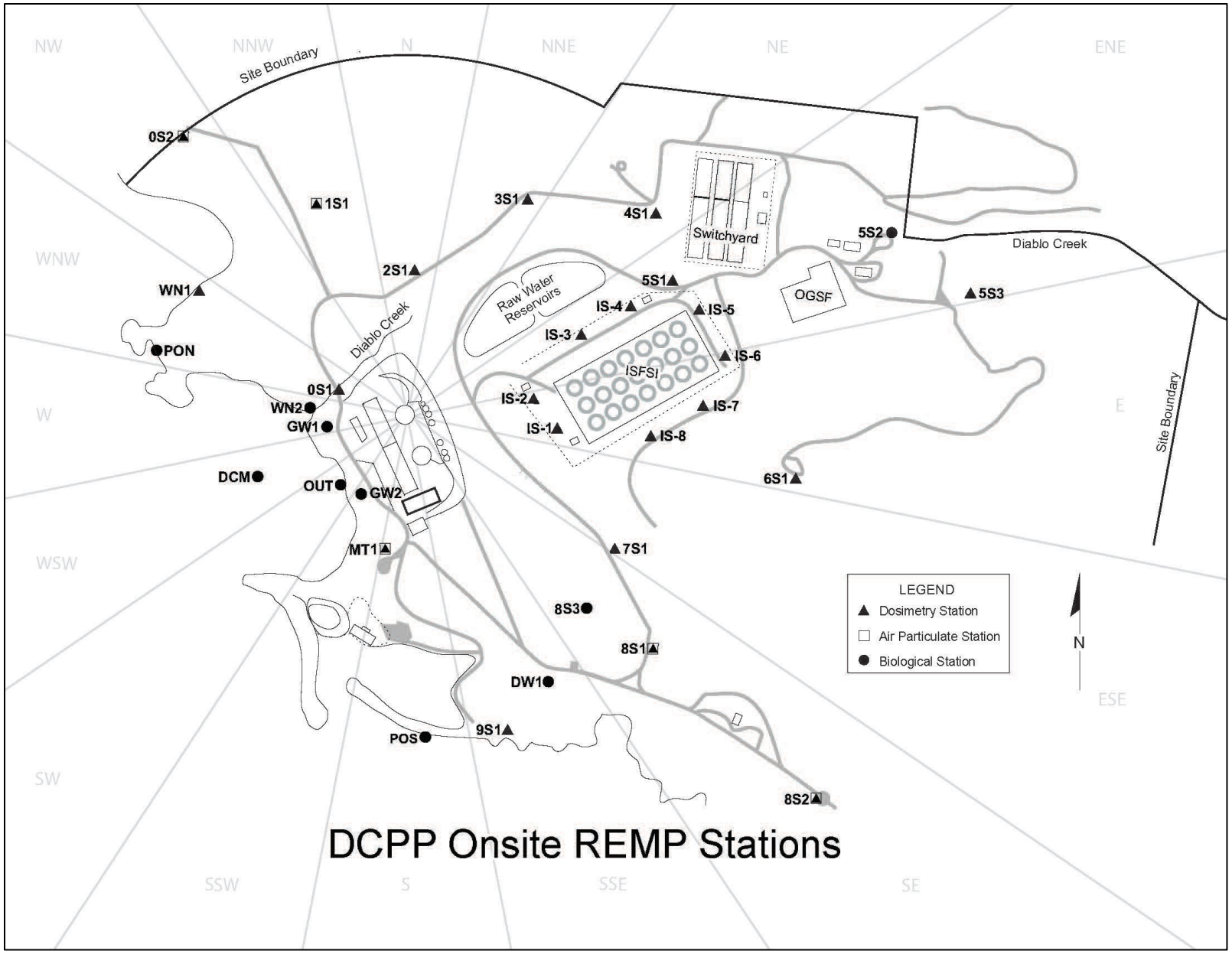


Figure 3: Diablo Canyon Onsite REMP Stations

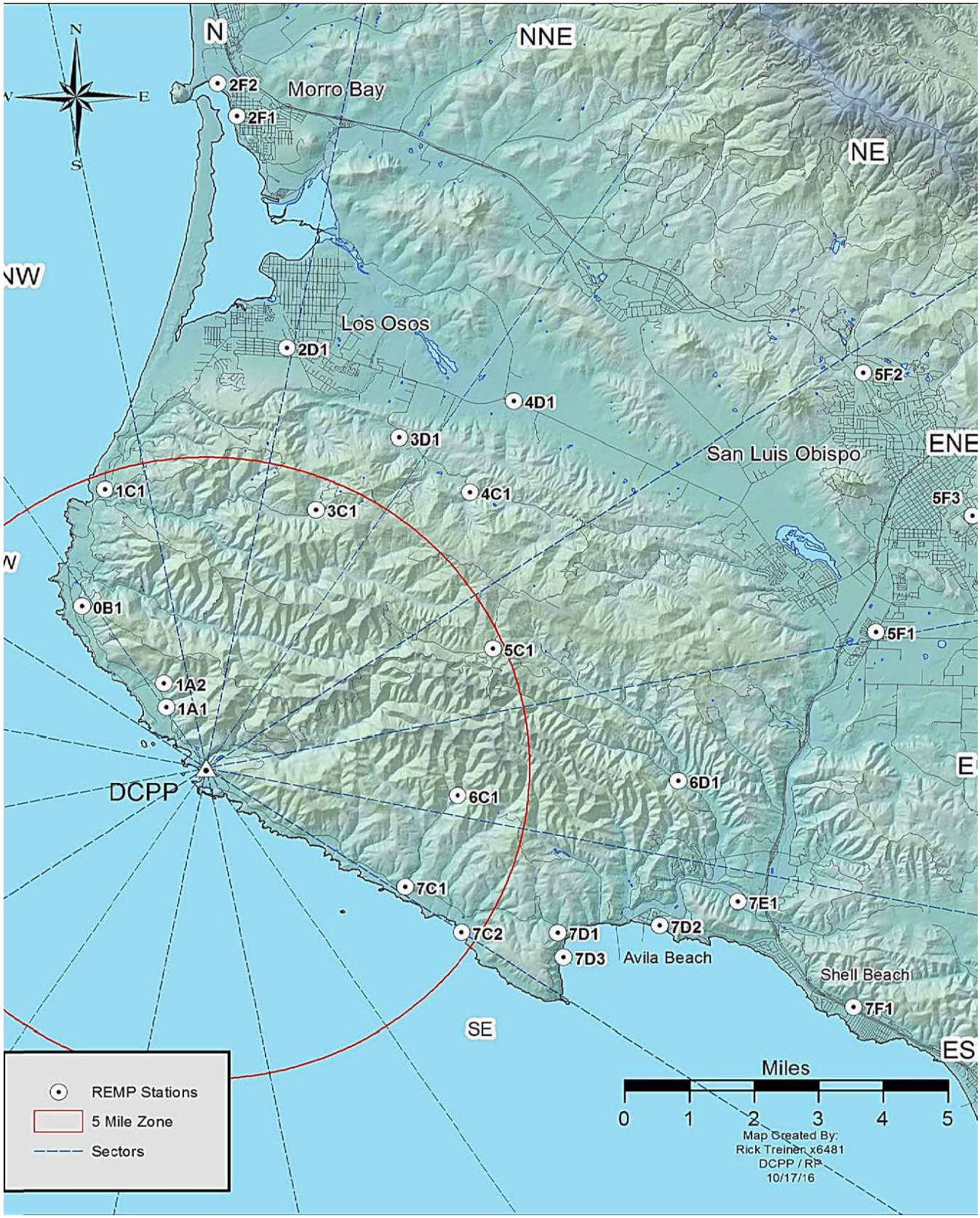


Figure 4: Relief map showing REMP stations.

6 Reporting Levels

Table 6-1: Reporting Levels for Radioactivity Concentrations in Environmental Samples

Analysis	Water (pCi/L)	Airborne Particulate or Gases (pCi/m^3)	Fish (pCi/kg, wet)	Milk (pCi/L)	Food Products (pCi/kg, wet)
H-3	20,000 [1]				
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	2 [2]	0.9		3	100
Cs-134	30	10	1,000	60	1,000
Cs-137	50	20	2,000	70	2,000
Ba-La-140	200			300	

[1] For drinking water samples. This is the 40 CFR 141 value. If no drinking water pathway exists, a value of 30,000 pCi/L may be used.
[2] If no drinking water pathway exists, a value of 20 pCi/L may be used.

6.1 Lower Limits of Detection

Table 6-2: Detection Capabilities for Environmental Sample Analysis[1] and Lower Limits of Detection

Analysis	Water (pCi/L)	Airborne Particulate	Fish (pCi/kg)	Milk (pCi/L)	Food Products	Soil/Sediment (pCi/kg) [2]
Gross beta	4	0.01				
H-3	400 [3]					11,000
Mn-54	15		130			150
Fe-59	30		260			300
Co-58	15		130			150
Co-60	15		130			150
Zn-65	30		260			300
Zr-95	30					300
Nb-95	15					150
I-131	1 [4]	0.07		1	60	
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180
Ba-140	60			60		600
La-140	15			15		150

[1] The gamma emitters and corresponding LLD values listed are derived from standard ODCM guidance for environmental samples as found in NUREG-1301, Table 4.12-1. This list does not mean that only these nuclides are to be considered. Other peaks that are identifiable, together with those of the above nuclides, are also analyzed and reported in the Annual Radiological Environmental Operating Report.

[2] The gamma emitters LLD values listed for soil/sediment are derived from the Cs-134/137 10:1 ratio established in the environmental LLDs in NUREG-1301, Table 4.12-1.

[3] If no drinking water pathway exists, a value of 3,000 pCi/L may be used for tritium. All groundwater wells should use the 400 pCi/L tritium value regardless of drinking water use.

[4] The LLD value of 1 pCi/L for I-131 is applicable only to sources used as drinking water. If no drinking water pathway exists, a value of 15 pCi/L may be used for I-131.

Table 6-2 Notations

For a particular measurement system, which may include radiochemical separation:

$$LLD = \frac{4.66 s_b}{E \times V \times 2.22 \times Y \times \exp(-\lambda t)}$$

Where:

LLD	=	the "a priori" the lower limit of detection as defined above (as pCi per unit mass or volume)
S_b	=	the standard deviation of the background counting rate or of the counting rate of a blank sample as appropriate (as counts per minute)
E	=	the counting efficiency (as counts per transformation)
V	=	the sample size (in units of mass or volume)
2.22	=	the number of transformations per minute per pico-curie
Y	=	the fractional radiochemical yield (when applicable)
λ	=	the radioactive decay constant for the particular radionuclide
t	=	the elapsed time between sample collection (or end of the sample collection period) and time of counting

The value of S_b used in the calculation of the LLD for a detection system will be based on the actual observed variance of the background counting rate or of the counting rate of the blank samples (as appropriate) rather than on an unverified theoretically predicted variance. In calculating the LLD for a radionuclide determined by gamma-ray spectrometry, the background will include the typical contributions of other radionuclides normally present in the samples (e.g., potassium-40 in milk samples).

Analyses will be performed in such a manner that the stated LLDs will be achieved under routine conditions. Occasionally background fluctuations, unavoidably small sample sizes, the presence of interfering nuclides, or other uncontrollable circumstances may render these LLDs unachievable. In such cases, the contributing factors will be identified and described in the Annual Environmental Radiological Operating Report.

Typical values of E, V, Y and t should be used in the calculation. It should be recognized that the LLD is defined as an *a priori* limit representing the capability of a measurement system and not as the *a posteriori* limit for a particular measurement.

7 Sampling Program Design, Modification, and Interpretation of Results

REMP samples are collected primarily by DCPP REMP personnel and sent to General Engineering Labs (GEL) in Charleston, South Carolina for all isotopic analyses. Fish (except market fish) and ocean sediment samples are collected by contract divers of Tenera Environmental and given to DCPP REMP personnel for shipment to GEL. Market fish samples are collected by local commercial fishers and then purchased by DCPP REMP personnel in one of two local fish markets for shipment to GEL. Environmental direct radiation analyses are conducted using thermo-luminescent dosimeters (TLD). Environmental TLD analysis is conducted by Mirion Technologies in Oakridge, Tennessee.

The REMP is designed to allow comparison of levels of radioactivity in samples from the areas possibly influenced by DCPP to levels found in areas not influenced by the facility operations. Areas with the potential to be influenced by facility operations are called "indicator" stations. Areas with sufficient distance from the plant that are not likely to be influenced by facility operations are called "control" stations. The distinction between the two zones is based on distance and relative direction from the site. Analysis of survey data from the two zones aided in determination of site environmental influence. Analysis from the two zones facilitates differentiation between radioactive releases and seasonal variations in the natural environmental background radioactivity.

Regarding the tables and descriptions from Section 4, deviations are permitted from the required sampling schedule if specimens are unobtainable due to circumstances such as hazardous conditions, seasonal unavailability, malfunction of automatic sampling equipment, and other legitimate reasons. If specimens are unobtainable due to sampling equipment malfunction, effort shall be made to complete corrective action prior to the end of the next sampling period. All deviations from the sampling schedule shall be documented in the Annual Radiological Environmental Operating Report. It is recognized that, at times, it may not be possible or practicable to continue to obtain samples of the media of choice at the most desired location or time. In these instances, suitable specific alternative media and locations may be chosen for the particular pathway in question and appropriate substitutions made within 30 days in the Radiological Environmental Monitoring Program, and submitted in the next Annual Radioactive Effluent Release Report, including a revised figure(s) and table for the REMP reflecting the new location(s) with supporting information identifying the cause of the unavailability of samples for that pathway and justifying the section of the new location(s) for obtaining samples.

Isotopic analysis results are classified as "detected" if the *a posteriori* analysis result is greater than the Minimum Detectable Concentration (MDC) value for that specific analysis. Detected concentrations (> MDC) of nuclear power plant related isotopes are highlighted with yellow-fill cell background in Attachment 2 for quick identification. Naturally occurring radioactive materials (NORM) are not highlighted (e.g. gross beta, Be-7, K-40, thorium, radium, radon, lead, etc).

This report provides tables in Attachment 1 that summarize the analytical results of the environmental samples collected over the entirety of the monitoring period. The results are presented in a format similar to that prescribed in the NRC's Radiological Assessment Branch Technical Position on Environmental Monitoring, Revision 1, November 1979 (NUREG-1301). Each table is sample matrix specific and the total numbers of analyses for each radionuclide are provided. Additionally, the number of measurements which exceeded the NRC notification reporting levels found in Section 6 of this report are provided.

The *a posteriori* Minimum Detectable Concentration (MDC) listed for each analysis in Attachment 2 is used as the detection evaluation point for each sample collected. A sample is considered to yield a "detectable measurement" when the result concentration exceeded the associated MDC value for that analysis. The MDC was calculated by the laboratory with each analysis (*a posteriori*) and incorporated conditions observed at the laboratory during the analysis. The *a priori* Lower Limit of Detection (LLD) equation used by the environmental lab is the same as the *a priori* Lower Limit of Detection equation specified in NUREG-1301.

7.1 DIRECT RADIATION

Direct ambient radiation is measured at 32 stations near DCPP and at 8 stations near the DCPP ISFSI using Panasonic UD814 TLD type badges. Environmental TLD badge packets are distributed and collected from field stations by DCPP REMP personnel and then shipped to Mirion Technologies for processing on a quarterly basis. Control badges accompany the field badges during shipment and deployment to measure any non-station dose received during transit time periods.

The TLD badges have valid element correction factors (ECF), are calibrated using a NIST-traceable cesium-137 source, annealed prior to placement, and sealed in watertight packaging. Three TLD badges are placed at each station and each badge contains 3 calcium sulfate phosphors for a total of 9 calcium sulfate phosphors at each station. The 9 phosphors are analyzed and then averaged to provide a single quarterly station reading. Transit process exposure is subtracted, and that single reading is converted into a microrem per hour (µrem/hour) dose rate dependent on the in-field exposure period. Then the µrem/hour dose rate is converted into millirem (mrem) per standard (91 day) quarter. This millirem result is reported as "Standard Quarter TLD Results" for each station in Table 7-1: 2022 Quarterly and Annual TLD Analysis.

DCPP Environmental TLD "Standard Quarter TLD Results" are measurements of all environmental gamma radiation sources (cosmic, terrestrial, radon, man-made, etc.) at each station during the in-field deployment period. These all-inclusive exposure values were used to create the trend graphs in Figures 5 and 6. ANSI/HPS N13.37-2014 methodology was used to report "Quarterly / Annual Investigation Level Dose" to quantify DCPP facility related exposure.

Technically, these TLDs read out in units of milliroentgen. Because gamma radiation has a quality factor of approximately 1 for conversion from milliroentgen to millirem, the environmental TLD unit of reporting was converted to millirem (mrem) for consistency of unit reporting and ease of exposure communications.

An evaluation of direct radiation measurements and member of public occupancy times within the site boundary indicated all federal criteria for member-of-public dose limits (10CFR20.1301) were conservatively met. An evaluation of direct radiation measurements indicated all federal EPA 40CFR190 criteria were conservatively met. Comparing data from the 2022 DCPP Annual Radiological Effluent Release Report (ARERR), dose to a member-of-public resulting from gaseous effluent releases at DCPP was an extremely small fraction of annual Env TLD background dose. Therefore, it was concluded that gaseous effluents from DCPP had negligible impact on site related measured Env TLD values.

Table 7-1: 2022 Quarterly and Annual TLD Analysis lists the dose results for each individual station. These individual station results were compared to their "Historical Quarterly Baseline" values. There were no investigation level values for quarterly or annual dose results to report.

Table 7-1: 2022 Quarterly and Annual TLD Analysis

		2022 Quarterly REMP Env TLD Analysis									2022 Annual REMP Env TLD Analysis		
DCPP Station ID	Distance in miles	Historical Quarterly Baseline (mrem)	2022 Standard Quarter TLD Results (mrem) Qtr 1	Qtr 2	Qtr 3	Qtr 4	2022 Quarterly Investigation Level Dose (mrem) Qtr 1	Qtr 2	Qtr 3	Qtr 4	Historical Annual Baseline (mrem)	2022 Annual TLD Result (mrem)	2022 Annual Investigation Level Dose (mrem)
MT1	0.2	21.5	18.5	19.1	18.0	18.5	ND	ND	ND	ND	86.0	74.1	ND
WN1	0.2	12.7	11.9	12.6	10.7	11.6	ND	ND	ND	ND	50.8	46.8	ND
0S1	0.1	20.7	20.0	19.8	20.0	18.7	ND	ND	ND	ND	82.8	78.5	ND
5S1	0.4	23.1	22.0	21.0	21.8	21.8	ND	ND	ND	ND	92.4	86.6	ND
6S1	0.5	14.0	13.9	12.9	14.9	13.2	ND	ND	ND	ND	56.0	54.8	ND
8S1	0.5	17.1	16.2	15.2	15.7	16.2	ND	ND	ND	ND	68.4	63.4	ND
8S2	1.1	21.0	20.3	19.1	20.6	18.8	ND	ND	ND	ND	84.0	78.7	ND
5S3	0.7	19.2	17.9	17.9	18.2	17.3	ND	ND	ND	ND	76.8	71.3	ND
2F2	11.2	14.1	13.4	12.8	12.7	12.8	ND	ND	ND	ND	56.4	51.7	ND
2D1	6.9	12.8	12.7	12.7	13.2	12.0	ND	ND	ND	ND	51.6	50.6	ND
4D1	7.6	11.9	11.1	10.9	10.4	9.9	ND	ND	ND	ND	47.6	42.4	ND
5F1	10.2	17.5	17.0	16.1	15.7	15.3	ND	ND	ND	ND	70.0	64.2	ND
1A1	1.6	12.0	12.4	12.7	11.8	11.3	ND	ND	ND	ND	48.0	48.2	ND
7D2	7.6	16.6	15.5	15.8	15.6	14.4	ND	ND	ND	ND	66.4	61.3	ND
7G2	17.3	17.6	18.2	17.8	18.3	16.3	ND	ND	ND	ND	70.4	70.6	ND
7C1	4.1	18.1	17.5	16.9	16.5	17.5	ND	ND	ND	ND	72.4	68.4	ND
7F1	10.8	17.1	16.5	15.3	17.8	16.4	ND	ND	ND	ND	68.4	66.0	ND
0B1	3.6	10.2	9.9	10.1	9.5	9.6	ND	ND	ND	ND	40.8	39.1	ND
7D1	6.6	11.2	10.7	10.6	9.5	10.2	ND	ND	ND	ND	44.8	41.1	ND
4C1	5.8	10.6	10.3	10.9	9.2	*	ND	ND	ND	ND	42.4	*40.5	ND
0S2	0.5	17.7	17.0	15.8	16.4	15.5	ND	ND	ND	ND	70.8	64.6	ND
1S1	0.4	17.4	17.1	16.6	17.0	16.0	ND	ND	ND	ND	69.6	66.7	ND
2S1	0.2	16.8	15.8	15.6	15.5	15.1	ND	ND	ND	ND	67.2	62.1	ND
3S1	0.4	20.9	19.1	19.5	19.8	18.5	ND	ND	ND	ND	83.6	76.8	ND
4S1	0.5	19.5	19.2	18.9	18.7	18.1	ND	ND	ND	ND	78.0	74.9	ND
7S1	0.3	18.5	19.4	18.9	18.8	18.2	ND	ND	ND	ND	74.0	75.3	ND
9S1	0.4	22.6	21.8	21.4	22.5	20.7	ND	ND	ND	ND	90.4	86.5	ND
1C1	4.7	13.2	12.6	12.0	12.6	11.6	ND	ND	ND	ND	52.8	48.8	ND
5C1	4.7	16.4	15.3	15.9	15.8	15.0	ND	ND	ND	ND	65.6	62.0	ND
3D1	6.2	12.8	12.5	12.5	12.4	11.8	ND	ND	ND	ND	51.2	49.2	ND
6D1	8.3	14.1	13.8	13.3	13.0	13.8	ND	ND	ND	ND	56.4	53.9	ND
5F3	12.7	17.2	14.3	13.9	13.4	13.6	ND	ND	ND	ND	68.8	55.4	ND

*4C1 not collected 4th Qtr due to extensive inclemenent weather and deteriorating roads leading to that station. Annual result based on average of quarters 1-3. SAPN 51184936.

ND = Not Detected

The 2022 AREOR historical baselines have been determined using ANSI/HPS N13.37-2014 methodology and Env TLD station results from approximately 2004 to 2014. Quarterly Investigation Level Dose = Standard Quarter TLD result - Historical Quarterly Baseline. If ≤ 6, report "ND". If > 6, report value (mrem).

Annual TLD Result = Qtr 1 + Qtr 2 + Qtr 3 + Qtr 4 Standard Quarter TLD Results

Annual Investigation Level Dose = Annual TLD Result - Historical Annual Baseline. If ≤ 12, report "ND". If > 12, report value (mrem).

See DCPP Station ID Maps in Figures 2, 3, & 4.

Figure 5 illustrates overall trending of Env TLDs relative to distance from the DCPP plant site. The Env TLD results were measurements of all environmental gamma radiation sources (cosmic, terrestrial, radon, and man-made) during the deployment period to allow for trending. Inner ring, outer ring, special interest, and control stations were combined and averaged to obtain a single standard quarter value for each represented plot line. Inner ring, outer ring, special interest, and control stations Env TLD averages remained within and trended with pre-operational Env TLD ranges. DCPP operations did not affect Env TLD results.

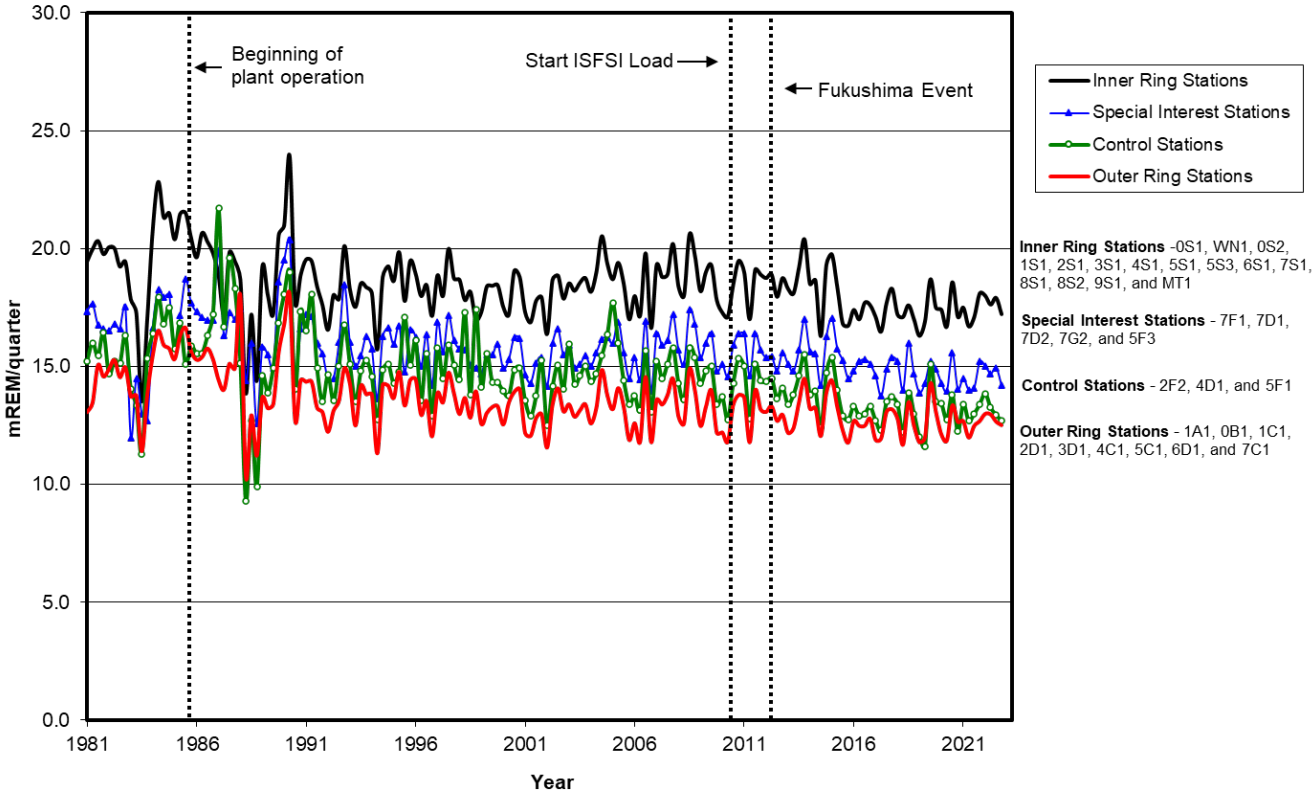


Figure 5: TLD trending by distance from DCPP

Figure 6 illustrates averaged Env TLD results from the southeast sector (stations 8S1, 8S2) and northwest sector (stations 0S1, 0S2, 0B1). The Env TLD results were measurements of all environmental gamma radiation sources (cosmic, terrestrial, radon, and man-made) during the deployment period to allow for trending. These sectors were chosen for graphical trending due to their historically high averaged wind rose directions and would therefore indicate the most gaseous effluent impact on Env TLD results. The southeast and northwest sectors Env TLD averages trended with pre-operational Env TLD ranges. DCPP operations did not affect Env TLD results within these sectors. Averaged control stations (2F2, 4D1, 5F1) are provided for reference.

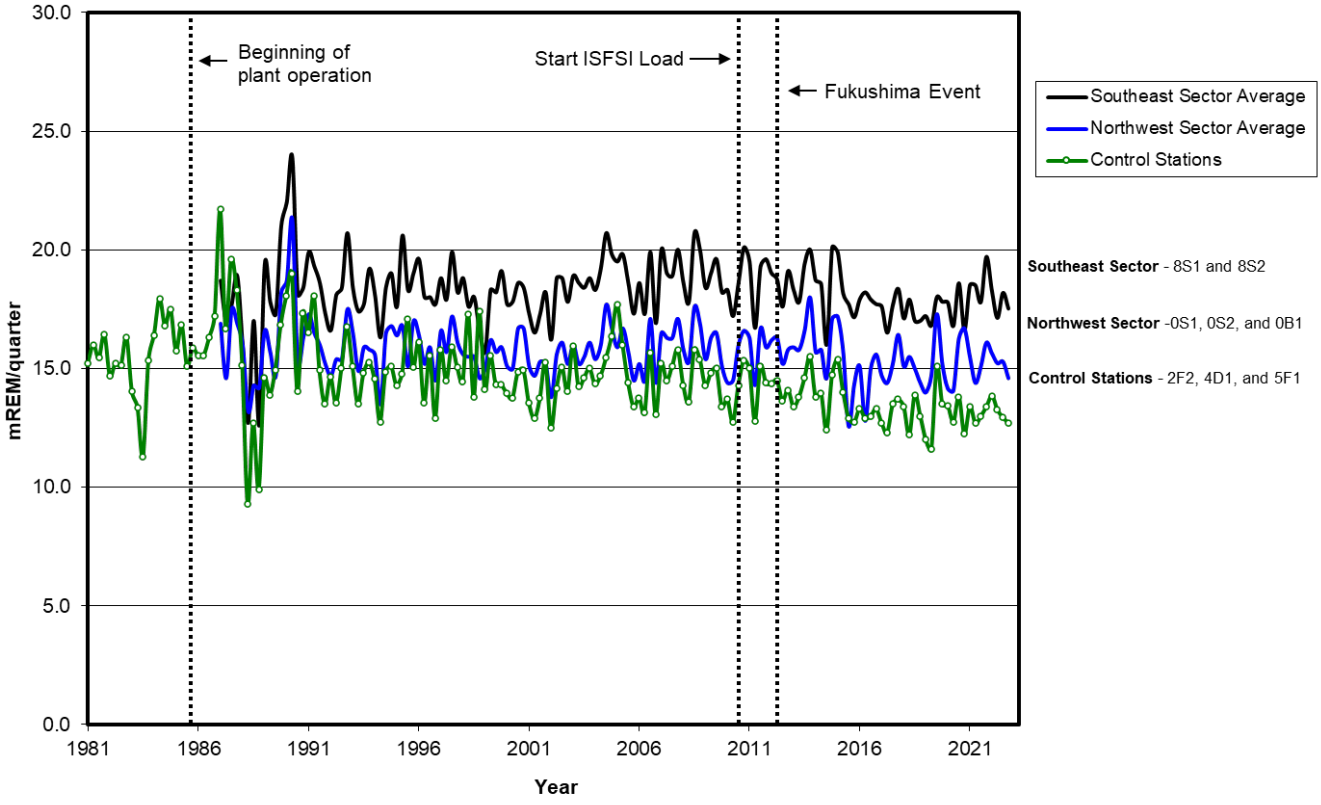


Figure 6: Average TLD results from southeast and northwest sectors with control stations.

7.1.1 Direct Radiation from onsite ISFSI

DCPP is licensed with an exclusion area boundary (i.e., site boundary) as an approximate 880-yard radius from U-1 Containment center. No permanent public access is permitted within the exclusion area. The unrestricted area (i.e., outside the site boundary) surrounding DCPP is sparsely inhabited out to five miles from the site (ref. 2022 Land Use Census within Section 8).

The direct radiation levels within a very small area surrounding the onsite ISFSI are elevated due to dry cask spent fuel storage. The first spent fuel dry cask canister was loaded onto the ISFSI pad in June 2009. There have been a total of seven cask loading campaigns with the most recent taking place in the summer of 2018. A total of 58 loaded dry casks are currently stored within the onsite ISFSI. ISFSI pad TLD stations IS-1 through IS-8 are located adjacent to the ISFSI pad fencing (see map in Figure 3 of this report). The remaining onsite areas are not affected with exposure due to the ISFSI topographical elevation and placement on a hillside which provides radiation shielding to the rest of the site.

DCPP ISFSI Pad within hillside, on south side of the make-up water reservoirs

Table 7-2: Quarterly and Annual ISFSI Environmental TLD Analysis.

		2022 Quarterly ISFSI Env TLD Analysis									2022 Annual ISFSI Env TLD Analysis		
DCPP Station ID	Distance in miles	Historical Quarterly Baseline (mrem)	2022 Standard Quarter TLD Results (mrem) Qtr 1	Qtr 2	Qtr 3	Qtr 4	2022 Quarterly Investigation Level Dose (mrem) Qtr 1	Qtr 2	Qtr 3	Qtr 4	Historical Annual Baseline (mrem)	2022 Annual TLD Result (mrem)	2022 Annual Investigation Level Dose (mrem)
IS-1	0.3	23.1	23.3	24.6	24.5	22.8	ND	ND	ND	ND	92.4	95.2	ND
IS-2	0.3	23.1	23.3	24.1	22.9	23.1	ND	ND	ND	ND	92.4	93.4	ND
IS-3	0.3	23.1	53.9	58.6	52.0	47.1	30.8	35.5	28.9	24.0	92.4	211.7	119.3
IS-4	0.3	23.1	97.5	112.4	93.5	90.3	74.4	89.3	70.4	67.2	92.4	393.7	301.3
IS-5	0.3	23.1	39.6	46.3	39.8	39.2	16.5	23.2	16.7	16.1	92.4	164.9	72.5
IS-6	0.3	23.1	39.3	42.5	39.2	38.3	16.2	19.4	16.1	15.2	92.4	159.3	66.9
IS-7	0.3	23.1	40.8	43.9	40.0	37.6	17.7	20.8	16.9	14.5	92.4	162.3	69.9
IS-8	0.3	23.1	21.6	23.7	23.0	22.4	ND	ND	ND	ND	92.4	90.7	ND

ND = Not Detected
The 2022 AREOR historical baselines have been determined using ANSI/HPS N13.37-2014 methodology and Env TLD station 5S1 results from approximately 2004 to 2014.
The historical baseline from REMP Station 5S1 was used for the ISFSI stations due to it's onsite close proximity to ISFSI.
Quarterly Investigation Level Dose = Standard Quarter TLD result - Historical Quarterly Baseline. If $\leq$ 6, report "ND". If > 6, report value (mrem).
Annual TLD Result = Qtr 1 + Qtr 2 + Qtr 3 + Qtr 4 Standard Quarter TLD Results
Annual Investigation Level Dose = Annual TLD Result - Historical Annual Baseline. If $\leq$ 12, report "ND". If > 12, report value (mrem).

See DCPP Station ID Map in Figure 2.2

The Quarterly Investigation Level and Annual Investigation Level doses were due to spent fuel dry casks stored on the ISFSI pad.

The DCPP ISFSI Pad is located conservatively within the DCPP site boundary and is not located within the unrestricted area.
The DCPP ISFSI Pad is topographically elevated above most of the site and is built into a hillside. These characteristics shield onsite locations from ISFSI related radiation.
No permanent public access is permitted onsite within the DCPP site boundary.
Access occupancy surrounding the onsite ISFSI is restricted and controlled by DCPP Security. The above reported annual exposures are 24 x 365 occupancy exposure at that location.
If someone was to reside in a low occupancy condition (about 2.5 hrs per week) at ISFSI location IS-4 all year, their resulting exposure would be about 4.7 mrem/year above background.
10CFR20.1301 onsite member of public exposure and 40CFR190 unrestricted area exposure were evaluated. Dose limits were not exceeded and were conservatively met.

Table 7-2 reports the 2022 ISFSI Env "Standard Quarter TLD Results" for each individual station. These individual ISFSI station results were compared using the 2004 to 2014 "Historical Quarterly Baseline" and "Historical Annual Baseline" value at station 5S1. Station 5S1 was used for historical baseline purposes due to its proximity to the ISFSI pad.

"Quarterly and Annual Investigation Level Dose" was detected at ISFSI Env TLD stations IS-3 through IS-7 due to DCPP spent fuel dry casks stored on the ISFSI pad. Uncontrolled public access is not permitted within the DCPP site boundary. The DCPP ISFSI Pad is located conservatively within the DCPP site boundary. The DCPP ISFSI Pad is topographically elevated above most of the site and is built into a hillside. These characteristics shield most onsite locations from ISFSI related radiation.

The reported ISFSI Env TLD annual exposures reflect an occupancy condition of 24 hours per day and 365 days per year. Personnel access surrounding the onsite ISFSI is restricted and controlled by DCPP security to a low occupancy condition of less than 2.5 hours per week. Based on this occupancy time and the maximum area exposure rate (IS-4), the most an individual could receive in a year is approximately 4.7 millirem above annual background radiation exposure. This is roughly equivalent to exposure from a ten-hour airline flight. An evaluation of direct radiation measurements and member-of-public occupancy times within the site boundary indicated all federal criteria for member-of-public dose limits (10CFR20.1301), and all federal EPA 40 CFR 190 criteria, were conservatively met.

Figure 7 displays the averaged TLD results (IS-1 through IS-8). The Env TLD results were measurements of all environmental gamma radiation sources (cosmic, terrestrial, radon, and man-made) during the deployment period to allow for trending.

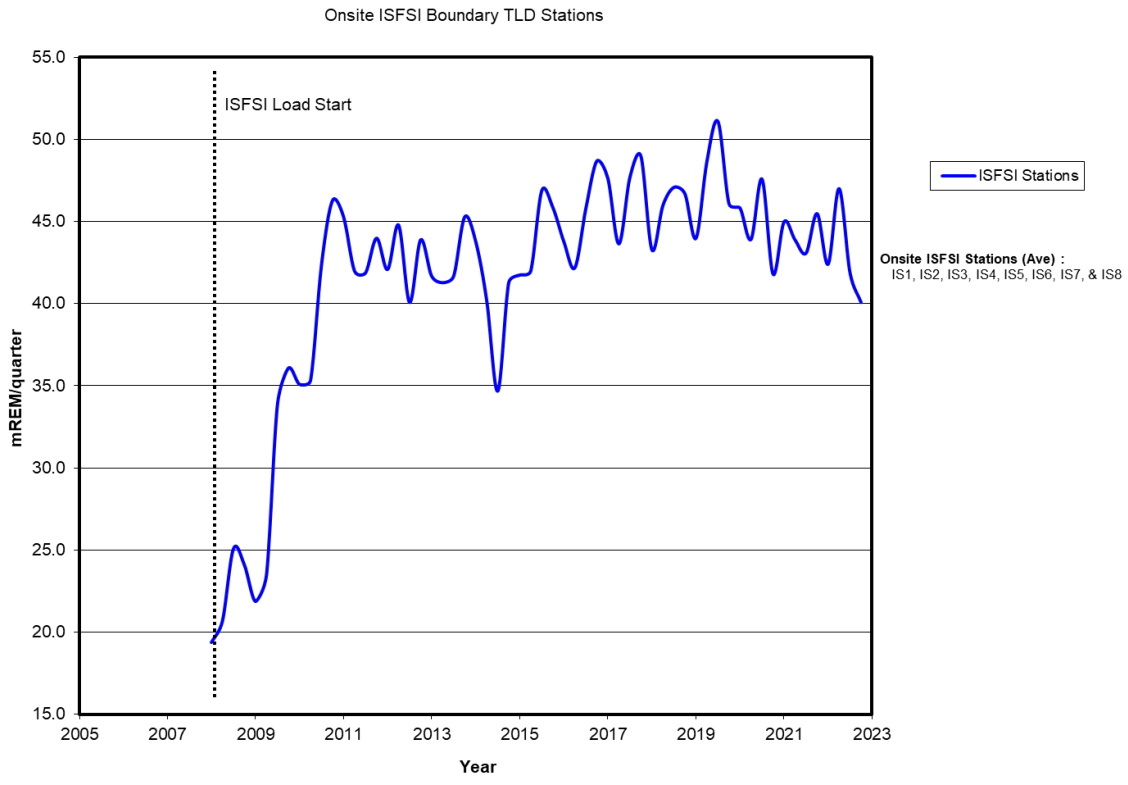


Figure 7: Onsite ISFSI boundary TLD Stations

7.2 AIRBORNE

Constant-flow air samplers (F&J model DF-1) are used to draw air through paper filters to collect air particulates (station matrix AP = Air Particulate) and through triethylenediamine (TEDA) impregnated charcoal cartridges to collect radioiodine (station matrix AC = Air Cartridge). The air sampling flow rate is conducted at approximately 2.55 cubic meters per hour. The air sampling collection filters are located approximately seven feet above the ground. The sample volumes were determined by F&J Corporation model DF-1 flow meters (corrected to standard temperature and pressure, STP) which are installed downstream of the sample filters.

At the end of the weekly sampling period, the particulate filter and TEDA charcoal cartridge are collected. All necessary data regarding the air volume readings, flow rate, sampler on/off time, date of collection, and sampler station location are recorded and submitted to GEL along with the filter samples for isotopic analysis. Approximately 72 hours after sampling (to allow for radon and thoron daughter decay), the particulate filter papers collected from the field are placed on individual planchets and counted for gross beta activity in a low background, thin window gas proportional counter. Air particulate and radioiodine samples were collected weekly from six indicator stations (MT1, 0S2, 1S1, 7D1, 8S1, and 8S2) in the DCPP environs and one control station (5F1). A total of 363 air particulate filters and 363 iodine cartridges were collected and analyzed as part of the normal REMP. There were no detections of I-131 in 2022.

Natural occurring gross beta activity was detected in nearly every weekly air particulate sample collected from all indicator and control stations. Comparison of the data showed that the mean values of gross beta activities for the indicator stations were consistent with those obtained for the control station and historical trending. Normal background gross beta values ranged from 1.93E-3 to 8.29E-2 pCi/m3.

Gamma isotopic analyses were performed on quarterly composites of the 13 air particulate filters from each of the REMP air stations. The midpoint date of the quarter was used to label the composite. There were no gamma isotopic detections in 2022.

DCPP air sampling station equipment

GEL and DCPP REMP worked together to develop a method for sampling environmental airborne inorganic C-14. Inorganic C-14 (as CO_2) is the primary exposure pathway to man via photosynthesis in plants. A constant flow air sampler is used to draw air through a solid phase carbon sensitive sorbent cartridge. The air sampler is set at a flow rate of 1 standard liter-per-minute. The air sample filter cartridge head is located approximately seven feet above the ground. At the end of the weekly sampling period, the filter cartridge is collected. All necessary data regarding the air volume, flow rate, sampler on/off time, date of collection, and sampler station location are recorded and submitted to GEL along with the sample filter for C-14 analysis.

At GEL, a suitable portion of the solid sorbent material is processed through a method utilizing wet oxidation to remove volatile CO_2 from the media in a closed distillation system. Once removed from the media, C-14 as carbon dioxide is sparged through a dilute acid solution for trapping any tritium water present in the sample. After sparging through dilute acid, the CO_2 is trapped in a sorbent solution which is added to a liquid scintillation cocktail and finally counted in a liquid scintillation counter. It should be noted that C-14 results in Section 19 are reported in microcuries (µCi) per cubic meter. This method meets the following specifications:

- Validated to retain 99.9% of inorganic C-14 in air
- Validated at collection rates of approximately 1 liter-per-minute
- Validated for a one-week total collection capacity
- Accurate analysis of C-14 over a wide range of concentrations
- Methodology free from interference by other radionuclides
- Detection capability of approximately 8E-7 µCi per cubic meter

Airborne Carbon-14 samples were collected weekly from two indicator stations (8S1, 0S2) in the DCPP environs and one control station (5F1). A total of 155 Carbon-14 cartridges were collected and analyzed as part of the REMP. There were no Carbon-14 detections in 2022.

7.3 INGESTION PATHWAY

7.3.1 Milk

There are no milking animals (for human consumption) within 5 miles of the plant site. In substitution, the DCPP REMP required additional air sampling at stations 1S1 and 8S2. Supplemental samples of milk are collected monthly from Cal Poly Farm (station 5F2) due to the Cal Poly dairy being the closest milk producer relative to the DCPP site and regardless of the availability of milk stations within 5 miles of the plant. The milk samples are analyzed for gamma emitting radionuclides, Iodine-131, and total strontium 89/90. No DCPP related radionuclides were detected in station 5F2 milk samples during 2022.

There are currently no animals within the 5-mile vicinity of the site utilized for milk consumption by humans. However, supplemental samples of cow milk are collected monthly from the Cal Poly Farm (5F2) which is approximately 13 miles from DCPP.

Three 1-gallon plastic containers of milk are collected each sampling period by DCPP personnel. Forty grams of sodium bisulfite preservative are added to each gallon of milk sample. The containers are sealed and shaken thoroughly to distribute the preservative. The containers are labeled with sample type, station ID, collection date, collection time, and the individual who performs collection. The samples are then express-shipped (due to the short half-life of I-131) to GEL for analysis.

One milk sample in 2022 did not meet the LLD requirement for Iodine-131 due to vendor analyst oversight. The sample was shipped on May 5 and arrived to GEL on May 6. Gamma analysis was performed on May 13 but I-131 was overlooked and not analyzed for until June 8. Due to the long delay/ hold time and the short half-life of I-131 (8 days), the MDC (Minimum Detectable Counts) for the analysis was 4.45E+00 pCi/L. This is well above the LLD established in RP1.ID11 of 1 pCi/L. The activity result reported for I-131 was -1.25E+00 pCi/L. (SAPN 51157011)

There were no DCPP related isotopes detected in milk samples in 2022.

7.3.2 Meat

Meat products are collected quarterly when available or provided from landowners. Blanchard cattle were allowed to graze on the northern DCPP lands during 2022. Blanchard Cow Meat (BCM) was sampled quarterly for gamma emitting radionuclides and total strontium 89/90. Supplemental Blanchard Sheep Meat (BSM) and Blanchard Goat Meat (BGM) were not available and were not provided by the rancher during all of 2022. Blanchard sheep and goats were not within 5 miles of the DCPP site in 2022.

Control station free-range, grass-fed meat samples are obtained from ranches outside the influence of DCPP. This meat is purchased by REMP personnel from local butcher shops and markets. The control station meat consists of Hearst Ranch ground beef which is located approximately 37 miles NNW of the DCPP site, and Templeton Hills ground beef which is located approximately 34 miles NNE of the site. The REMP station code is CCM (Control Cow Meat).

No DCPP related isotopes were detected in meat during 2022.

Cows near TLD Station 6S1

7.3.3 Fish and Invertebrates

The REMP routinely collects samples of rockfish (genus Sebastes), perch (family Embiotocidae), and intertidal mussels (genus Mytilus) from the site environs. Samples are collected quarterly from stations DCM, PON, POS, 7C2, and local fish markets 2F1 or 7D3. Fish are collected from the site environs by contracted divers (Tenera Environmental). The Tenera divers fillet the fish and leave a small portion of skin for identification. Only edible portions (fish fillets) of the fish are analyzed.

Mussels are collected quarterly by REMP personnel during low tide conditions from stations DCM, POS, and 7C2. Mussels are collected annually from station PON (due to availability at

station PON). In-shell mussels are sent to GEL where GEL personnel removed the meat & internal organs for analysis. No DCPP related radionuclides were detected in 2022 mussel samples.

Market Fish caught locally by commercial fishermen are purchased from two local fish markets (Avila Beach Pier-7D3 and Morro Bay-2F1). Market fish samples are typically locally caught rock fish or black cod. All samples are subject to unavailability due to seasonal fluctuations or unfavorable sampling conditions. Marine samples are immediately sealed in plastic containers upon collection. The samples are labeled with sample type, station ID, date, time of collection, and the individual who performed collection. Most samples are frozen (to prevent spoilage odor) before being shipped to GEL for analysis.

Pre-operational (pre-1985) DCPP REMP sampling observed measurable Cs-137 in fish and sediment due to atmospheric nuclear weapons testing fallout from the 1960's and 1970's. Finding Cs-137 in fish or sediment has been historically common in SLO County and the DCPP environs due to atomic weapons testing fallout. The approximate historical fish Cs-137 concentrations have ranged from 3 to 14 pCi/kg.

This Cs-137 activity was also in agreement with the 1981 California Dept of Health Services Radiological Health Branch report and is considered part of SLO County background radioactivity. The preoperational 1981 ranges of Cs-137 observed in the Diablo cove (DCM) fish were 0 to 26 pCi/kg (decay corrected 0 to 10 pCi/kg in 2022). The 1981 ranges of Cs-137 observed in market fish were 0 to 38 pCi/kg (decay corrected 0 to 15 pCi/kg in 2022). The 1981 ranges of Cs-137 observed in ocean sediment were 0 to 93 pCi/kg (decay corrected 0 to 36 pCi/kg in 2022). The 1981 ranges of Cs-137 observed in soil were 0 to 298 pCi/kg (decay corrected 0 to 116 pCi/kg in 2022). Another recent background source of Cs-137 into California environs was due to the March 2011 Fukushima Event and subsequent jet stream isotopic dispersion to the United States.

Because Cs-137 has an isotopic half-life of approximately 30 years, this contaminant should be detected in the California environs for the next 10 to 40 years depending on initial concentration and the detection sensitivity of the REMP analyses. Cs-137 has a longer environmental half-life in coastal seawaters than in open oceans due to input sources like rain watershed runoff and storm condition sediment re-suspension.

While it is common to have detected Cs-137 in fish samples in the range of 3-14 pCi/kg, the number of positive detects largely corresponds to how many samples actually reach this level of MDC. The required LLD for Cs-137 is 150 pCi/kg. Most lab report MDCs for fish in 2022 were in the range of 10-30 pCi/kg, with some being slightly higher and some slightly lower. Out of 32 fish samples analyzed in 2022, Cs-137 was identified in six samples approximately in the expected range greater than MDC. Three of these samples were from indicator stations and three were from control stations.

There was also no Cs-134 found in these fish samples. Cs-134, which has a shorter isotopic half-life (approximately 2 years), would be indicative of nuclear reactor fission products, and would not be attributed to atomic weapons testing. Because Cs-134 was absent in the REMP fish analyses; fish Cs-137 concentrations were attributed to either pre-1980's nuclear weapons testing or Fukushima related fallout with sediment re-suspension into watershed/storm runoff.

Kelp forest directly off the DCPP site coastline

7.3.4 Aquatic Vegetation

Supplemental marine aquatic kelp sampling is performed quarterly at REMP sample indicator stations DCM, PON, POS, and control station 7C2. Kelp is collected by REMP personnel by boat from kelp forests at each station. Supplemental intertidal algae sampling is performed quarterly by REMP personnel during low tide conditions at DCM and 7C2. No DCPP related isotopes were detected in aquatic vegetation samples in 2022.

7.3.5 Vegetation (Food Crops)

Broadleaf food vegetation is required to be collected at the nearest off-site locations of the highest calculated annual average ground level D/Q (deposition coefficient) within 5 miles of DCPP. Unfortunately, there is no broadleaf food vegetation available that satisfies this requirement. Because these food products are unavailable, the DCPP REMP conducts additional weekly air sampling in the SE (station 8S2) and NNW (station 1S1) sectors.

Additional representative samples of food crops (in season) are collected monthly from supplemental stations: Cal Poly Farm (5F2), Kawaoka Farm in Arroyo Grande (7G1), Mello Farm (7C1) along the DCPP site access road, and quarterly from local gardens (3C1, 6C1, and 7E1). The vegetation samples at 5F2, 7G1, 7C1, 3C1, and 7E1 are collected by DCPP personnel and immediately sealed in plastic bags. The quarterly garden vegetation sample at 6C1 is provided by the land occupant (due to difficulty of property access and occupant requested privacy) to

DCPP personnel. The samples are analyzed for gamma emitting radionuclides. No DCPP related isotopes were detected in 2022 vegetation.

Kawaoka Farm (station 7G1)

7.4 WATERBORNE

7.4.1 Ocean Surface Water

Ocean surface water samples are collected monthly by REMP personnel from indicator stations DCM, OUT, and control station 7C2. The samples are analyzed for gamma emitters, gross beta, tritium, total strontium 89/90, Iron-55, and Nickle-63.

One monthly sample taken on April 18th at station DCM returned a positive result above MDC for tritium. This sample coincided with an approved permitted discharge of a Laundry/ Distillate Tank which contained slightly radioactive water. No other plant related isotopes were detected. The radioactive discharge is accounted for and reported in the Annual Radiological Effluents Releaser Report. (SAPN 51153538)

No other DCPP related radionuclides were detected in any of the 2022 ocean surface water samples.

7.4.2 Drinking Water

Drinking water samples are collected by REMP personnel from Diablo Creek Weir (5S2), Diablo Creek Outlet (WN2), Blanchard Spring (1A2), and from the DCPP drinking water system (DW1). Drinking water is also collected from a control station located in San Luis Obispo at 4325 South Higuera Street, Offsite Emergency Lab (OEL). The samples are analyzed for gamma emitters, gross beta, tritium, total strontium 89/90, Iron-55, and Nickle-63.

One monthly drinking water sample from station 5S2 collected February 2nd, did not meet the LLD requirements for I-131 due to shipping delays. This was the only sample in 2022 that didn't meet an LLD for that reason. (SAPN 51146642)

A monthly sample from station DW1 (Diablo Canyon drinking water) taken April 12th showed detectable levels of Nickel-63 below LLD. GEL reported the lab results on May 10th:

Result: 4.41E1 pCi/L

MDC: 2.17E1 pCi/L

LLD: 5.0E1 pCi/L

GEL reported that the sample was recounted two additional times with similar results.

Dose was calculated for a person drinking water from DCPP since the last clean sample (SAPN 51152916):

```
********
Calculated dose of a person drinking water from DCPP continuously at the
rate of standard man (7.3E5 ml/yr - from 10CFR20):

- For the 63 days (0.172yr) from the last clean sample (3/31/22 -
5/10/22) to this date:

        7.3E5 ml/yr x 0.172 yr = 1.26E5 ml

- With the concentration detected converted to uCi/ml multiplied by the
water consumption:

        4.41E-8 uCi/ml x 1.26E5 ml = 0.005566 uCi intake

- Using Fed Guide 11 dose converstion of 0.577 mrem/uCi, the resultant
dose would be

        0.577 mrem/uCi x 0.005566 uCi = 0.003 mrem

********THERE IS NO DOSE CONCERN AT THIS TIME**********
```

At the time this result was reported, the DW1 sample for May was already at GEL awaiting analysis. GEL was asked to expedite the May DW1 sample analysis. Additionally, they were requested to review their work area for cross-contamination and review QC data. GEL responded that there is a possibility the contamination came from the glassware used or that the sample was mis-spiked during prep. The May DW1 sample had no detectable DCPP radionuclides. An additional DW1 sample was taken in May and had no detectable DCPP related radionuclides.

An investigation was performed at DCPP to determine how radionuclides could make it into DCPP drinking water, and if Ni-63 could be present without the presence of typically much more prevalent radionuclides. Interviews were conducted with personnel from Chemistry and Radwaste to discuss any anomalous discharges or filter media. Ni-63 accounts for an extremely low percentage of DCPP's liquid effluents. Tritium activity was roughly a million times higher than Ni-63 in DCPP radioactive liquid effluents in 2021 (2021 ARERR). Even the seawater sample that was taken during an actual discharge in Diablo Cove (DCM) only showed low levels of tritium and no Ni-63.

No DCPP related radionuclides were detected in any other DW1 or drinking water samples.

7.4.3 Ocean and Shoreline Sediment

Ocean sediment samples are collected annually from stations DCM and 7C2 by Tenera. Supplemental recreational beach sand samples are collected semi-annually by REMP personnel between the high tide and low tide boundaries from stations AVA, MDO, PMO, CYA, and CBA. Each sample was analyzed for gamma emitting radionuclides, total strontium 89/90, Iron-55, and Nickle-63.

A sample taken at Cayucos Beach (CYA) on 2/17/2022 resulted in detectable Iron-55 reported by GEL on 3/30/22:

Result: 5.582E4 pCi/kg

MDC: 1.344E4 pCi/kg

LLD: 2E4 pCi/kg

The sample was recounted two additional times by GEL to confirm the results. There were also no other plant-related nuclides detected in the sample. The presence of Fe-55 without the presence of other plant-related nuclides makes it unlikely that the Fe-55 came from DCPP. CYA was sampled again on 3/31/22 and there was no detectable Fe-55. (SAPN 51147904)

No DCPP related radionuclides were detected for all other 2022 sediment samples.

7.4.4 REMP Groundwater

Diablo Canyon is committed to improving management of scenarios involving inadvertent radiological releases that get into onsite groundwater. This commitment reflects the nuclear industry's high standard of public radiation safety and protection of the environment. Trust and confidence on the part of local communities, California State, the NRC, and the public is paramount to this commitment.

As part of the nuclear industry NEI 07-07 Groundwater Protection Initiative (GPI), DCPP began sampling various ground water sources in 2006. These sources included onsite power block French-drain monitoring wells (OW1 & OW2), an aquifer well (WW2), Diablo Canyon creek (5S2 & WN2), up-gradient shallow well (8S3), and a groundwater spring (1A2). Two additional downgradient groundwater monitoring wells (stations GW1 and GW2) were installed along the western side of the DCPP site on December 14, 2011. REMP began sampling these two new wells during the first quarter of 2012.

Groundwater gradient studies of the DCPP ISFSI site and a general assessment of sub-regional hydro-geologic conditions indicates that groundwater (subsurface) flow beneath the Diablo Canyon power block is west to northwest toward the Pacific Ocean. Any groundwater present beneath the DCPP power block was not used as a source of drinking water.

Groundwater aquifer well (WW2) is located about 250 feet above and to the east of the power block within the plant site boundary. WW2 is sampled quarterly for gamma emitters, gross beta, tritium, total strontium 89/90, Iron-55, and Nickle-63. No plant related radionuclides were detected in 2022.

Up-gradient monitoring well (8S3) is located southeast at approximately 0.4 miles from the power block. 8S3 is sampled quarterly for gamma emitters, gross beta, tritium, total strontium 89/90, Iron-55, and Nickle-63. A sample collected on 10/31/2022 had a positive detect for Cesium-137:

Result: 5.29E0 pCi/L

MDC: 1.91E0 pCi/L

LLD: 1.80E1 pCi/L

The sample was taken when the water level in 8S3 was so low it only allowed for the collection of half the required sample. As a result, there was not enough sample volume to meet LLDs for tritium or total strontium. Additionally, the sample was a dark color and contained sediment from the bottom of the well. This may have contributed to the small amount of Cs-137 detected as higher levels of Cs-137 can commonly be seen in the soil from past nuclear weapons testing. 8S3 was resampled on 12/20/22 after significant rainfall in the area had allowed enough water level to return to obtain a full sample. No DCPP related radionuclides were detected.

The shallow French-drain systems discharge into two monitoring wells located within the plant protected area and in close proximity to the containment structures, spent fuel pools, and radiologically controlled area auxiliary building. The French-drain system monitoring wells, Observation Well 01 (OW1) and Observation Well 02 (OW2), are approximately 40 feet deep. OW2 was dry for the entire year of 2022, so there were no sample results.

Station OW1 contained low levels of tritium throughout 2022 due to rainwater washout of gaseous tritium exiting the plant vent system. This tritium was evaluated and attributed to the rain-washout of gaseous tritium exiting the plant vent system via an approved monitored radioactive effluent discharge path. DCPP conducted rain-washout studies to document this phenomenon. Rain-washout tritium communicated with these French-drain systems via building structure to ground interfaces. Once rainwater entered the monitoring wells, the water remained stagnant until another rain event caused transport. Subsequent quarterly sampling routinely indicated consistent tritium values due to monitoring well stagnation. These tritium concentrations were evaluated and were not due to a plant system leak or spill. OW1 is connected to subsurface groundwater flow fissures and routinely trends with rain fall. No other DCPP related isotopes were detected in OW1 during 2022. Rain washout of tritium is discussed within NRC Regulatory Issue Summary (RIS) 2008-003, "Return/Re-use of Previously Discharged Radioactive Effluents".

Groundwater Well 1 (GW1) is located between the DCPP protected area and the Pacific Ocean cliff boundary. This well opening is located at approximately 85' above sea level on the same plane as the power block and is approximately 85' deep. Groundwater Well 2 (GW2) is located between the DCPP protected area and the Pacific Ocean cliff boundary. This well opening is located at approximately 85' above sea level on the same plane as the power block and was approximately 85' deep. No DCPP related isotopes were detected in GW1 or GW2 in 2022.

The Shallow French drain DY1 annual pump-down sample results contained trace amounts of Co-60 and Cs-137. Investigation showed the pump used had internal contamination from previous use in a contaminated system. A new sample of DY1 was collected using a clean bailer and the results came back as-expected with tritium in the range normally seen (from recapture) and no other DCPP related radionuclides. (SAPN 51163830)

Figure 8 and Figure 9 show the site structures, monitoring well locations, elevations, and groundwater gradient patterns on the site:

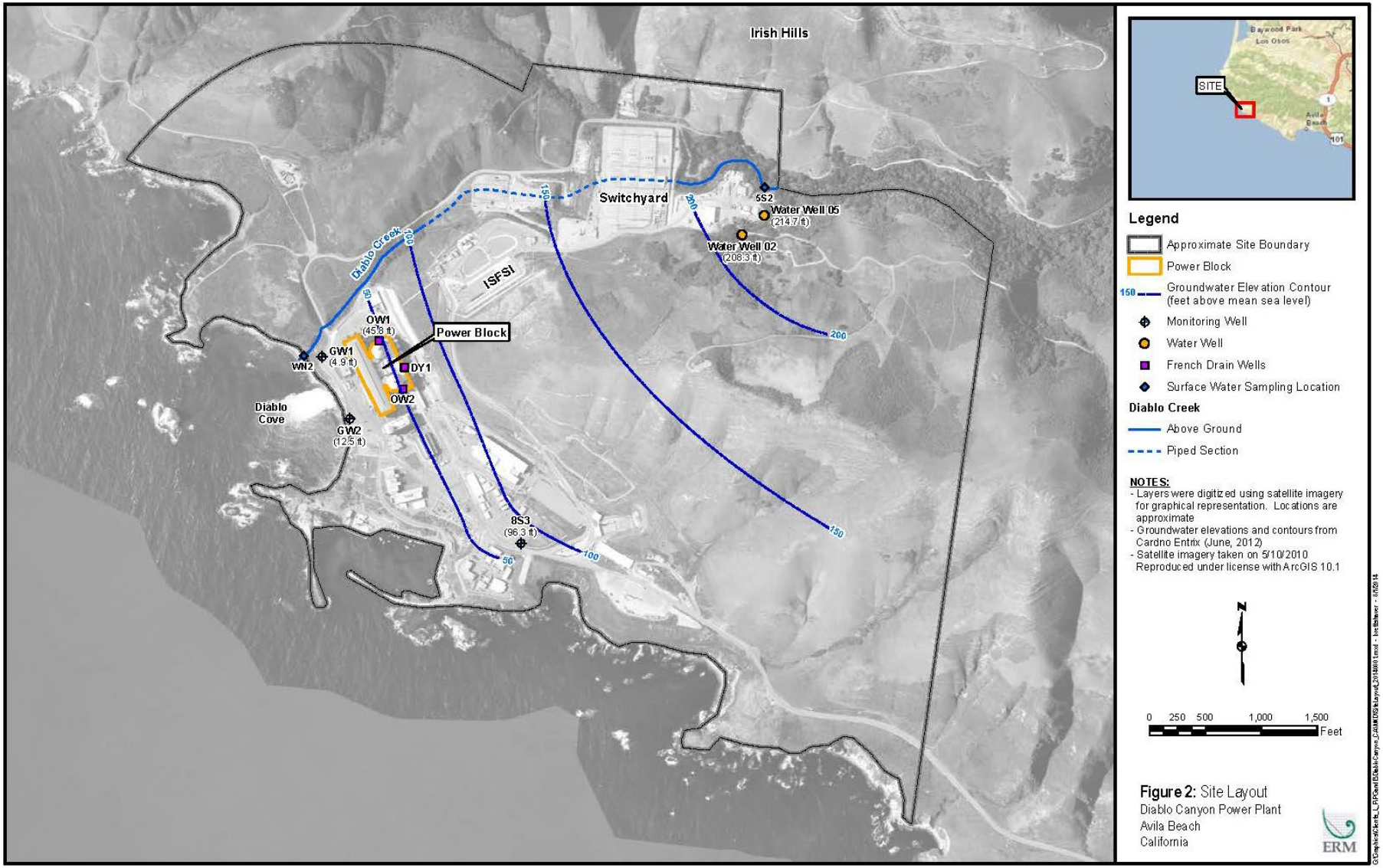


Figure 8: DCPP Site Layout

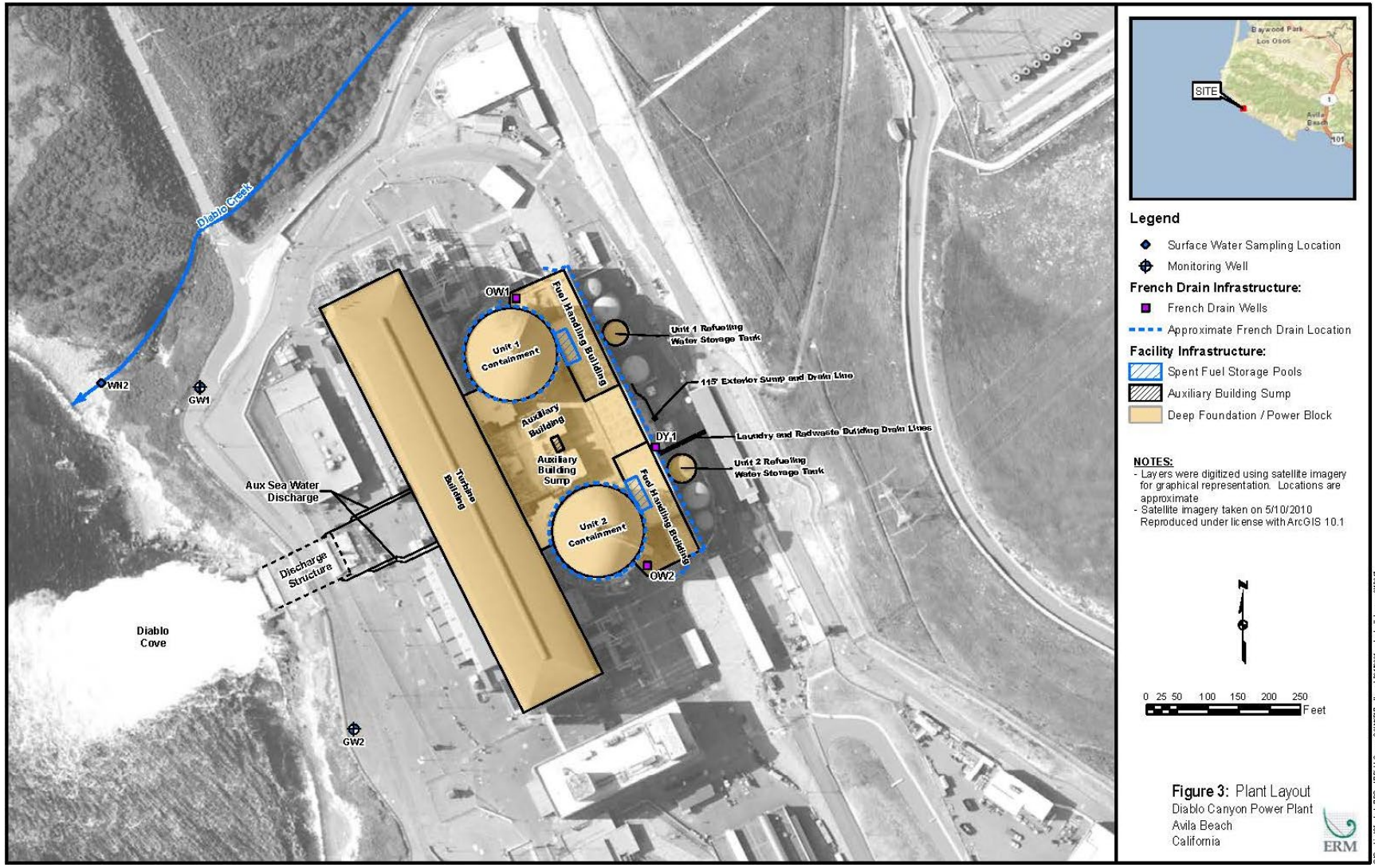


Figure 9: DCPP Plant Layout

8 2022 DCPP Land Use Census

The 2022 LUC was conducted via landowner telephone and email interviews. Interviews were conducted from September 5th, 2022, through September 22nd, 2022. Ten individual landowners or tenants were contacted.

An aerial survey of the 5-mile radial area surrounding DCPP was conducted by helicopter over-flight on September 20th, 2022. Changes to land usage were identified by comparing newly captured high-definition images to those of previous overflights. Google Earth/Maps was also utilized to obtain images, coordinates, and measure distances.

Table 8-1 summarizes the nearest residence location in each meteorological sector.

8.1 Milk

No milk animals were identified within the first 8 kilometers (5 miles) of any sector.

8.2 Residences

The nearest residence, relative to all sectors, was a small trailer located in the NNW sector about 2.43 kilometers (1.51 miles) from the plant. One ranch worker occupied this BLANCHARD trailer approximately 5 days per year.

Eighteen structures were identified within the 8-kilometer (5-mile) radius of the site, which were confirmed or appear to have been occupied in 2022. Twenty-four abandoned structures were identified within the 8-kilometer (5-mile) radius of the site during the LUC.

The nearest residence in each sector was summarized in Table 9-1.

8.3 Gardens

The LUC identified two household gardens greater than 50 square meters (500 square feet) that produced broadleaf vegetation. The READ garden (REMP station 3C1) was approximately ¼ acre and located in the NNE sector at 7.12 kilometers (4.42 miles). The KOONZE garden (REMP station 6C1) was approximately 500 square feet and located in the E sector at 7.46 kilometers (4.63 miles).

8.4 Meat

It should be noted that the term “site-boundary” refers to the area within a radius of approximately 1.2 km (0.74 mi) from the Unit One CTMT structure. The area outside the "site-boundary" is also referred to as the "unrestricted area". Much of the area outside the site-boundary was routinely used for rotational cattle grazing by five separate cattle operations. For purposes of this land use census, the five cattle operations were called BLANCHARD, SINSHEIMER, READ, ANDRE, and MELLO.

BLANCHARD allowed approximately 100 cattle to graze within the DCPP environs in 2022. BLANCHARD did not graze any goats or sheep within 8 km (5 miles) of DCPP in 2022. BLANCHARD’s livestock are sold under the "Old Creek Ranch" label in San Luis Obispo (SLO), Santa Cruz, and Santa Clara counties. "Old Creek Ranch" labeled meats were sampled quarterly by REMP personnel in 2022. The REMP station codes were BCM, BGM, and BSM (if available). BLANCHARD pulls meat from slaughter for personal consumption.

SINSHEIMER had about 100 cattle outside the site-boundary in the NNE sector. The cows were allowed to breed and about 100 yearling calves were sold to mass market in 2022. SINSHEIMER did not slaughter any cattle in 2022 for personal consumption.

READ had about 100 cows, 4 bulls, and 100 yearling calves outside the site-boundary in the NNE sector. About 80 yearling calves were sold to mass market in 2022. READ did not slaughter any cattle in 2022 for personal consumption.

ANDRE had about 50 cattle outside the site-boundary in the ENE sector. About 50 yearling calves were sold to mass market in 2022. ANDRE did not slaughter any cattle in 2022 for personal consumption.

MELLO managed about 400 cattle which were rotated outside the site-boundary in the E, ESE, and SE sectors from the months of January to July in 2022. A commercial cattle corporation owned these cattle and sold all of them to mass market in 2022. MELLO did not slaughter any cattle in 2022 for personal consumption.

Two landowners (JOHE and ANDRE) harvested wild game for personal consumption outside the site-boundary in the NNE, NE, and ENE sectors. This wild game consisted of approximately 2-4 deer per landowner.

8.5 Additional Land Use

There is a California State Park Ranger Office in the NNW sector at 7.48 kilometers (4.65 miles) from the site. Approximately three State Parks staff personnel occupy this office from 1000 to 1500 each day (365 days per year).

There is a public campground (Islay Creek Campground) located in the NNW sector at Montana de Oro State Park at 7.31 kilometers (4.54 miles). This campground is near Spooner's Cove.

Approximately 800,000 people visited Montana de Oro State Park via day-use permit.

Approximately 22,000 people camped overnight at Islay Creek Campground.

There was public access to hiking trails at the north and south end of the PG&E property in 2022:

The Point Buchon Trail is located at the north end of PG&E property and has about 18,000 visitors per year. The trail traverses about 3.4 miles of coastline from Coon Creek to Lion Rock overlook. The trail is open to the public for day hikes Thursday thru Monday from approximately 0800-1700. Two to three people from California Land Management occupied the trail head booth near Coon Creek during operational days from 0700 to 1730.

The Pecho Coast Trail is located at the south end of PG&E property. The trail is approximately 3.8 miles long and leads from the Avila Beach DCPP entrance gate to the Point San Luis Lighthouse property. Pecho Coast Trail hikes are typically available on Wednesdays (about 20 people) and Saturdays (about 40 people). An extension of the trail up the coastline to Rattlesnake Canyon made the trail 8 miles roundtrip and is only usually available on Mondays (about 20 people each trip).

8.6 NEI 07-07 Groundwater Protection Initiative (GPI) Review

There were no site construction activities or radioactive spills that warranted changes to GPI monitoring frequencies, monitoring locations, lab analytical capabilities, or analytical detection thresholds in 2022.

There were no changes in on-site or near site groundwater usage.

Groundwater beneath the site power block was not used as a source of drinking water.

8.7 Old Steam Generator Storage Facility (OSGSF)

The OSGSF vault was located within the site-boundary in the ENE sector (68.3 degrees) at 0.99 km (0.61 mi) from Unit One CTMT.

The following plant equipment was placed into the OSGSF for the duration of the Diablo Canyon Part 50 license on the dates indicated below.

Unit One old steam generators (4 total): 2/14/2009

Unit Two old steam generators (4 total): 3/2/2008

Unit One old reactor head (1 total): 10/23/2010

Unit Two old reactor head (1 total): 11/6/2009

8.8 Independent Spent Fuel Storage Installation (ISFSI)

The on-site dry cask ISFSI pad was located within the site-boundary in the ENE sector (58.47 degrees) at 0.36 km (0.22 mi) from Unit One CTMT. DCPP loaded it's first ISFSI dry cask onto the pad on 6/23/2009.

There were no dry cask loading campaigns in 2022. At the end of 2022, a total of 58 dry casks occupied the ISFSI pad.

Table 8-1: Land Use Census 2022.

22½ Degree[1] Radial Sector	Nearest Milk Animal	Nearest Residence km (mi)	Residence Azimuth Degrees	Nearest Vegetable Garden km (mi)
NW	None	5.76 (3.58)	325.18	None
NNW	None	2.43 (1.51)[2]	332.01	None
N	None	None	—	None
NNE	None	5.18 (3.22)	21.43	7.12 (4.42)[3]
NE	None	7.94 (4.93)	35.33	None
ENE	None	7.15 (4.45)	63.84	None
E	None	5.96 (3.71)	89.89	7.46 (4.63)[4]
ESE	None	None	—	None
SE	None	None	—	None

[1]Sectors not shown are over water and contain no land (other than islets not used for the purposes indicated in this table) beyond the site-boundary.
[2]Blanchard trailer is the residence used for critical receptor calculations.
[3]The Read (REMP station 3C1) vegetable garden is located in the NNE sector and the 19.89 azimuth degree. There is also a limited use residence at this location.
[4]The Koonze (REMP station 6C1) vegetable garden is located in the E sector and the 97.26 azimuth degree. There is also a full-time residence at this location.

9 REMP Sampling Variance/Deviations

The DCPP Radiological Environmental Monitoring Program (REMP) allows for deviations in sampling "if samples are unobtainable due to hazardous conditions, seasonal unavailability, or malfunction of sampling equipment." Such deviations do not compromise the program's effectiveness as some deviations are anticipated in any radiological environmental monitoring program. The program includes both required and supplemental samples. This section will describe the variances/deviations for samples taken in 2022.

9.1 Direct Radiation

The last ISFSI campaign occurred during the third quarter of 2018 (3Q18). During that period, the ISFSI projects team added 9 spent fuel dry casks onto the DCPP ISFSI pad. This contributed to increases in station IS-3 through IS-7 exposures subsequent to that time frame. Since then, no additional casks have been added. As a result, 2022 exposures for all DCPP ISFSI environmental stations were consistent with those for the previous year.

The environmental TLD set at station 4C1 could not be exchanged for the fourth quarter of 2022 due to prolonged inclement weather that caused significant degradation to unpaved roads leading to that location. As a result, there are no fourth quarter results for 4C1 available to report at the time of this report. (SAPN 51184936)

9.2 Airborne Radioactivity

The 2022 mean percent availability for on-site and off-site particulate and iodine (P&I) air samplers was 99.7 percent. In other words, P&I air samplers were running 99.7 percent of the time. Less than 0.1 percent of run time could be attributed to equipment problems, filter exchanges, or calibration processes. If an individual air sample station's loss of run time exceeds 8 hours in a one-week period, a SAPN must be written to record the event per RCP EM-2.

There was one REMP air sampler loss of run time event in 2022. At station 8S1 for the week of 3/29/2022- 4/5/2022 the air sample holder detached from its quick disconnect fitting at an unknown point during the week. No P&I samples were submitted for 8S1 that week and a weekly run-time of 0 hours was recorded.

Actual 2022 percent availabilities for each station are as follows:

- 0S2 = 100 %
- 1S1 = 100 %
- 5F1 = 100 %
- 7D1 = 99.8 %
- 8S1 = 98.1 %
- 8S2 = 100 %
- MT1 = 100 %

GEL has monitored C-14 samples from various locations around the US. In some instances, a very slight negative bias has been observed in annual data sets. The bias was not enough to mask any true positive detection of C-14. GEL believes this bias may be the result of the sorbent picking up other chemical species in the field during the week-long collection. These chemical species (possibly SO2 or NO2) could cause some quenching effects in the liquid scintillation analysis and varies by site location. This chemical interference created a net effect where some

field cartridges were slightly lower in activity than laboratory blanks. The bias was less than the average two sigma method uncertainty and significantly less than the method average detection limit.

It should be noted that while all other air sample analyses are reported in units of pCi/m^3, C-14 lab data are reported in units of µCi/m3 within Section 19.

There was one missed C-14 sample in 2022. For the sample period of 8/3/22-8/10/22 there were not enough C-14 cartridges on hand to run a sample at 0S2. Only 5F1 and 8S1 C-14 air samplers were run for that week. An order of C-14 cartridges took nearly three months to receive due to supply chain issues. Only one sample was missed.

9.3 Marine Samples

DCM supplemental quarterly intertidal algae samples were unavailable during all of 2022. For quarters 2, 3, and 4 algae at nearby station POS was substituted as it was the closest alternative available. All remaining 2022 marine samples were collected as scheduled (including allowable variation).

In the past, the sampling of abalone was a supplemental sample to the REMP. The California Department of Fish and Game has since issued regulations prohibiting the collection of abalone along the central and southern coast of California. PG&E considers it unlikely that future collection of abalone will be allowed within the DCPP environs. The REMP has therefore ceased routine abalone sampling.

9.4 Terrestrial Samples

Supplemental Blanchard Sheep Meat (BSM) and Blanchard Goat Meat (BGM) were not available and were not provided by the rancher during all of 2022. Blanchard sheep and goats were not within 5 miles of the DCPP site in 2022. All other 2022 terrestrial samples were collected as scheduled (including allowable variation).

9.5 Surface Water, Drinking Water, and Groundwater

Shallow French drain DY1 quarterly sampling was removed from the ODCM in 2019 due to known collection of rain washout tritium coming from a monitored pathway that is already accounted for by the DCPP Radiological Effluent Controls Program. This is discussed in RIS2008-003. DY1, which is located inside the Radiological Controls Area, is pumped down annually to the DCPP Liquid Radwaste System after the rainy season and is sampled during pump down. The DY1 sample results are reported in Attachment 2- Gel Sample Results. Observation Well 02 (OW2) was dry and not collected during all four quarters of 2022. All remaining 2022 water samples were collected as scheduled (including allowable variation).

9.6 Replicate Samples

Replicate sampling is conducted within the REMP for program strength and quality. A replicate sample is an additional sample (same matrix type and station) taken independently from the original scheduled REMP sample. The replicate sample collection is performed by a different person and shipped to GEL to ensure independent analysis result correlation and method consistency.

Replicate samples were taken from:

- 5S2, Drinking water – 3/22/2022

- DW1, Drinking water – 5/23/2022
- 8S3, Groundwater – 9/30/2022
- WW2, Drinking water – 12/29/2022

The results of the replicate analyses were within expected correlation of routine sampling.

10 Other Supplemental Information

10.1 OSGSF Monitoring

An Old Steam Generator Storage Facility (OSGSF) long term storage vault was constructed within the DCPP site boundary in 2007 for storage of eight retired DCPP steam generators and two retired DCPP reactor heads. For reference, the following equipment was placed into the OSGSF on the following dates:

• 3/2/08 (outage 2R14), four DCPP Unit Two (U-2) Steam Generators

• 2/14/09 (outage 1R15), four DCPP Unit One (U-1) Steam Generators

• 11/6/09 (outage 2R15), one DCPP Unit Two (U-2) Reactor (Rx) Head

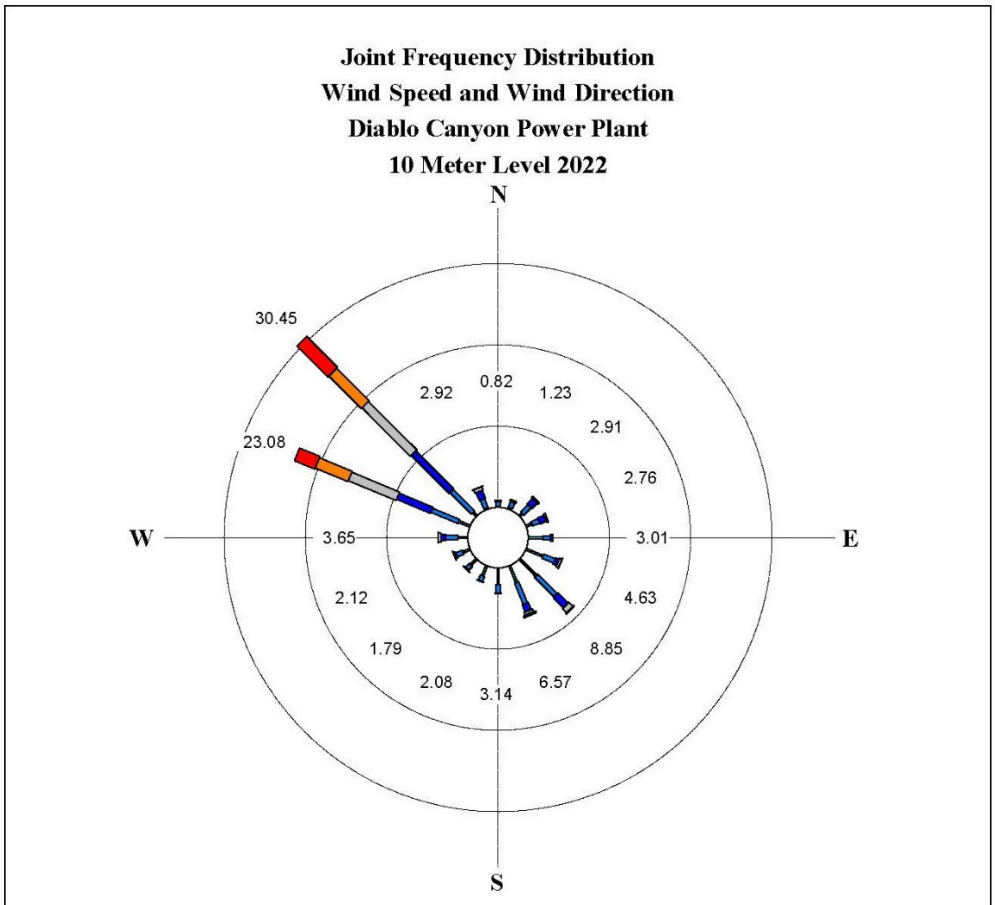
• 10/23/10 (outage 1R16), one DCPP Unit One (U-1) Rx Head

This OSGSF did not cause any changes to the ambient direct radiation levels within the DCPP environs during 2022. Rain intrusion into the OSGSF occasionally causes rainwater to concentrate in the OSGSF vault sumps. Previous evaluations of this scenario have identified that tritium could migrate into this sump water and therefore it should be sampled and disposed of via the plant's liquid radwaste system if isotopes are identified per plant procedure RCP EM-5. The OSGSF in-building sumps were inspected quarterly by REMP personnel. No water was observed in the OSGSF vaults in 2022.

Old Steam Generator Storage Facility

10.2 Wind Rose Charts

The following are wind rose charts as provided by the PG&E Meteorological Department. Wind roses are graphical charts that characterize the speed and direction of winds at a location. Presented in a circular format, the length of each "spoke" around the circle indicates the amount of time that the wind blows from a particular direction. Colors along the spokes indicate categories of wind speed.



PERCENT OCCURRENCE: Wind Speed (Miles Per Hour)
LOWER BOUND OF CATEGORY

DIR	0.1	3.5	6.9	11.5	18.4	24.2
N	0.11	0.52	0.17	0.01	0.00	0.00
NNE	0.24	0.78	0.21	0.00	0.00	0.00
NE	0.46	1.31	0.90	0.23	0.01	0.00
ENE	0.77	0.92	0.85	0.22	0.00	0.00
E	1.77	0.91	0.33	0.00	0.00	0.00
ESE	2.22	1.56	0.48	0.32	0.05	0.00
SE	2.91	3.39	1.78	0.68	0.10	0.00
SSE	2.24	2.79	0.95	0.33	0.10	0.15

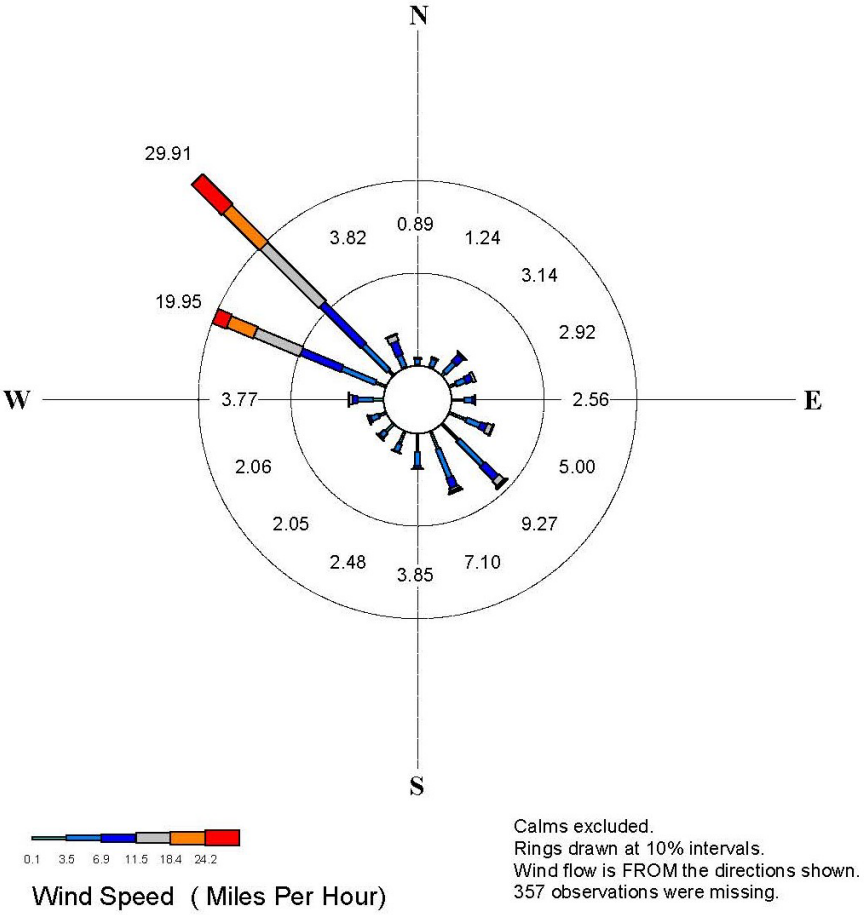
TOTAL OBS = 8707 MISSING OBS = 53

PERCENT OCCURRENCE: Wind Speed (Miles Per Hour)
LOWER BOUND OF CATEGORY

DIR	0.1	3.5	6.9	11.5	18.4	24.2
S	2.00	1.03	0.09	0.00	0.00	0.01
SSW	1.33	0.68	0.07	0.00	0.00	0.00
SW	1.07	0.60	0.10	0.02	0.00	0.00
WSW	0.95	0.88	0.24	0.05	0.00	0.00
W	1.21	1.53	0.57	0.31	0.03	0.00
WNW	1.54	3.59	4.50	6.39	4.36	2.70
NW	0.65	3.77	6.58	8.43	5.65	5.36
NNW	0.21	1.16	1.07	0.45	0.03	0.00

CALM OBS = 0

Figure 10: Wind rose charts 10-meter level 2022.



PERCENT OCCURRENCE: Wind Speed (Miles Per Hour)
LOWER BOUND OF CATEGORY

DIR	0.1	3.5	6.9	11.5	18.4	24.2
N	0.15	0.53	0.20	0.01	0.00	0.00
NNE	0.23	0.78	0.22	0.01	0.00	0.00
NE	0.47	1.48	0.99	0.19	0.02	0.00
ENE	0.80	1.05	0.73	0.34	0.01	0.00
E	1.36	0.81	0.32	0.07	0.00	0.00
ESE	2.00	1.59	0.66	0.62	0.12	0.00
SE	2.49	3.75	2.03	0.72	0.16	0.12
SSE	2.05	3.34	1.14	0.27	0.20	0.09

TOTAL OBS = 43467 MISSING OBS = 357

PERCENT OCCURRENCE: Wind Speed (Miles Per Hour)
LOWER BOUND OF CATEGORY

DIR	0.1	3.5	6.9	11.5	18.4	24.2
S	1.95	1.51	0.28	0.06	0.04	0.01
SSW	1.51	0.83	0.10	0.02	0.01	0.00
SW	1.15	0.71	0.17	0.02	0.00	0.00
WSW	0.90	0.83	0.24	0.08	0.00	0.00
W	1.15	1.65	0.55	0.32	0.07	0.04
WNW	1.23	3.92	4.73	5.40	3.08	1.58
NW	0.78	3.81	6.31	8.89	5.57	4.55
NNW	0.17	1.30	1.55	0.68	0.11	0.01

CALM OBS = 0

Figure 11: Wind rose chart 10-meter level 2018-2022.

11 References

1. NRC Radiological Assessment Branch Technical Position on Environmental Monitoring, Revision 1, November 1979
2. NUREG-1301 "Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Pressurized Water Reactors"
3. REG GUIDE 4.1 (Rev 1) "Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants"
4. REG GUIDE 4.15 (Rev 1) "Quality Assurance for Radiological Monitoring Programs (Normal Operations) – Effluent Streams and the Environment"
5. NRC Regulatory Issue Summary 2008-03, “Return/Re-use of Previously Discharged Radioactive Effluents”; February 13, 2008
6. ANSI/HPS N13.37-2014, "Environmental Dosimetry - Criteria for System Design and Implementation"
7. NEI 07-07, “Industry Groundwater Protection Initiative – Final Guidance Document, Rev 1”, March 2019
8. DCPP Program Directive, CY2, “Radiological Monitoring and Controls Program.”
9. DCPP Interdepartmental Administrative Procedure (IDAP), RP1.ID11, “Environmental Radiological Monitoring Procedure.”
10. DCPP Interdepartmental Administrative Procedure (IDAP), RP1.ID13, “DCPP Groundwater Protection Initiative Program.”
11. "Groundwater Gradient Analysis", by Entrix Corporation, March 2010
12. "Groundwater Gradient Analysis", by Cardno/Entrix Corporation, June 2012
13. "Diablo Canyon Power Plant Site Conceptual Model Report", by ERM July 30, 2014
14. “Diablo Canyon Power Plant 2021 Annual Radioactive Effluent Release Report” , PG&E Letter DCL-22-017

Attachment 1 – Data Table Summary

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Direct Radiation (mrem/std qtr)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection[A] (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean[B]	Range[B]	All Indicator Locations Mean[B]	Range[B]	All Control Locations Mean[B]	Range[B]	Number of Reportable Occurrences
Direct Radiation (mrem/std quarter)				See Table 2.2		2F2, 4D1, 5F1		
Env TLD Badges[C] (381)	6 mrem/qtr	None Detected (0 / 345)		None Detected (0 / 345)		None Detected (0 / 36)		0
		IS4, 0.3 mi, 65°		IS1 - IS8				
ISFSI TLDs[D] (96)	6 mrem/qtr	75.3	67.2 - 89.3 (12 / 12)	31.5	14.5 - 89.3 (60 / 96)	N/A		0

Table Notation:

(A) Sensitivity of TLD system using ANSI/HPS N13.37-2014 methodology

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed exposure above historical background and the TLD sensitivity.

(C) 96 Env TLD badges are distributed quarterly at 32 locations (29 indicator stations and 3 control stations). Each quarter there are 3 badges exposed per station.

(D) 24 ISFSI Env TLD badges distributed quarterly at 8 locations surrounding the ISFSI protected area and within the site boundary. Each quarter 3 badges exposed per station.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled: **Airborne**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection[A] (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean[B] Range[B]	All Indicator Locations Mean[B] Range[B]	All Control Locations Mean[B] Range[B]	Number of Reportable Occurrences
Iodine (363)					
I-131 (**pCi/m^3**)	0.07	None Detected (0/311)	None Detected (0/311)	None Detected (0/52)	0
Air Particulates (363)		7D1, 6.6 mi, 118°	0S2, 1S1, 7D1, 8S1, 8S2, MT1	5F1, 10.2 mi, 79°	
Gross Beta (**pCi/m^3**)	0.01	2.26E-2, 2.19E-3 - 6.99E-2 (52 / 52)	2.14E-2, 1.93E-3 - 8.29E-2 (310 / 311)	2.45E-2; 2.92E-3 - 7.92E-2 (52 / 52)	0
Gamma Isotopic[C] (28)			0S2, 1S1, 7D1, 8S1, 8S2, MT1	5F1	
Cs-134 (**pCi/m^3**)	0.05	None Detected (0/24)	None Detected (0/24)	None Detected (0/4)	0
Cs-137 (**pCi/m^3**)	0.06	None Detected (0/24)	None Detected (0/24)	None Detected (0/4)	0
Air Carbon-14 (155)			8S1, 0S2	5F1	
Carbon-14 (**µCi/m^3**)	1.00E-06	None Detected (0/103)	None Detected (0/103)	None Detected (0/52)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

(C) These gamma isotopic samples are quarterly composite samples of all weekly particulate air sample filters. Approximately 13 particulate filters for each REMP location. Plant related radionuclides, not naturally occurring isotopes.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Surface Water (pCi/ Liter)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Location with Highest Annual Mean		All Indicator Locations Mean (B), Range (B)	All Control Locations Mean (B), Range (B)	Number of Reportable Occurrences
		Name, Distance, and Direction	Mean(B), Range(B)			
Gamma Isotopic (36)				DCM, OUT	7C2, 4.7 mi, 124°	
Mn-54	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Fe-59	30	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Co-58	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Co-60	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Zn-65	30	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Zr-95	30	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Nb-95	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
I-131	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Cs-134	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Cs-137	18	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Ba-140	60	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
La 140	15	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Additional Analysis (36)						
Gross Beta	100	DCM, 0.27 mi, 249°	290, 183-391 (11 / 12)	290, 182-622 (23 / 24)	346, 157-779 (12 / 12)	0
Fe-55	200	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Ni-63	50	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0
Tritium H-3	400	DCM, 0.27 mi, 249°	682 (1 / 12)	682 (1 / 24)	none detected (0 / 12)	0
Total Sr 89/90	10	none detected (0 / 24)		none detected (0 / 24)	none detected (0 / 12)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Drinking Water (pCi/ Liter)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Location with Highest Annual Mean		All Indicator Locations Mean (B), Range (B)	All Control Locations Mean (B), Range (B)	Number of Reportable Occurrences
		Name, Distance, and Direction	Mean(B), Range(B)			
Gamma Isotopic (48)				1A2, 5S2, DW1, WN2	OEL, 10.2 mi, 79°	
Mn-54	15	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Fe-59	30	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Co-58	15	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Co-60	15	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Zn-65	30	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Zr-95	30	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Nb-95	15	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
I-131	1	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Cs-134	15	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Cs-137	18	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Ba-140	60	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
La 140	15	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Additional Analysis (48)				1A2, 5S2, DW1, WN2	OEL, 10.2 mi, 79°	
Gross Beta	4	5S2, 0.6 mi, 65°	4.46, 2.02-12.7 (7/15)	3.60, 1.31-12.7 (15 / 36)	2.21, 1.36- 3.04 (4 / 12)	0
Fe-55	200	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Ni-63	50	DW1, 0.37 mi, 161°	44.09 (1/13)	44.09 (1 / 36)	none detected (0 / 12)	0
Tritium H-3	400	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0
Total Sr 89/90	2	none detected (0 / 36)		none detected (0 / 36)	none detected (0 / 12)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Mussels (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection[A] (LLD)	Highest Annual Mean Name, Distance, and Direction Mean[B] Range[B]	All Indicator Locations Mean[B] Range[B]	All Control Locations Mean[B] Range[B]	Number of Reportable Occurrences
Gamma Isotopic (12)			DCM, PON, POS	7C2, 4.7 mi, 124°	
Mn-54	130	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Fe-59	260	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Co-58	130	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Co-60	130	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Zn-65	260	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Zr-95		none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Nb-95		none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
I-131		none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Cs-134	130	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Cs-137	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
Ba-140		none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0
La-140		none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 4)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Fish (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean(B) Range(B)	All Indicator Locations Mean (B) Range (B)	All Control Locations Mean (B) Range (B)	Number of Reportable Occurrences
Gamma Isotopic (36)		PON, 0.35 mi, 287°	DCM, PON, POS	7C2, 2F1, 7D3	
Mn-54	130	none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Fe-59	260	none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Co-58	130	none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Co-60	130	none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Zn-65	260	none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Zr-95		none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Nb-95		none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
I-131		none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Cs-134	130	none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
Cs-137	150	14.12, 5.62-22.62 (2 / 8)	12.01, 5.62-22.62 (3 / 24)	13.11, 12.54-13.46 (3 / 8)	0
Ba-140		none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0
La-140		none detected (0 / 24)	none detected (0 / 24)	none detected (0 / 12)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Algae* (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean(B) Range(B)	Indicator Locations Mean(B) Range(B)	All Control Locations Mean(B) Range(B)	Number of Reportable Occurrences
Gamma Isotopic (4)			POS, 0.44 miles, 176°	7C2, 4.7 miles, 124°	
Mn-54		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Fe-59		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Co-58	80	none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Co-60	80	none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Zn-65		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Zr-95		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Nb-95		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
I-131		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Cs-134	60	none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Cs-137	80	none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
Ba-140		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0
La-140		none detected (0 / 3)	none detected (0 / 3)	none detected (0 / 4)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g., (10/12) means 10 samples out of 12 collected showed activity.

* These samples are supplemental samples.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Kelp* (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean(B) Range(B)	All Indicator Locations Mean(B) Range(B)	All Control Locations Mean(B) Range(B)	Number of Reportable Occurrences
Gamma Isotopic (16)			DCM, PON, POS	7C2, 4.7 mi, 124°	
Mn-54		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Fe-59		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Co-58	80	none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Co-60	80	none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Zn-65		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Zr-95		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Nb-95		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
I-131		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Cs-134	60	none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Cs-137	80	none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
Ba-140		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0
La-140		none detected (0 / 12)	none detected (0 / 12)	none detected (0 / 4)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

* These samples are supplemental samples.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Vegetative Crops (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection[A] (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean[B] Range[B]	All Indicator Locations Mean[B] Range[B]	All Control Locations Mean[B] Range[B]	Number of Reportable Occurrences
Gamma Isotopic (52)			3C1, 5F2, 6C1, 7C1, 7E1	7G1, 16.8 mi, 115°	
Mn-54		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Fe-59		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Co-58		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Co-60		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Zn-65		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Zr-95		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Nb-95		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
I-131	60	None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Cs-134	60	None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Cs-137	80	None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
Ba-140		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0
La-140		None Detected (0 / 40)	None Detected (0 / 40)	None Detected (0 / 12)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Milk (pCi/ L)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean(B) Range(B)	Indicator Locations Mean(B) Range(B)	All Control Locations Mean(B) Range(B)	Number of Reportable Occurrences
Iodine extraction (12)				5F2, 12.6 mi, 60°	
I-131	1	Not Applicable	Not Applicable	None Detected (0 / 12)	0
Gamma Isotopic (14)					
Mn-54		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Fe-59		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Co-58		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Co-60		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Zn-65		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Zr-95		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Nb-95		Not Applicable	Not Applicable	None Detected (0 / 12)	0
Cs-134	15	Not Applicable	Not Applicable	None Detected (0 / 12)	0
Cs-137	18	Not Applicable	Not Applicable	None Detected (0 / 12)	0
Ba-140	60	Not Applicable	Not Applicable	None Detected (0 / 12)	0
La-140	15	Not Applicable	Not Applicable	None Detected (0 / 12)	0
Total Sr 89/90 (12)	2	Not Applicable	Not Applicable	None Detected (0 / 12)	0

Table Notation:

(A) One sample did not meet LLD requirements for I-131. See section 7.3.1.

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Meat (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean(B) Range(B)	All Indicator Locations Mean(B) Range(B)	All Control Locations Mean(B) Range(B)	Number of Reportable Occurrences
Gamma Isotopic (8)			BCM, 1.5 mi, 331°	CCM, 37 mi, 328°	
Mn-54		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Fe-59		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Co-58		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Co-60		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Zn-65		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Zr-95		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Nb-95		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
I-131	60	none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Cs-134	60	none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Cs-137	80	none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Ba-140		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
La-140		none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0
Total Sr 89/90 (8)	500	none detected (0 / 4)	none detected (0 / 4)	none detected (0 / 4)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis, e.g. (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Ocean Sediment (pCi/ kg)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean(B) Range(B)	Indicator Locations Mean (B) Range (B)	Control Locations Mean (B) Range (B)	Number of Reportable Occurrences
Gamma Isotopic (2)			DCM, 0.27 mi, 249°	7C2, 4.7 mi, 124°	
Mn-54	150	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Fe-59	300	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Co-58	150	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Co-60	150	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Zn-65	300	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Zr-95	300	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Nb-95	150	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
I-131		none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Cs-134	150	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Cs-137	180	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Ba-140	600	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
La-140	150	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Fe-55 (2)	20,000	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Ni-63 (2)	4,000	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0
Total Sr 89/90 (2)	2,000	none detected (0 / 1)	none detected (0 / 1)	none detected (0 / 1)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Beach Sand (pCi/ kg dry)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection[A] (LLD)	Indicator with Highest Annual Mean Name, Distance, and Direction Mean[B] Range[B]	All Indicator Locations Mean[B] Range[B]	All Control Locations Mean[B] Range[B]	Number of Reportable Occurrences
Gamma Isotopic (10)		CYA, 16.7 mi, 350°	AVA, MDO, PMO, CYA	CBA, 28.5 mi, 330°	
Mn-54	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Fe-59	300	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Co-58	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Co-60	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Zn-65	300	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Zr-95	300	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Nb-95	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
I-131		none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Cs-134	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Cs-137	180	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Ba-140	600	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
La-140	150	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Fe-55 (10)	20,000	55820 (1 / 8)	55820 (1 / 8)	none detected (0 / 2)	0
Ni-63 (10)	4,000	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0
Total Sr 89/90 (10)	2,000	none detected (0 / 8)	none detected (0 / 8)	none detected (0 / 2)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Groundwater (pCi/ L)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Location with Highest Annual Mean		All Indicator Locations Mean (B), Range (B)	All Control Locations Mean (B), Range (B)	Number of Reportable Occurrences
		Name, Distance, and Direction	Mean(B), Range(B)			
Gamma Isotopic (11)				8S3, 0.4 mi, 140°	WW2, 0.63 mi, 70°	
Mn-54	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Fe-59	30	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Co-58	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Co-60	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Zn-65	30	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Zr-95	30	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Nb-95	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
I-131	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Cs-134	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Cs-137	18	8S3, 0.4 mi, 140°	5.29 (1 / 6)	5.29 (1 / 6)	none detected (0 / 5)	0
Ba-140	60	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
La 140	15	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Additional Analysis (11)						
Gross Beta	4	8S3, 0.4 mi, 140°	188.14, 6.33-855 (5 / 6)	188.14, 6.33-855 (5 / 6)	5.77, 3.10-8.24 (5 / 5)	0
Fe-55	200	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Ni-63	50	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Tritium H-3	400	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0
Total Sr 89/90	2	none detected (0 / 6)		none detected (0 / 6)	none detected (0 / 5)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 1

Name of Facility: Diablo Canyon Power Plant

Location: San Luis Obispo County, California

Medium or Pathway Sampled (Unit of Measure): **Monitoring Wells (pCi/ L)**

Report Period: 1/1/22 - 12/31/22

Type and Total Number of Analyses Performed	Lower Limit of Detection(A) (LLD)	Location with Highest Annual Mean		All Indicator Locations Mean (B), Range (B)	All Control Locations Mean (B), Range (B)	Number of Reportable Occurrences
		Name, Distance, and Direction	Mean(B), Range(B)			
Gamma Isotopic (17)				GW1, GW2, OW1, OW2	WW2, 0.63 mi, 70°	
Mn-54	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Fe-59	30	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Co-58	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Co-60	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Zn-65	30	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Zr-95	30	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Nb-95	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
I-131	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Cs-134	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Cs-137	18	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Ba-140	60	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
La 140	15	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Additional Analysis (17)						
Gross Beta	4	GW1, 0.9 mi, 271°	12.79 (1 / 4)	11.13, 9.89- 13.21 (6 / 12)	5.42, 3.35- 6.02 (5 / 5)	0
Fe-55	200	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Ni-63	50	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Total Sr 89/90	2	none detected (0 / 12)		none detected (0 / 12)	none detected (0 / 5)	0
Tritium H-3	400	OW1, 0.046 mi, 336°	366, 278 - 435 (4 / 4)	612, 480-887 (4/12)	none detected (0 / 5)	0

Table Notation:

(A) Unless specified, all required LLDs were met in accordance with Table 2.3

(B) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parenthesis e.g. , (10/12) means 10 samples out of 12 collected showed activity.

Attachment 2 - GEL Sample Results

The following section contains the sampling results as provided by GEL Laboratories, LLC.

Attachment 2 - GEL Sample Results

2022 DCPP REMP Analysis Results

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
0S2 North Gate - Air Cartridge						
0S2 North Gate(566170001) - AC	1-Jan-22	Iodine-131	-9.74E-04	1.09E-02	6.67E-03	pCi/m3
0S2 North Gate(566823001) - AC	8-Jan-22	Iodine-131	-5.40E-03	7.48E-03	6.18E-03	pCi/m3
0S2 North Gate(567644001) - AC	15-Jan-22	Iodine-131	5.44E-03	1.50E-02	8.05E-03	pCi/m3
0S2 North Gate(568227001) - AC	22-Jan-22	Iodine-131	2.08E-03	1.16E-02	6.64E-03	pCi/m3
0S2 North Gate(568938001) - AC	29-Jan-22	Iodine-131	2.17E-03	9.02E-03	4.95E-03	pCi/m3
0S2 North Gate(569539001) - AC	6-Feb-22	Iodine-131	1.03E-03	8.51E-03	4.83E-03	pCi/m3
0S2 North Gate(570262001) - AC	12-Feb-22	Iodine-131	-1.03E-03	8.61E-03	5.25E-03	pCi/m3
0S2 North Gate(571004001) - AC	19-Feb-22	Iodine-131	-1.06E-03	7.46E-03	5.11E-03	pCi/m3
0S2 North Gate(571634001) - AC	26-Feb-22	Iodine-131	2.62E-03	7.87E-03	4.39E-03	pCi/m3
0S2 North Gate(572314001) - AC	5-Mar-22	Iodine-131	-5.67E-03	1.05E-02	7.57E-03	pCi/m3
0S2 North Gate(573048001) - AC	12-Mar-22	Iodine-131	1.56E-03	9.83E-03	5.85E-03	pCi/m3
0S2 North Gate(573818001) - AC	19-Mar-22	Iodine-131	4.20E-03	1.27E-02	6.96E-03	pCi/m3
0S2 North Gate(574546001) - AC	26-Mar-22	Iodine-131	2.93E-03	1.24E-02	6.83E-03	pCi/m3
0S2 North Gate(575139001) - AC	2-Apr-22	Iodine-131	-1.97E-03	1.07E-02	6.54E-03	pCi/m3
0S2 North Gate(576098001) - AC	9-Apr-22	Iodine-131	6.45E-04	6.77E-03	3.81E-03	pCi/m3
0S2 North Gate(576843001) - AC	17-Apr-22	Iodine-131	3.65E-03	1.20E-02	6.72E-03	pCi/m3
0S2 North Gate(577602001) - AC	23-Apr-22	Iodine-131	4.94E-03	9.71E-03	5.61E-03	pCi/m3
0S2 North Gate(578404001) - AC	1-May-22	Iodine-131	-1.77E-03	5.51E-03	3.64E-03	pCi/m3
0S2 North Gate(579259001) - AC	7-May-22	Iodine-131	-8.01E-03	1.42E-02	1.04E-02	pCi/m3
0S2 North Gate(580040001) - AC	14-May-22	Iodine-131	-3.21E-03	1.21E-02	7.64E-03	pCi/m3
0S2 North Gate(580687001) - AC	21-May-22	Iodine-131	1.92E-03	8.16E-03	4.85E-03	pCi/m3
0S2 North Gate(581376001) - AC	28-May-22	Iodine-131	-1.12E-02	1.01E-02	9.89E-03	pCi/m3
0S2 North Gate(581941001) - AC	4-Jun-22	Iodine-131	-3.77E-03	9.77E-03	6.75E-03	pCi/m3
0S2 North Gate(582794013) - AC	11-Jun-22	Iodine-131	3.53E-03	1.04E-02	5.71E-03	pCi/m3
0S2 North Gate(583529001) - AC	18-Jun-22	Iodine-131	-8.35E-03	1.36E-02	1.05E-02	pCi/m3
0S2 North Gate(584143001) - AC	25-Jun-22	Iodine-131	-2.71E-03	1.17E-02	8.14E-03	pCi/m3
0S2 North Gate(584817001) - AC	2-Jul-22	Iodine-131	-6.21E-04	1.50E-02	9.04E-03	pCi/m3
0S2 North Gate(585549001) - AC	9-Jul-22	Iodine-131	2.02E-03	1.95E-02	1.09E-02	pCi/m3
0S2 North Gate(586338013) - AC	16-Jul-22	Iodine-131	-6.77E-04	1.21E-02	7.04E-03	pCi/m3
0S2 North Gate(587150017) - AC	23-Jul-22	Iodine-131	1.25E-03	1.66E-02	9.41E-03	pCi/m3
0S2 North Gate(587893017) - AC	30-Jul-22	Iodine-131	1.03E-03	1.23E-02	7.00E-03	pCi/m3
0S2 North Gate(588815001) - AC	6-Aug-22	Iodine-131	-5.35E-03	1.36E-02	9.59E-03	pCi/m3
0S2 North Gate(589626001) - AC	13-Aug-22	Iodine-131	3.25E-03	1.05E-02	5.74E-03	pCi/m3
0S2 North Gate(590530001) - AC	21-Aug-22	Iodine-131	-7.02E-04	1.57E-02	9.71E-03	pCi/m3
0S2 North Gate(591268001) - AC	28-Aug-22	Iodine-131	2.55E-03	1.58E-02	8.94E-03	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
0S2 North Gate(592024001) - AC	3-Sep-22	Iodine-131	-2.19E-03	7.19E-03	5.42E-03	pCi/m3
0S2 North Gate(592703001) - AC	10-Sep-22	Iodine-131	-2.01E-03	1.65E-02	1.04E-02	pCi/m3
0S2 North Gate(593600001) - AC	17-Sep-22	Iodine-131	5.89E-03	1.42E-02	8.41E-03	pCi/m3
0S2 North Gate(594424001) - AC	25-Sep-22	Iodine-131	-4.91E-03	1.12E-02	7.98E-03	pCi/m3
0S2 North Gate(594985001) - AC	1-Oct-22	Iodine-131	-5.08E-03	1.56E-02	1.03E-02	pCi/m3
0S2 North Gate(596161001) - AC	8-Oct-22	Iodine-131	-2.19E-03	2.58E-02	1.55E-02	pCi/m3
0S2 North Gate(597071001) - AC	15-Oct-22	Iodine-131	2.38E-03	1.34E-02	7.63E-03	pCi/m3
0S2 North Gate(597930001) - AC	22-Oct-22	Iodine-131	4.31E-03	2.43E-02	1.38E-02	pCi/m3
0S2 North Gate(598809001) - AC	29-Oct-22	Iodine-131	-1.72E-03	1.30E-02	8.81E-03	pCi/m3
0S2 North Gate(599710001) - AC	5-Nov-22	Iodine-131	-1.27E-03	8.85E-03	5.32E-03	pCi/m3
0S2 North Gate(600682001) - AC	12-Nov-22	Iodine-131	4.18E-03	2.28E-02	1.26E-02	pCi/m3
0S2 North Gate(601451001) - AC	19-Nov-22	Iodine-131	3.40E-03	1.47E-02	7.92E-03	pCi/m3
0S2 North Gate(602126001) - AC	26-Nov-22	Iodine-131	-3.07E-03	1.09E-02	7.35E-03	pCi/m3
0S2 North Gate(602817001) - AC	4-Dec-22	Iodine-131	-1.74E-03	1.14E-02	7.02E-03	pCi/m3
0S2 North Gate(603772015) - AC	12-Dec-22	Iodine-131	7.32E-03	2.31E-02	1.26E-02	pCi/m3
0S2 North Gate(604614001) - AC	19-Dec-22	Iodine-131	4.52E-03	2.47E-02	1.40E-02	pCi/m3
0S2 North Gate(605326001) - AC	26-Dec-22	Iodine-131	2.34E-04	1.67E-02	9.60E-03	pCi/m3

0S2 North Gate - Air Carbon-14

0S2 North Gate(566170003) - AC14	1-Jan-22	Carbon-14	6.96E-09	3.69E-07	2.20E-07	uCi/m3
0S2 North Gate(566823003) - AC14	8-Jan-22	Carbon-14	-1.14E-07	2.57E-07	1.50E-07	uCi/m3
0S2 North Gate(567644003) - AC14	15-Jan-22	Carbon-14	5.86E-08	2.67E-07	1.61E-07	uCi/m3
0S2 North Gate(568227003) - AC14	22-Jan-22	Carbon-14	3.89E-08	2.57E-07	1.54E-07	uCi/m3
0S2 North Gate(568938003) - AC14	29-Jan-22	Carbon-14	-7.00E-08	3.44E-07	2.03E-07	uCi/m3
0S2 North Gate(569539003) - AC14	6-Feb-22	Carbon-14	-1.08E-07	3.10E-07	1.82E-07	uCi/m3
0S2 North Gate(570262003) - AC14	12-Feb-22	Carbon-14	-3.48E-08	2.85E-07	1.69E-07	uCi/m3
0S2 North Gate(571004003) - AC14	19-Feb-22	Carbon-14	-7.08E-08	2.85E-07	1.67E-07	uCi/m3
0S2 North Gate(571634003) - AC14	26-Feb-22	Carbon-14	-3.79E-09	2.83E-07	1.68E-07	uCi/m3
0S2 North Gate(572314003) - AC14	5-Mar-22	Carbon-14	4.83E-08	2.60E-07	1.57E-07	uCi/m3
0S2 North Gate(573048003) - AC14	12-Mar-22	Carbon-14	5.05E-08	2.70E-07	1.62E-07	uCi/m3
0S2 North Gate(573818003) - AC14	19-Mar-22	Carbon-14	1.54E-07	3.00E-07	1.84E-07	uCi/m3
0S2 North Gate(574546003) - AC14	26-Mar-22	Carbon-14	-2.03E-07	3.40E-07	1.96E-07	uCi/m3
0S2 North Gate(575139003) - AC14	2-Apr-22	Carbon-14	1.06E-08	2.90E-07	1.73E-07	uCi/m3
0S2 North Gate(576098003) - AC14	9-Apr-22	Carbon-14	-1.14E-07	2.62E-07	1.53E-07	uCi/m3
0S2 North Gate(576843003) - AC14	17-Apr-22	Carbon-14	-5.99E-08	3.01E-07	1.77E-07	uCi/m3
0S2 North Gate(577602003) - AC14	23-Apr-22	Carbon-14	-1.70E-07	3.21E-07	1.87E-07	uCi/m3
0S2 North Gate(578404003) - AC14	1-May-22	Carbon-14	-2.94E-07	3.29E-07	1.90E-07	uCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
0S2 North Gate(579259003) - AC14	7-May-22	Carbon-14	-5.30E-08	3.68E-07	2.17E-07	uCi/m3
0S2 North Gate(580040003) - AC14	14-May-22	Carbon-14	1.37E-07	3.60E-07	2.20E-07	uCi/m3
0S2 North Gate(580687003) - AC14	21-May-22	Carbon-14	-5.88E-09	3.24E-07	1.93E-07	uCi/m3
0S2 North Gate(581376003) - AC14	28-May-22	Carbon-14	-1.01E-07	3.38E-07	1.98E-07	uCi/m3
0S2 North Gate(581941003) - AC14	4-Jun-22	Carbon-14	-1.12E-07	2.83E-07	1.65E-07	uCi/m3
0S2 North Gate(582794017) - AC14	11-Jun-22	Carbon-14	-8.01E-08	2.85E-07	1.67E-07	uCi/m3
0S2 North Gate(583529003) - AC14	18-Jun-22	Carbon-14	-9.63E-08	3.64E-07	2.14E-07	uCi/m3
0S2 North Gate(584143003) - AC14	25-Jun-22	Carbon-14	4.86E-08	2.85E-07	1.71E-07	uCi/m3
0S2 North Gate(584817003) - AC14	2-Jul-22	Carbon-14	-1.48E-07	4.40E-07	2.56E-07	uCi/m3
0S2 North Gate(585549003) - AC14	9-Jul-22	Carbon-14	-2.60E-07	4.45E-07	2.55E-07	uCi/m3
0S2 North Gate(586338019) - AC14	16-Jul-22	Carbon-14	-1.57E-07	4.30E-07	2.50E-07	uCi/m3
0S2 North Gate(587150019) - AC14	23-Jul-22	Carbon-14	-1.23E-07	4.71E-07	2.76E-07	uCi/m3
0S2 North Gate(587893019) - AC14	30-Jul-22	Carbon-14	-2.90E-10	3.81E-07	2.27E-07	uCi/m3
0S2 North Gate(589626003) - AC14	13-Aug-22	Carbon-14	1.61E-07	4.74E-07	2.87E-07	uCi/m3
0S2 North Gate(590530003) - AC14	21-Aug-22	Carbon-14	1.08E-07	4.83E-07	2.91E-07	uCi/m3
0S2 North Gate(591268003) - AC14	28-Aug-22	Carbon-14	-2.43E-07	5.07E-07	2.94E-07	uCi/m3
0S2 North Gate(592024003) - AC14	3-Sep-22	Carbon-14	-8.64E-08	4.73E-07	2.79E-07	uCi/m3
0S2 North Gate(592703003) - AC14	10-Sep-22	Carbon-14	-3.33E-07	4.22E-07	2.37E-07	uCi/m3
0S2 North Gate(593600003) - AC14	17-Sep-22	Carbon-14	-1.86E-07	4.58E-07	2.67E-07	uCi/m3
0S2 North Gate(594424003) - AC14	25-Sep-22	Carbon-14	-1.38E-07	4.44E-07	2.60E-07	uCi/m3
0S2 North Gate(594985003) - AC14	1-Oct-22	Carbon-14	-1.94E-07	4.55E-07	2.65E-07	uCi/m3
0S2 North Gate(596161003) - AC14	8-Oct-22	Carbon-14	4.70E-08	3.33E-07	1.99E-07	uCi/m3
0S2 North Gate(597071003) - AC14	15-Oct-22	Carbon-14	-4.61E-08	4.14E-07	2.45E-07	uCi/m3
0S2 North Gate(597930003) - AC14	22-Oct-22	Carbon-14	-1.72E-07	3.72E-07	2.18E-07	uCi/m3
0S2 North Gate(598809003) - AC14	29-Oct-22	Carbon-14	-8.56E-08	2.76E-07	1.63E-07	uCi/m3
0S2 North Gate(599710003) - AC14	5-Nov-22	Carbon-14	-7.11E-08	4.37E-07	2.58E-07	uCi/m3
0S2 North Gate(600682003) - AC14	12-Nov-22	Carbon-14	1.75E-07	3.47E-07	2.10E-07	uCi/m3
0S2 North Gate(601451003) - AC14	19-Nov-22	Carbon-14	-1.58E-07	5.68E-07	3.33E-07	uCi/m3
0S2 North Gate(602126003) - AC14	26-Nov-22	Carbon-14	-5.20E-08	4.08E-07	2.41E-07	uCi/m3
0S2 North Gate(602817003) - AC14	4-Dec-22	Carbon-14	-2.12E-07	4.01E-07	2.32E-07	uCi/m3
0S2 North Gate(603772019) - AC14	12-Dec-22	Carbon-14	2.52E-08	4.42E-07	2.64E-07	uCi/m3
0S2 North Gate(604614003) - AC14	19-Dec-22	Carbon-14	-4.90E-08	4.65E-07	2.75E-07	uCi/m3
0S2 North Gate(605326003) - AC14	26-Dec-22	Carbon-14	-9.37E-08	4.36E-07	2.57E-07	uCi/m3
0S2 North Gate - Air Particulate						
0S2 North Gate(566170002) - AP	1-Jan-22	BETA	1.78E-02	2.34E-03	1.21E-02	pCi/m3
0S2 North Gate(566823002) - AP	8-Jan-22	BETA	2.51E-02	1.91E-03	9.68E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
0S2 North Gate(567644002) - AP	15-Jan-22	BETA	5.55E-02	2.16E-03	1.28E-02	pCi/m3
0S2 North Gate(568227002) - AP	22-Jan-22	BETA	6.16E-02	2.06E-03	1.24E-02	pCi/m3
0S2 North Gate(568938002) - AP	29-Jan-22	BETA	8.29E-02	2.23E-03	1.26E-02	pCi/m3
0S2 North Gate(569539002) - AP	6-Feb-22	BETA	4.84E-02	2.18E-03	1.20E-02	pCi/m3
0S2 North Gate(570262002) - AP	12-Feb-22	BETA	4.33E-02	2.39E-03	1.15E-02	pCi/m3
0S2 North Gate(571004002) - AP	19-Feb-22	BETA	1.93E-02	1.85E-03	1.06E-02	pCi/m3
0S2 North Gate(571634002) - AP	26-Feb-22	BETA	4.15E-02	2.35E-03	1.16E-02	pCi/m3
0S2 North Gate(572314002) - AP	5-Mar-22	BETA	2.57E-02	1.87E-03	1.08E-02	pCi/m3
0S2 North Gate(573048002) - AP	12-Mar-22	BETA	2.06E-02	2.02E-03	1.16E-02	pCi/m3
0S2 North Gate(573818002) - AP	19-Mar-22	BETA	1.47E-02	1.98E-03	1.01E-02	pCi/m3
0S2 North Gate(574546002) - AP	26-Mar-22	BETA	1.40E-02	2.31E-03	1.16E-02	pCi/m3
0S2 North Gate(575139002) - AP	2-Apr-22	BETA	1.48E-02	2.57E-03	1.38E-02	pCi/m3
0S2 North Gate(576098002) - AP	9-Apr-22	BETA	2.62E-02	1.72E-03	9.55E-03	pCi/m3
0S2 North Gate(576843002) - AP	17-Apr-22	BETA	1.49E-02	2.20E-03	1.27E-02	pCi/m3
0S2 North Gate(577602002) - AP	23-Apr-22	BETA	1.19E-02	2.13E-03	1.21E-02	pCi/m3
0S2 North Gate(578404002) - AP	1-May-22	BETA	1.00E-02	2.09E-03	1.18E-02	pCi/m3
0S2 North Gate(579259002) - AP	7-May-22	BETA	6.52E-03	2.10E-03	1.22E-02	pCi/m3
0S2 North Gate(580040002) - AP	14-May-22	BETA	7.18E-03	2.06E-03	1.19E-02	pCi/m3
0S2 North Gate(580687002) - AP	21-May-22	BETA	1.31E-02	2.19E-03	1.24E-02	pCi/m3
0S2 North Gate(581376002) - AP	28-May-22	BETA	1.44E-02	2.16E-03	1.09E-02	pCi/m3
0S2 North Gate(581941002) - AP	4-Jun-22	BETA	9.67E-03	1.59E-03	7.38E-03	pCi/m3
0S2 North Gate(582794014) - AP	11-Jun-22	BETA	7.21E-03	1.67E-03	7.65E-03	pCi/m3
0S2 North Gate(583529002) - AP	18-Jun-22	BETA	5.34E-03	1.89E-03	8.47E-03	pCi/m3
0S2 North Gate(584143002) - AP	25-Jun-22	BETA	4.10E-03	1.64E-03	8.51E-03	pCi/m3
0S2 North Gate(584817002) - AP	2-Jul-22	BETA	3.68E-03	1.57E-03	9.32E-03	pCi/m3
0S2 North Gate(585549002) - AP	9-Jul-22	BETA	2.98E-03	1.69E-03	9.52E-03	pCi/m3
0S2 North Gate(586338014) - AP	16-Jul-22	BETA	6.10E-03	1.63E-03	8.09E-03	pCi/m3
0S2 North Gate(587150018) - AP	23-Jul-22	BETA	5.53E-03	1.58E-03	8.01E-03	pCi/m3
0S2 North Gate(587893018) - AP	30-Jul-22	BETA	5.51E-03	1.60E-03	8.51E-03	pCi/m3
0S2 North Gate(588815002) - AP	6-Aug-22	BETA	7.43E-03	1.62E-03	8.46E-03	pCi/m3
0S2 North Gate(589626002) - AP	13-Aug-22	BETA	6.69E-03	1.93E-03	8.70E-03	pCi/m3
0S2 North Gate(590530002) - AP	21-Aug-22	BETA	4.57E-03	1.61E-03	9.25E-03	pCi/m3
0S2 North Gate(591268002) - AP	28-Aug-22	BETA	5.89E-03	1.92E-03	8.34E-03	pCi/m3
0S2 North Gate(592024002) - AP	3-Sep-22	BETA	1.72E-02	1.70E-03	9.05E-03	pCi/m3
0S2 North Gate(592703002) - AP	10-Sep-22	BETA	1.38E-02	1.67E-03	9.15E-03	pCi/m3
0S2 North Gate(593600002) - AP	17-Sep-22	BETA	9.94E-03	1.59E-03	9.05E-03	pCi/m3
0S2 North Gate(594424002) - AP	25-Sep-22	BETA	2.37E-02	1.79E-03	9.10E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
0S2 North Gate(594985002) - AP	1-Oct-22	BETA	1.93E-02	1.64E-03	9.35E-03	pCi/m3
0S2 North Gate(596161002) - AP	8-Oct-22	BETA	1.71E-02	1.60E-03	8.93E-03	pCi/m3
0S2 North Gate(597071002) - AP	15-Oct-22	BETA	3.38E-02	1.75E-03	8.73E-03	pCi/m3
0S2 North Gate(597930002) - AP	22-Oct-22	BETA	3.56E-02	1.89E-03	1.05E-02	pCi/m3
0S2 North Gate(598809002) - AP	29-Oct-22	BETA	2.31E-02	1.39E-03	7.70E-03	pCi/m3
0S2 North Gate(599710002) - AP	5-Nov-22	BETA	8.85E-03	1.61E-03	9.18E-03	pCi/m3
0S2 North Gate(600682002) - AP	12-Nov-22	BETA	2.28E-02	1.65E-03	9.02E-03	pCi/m3
0S2 North Gate(601451002) - AP	19-Nov-22	BETA	6.47E-02	1.83E-03	1.08E-02	pCi/m3
0S2 North Gate(602126002) - AP	26-Nov-22	BETA	4.63E-02	1.39E-03	8.46E-03	pCi/m3
0S2 North Gate(602817002) - AP	4-Dec-22	BETA	9.14E-03	1.44E-03	8.13E-03	pCi/m3
0S2 North Gate(603772016) - AP	12-Dec-22	BETA	1.03E-02	1.59E-03	8.82E-03	pCi/m3
0S2 North Gate(604614002) - AP	19-Dec-22	BETA	5.43E-02	1.68E-03	9.57E-03	pCi/m3
0S2 North Gate(605326002) - AP	26-Dec-22	BETA	2.55E-02	1.60E-03	8.98E-03	pCi/m3
0S2 North Gate(576874001) - AP	12-Feb-22	Cesium-134	-5.95E-05	6.89E-04	4.34E-04	pCi/m3
0S2 North Gate(586704001) - AP	14-May-22	Cesium-134	-3.43E-05	3.52E-04	2.27E-04	pCi/m3
0S2 North Gate(599942001) - AP	13-Aug-22	Cesium-134	5.18E-05	3.75E-04	2.09E-04	pCi/m3
0S2 North Gate(609523001) - AP	13-Nov-22	Cesium-134	6.96E-05	5.07E-04	3.04E-04	pCi/m3
0S2 North Gate(576874001) - AP	12-Feb-22	Cesium-137	1.44E-05	4.65E-04	2.73E-04	pCi/m3
0S2 North Gate(586704001) - AP	14-May-22	Cesium-137	4.54E-05	5.32E-04	2.77E-04	pCi/m3
0S2 North Gate(599942001) - AP	13-Aug-22	Cesium-137	-4.14E-05	3.32E-04	2.14E-04	pCi/m3
0S2 North Gate(609523001) - AP	13-Nov-22	Cesium-137	-1.51E-04	3.17E-04	2.37E-04	pCi/m3
1S1 Wastewater Pond - Air Cartridge						
1S1 Wastewater Pond(566170004) - AC	1-Jan-22	Iodine-131	-1.62E-03	1.23E-02	7.69E-03	pCi/m3
1S1 Wastewater Pond(566823004) - AC	8-Jan-22	Iodine-131	2.74E-03	1.02E-02	6.54E-03	pCi/m3
1S1 Wastewater Pond(567644004) - AC	15-Jan-22	Iodine-131	-6.98E-04	1.10E-02	6.75E-03	pCi/m3
1S1 Wastewater Pond(568227004) - AC	22-Jan-22	Iodine-131	7.16E-03	8.79E-03	1.05E-02	pCi/m3
1S1 Wastewater Pond(568938004) - AC	29-Jan-22	Iodine-131	7.11E-03	7.28E-03	8.23E-03	pCi/m3
1S1 Wastewater Pond(569539004) - AC	5-Feb-22	Iodine-131	2.90E-03	8.45E-03	4.92E-03	pCi/m3
1S1 Wastewater Pond(570262004) - AC	12-Feb-22	Iodine-131	-1.16E-04	7.95E-03	4.63E-03	pCi/m3
1S1 Wastewater Pond(571004004) - AC	19-Feb-22	Iodine-131	3.32E-03	9.42E-03	5.40E-03	pCi/m3
1S1 Wastewater Pond(571634004) - AC	26-Feb-22	Iodine-131	-1.63E-04	8.46E-03	4.92E-03	pCi/m3
1S1 Wastewater Pond(572314004) - AC	5-Mar-22	Iodine-131	5.37E-03	1.62E-02	9.06E-03	pCi/m3
1S1 Wastewater Pond(573048004) - AC	12-Mar-22	Iodine-131	1.46E-03	1.20E-02	7.23E-03	pCi/m3
1S1 Wastewater Pond(573818004) - AC	19-Mar-22	Iodine-131	-4.36E-03	1.93E-02	1.20E-02	pCi/m3
1S1 Wastewater Pond(574546004) - AC	26-Mar-22	Iodine-131	-3.07E-04	1.06E-02	6.17E-03	pCi/m3
1S1 Wastewater Pond(575139004) - AC	1-Apr-22	Iodine-131	2.13E-03	1.25E-02	6.95E-03	pCi/m3

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Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
1S1 Wastewater Pond(576098004) - AC	9-Apr-22	Iodine-131	1.48E-03	7.02E-03	4.10E-03	pCi/m3
1S1 Wastewater Pond(576843004) - AC	17-Apr-22	Iodine-131	3.57E-03	1.03E-02	5.71E-03	pCi/m3
1S1 Wastewater Pond(577602004) - AC	23-Apr-22	Iodine-131	-6.86E-04	1.11E-02	6.49E-03	pCi/m3
1S1 Wastewater Pond(578404004) - AC	1-May-22	Iodine-131	1.11E-02	1.11E-02	1.16E-02	pCi/m3
1S1 Wastewater Pond(579259004) - AC	7-May-22	Iodine-131	3.73E-04	1.08E-02	6.71E-03	pCi/m3
1S1 Wastewater Pond(580040004) - AC	14-May-22	Iodine-131	-1.89E-05	9.96E-03	6.07E-03	pCi/m3
1S1 Wastewater Pond(580687004) - AC	21-May-22	Iodine-131	5.36E-03	1.40E-02	7.89E-03	pCi/m3
1S1 Wastewater Pond(581376004) - AC	28-May-22	Iodine-131	-2.08E-03	2.44E-02	1.49E-02	pCi/m3
1S1 Wastewater Pond(581941004) - AC	4-Jun-22	Iodine-131	6.71E-04	1.14E-02	7.61E-03	pCi/m3
1S1 Wastewater Pond(582794011) - AC	11-Jun-22	Iodine-131	-4.74E-03	9.93E-03	7.52E-03	pCi/m3
1S1 Wastewater Pond(583529004) - AC	18-Jun-22	Iodine-131	6.21E-03	1.66E-02	8.89E-03	pCi/m3
1S1 Wastewater Pond(584143004) - AC	25-Jun-22	Iodine-131	-1.13E-03	1.35E-02	9.02E-03	pCi/m3
1S1 Wastewater Pond(584817004) - AC	2-Jul-22	Iodine-131	2.06E-03	1.49E-02	9.17E-03	pCi/m3
1S1 Wastewater Pond(585549004) - AC	9-Jul-22	Iodine-131	2.63E-03	1.58E-02	8.97E-03	pCi/m3
1S1 Wastewater Pond(586338011) - AC	16-Jul-22	Iodine-131	-1.69E-03	9.12E-03	5.62E-03	pCi/m3
1S1 Wastewater Pond(587150015) - AC	23-Jul-22	Iodine-131	-2.48E-03	1.07E-02	6.83E-03	pCi/m3
1S1 Wastewater Pond(587893015) - AC	30-Jul-22	Iodine-131	1.31E-02	1.31E-02	2.20E-02	pCi/m3
1S1 Wastewater Pond(588815004) - AC	6-Aug-22	Iodine-131	-5.87E-03	1.18E-02	8.67E-03	pCi/m3
1S1 Wastewater Pond(589626004) - AC	13-Aug-22	Iodine-131	-3.52E-04	9.22E-03	5.43E-03	pCi/m3
1S1 Wastewater Pond(590530004) - AC	21-Aug-22	Iodine-131	3.31E-03	1.70E-02	9.45E-03	pCi/m3
1S1 Wastewater Pond(591268004) - AC	28-Aug-22	Iodine-131	-1.45E-03	1.26E-02	7.99E-03	pCi/m3
1S1 Wastewater Pond(592024004) - AC	3-Sep-22	Iodine-131	4.68E-04	9.16E-03	5.54E-03	pCi/m3
1S1 Wastewater Pond(592703004) - AC	10-Sep-22	Iodine-131	-8.98E-03	1.83E-02	1.27E-02	pCi/m3
1S1 Wastewater Pond(593600004) - AC	17-Sep-22	Iodine-131	2.86E-03	1.35E-02	7.33E-03	pCi/m3
1S1 Wastewater Pond(594424004) - AC	24-Sep-22	Iodine-131	4.76E-03	1.72E-02	9.58E-03	pCi/m3
1S1 Wastewater Pond(594985004) - AC	1-Oct-22	Iodine-131	-1.79E-03	1.27E-02	8.80E-03	pCi/m3
1S1 Wastewater Pond(596161004) - AC	8-Oct-22	Iodine-131	-6.12E-03	1.99E-02	1.31E-02	pCi/m3
1S1 Wastewater Pond(597071004) - AC	15-Oct-22	Iodine-131	-2.48E-03	1.43E-02	8.89E-03	pCi/m3
1S1 Wastewater Pond(597930004) - AC	22-Oct-22	Iodine-131	-5.17E-03	1.46E-02	9.77E-03	pCi/m3
1S1 Wastewater Pond(598809004) - AC	29-Oct-22	Iodine-131	6.12E-04	1.26E-02	7.22E-03	pCi/m3
1S1 Wastewater Pond(599710004) - AC	5-Nov-22	Iodine-131	6.25E-03	1.13E-02	6.28E-03	pCi/m3
1S1 Wastewater Pond(600682004) - AC	12-Nov-22	Iodine-131	-3.08E-03	2.49E-02	1.59E-02	pCi/m3
1S1 Wastewater Pond(601451004) - AC	19-Nov-22	Iodine-131	2.70E-03	1.59E-02	8.80E-03	pCi/m3
1S1 Wastewater Pond(602126004) - AC	26-Nov-22	Iodine-131	-1.97E-05	9.99E-03	6.89E-03	pCi/m3
1S1 Wastewater Pond(602817004) - AC	4-Dec-22	Iodine-131	-5.50E-04	1.14E-02	6.65E-03	pCi/m3
1S1 Wastewater Pond(603772013) - AC	12-Dec-22	Iodine-131	-1.47E-02	2.16E-02	1.65E-02	pCi/m3
1S1 Wastewater Pond(604614004) - AC	19-Dec-22	Iodine-131	-4.46E-03	2.20E-02	1.43E-02	pCi/m3

2022 DCPP REMP Analysis Results

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
1S1 Wastewater Pond(605326004) - AC	26-Dec-22	Iodine-131	-2.91E-03	1.82E-02	1.16E-02	pCi/m3
1S1 Wastewater Pond - Air Particulate						
1S1 Wastewater Pond(566170005) - AP	1-Jan-22	BETA	2.06E-02	2.48E-03	1.24E-02	pCi/m3
1S1 Wastewater Pond(566823005) - AP	8-Jan-22	BETA	3.04E-02	1.84E-03	9.88E-03	pCi/m3
1S1 Wastewater Pond(567644005) - AP	15-Jan-22	BETA	6.24E-02	2.17E-03	1.27E-02	pCi/m3
1S1 Wastewater Pond(568227005) - AP	22-Jan-22	BETA	5.51E-02	2.03E-03	1.21E-02	pCi/m3
1S1 Wastewater Pond(568938005) - AP	29-Jan-22	BETA	7.77E-02	2.19E-03	1.23E-02	pCi/m3
1S1 Wastewater Pond(569539005) - AP	5-Feb-22	BETA	4.89E-02	2.19E-03	1.18E-02	pCi/m3
1S1 Wastewater Pond(570262005) - AP	12-Feb-22	BETA	5.12E-02	2.04E-03	1.16E-02	pCi/m3
1S1 Wastewater Pond(571004005) - AP	19-Feb-22	BETA	2.04E-02	2.30E-03	1.07E-02	pCi/m3
1S1 Wastewater Pond(571634005) - AP	26-Feb-22	BETA	3.75E-02	2.14E-03	1.18E-02	pCi/m3
1S1 Wastewater Pond(572314005) - AP	5-Mar-22	BETA	2.61E-02	2.26E-03	1.09E-02	pCi/m3
1S1 Wastewater Pond(573048005) - AP	12-Mar-22	BETA	1.98E-02	2.09E-03	1.15E-02	pCi/m3
1S1 Wastewater Pond(573818005) - AP	19-Mar-22	BETA	1.98E-02	2.08E-03	1.03E-02	pCi/m3
1S1 Wastewater Pond(574546005) - AP	26-Mar-22	BETA	1.20E-02	2.31E-03	1.16E-02	pCi/m3
1S1 Wastewater Pond(575139005) - AP	1-Apr-22	BETA	1.49E-02	2.33E-03	1.10E-02	pCi/m3
1S1 Wastewater Pond(576098005) - AP	9-Apr-22	BETA	2.32E-02	1.78E-03	9.80E-03	pCi/m3
1S1 Wastewater Pond(576843005) - AP	17-Apr-22	BETA	1.59E-02	2.20E-03	1.28E-02	pCi/m3
1S1 Wastewater Pond(577602005) - AP	23-Apr-22	BETA	1.12E-02	2.09E-03	1.20E-02	pCi/m3
1S1 Wastewater Pond(578404005) - AP	1-May-22	BETA	1.23E-02	2.49E-03	1.19E-02	pCi/m3
1S1 Wastewater Pond(579259005) - AP	7-May-22	BETA	8.73E-03	2.15E-03	1.21E-02	pCi/m3
1S1 Wastewater Pond(580040005) - AP	14-May-22	BETA	7.03E-03	1.97E-03	1.19E-02	pCi/m3
1S1 Wastewater Pond(580687005) - AP	21-May-22	BETA	1.08E-02	2.12E-03	1.23E-02	pCi/m3
1S1 Wastewater Pond(581376005) - AP	28-May-22	BETA	1.28E-02	2.43E-03	1.09E-02	pCi/m3
1S1 Wastewater Pond(581941005) - AP	4-Jun-22	BETA	1.12E-02	1.60E-03	7.40E-03	pCi/m3
1S1 Wastewater Pond(582794012) - AP	11-Jun-22	BETA	1.11E-02	1.66E-03	7.72E-03	pCi/m3
1S1 Wastewater Pond(583529005) - AP	18-Jun-22	BETA	7.62E-03	1.86E-03	8.40E-03	pCi/m3
1S1 Wastewater Pond(584143005) - AP	25-Jun-22	BETA	5.66E-03	1.94E-03	8.67E-03	pCi/m3
1S1 Wastewater Pond(584817005) - AP	2-Jul-22	BETA	8.05E-03	1.66E-03	9.45E-03	pCi/m3
1S1 Wastewater Pond(585549005) - AP	9-Jul-22	BETA	4.20E-03	1.61E-03	9.58E-03	pCi/m3
1S1 Wastewater Pond(586338012) - AP	16-Jul-22	BETA	5.23E-03	1.59E-03	8.07E-03	pCi/m3
1S1 Wastewater Pond(587150016) - AP	23-Jul-22	BETA	5.69E-03	1.64E-03	8.00E-03	pCi/m3
1S1 Wastewater Pond(587893016) - AP	30-Jul-22	BETA	6.02E-03	1.66E-03	8.52E-03	pCi/m3
1S1 Wastewater Pond(588815005) - AP	6-Aug-22	BETA	8.16E-03	1.93E-03	8.52E-03	pCi/m3
1S1 Wastewater Pond(589626005) - AP	13-Aug-22	BETA	9.41E-03	1.63E-03	8.69E-03	pCi/m3
1S1 Wastewater Pond(590530005) - AP	21-Aug-22	BETA	3.09E-03	1.91E-03	9.34E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
1S1 Wastewater Pond(591268005) - AP	28-Aug-22	BETA	8.97E-03	1.67E-03	8.48E-03	pCi/m3
1S1 Wastewater Pond(592024005) - AP	3-Sep-22	BETA	2.05E-02	2.06E-03	9.22E-03	pCi/m3
1S1 Wastewater Pond(592703005) - AP	10-Sep-22	BETA	1.44E-02	1.84E-03	9.17E-03	pCi/m3
1S1 Wastewater Pond(593600005) - AP	17-Sep-22	BETA	1.15E-02	1.66E-03	9.01E-03	pCi/m3
1S1 Wastewater Pond(594424005) - AP	24-Sep-22	BETA	2.59E-02	1.61E-03	9.06E-03	pCi/m3
1S1 Wastewater Pond(594985005) - AP	1-Oct-22	BETA	1.69E-02	1.83E-03	9.15E-03	pCi/m3
1S1 Wastewater Pond(596161005) - AP	8-Oct-22	BETA	1.80E-02	1.82E-03	8.97E-03	pCi/m3
1S1 Wastewater Pond(597071005) - AP	15-Oct-22	BETA	3.36E-02	1.56E-03	8.65E-03	pCi/m3
1S1 Wastewater Pond(597930005) - AP	22-Oct-22	BETA	3.87E-02	2.12E-03	1.06E-02	pCi/m3
1S1 Wastewater Pond(598809005) - AP	29-Oct-22	BETA	2.23E-02	1.59E-03	7.68E-03	pCi/m3
1S1 Wastewater Pond(599710005) - AP	5-Nov-22	BETA	8.44E-03	1.58E-03	9.09E-03	pCi/m3
1S1 Wastewater Pond(600682005) - AP	12-Nov-22	BETA	2.59E-02	1.65E-03	8.92E-03	pCi/m3
1S1 Wastewater Pond(601451005) - AP	19-Nov-22	BETA	7.85E-02	1.82E-03	1.09E-02	pCi/m3
1S1 Wastewater Pond(602126005) - AP	26-Nov-22	BETA	4.81E-02	1.35E-03	8.56E-03	pCi/m3
1S1 Wastewater Pond(602817005) - AP	4-Dec-22	BETA	7.75E-03	1.42E-03	7.95E-03	pCi/m3
1S1 Wastewater Pond(603772014) - AP	12-Dec-22	BETA	8.77E-03	1.65E-03	8.69E-03	pCi/m3
1S1 Wastewater Pond(604614005) - AP	19-Dec-22	BETA	5.14E-02	1.82E-03	9.59E-03	pCi/m3
1S1 Wastewater Pond(605326005) - AP	26-Dec-22	BETA	3.18E-02	1.59E-03	9.29E-03	pCi/m3
1S1 Wastewater Pond(576874002) - AP	12-Feb-22	Cesium-134	1.40E-05	5.12E-04	3.09E-04	pCi/m3
1S1 Wastewater Pond(586704002) - AP	14-May-22	Cesium-134	-4.16E-05	3.10E-04	1.86E-04	pCi/m3
1S1 Wastewater Pond(599942002) - AP	13-Aug-22	Cesium-134	5.82E-05	3.16E-04	1.94E-04	pCi/m3
1S1 Wastewater Pond(609523002) - AP	13-Nov-22	Cesium-134	-3.88E-05	6.34E-04	4.17E-04	pCi/m3
1S1 Wastewater Pond(576874002) - AP	12-Feb-22	Cesium-137	-9.68E-05	4.05E-04	2.36E-04	pCi/m3
1S1 Wastewater Pond(586704002) - AP	14-May-22	Cesium-137	-1.10E-04	3.08E-04	2.20E-04	pCi/m3
1S1 Wastewater Pond(599942002) - AP	13-Aug-22	Cesium-137	-4.03E-05	2.92E-04	1.86E-04	pCi/m3
1S1 Wastewater Pond(609523002) - AP	13-Nov-22	Cesium-137	1.71E-04	6.48E-04	3.71E-04	pCi/m3
5F1 SLO OEL - Air Cartridge						
5F1 SLO OEL(566170006) - AC	1-Jan-22	Iodine-131	1.60E-05	8.39E-03	5.46E-03	pCi/m3
5F1 SLO OEL(566823006) - AC	8-Jan-22	Iodine-131	-4.94E-03	7.70E-03	5.86E-03	pCi/m3
5F1 SLO OEL(567644006) - AC	15-Jan-22	Iodine-131	2.18E-03	1.80E-02	1.04E-02	pCi/m3
5F1 SLO OEL(568227006) - AC	22-Jan-22	Iodine-131	-2.28E-03	8.21E-03	5.31E-03	pCi/m3
5F1 SLO OEL(568938006) - AC	29-Jan-22	Iodine-131	4.71E-03	1.11E-02	6.17E-03	pCi/m3
5F1 SLO OEL(569539006) - AC	5-Feb-22	Iodine-131	1.74E-03	1.16E-02	6.67E-03	pCi/m3
5F1 SLO OEL(570262006) - AC	12-Feb-22	Iodine-131	-1.39E-03	8.72E-03	6.27E-03	pCi/m3
5F1 SLO OEL(571004006) - AC	19-Feb-22	Iodine-131	7.42E-03	1.39E-02	7.69E-03	pCi/m3
5F1 SLO OEL(571634006) - AC	26-Feb-22	Iodine-131	4.28E-03	1.28E-02	6.87E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F1 SLO OEL(572314006) - AC	5-Mar-22	Iodine-131	1.03E-02	1.03E-02	1.02E-02	pCi/m3
5F1 SLO OEL(573048006) - AC	12-Mar-22	Iodine-131	4.56E-03	1.71E-02	9.60E-03	pCi/m3
5F1 SLO OEL(573818006) - AC	19-Mar-22	Iodine-131	-9.59E-04	1.41E-02	9.18E-03	pCi/m3
5F1 SLO OEL(574546006) - AC	26-Mar-22	Iodine-131	6.29E-04	1.13E-02	6.59E-03	pCi/m3
5F1 SLO OEL(575139006) - AC	1-Apr-22	Iodine-131	-2.74E-03	1.44E-02	9.15E-03	pCi/m3
5F1 SLO OEL(576098006) - AC	9-Apr-22	Iodine-131	-1.60E-03	6.17E-03	3.98E-03	pCi/m3
5F1 SLO OEL(576843006) - AC	16-Apr-22	Iodine-131	6.56E-04	1.31E-02	7.42E-03	pCi/m3
5F1 SLO OEL(577602006) - AC	23-Apr-22	Iodine-131	2.22E-03	9.56E-03	5.40E-03	pCi/m3
5F1 SLO OEL(578404006) - AC	30-Apr-22	Iodine-131	2.84E-03	9.54E-03	5.23E-03	pCi/m3
5F1 SLO OEL(579259006) - AC	7-May-22	Iodine-131	1.60E-04	1.51E-02	8.67E-03	pCi/m3
5F1 SLO OEL(580040006) - AC	14-May-22	Iodine-131	-3.12E-03	9.38E-03	6.21E-03	pCi/m3
5F1 SLO OEL(580687006) - AC	21-May-22	Iodine-131	-1.95E-03	6.13E-03	4.23E-03	pCi/m3
5F1 SLO OEL(581376006) - AC	28-May-22	Iodine-131	4.42E-03	1.67E-02	8.95E-03	pCi/m3
5F1 SLO OEL(581941006) - AC	4-Jun-22	Iodine-131	-1.25E-03	8.59E-03	5.30E-03	pCi/m3
5F1 SLO OEL(582794001) - AC	11-Jun-22	Iodine-131	-3.87E-05	9.01E-03	5.53E-03	pCi/m3
5F1 SLO OEL(583529006) - AC	18-Jun-22	Iodine-131	-2.15E-04	1.62E-02	9.53E-03	pCi/m3
5F1 SLO OEL(584143006) - AC	25-Jun-22	Iodine-131	-3.49E-03	1.19E-02	8.07E-03	pCi/m3
5F1 SLO OEL(584817006) - AC	2-Jul-22	Iodine-131	-2.01E-03	1.45E-02	8.91E-03	pCi/m3
5F1 SLO OEL(585549006) - AC	9-Jul-22	Iodine-131	5.67E-03	1.56E-02	8.61E-03	pCi/m3
5F1 SLO OEL(586338002) - AC	16-Jul-22	Iodine-131	-2.01E-04	1.02E-02	6.08E-03	pCi/m3
5F1 SLO OEL(587150001) - AC	23-Jul-22	Iodine-131	-3.00E-04	1.36E-02	8.69E-03	pCi/m3
5F1 SLO OEL(587893001) - AC	30-Jul-22	Iodine-131	-4.50E-03	1.01E-02	7.00E-03	pCi/m3
5F1 SLO OEL(588815006) - AC	6-Aug-22	Iodine-131	4.15E-03	1.78E-02	9.83E-03	pCi/m3
5F1 SLO OEL(589626006) - AC	13-Aug-22	Iodine-131	-2.05E-03	7.72E-03	5.01E-03	pCi/m3
5F1 SLO OEL(590530006) - AC	20-Aug-22	Iodine-131	-2.98E-03	1.05E-02	7.48E-03	pCi/m3
5F1 SLO OEL(591268006) - AC	27-Aug-22	Iodine-131	-2.34E-03	9.28E-03	5.96E-03	pCi/m3
5F1 SLO OEL(592024006) - AC	3-Sep-22	Iodine-131	-2.45E-03	9.30E-03	5.85E-03	pCi/m3
5F1 SLO OEL(592703006) - AC	10-Sep-22	Iodine-131	2.28E-03	1.54E-02	8.54E-03	pCi/m3
5F1 SLO OEL(593600006) - AC	17-Sep-22	Iodine-131	3.42E-03	1.56E-02	8.65E-03	pCi/m3
5F1 SLO OEL(594424006) - AC	24-Sep-22	Iodine-131	6.36E-03	1.42E-02	8.40E-03	pCi/m3
5F1 SLO OEL(594985006) - AC	1-Oct-22	Iodine-131	-6.03E-03	1.51E-02	1.02E-02	pCi/m3
5F1 SLO OEL(596161006) - AC	8-Oct-22	Iodine-131	-7.73E-05	2.34E-02	1.35E-02	pCi/m3
5F1 SLO OEL(597071006) - AC	15-Oct-22	Iodine-131	3.96E-03	1.33E-02	7.22E-03	pCi/m3
5F1 SLO OEL(597930006) - AC	22-Oct-22	Iodine-131	-8.86E-03	1.79E-02	1.50E-02	pCi/m3
5F1 SLO OEL(598809006) - AC	29-Oct-22	Iodine-131	4.77E-03	1.29E-02	7.07E-03	pCi/m3
5F1 SLO OEL(599710006) - AC	5-Nov-22	Iodine-131	4.36E-03	1.45E-02	8.03E-03	pCi/m3
5F1 SLO OEL(600682006) - AC	12-Nov-22	Iodine-131	2.47E-02	2.47E-02	2.95E-02	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F1 SLO OEL(601451006) - AC	19-Nov-22	Iodine-131	1.09E-03	1.71E-02	1.02E-02	pCi/m3
5F1 SLO OEL(602126006) - AC	26-Nov-22	Iodine-131	6.41E-04	1.23E-02	6.94E-03	pCi/m3
5F1 SLO OEL(602817006) - AC	4-Dec-22	Iodine-131	-3.70E-03	1.01E-02	6.93E-03	pCi/m3
5F1 SLO OEL(603772001) - AC	12-Dec-22	Iodine-131	-2.24E-03	2.15E-02	1.29E-02	pCi/m3
5F1 SLO OEL(604614006) - AC	18-Dec-22	Iodine-131	4.38E-03	2.31E-02	1.27E-02	pCi/m3
5F1 SLO OEL(605326006) - AC	25-Dec-22	Iodine-131	-1.90E-03	1.54E-02	9.43E-03	pCi/m3

5F1 SLO OEL - Air Carbon-14

5F1 SLO OEL(566170008) - AC14	1-Jan-22	Carbon-14	-1.73E-07	3.50E-07	2.03E-07	uCi/m3
5F1 SLO OEL(566823008) - AC14	8-Jan-22	Carbon-14	-1.19E-07	2.46E-07	1.43E-07	uCi/m3
5F1 SLO OEL(567644008) - AC14	15-Jan-22	Carbon-14	-1.61E-09	2.98E-07	1.77E-07	uCi/m3
5F1 SLO OEL(568227008) - AC14	22-Jan-22	Carbon-14	-7.02E-08	2.55E-07	1.49E-07	uCi/m3
5F1 SLO OEL(568938008) - AC14	29-Jan-22	Carbon-14	-2.33E-07	3.14E-07	1.80E-07	uCi/m3
5F1 SLO OEL(569539008) - AC14	5-Feb-22	Carbon-14	-1.04E-07	2.99E-07	1.75E-07	uCi/m3
5F1 SLO OEL(570262008) - AC14	12-Feb-22	Carbon-14	-5.60E-08	2.79E-07	1.65E-07	uCi/m3
5F1 SLO OEL(571004008) - AC14	19-Feb-22	Carbon-14	-1.34E-07	2.69E-07	1.56E-07	uCi/m3
5F1 SLO OEL(571634008) - AC14	26-Feb-22	Carbon-14	9.05E-08	2.67E-07	1.62E-07	uCi/m3
5F1 SLO OEL(572314008) - AC14	5-Mar-22	Carbon-14	-2.16E-08	2.55E-07	1.51E-07	uCi/m3
5F1 SLO OEL(573048008) - AC14	12-Mar-22	Carbon-14	9.37E-09	2.56E-07	1.53E-07	uCi/m3
5F1 SLO OEL(573818008) - AC14	19-Mar-22	Carbon-14	-1.08E-08	2.80E-07	1.66E-07	uCi/m3
5F1 SLO OEL(574546008) - AC14	26-Mar-22	Carbon-14	-2.08E-07	3.44E-07	1.98E-07	uCi/m3
5F1 SLO OEL(575139008) - AC14	1-Apr-22	Carbon-14	-1.14E-07	2.93E-07	1.71E-07	uCi/m3
5F1 SLO OEL(576098008) - AC14	9-Apr-22	Carbon-14	-1.44E-07	2.64E-07	1.53E-07	uCi/m3
5F1 SLO OEL(576843008) - AC14	16-Apr-22	Carbon-14	1.41E-08	2.83E-07	1.69E-07	uCi/m3
5F1 SLO OEL(577602008) - AC14	23-Apr-22	Carbon-14	-1.95E-07	3.25E-07	1.89E-07	uCi/m3
5F1 SLO OEL(578404008) - AC14	30-Apr-22	Carbon-14	-3.31E-07	3.75E-07	2.16E-07	uCi/m3
5F1 SLO OEL(579259008) - AC14	7-May-22	Carbon-14	1.91E-08	3.61E-07	2.16E-07	uCi/m3
5F1 SLO OEL(580040008) - AC14	14-May-22	Carbon-14	1.58E-07	3.43E-07	2.11E-07	uCi/m3
5F1 SLO OEL(580687008) - AC14	21-May-22	Carbon-14	-1.20E-07	3.27E-07	1.92E-07	uCi/m3
5F1 SLO OEL(581376008) - AC14	28-May-22	Carbon-14	-1.95E-07	3.34E-07	1.94E-07	uCi/m3
5F1 SLO OEL(581941008) - AC14	4-Jun-22	Carbon-14	-2.32E-07	2.80E-07	1.59E-07	uCi/m3
5F1 SLO OEL(582794015) - AC14	11-Jun-22	Carbon-14	-6.89E-08	2.94E-07	1.73E-07	uCi/m3
5F1 SLO OEL(583529008) - AC14	18-Jun-22	Carbon-14	-5.29E-08	2.99E-07	1.76E-07	uCi/m3
5F1 SLO OEL(584143008) - AC14	25-Jun-22	Carbon-14	5.75E-09	2.82E-07	1.68E-07	uCi/m3
5F1 SLO OEL(584817008) - AC14	2-Jul-22	Carbon-14	-9.12E-08	4.36E-07	2.56E-07	uCi/m3
5F1 SLO OEL(585549008) - AC14	9-Jul-22	Carbon-14	-1.42E-07	4.59E-07	2.68E-07	uCi/m3
5F1 SLO OEL(586338017) - AC14	16-Jul-22	Carbon-14	-2.64E-07	4.91E-07	2.82E-07	uCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F1 SLO OEL(587150003) - AC14	23-Jul-22	Carbon-14	-2.87E-07	4.89E-07	2.81E-07	uCi/m3
5F1 SLO OEL(587893003) - AC14	30-Jul-22	Carbon-14	1.56E-07	4.17E-07	2.53E-07	uCi/m3
5F1 SLO OEL(588815008) - AC14	6-Aug-22	Carbon-14	1.52E-07	4.18E-07	2.54E-07	uCi/m3
5F1 SLO OEL(589626008) - AC14	13-Aug-22	Carbon-14	2.24E-07	4.73E-07	2.88E-07	uCi/m3
5F1 SLO OEL(590530008) - AC14	20-Aug-22	Carbon-14	-1.52E-07	4.82E-07	2.83E-07	uCi/m3
5F1 SLO OEL(591268008) - AC14	27-Aug-22	Carbon-14	-3.37E-08	4.64E-07	2.76E-07	uCi/m3
5F1 SLO OEL(592024008) - AC14	3-Sep-22	Carbon-14	-8.93E-08	4.75E-07	2.80E-07	uCi/m3
5F1 SLO OEL(592703008) - AC14	10-Sep-22	Carbon-14	-1.00E-07	4.45E-07	2.62E-07	uCi/m3
5F1 SLO OEL(593600008) - AC14	17-Sep-22	Carbon-14	-3.29E-07	4.54E-07	2.56E-07	uCi/m3
5F1 SLO OEL(594424008) - AC14	24-Sep-22	Carbon-14	-1.66E-07	4.46E-07	2.60E-07	uCi/m3
5F1 SLO OEL(594985008) - AC14	1-Oct-22	Carbon-14	2.02E-08	4.61E-07	2.75E-07	uCi/m3
5F1 SLO OEL(596161008) - AC14	8-Oct-22	Carbon-14	-3.21E-08	3.18E-07	1.89E-07	uCi/m3
5F1 SLO OEL(597071008) - AC14	15-Oct-22	Carbon-14	4.39E-08	3.17E-07	1.90E-07	uCi/m3
5F1 SLO OEL(597930008) - AC14	22-Oct-22	Carbon-14	6.31E-08	3.79E-07	2.27E-07	uCi/m3
5F1 SLO OEL(598809008) - AC14	29-Oct-22	Carbon-14	-5.98E-08	2.84E-07	1.68E-07	uCi/m3
5F1 SLO OEL(599710008) - AC14	5-Nov-22	Carbon-14	-3.39E-08	4.51E-07	2.68E-07	uCi/m3
5F1 SLO OEL(600682008) - AC14	12-Nov-22	Carbon-14	-1.47E-07	4.46E-07	2.61E-07	uCi/m3
5F1 SLO OEL(601451008) - AC14	19-Nov-22	Carbon-14	-9.45E-08	5.15E-07	3.04E-07	uCi/m3
5F1 SLO OEL(602126008) - AC14	26-Nov-22	Carbon-14	-2.76E-07	3.87E-07	2.22E-07	uCi/m3
5F1 SLO OEL(602817008) - AC14	4-Dec-22	Carbon-14	-8.67E-08	3.97E-07	2.34E-07	uCi/m3
5F1 SLO OEL(603772017) - AC14	12-Dec-22	Carbon-14	-1.40E-07	4.56E-07	2.67E-07	uCi/m3
5F1 SLO OEL(604614008) - AC14	18-Dec-22	Carbon-14	-1.99E-07	4.53E-07	2.63E-07	uCi/m3
5F1 SLO OEL(605326008) - AC14	25-Dec-22	Carbon-14	-1.32E-07	4.36E-07	2.55E-07	uCi/m3

5F1 SLO OEL - Air Particulate

5F1 SLO OEL(566170007) - AP	1-Jan-22	BETA	1.78E-02	2.40E-03	1.20E-02	pCi/m3
5F1 SLO OEL(566823007) - AP	8-Jan-22	BETA	3.70E-02	1.91E-03	9.98E-03	pCi/m3
5F1 SLO OEL(567644007) - AP	15-Jan-22	BETA	6.87E-02	2.15E-03	1.29E-02	pCi/m3
5F1 SLO OEL(568227007) - AP	22-Jan-22	BETA	6.34E-02	2.05E-03	1.21E-02	pCi/m3
5F1 SLO OEL(568938007) - AP	29-Jan-22	BETA	7.91E-02	2.16E-03	1.23E-02	pCi/m3
5F1 SLO OEL(569539007) - AP	5-Feb-22	BETA	5.38E-02	2.27E-03	1.23E-02	pCi/m3
5F1 SLO OEL(570262007) - AP	12-Feb-22	BETA	5.25E-02	1.98E-03	1.19E-02	pCi/m3
5F1 SLO OEL(571004007) - AP	19-Feb-22	BETA	2.64E-02	2.08E-03	1.14E-02	pCi/m3
5F1 SLO OEL(571634007) - AP	26-Feb-22	BETA	3.97E-02	2.08E-03	1.16E-02	pCi/m3
5F1 SLO OEL(572314007) - AP	5-Mar-22	BETA	2.89E-02	2.06E-03	1.12E-02	pCi/m3
5F1 SLO OEL(573048007) - AP	12-Mar-22	BETA	2.45E-02	2.19E-03	1.17E-02	pCi/m3
5F1 SLO OEL(573818007) - AP	19-Mar-22	BETA	1.84E-02	2.15E-03	1.03E-02	pCi/m3

Air Samples

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F1 SLO OEL(574546007) - AP	26-Mar-22	BETA	1.45E-02	2.40E-03	1.17E-02	pCi/m3
5F1 SLO OEL(575139007) - AP	1-Apr-22	BETA	1.48E-02	2.04E-03	1.10E-02	pCi/m3
5F1 SLO OEL(576098007) - AP	9-Apr-22	BETA	2.26E-02	1.76E-03	9.71E-03	pCi/m3
5F1 SLO OEL(576843007) - AP	16-Apr-22	BETA	1.82E-02	2.39E-03	1.28E-02	pCi/m3
5F1 SLO OEL(577602007) - AP	23-Apr-22	BETA	9.44E-03	2.10E-03	1.21E-02	pCi/m3
5F1 SLO OEL(578404007) - AP	30-Apr-22	BETA	1.27E-02	2.06E-03	1.20E-02	pCi/m3
5F1 SLO OEL(579259007) - AP	7-May-22	BETA	7.16E-03	2.54E-03	1.20E-02	pCi/m3
5F1 SLO OEL(580040007) - AP	14-May-22	BETA	9.47E-03	2.22E-03	1.19E-02	pCi/m3
5F1 SLO OEL(580687007) - AP	21-May-22	BETA	1.30E-02	2.05E-03	1.25E-02	pCi/m3
5F1 SLO OEL(581376007) - AP	28-May-22	BETA	1.74E-02	2.15E-03	1.09E-02	pCi/m3
5F1 SLO OEL(581941007) - AP	4-Jun-22	BETA	7.84E-03	1.85E-03	7.32E-03	pCi/m3
5F1 SLO OEL(582794002) - AP	11-Jun-22	BETA	1.11E-02	1.85E-03	7.43E-03	pCi/m3
5F1 SLO OEL(583529007) - AP	18-Jun-22	BETA	9.73E-03	1.65E-03	8.69E-03	pCi/m3
5F1 SLO OEL(584143007) - AP	25-Jun-22	BETA	7.77E-03	1.91E-03	8.61E-03	pCi/m3
5F1 SLO OEL(584817007) - AP	2-Jul-22	BETA	4.74E-03	1.91E-03	9.66E-03	pCi/m3
5F1 SLO OEL(585549007) - AP	9-Jul-22	BETA	4.30E-03	1.72E-03	9.72E-03	pCi/m3
5F1 SLO OEL(586338001) - AP	16-Jul-22	BETA	9.23E-03	1.68E-03	8.28E-03	pCi/m3
5F1 SLO OEL(587150002) - AP	23-Jul-22	BETA	7.27E-03	2.03E-03	8.33E-03	pCi/m3
5F1 SLO OEL(587893002) - AP	30-Jul-22	BETA	6.49E-03	2.01E-03	8.81E-03	pCi/m3
5F1 SLO OEL(588815007) - AP	6-Aug-22	BETA	9.59E-03	1.69E-03	8.76E-03	pCi/m3
5F1 SLO OEL(589626007) - AP	13-Aug-22	BETA	1.05E-02	1.64E-03	9.05E-03	pCi/m3
5F1 SLO OEL(590530007) - AP	20-Aug-22	BETA	2.92E-03	1.62E-03	9.04E-03	pCi/m3
5F1 SLO OEL(591268007) - AP	27-Aug-22	BETA	1.01E-02	1.60E-03	8.32E-03	pCi/m3
5F1 SLO OEL(592024007) - AP	3-Sep-22	BETA	2.59E-02	1.71E-03	9.06E-03	pCi/m3
5F1 SLO OEL(592703007) - AP	10-Sep-22	BETA	1.90E-02	1.63E-03	9.07E-03	pCi/m3
5F1 SLO OEL(593600007) - AP	17-Sep-22	BETA	1.35E-02	1.82E-03	9.05E-03	pCi/m3
5F1 SLO OEL(594424007) - AP	24-Sep-22	BETA	2.70E-02	1.58E-03	9.34E-03	pCi/m3
5F1 SLO OEL(594985007) - AP	1-Oct-22	BETA	1.66E-02	1.67E-03	9.23E-03	pCi/m3
5F1 SLO OEL(596161007) - AP	8-Oct-22	BETA	1.93E-02	1.66E-03	9.04E-03	pCi/m3
5F1 SLO OEL(597071007) - AP	15-Oct-22	BETA	2.86E-02	1.52E-03	8.66E-03	pCi/m3
5F1 SLO OEL(597930007) - AP	22-Oct-22	BETA	4.25E-02	1.95E-03	1.08E-02	pCi/m3
5F1 SLO OEL(598809007) - AP	29-Oct-22	BETA	2.77E-02	1.42E-03	8.06E-03	pCi/m3
5F1 SLO OEL(599710007) - AP	5-Nov-22	BETA	1.18E-02	1.61E-03	9.07E-03	pCi/m3
5F1 SLO OEL(600682007) - AP	12-Nov-22	BETA	2.93E-02	1.62E-03	9.02E-03	pCi/m3
5F1 SLO OEL(601451007) - AP	19-Nov-22	BETA	7.92E-02	1.85E-03	1.10E-02	pCi/m3
5F1 SLO OEL(602126007) - AP	26-Nov-22	BETA	6.60E-02	1.40E-03	8.87E-03	pCi/m3
5F1 SLO OEL(602817007) - AP	4-Dec-22	BETA	1.06E-02	1.39E-03	8.14E-03	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F1 SLO OEL(603772002) - AP	12-Dec-22	BETA	1.37E-02	1.82E-03	8.86E-03	pCi/m3
5F1 SLO OEL(604614007) - AP	18-Dec-22	BETA	5.94E-02	1.66E-03	9.64E-03	pCi/m3
5F1 SLO OEL(605326007) - AP	25-Dec-22	BETA	3.27E-02	1.58E-03	9.10E-03	pCi/m3
5F1 SLO OEL(576874003) - AP	12-Feb-22	Cesium-134	6.14E-05	1.15E-03	6.88E-04	pCi/m3
5F1 SLO OEL(586704003) - AP	14-May-22	Cesium-134	-1.48E-04	3.02E-04	2.24E-04	pCi/m3
5F1 SLO OEL(599942003) - AP	13-Aug-22	Cesium-134	-1.60E-05	3.92E-04	2.42E-04	pCi/m3
5F1 SLO OEL(609523003) - AP	13-Nov-22	Cesium-134	9.74E-05	3.98E-04	2.22E-04	pCi/m3
5F1 SLO OEL(576874003) - AP	12-Feb-22	Cesium-137	-3.02E-04	7.55E-04	5.50E-04	pCi/m3
5F1 SLO OEL(586704003) - AP	14-May-22	Cesium-137	7.76E-05	3.31E-04	1.90E-04	pCi/m3
5F1 SLO OEL(599942003) - AP	13-Aug-22	Cesium-137	8.03E-05	3.28E-04	1.88E-04	pCi/m3
5F1 SLO OEL(609523003) - AP	13-Nov-22	Cesium-137	-4.28E-05	3.37E-04	2.10E-04	pCi/m3
7D1 Avila Gate - Air Cartridge						
7D1 Avila Gate(566170009) - AC	1-Jan-22	Iodine-131	-3.92E-03	1.22E-02	7.77E-03	pCi/m3
7D1 Avila Gate(566823009) - AC	8-Jan-22	Iodine-131	1.48E-04	8.78E-03	5.05E-03	pCi/m3
7D1 Avila Gate(567644009) - AC	15-Jan-22	Iodine-131	1.78E-04	1.14E-02	6.90E-03	pCi/m3
7D1 Avila Gate(568227009) - AC	22-Jan-22	Iodine-131	-5.41E-03	7.37E-03	6.28E-03	pCi/m3
7D1 Avila Gate(568938009) - AC	29-Jan-22	Iodine-131	7.12E-03	7.12E-03	6.15E-03	pCi/m3
7D1 Avila Gate(569539009) - AC	5-Feb-22	Iodine-131	-2.48E-03	7.46E-03	4.84E-03	pCi/m3
7D1 Avila Gate(570262009) - AC	12-Feb-22	Iodine-131	-3.81E-03	6.40E-03	4.72E-03	pCi/m3
7D1 Avila Gate(571004009) - AC	19-Feb-22	Iodine-131	4.28E-03	1.04E-02	5.98E-03	pCi/m3
7D1 Avila Gate(571634009) - AC	26-Feb-22	Iodine-131	-1.11E-03	5.75E-03	3.65E-03	pCi/m3
7D1 Avila Gate(572314009) - AC	5-Mar-22	Iodine-131	1.78E-03	1.12E-02	6.24E-03	pCi/m3
7D1 Avila Gate(573048009) - AC	12-Mar-22	Iodine-131	-3.29E-03	1.41E-02	8.79E-03	pCi/m3
7D1 Avila Gate(573818009) - AC	19-Mar-22	Iodine-131	6.72E-03	1.54E-02	8.84E-03	pCi/m3
7D1 Avila Gate(574546009) - AC	26-Mar-22	Iodine-131	4.12E-03	1.29E-02	7.07E-03	pCi/m3
7D1 Avila Gate(575139009) - AC	1-Apr-22	Iodine-131	3.74E-03	1.14E-02	6.64E-03	pCi/m3
7D1 Avila Gate(576098009) - AC	9-Apr-22	Iodine-131	-2.76E-03	1.19E-02	7.45E-03	pCi/m3
7D1 Avila Gate(576843009) - AC	16-Apr-22	Iodine-131	1.03E-03	1.10E-02	6.20E-03	pCi/m3
7D1 Avila Gate(577602009) - AC	23-Apr-22	Iodine-131	-2.67E-03	9.89E-03	6.31E-03	pCi/m3
7D1 Avila Gate(578404009) - AC	30-Apr-22	Iodine-131	2.33E-03	4.99E-03	2.36E-03	pCi/m3
7D1 Avila Gate(579259009) - AC	7-May-22	Iodine-131	3.23E-03	1.37E-02	7.41E-03	pCi/m3
7D1 Avila Gate(580040009) - AC	14-May-22	Iodine-131	9.82E-04	1.08E-02	6.38E-03	pCi/m3
7D1 Avila Gate(580687009) - AC	21-May-22	Iodine-131	-1.48E-03	7.10E-03	4.48E-03	pCi/m3
7D1 Avila Gate(581376009) - AC	28-May-22	Iodine-131	1.67E-03	1.67E-02	9.40E-03	pCi/m3
7D1 Avila Gate(581941009) - AC	4-Jun-22	Iodine-131	1.19E-03	1.29E-02	7.39E-03	pCi/m3
7D1 Avila Gate(582794003) - AC	11-Jun-22	Iodine-131	2.10E-03	9.54E-03	5.63E-03	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7D1 Avila Gate(583529009) - AC	18-Jun-22	Iodine-131	-7.06E-03	1.76E-02	1.32E-02	pCi/m3
7D1 Avila Gate(584143009) - AC	25-Jun-22	Iodine-131	1.19E-03	1.73E-02	9.74E-03	pCi/m3
7D1 Avila Gate(584817009) - AC	2-Jul-22	Iodine-131	-1.30E-03	1.33E-02	7.84E-03	pCi/m3
7D1 Avila Gate(585549009) - AC	9-Jul-22	Iodine-131	-2.70E-03	1.28E-02	9.56E-03	pCi/m3
7D1 Avila Gate(586338003) - AC	16-Jul-22	Iodine-131	1.60E-03	9.24E-03	5.16E-03	pCi/m3
7D1 Avila Gate(587150004) - AC	23-Jul-22	Iodine-131	-5.05E-03	9.49E-03	7.07E-03	pCi/m3
7D1 Avila Gate(587893004) - AC	30-Jul-22	Iodine-131	-1.62E-03	9.23E-03	6.39E-03	pCi/m3
7D1 Avila Gate(588815009) - AC	6-Aug-22	Iodine-131	3.51E-03	1.62E-02	8.96E-03	pCi/m3
7D1 Avila Gate(589626009) - AC	13-Aug-22	Iodine-131	-1.63E-03	6.04E-03	3.88E-03	pCi/m3
7D1 Avila Gate(590530009) - AC	20-Aug-22	Iodine-131	1.26E-03	1.35E-02	7.59E-03	pCi/m3
7D1 Avila Gate(591268009) - AC	27-Aug-22	Iodine-131	6.90E-03	1.56E-02	8.44E-03	pCi/m3
7D1 Avila Gate(592024009) - AC	3-Sep-22	Iodine-131	-1.68E-03	9.92E-03	6.08E-03	pCi/m3
7D1 Avila Gate(592703009) - AC	10-Sep-22	Iodine-131	1.57E-02	1.66E-02	2.05E-02	pCi/m3
7D1 Avila Gate(593600009) - AC	17-Sep-22	Iodine-131	1.86E-03	1.34E-02	7.55E-03	pCi/m3
7D1 Avila Gate(594424009) - AC	24-Sep-22	Iodine-131	5.04E-03	1.59E-02	8.80E-03	pCi/m3
7D1 Avila Gate(594985009) - AC	1-Oct-22	Iodine-131	-4.22E-04	1.62E-02	9.51E-03	pCi/m3
7D1 Avila Gate(596161009) - AC	8-Oct-22	Iodine-131	6.60E-03	2.55E-02	1.45E-02	pCi/m3
7D1 Avila Gate(597071009) - AC	15-Oct-22	Iodine-131	-1.35E-03	1.50E-02	8.90E-03	pCi/m3
7D1 Avila Gate(597930009) - AC	22-Oct-22	Iodine-131	3.51E-03	1.37E-02	7.30E-03	pCi/m3
7D1 Avila Gate(598809009) - AC	29-Oct-22	Iodine-131	4.64E-04	1.20E-02	7.09E-03	pCi/m3
7D1 Avila Gate(599710009) - AC	5-Nov-22	Iodine-131	-3.07E-04	9.26E-03	5.43E-03	pCi/m3
7D1 Avila Gate(600682009) - AC	12-Nov-22	Iodine-131	-3.05E-03	1.84E-02	1.14E-02	pCi/m3
7D1 Avila Gate(601451009) - AC	19-Nov-22	Iodine-131	-2.26E-03	1.78E-02	1.08E-02	pCi/m3
7D1 Avila Gate(602126009) - AC	26-Nov-22	Iodine-131	4.32E-05	1.19E-02	7.70E-03	pCi/m3
7D1 Avila Gate(602817009) - AC	4-Dec-22	Iodine-131	5.11E-03	1.69E-02	9.02E-03	pCi/m3
7D1 Avila Gate(603772005) - AC	12-Dec-22	Iodine-131	-1.49E-02	1.87E-02	1.53E-02	pCi/m3
7D1 Avila Gate(604614009) - AC	18-Dec-22	Iodine-131	3.11E-03	1.77E-02	1.30E-02	pCi/m3
7D1 Avila Gate(605326009) - AC	25-Dec-22	Iodine-131	-9.60E-04	1.58E-02	9.32E-03	pCi/m3

7D1 Avila Gate - Air Particulate

7D1 Avila Gate(566170010) - AP	1-Jan-22	BETA	1.41E-02	2.51E-03	1.24E-02	pCi/m3
7D1 Avila Gate(566823010) - AP	8-Jan-22	BETA	3.13E-02	1.94E-03	1.00E-02	pCi/m3
7D1 Avila Gate(567644010) - AP	15-Jan-22	BETA	5.63E-02	2.17E-03	1.29E-02	pCi/m3
7D1 Avila Gate(568227010) - AP	22-Jan-22	BETA	6.06E-02	2.05E-03	1.23E-02	pCi/m3
7D1 Avila Gate(568938010) - AP	29-Jan-22	BETA	6.99E-02	2.15E-03	1.23E-02	pCi/m3
7D1 Avila Gate(569539010) - AP	5-Feb-22	BETA	5.55E-02	2.16E-03	1.19E-02	pCi/m3
7D1 Avila Gate(570262010) - AP	12-Feb-22	BETA	4.96E-02	1.95E-03	1.17E-02	pCi/m3

2022 DCPP REMP Analysis Results

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7D1 Avila Gate(571004010) - AP	19-Feb-22	BETA	1.92E-02	1.91E-03	1.09E-02	pCi/m3
7D1 Avila Gate(571634010) - AP	26-Feb-22	BETA	4.37E-02	1.97E-03	1.17E-02	pCi/m3
7D1 Avila Gate(572314010) - AP	5-Mar-22	BETA	2.66E-02	2.01E-03	1.10E-02	pCi/m3
7D1 Avila Gate(573048010) - AP	12-Mar-22	BETA	2.51E-02	2.06E-03	1.14E-02	pCi/m3
7D1 Avila Gate(573818010) - AP	19-Mar-22	BETA	2.24E-02	2.01E-03	1.03E-02	pCi/m3
7D1 Avila Gate(574546010) - AP	26-Mar-22	BETA	1.25E-02	2.51E-03	1.19E-02	pCi/m3
7D1 Avila Gate(575139010) - AP	1-Apr-22	BETA	1.59E-02	2.08E-03	1.13E-02	pCi/m3
7D1 Avila Gate(576098010) - AP	9-Apr-22	BETA	2.46E-02	2.06E-03	9.93E-03	pCi/m3
7D1 Avila Gate(576843010) - AP	16-Apr-22	BETA	1.78E-02	2.23E-03	1.28E-02	pCi/m3
7D1 Avila Gate(577602010) - AP	23-Apr-22	BETA	1.37E-02	2.26E-03	1.21E-02	pCi/m3
7D1 Avila Gate(578404010) - AP	30-Apr-22	BETA	1.47E-02	2.24E-03	1.31E-02	pCi/m3
7D1 Avila Gate(579259010) - AP	7-May-22	BETA	8.02E-03	2.09E-03	1.21E-02	pCi/m3
7D1 Avila Gate(580040010) - AP	14-May-22	BETA	1.10E-02	2.08E-03	1.18E-02	pCi/m3
7D1 Avila Gate(580687010) - AP	21-May-22	BETA	1.38E-02	2.26E-03	1.23E-02	pCi/m3
7D1 Avila Gate(581376010) - AP	28-May-22	BETA	1.25E-02	2.04E-03	1.07E-02	pCi/m3
7D1 Avila Gate(581941010) - AP	4-Jun-22	BETA	9.02E-03	1.89E-03	7.52E-03	pCi/m3
7D1 Avila Gate(582794004) - AP	11-Jun-22	BETA	8.85E-03	1.64E-03	7.57E-03	pCi/m3
7D1 Avila Gate(583529010) - AP	18-Jun-22	BETA	8.88E-03	1.66E-03	8.70E-03	pCi/m3
7D1 Avila Gate(584143010) - AP	25-Jun-22	BETA	9.35E-03	1.64E-03	8.65E-03	pCi/m3
7D1 Avila Gate(584817010) - AP	2-Jul-22	BETA	4.65E-03	1.67E-03	9.43E-03	pCi/m3
7D1 Avila Gate(585549010) - AP	9-Jul-22	BETA	2.19E-03	1.84E-03	9.30E-03	pCi/m3
7D1 Avila Gate(586338004) - AP	16-Jul-22	BETA	7.09E-03	1.58E-03	8.03E-03	pCi/m3
7D1 Avila Gate(587150005) - AP	23-Jul-22	BETA	6.34E-03	1.60E-03	7.84E-03	pCi/m3
7D1 Avila Gate(587893005) - AP	30-Jul-22	BETA	6.45E-03	1.61E-03	8.28E-03	pCi/m3
7D1 Avila Gate(588815010) - AP	6-Aug-22	BETA	9.92E-03	1.57E-03	8.42E-03	pCi/m3
7D1 Avila Gate(589626010) - AP	13-Aug-22	BETA	8.62E-03	1.61E-03	8.62E-03	pCi/m3
7D1 Avila Gate(590530010) - AP	20-Aug-22	BETA	2.61E-03	1.64E-03	9.24E-03	pCi/m3
7D1 Avila Gate(591268010) - AP	27-Aug-22	BETA	1.09E-02	1.62E-03	8.49E-03	pCi/m3
7D1 Avila Gate(592024010) - AP	3-Sep-22	BETA	1.75E-02	1.68E-03	8.87E-03	pCi/m3
7D1 Avila Gate(592703010) - AP	10-Sep-22	BETA	1.54E-02	1.59E-03	9.16E-03	pCi/m3
7D1 Avila Gate(593600010) - AP	17-Sep-22	BETA	9.09E-03	1.66E-03	9.02E-03	pCi/m3
7D1 Avila Gate(594424010) - AP	24-Sep-22	BETA	2.58E-02	1.60E-03	9.23E-03	pCi/m3
7D1 Avila Gate(594985010) - AP	1-Oct-22	BETA	1.84E-02	1.60E-03	9.30E-03	pCi/m3
7D1 Avila Gate(596161010) - AP	8-Oct-22	BETA	1.86E-02	1.58E-03	9.06E-03	pCi/m3
7D1 Avila Gate(597071010) - AP	15-Oct-22	BETA	3.31E-02	1.59E-03	8.86E-03	pCi/m3
7D1 Avila Gate(597930010) - AP	22-Oct-22	BETA	3.57E-02	1.86E-03	1.06E-02	pCi/m3
7D1 Avila Gate(598809010) - AP	29-Oct-22	BETA	2.41E-02	1.38E-03	7.87E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7D1 Avila Gate(599710010) - AP	5-Nov-22	BETA	1.02E-02	1.81E-03	8.87E-03	pCi/m3
7D1 Avila Gate(600682010) - AP	12-Nov-22	BETA	2.43E-02	1.61E-03	8.90E-03	pCi/m3
7D1 Avila Gate(601451010) - AP	19-Nov-22	BETA	6.76E-02	1.79E-03	1.06E-02	pCi/m3
7D1 Avila Gate(602126010) - AP	26-Nov-22	BETA	5.37E-02	1.37E-03	8.56E-03	pCi/m3
7D1 Avila Gate(602817010) - AP	4-Dec-22	BETA	8.17E-03	1.53E-03	8.58E-03	pCi/m3
7D1 Avila Gate(603772006) - AP	12-Dec-22	BETA	1.25E-02	1.63E-03	8.64E-03	pCi/m3
7D1 Avila Gate(604614010) - AP	18-Dec-22	BETA	5.81E-02	1.60E-03	9.73E-03	pCi/m3
7D1 Avila Gate(605326010) - AP	25-Dec-22	BETA	2.83E-02	1.72E-03	9.08E-03	pCi/m3
7D1 Avila Gate(576874004) - AP	12-Feb-22	Cesium-134	8.03E-05	4.74E-04	2.73E-04	pCi/m3
7D1 Avila Gate(586704004) - AP	14-May-22	Cesium-134	2.51E-04	6.89E-04	3.86E-04	pCi/m3
7D1 Avila Gate(599942004) - AP	13-Aug-22	Cesium-134	-1.16E-04	3.79E-04	2.56E-04	pCi/m3
7D1 Avila Gate(609523004) - AP	13-Nov-22	Cesium-134	-3.82E-05	4.10E-04	2.59E-04	pCi/m3
7D1 Avila Gate(576874004) - AP	12-Feb-22	Cesium-137	2.23E-04	4.79E-04	2.68E-04	pCi/m3
7D1 Avila Gate(586704004) - AP	14-May-22	Cesium-137	9.04E-05	6.41E-04	3.75E-04	pCi/m3
7D1 Avila Gate(599942004) - AP	13-Aug-22	Cesium-137	1.87E-05	3.78E-04	2.24E-04	pCi/m3
7D1 Avila Gate(609523004) - AP	13-Nov-22	Cesium-137	9.20E-05	3.47E-04	1.96E-04	pCi/m3
8S1 Target Range - Air Cartridge						
8S1 Target Range(566170011) - AC	1-Jan-22	Iodine-131	2.80E-03	1.08E-02	5.86E-03	pCi/m3
8S1 Target Range(566823011) - AC	8-Jan-22	Iodine-131	-8.83E-03	1.18E-02	9.40E-03	pCi/m3
8S1 Target Range(567644011) - AC	15-Jan-22	Iodine-131	-1.68E-03	1.21E-02	7.27E-03	pCi/m3
8S1 Target Range(568227011) - AC	22-Jan-22	Iodine-131	-1.07E-03	8.23E-03	4.98E-03	pCi/m3
8S1 Target Range(568938011) - AC	29-Jan-22	Iodine-131	-5.51E-04	6.29E-03	3.71E-03	pCi/m3
8S1 Target Range(569539011) - AC	5-Feb-22	Iodine-131	-5.06E-03	7.86E-03	6.01E-03	pCi/m3
8S1 Target Range(570262011) - AC	12-Feb-22	Iodine-131	-2.09E-04	9.27E-03	5.49E-03	pCi/m3
8S1 Target Range(571004011) - AC	19-Feb-22	Iodine-131	2.55E-03	6.60E-03	4.03E-03	pCi/m3
8S1 Target Range(571634011) - AC	26-Feb-22	Iodine-131	-1.47E-03	6.55E-03	4.18E-03	pCi/m3
8S1 Target Range(572314011) - AC	5-Mar-22	Iodine-131	8.79E-03	8.79E-03	9.91E-03	pCi/m3
8S1 Target Range(573048011) - AC	12-Mar-22	Iodine-131	2.11E-03	1.27E-02	7.36E-03	pCi/m3
8S1 Target Range(573818011) - AC	19-Mar-22	Iodine-131	1.63E-04	1.13E-02	6.51E-03	pCi/m3
8S1 Target Range(574546011) - AC	26-Mar-22	Iodine-131	1.83E-03	1.18E-02	6.71E-03	pCi/m3
8S1 Target Range(576098011) - AC	9-Apr-22	Iodine-131	1.87E-03	7.99E-03	4.66E-03	pCi/m3
8S1 Target Range(576843011) - AC	16-Apr-22	Iodine-131	7.51E-05	1.06E-02	6.19E-03	pCi/m3
8S1 Target Range(577602011) - AC	23-Apr-22	Iodine-131	2.93E-03	1.03E-02	5.99E-03	pCi/m3
8S1 Target Range(578404011) - AC	30-Apr-22	Iodine-131	1.09E-03	9.46E-03	5.63E-03	pCi/m3
8S1 Target Range(579259011) - AC	7-May-22	Iodine-131	-9.45E-04	1.07E-02	6.40E-03	pCi/m3
8S1 Target Range(580040011) - AC	14-May-22	Iodine-131	1.99E-03	1.17E-02	6.51E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S1 Target Range(580687011) - AC	21-May-22	Iodine-131	-1.17E-03	8.68E-03	5.35E-03	pCi/m3
8S1 Target Range(581376011) - AC	28-May-22	Iodine-131	9.42E-03	2.29E-02	1.27E-02	pCi/m3
8S1 Target Range(581941011) - AC	4-Jun-22	Iodine-131	1.63E-03	9.60E-03	5.39E-03	pCi/m3
8S1 Target Range(582794007) - AC	11-Jun-22	Iodine-131	-2.11E-03	7.61E-03	5.89E-03	pCi/m3
8S1 Target Range(583529011) - AC	18-Jun-22	Iodine-131	4.95E-03	1.61E-02	9.17E-03	pCi/m3
8S1 Target Range(584143011) - AC	25-Jun-22	Iodine-131	4.28E-03	1.21E-02	8.02E-03	pCi/m3
8S1 Target Range(584817011) - AC	2-Jul-22	Iodine-131	2.34E-03	1.48E-02	8.28E-03	pCi/m3
8S1 Target Range(585549011) - AC	9-Jul-22	Iodine-131	5.44E-03	1.80E-02	1.02E-02	pCi/m3
8S1 Target Range(586338009) - AC	16-Jul-22	Iodine-131	-9.72E-04	7.35E-03	4.49E-03	pCi/m3
8S1 Target Range(587150012) - AC	23-Jul-22	Iodine-131	3.25E-03	1.39E-02	7.56E-03	pCi/m3
8S1 Target Range(587893013) - AC	30-Jul-22	Iodine-131	-2.92E-03	1.19E-02	7.62E-03	pCi/m3
8S1 Target Range(588815011) - AC	6-Aug-22	Iodine-131	-3.72E-03	9.32E-03	6.61E-03	pCi/m3
8S1 Target Range(589626011) - AC	13-Aug-22	Iodine-131	-1.18E-03	8.64E-03	5.27E-03	pCi/m3
8S1 Target Range(590530011) - AC	21-Aug-22	Iodine-131	6.84E-03	1.64E-02	9.07E-03	pCi/m3
8S1 Target Range(591268011) - AC	28-Aug-22	Iodine-131	3.26E-04	1.54E-02	8.98E-03	pCi/m3
8S1 Target Range(592024011) - AC	3-Sep-22	Iodine-131	1.11E-03	8.92E-03	5.12E-03	pCi/m3
8S1 Target Range(592703011) - AC	10-Sep-22	Iodine-131	-7.72E-03	8.72E-03	7.57E-03	pCi/m3
8S1 Target Range(593600011) - AC	17-Sep-22	Iodine-131	2.85E-04	1.05E-02	6.13E-03	pCi/m3
8S1 Target Range(594424011) - AC	25-Sep-22	Iodine-131	-4.83E-03	1.10E-02	7.60E-03	pCi/m3
8S1 Target Range(594985011) - AC	1-Oct-22	Iodine-131	8.14E-03	1.87E-02	1.10E-02	pCi/m3
8S1 Target Range(596161011) - AC	8-Oct-22	Iodine-131	5.50E-03	2.77E-02	1.54E-02	pCi/m3
8S1 Target Range(597071011) - AC	15-Oct-22	Iodine-131	-6.70E-03	1.07E-02	8.08E-03	pCi/m3
8S1 Target Range(597930011) - AC	22-Oct-22	Iodine-131	-2.35E-03	1.62E-02	9.99E-03	pCi/m3
8S1 Target Range(598809011) - AC	29-Oct-22	Iodine-131	9.91E-04	1.19E-02	7.98E-03	pCi/m3
8S1 Target Range(599710011) - AC	5-Nov-22	Iodine-131	-8.52E-04	8.66E-03	5.30E-03	pCi/m3
8S1 Target Range(600682011) - AC	12-Nov-22	Iodine-131	-4.51E-03	2.21E-02	1.40E-02	pCi/m3
8S1 Target Range(601451011) - AC	19-Nov-22	Iodine-131	9.56E-03	1.67E-02	9.28E-03	pCi/m3
8S1 Target Range(602126011) - AC	26-Nov-22	Iodine-131	-2.11E-03	1.27E-02	8.13E-03	pCi/m3
8S1 Target Range(602817011) - AC	4-Dec-22	Iodine-131	-1.41E-03	9.90E-03	6.07E-03	pCi/m3
8S1 Target Range(603772010) - AC	12-Dec-22	Iodine-131	1.51E-03	2.51E-02	1.44E-02	pCi/m3
8S1 Target Range(604614011) - AC	19-Dec-22	Iodine-131	-1.87E-04	2.18E-02	1.34E-02	pCi/m3
8S1 Target Range(605326011) - AC	26-Dec-22	Iodine-131	-8.10E-03	1.78E-02	1.25E-02	pCi/m3

8S1 Target Range - Air Carbon-14

8S1 Target Range(566170013) - AC14	1-Jan-22	Carbon-14	-1.72E-07	3.64E-07	2.12E-07	uCi/m3
8S1 Target Range(566823013) - AC14	8-Jan-22	Carbon-14	-1.59E-08	2.59E-07	1.54E-07	uCi/m3
8S1 Target Range(567644013) - AC14	15-Jan-22	Carbon-14	1.94E-09	2.77E-07	1.65E-07	uCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S1 Target Range(568227013) - AC14	22-Jan-22	Carbon-14	4.89E-08	2.57E-07	1.55E-07	uCi/m3
8S1 Target Range(568938013) - AC14	29-Jan-22	Carbon-14	-2.18E-07	3.11E-07	1.79E-07	uCi/m3
8S1 Target Range(569539013) - AC14	5-Feb-22	Carbon-14	-1.63E-07	3.50E-07	2.04E-07	uCi/m3
8S1 Target Range(570262013) - AC14	12-Feb-22	Carbon-14	2.50E-08	2.98E-07	1.78E-07	uCi/m3
8S1 Target Range(571004013) - AC14	19-Feb-22	Carbon-14	-1.23E-07	2.68E-07	1.56E-07	uCi/m3
8S1 Target Range(571634013) - AC14	26-Feb-22	Carbon-14	1.27E-07	2.97E-07	1.82E-07	uCi/m3
8S1 Target Range(572314013) - AC14	5-Mar-22	Carbon-14	7.86E-08	2.40E-07	1.46E-07	uCi/m3
8S1 Target Range(573048013) - AC14	12-Mar-22	Carbon-14	-6.14E-08	2.60E-07	1.52E-07	uCi/m3
8S1 Target Range(573818013) - AC14	19-Mar-22	Carbon-14	-8.58E-08	2.49E-07	1.46E-07	uCi/m3
8S1 Target Range(574546013) - AC14	26-Mar-22	Carbon-14	-6.68E-08	3.67E-07	2.16E-07	uCi/m3
8S1 Target Range(575139013) - AC14	2-Apr-22	Carbon-14	1.32E-08	2.99E-07	1.78E-07	uCi/m3
8S1 Target Range(576098013) - AC14	9-Apr-22	Carbon-14	-2.13E-08	2.83E-07	1.68E-07	uCi/m3
8S1 Target Range(576843013) - AC14	16-Apr-22	Carbon-14	1.10E-09	3.14E-07	1.87E-07	uCi/m3
8S1 Target Range(577602013) - AC14	23-Apr-22	Carbon-14	-2.86E-07	3.19E-07	1.84E-07	uCi/m3
8S1 Target Range(578404013) - AC14	1-May-22	Carbon-14	-2.80E-07	3.17E-07	1.83E-07	uCi/m3
8S1 Target Range(579259013) - AC14	7-May-22	Carbon-14	-8.84E-09	3.89E-07	2.32E-07	uCi/m3
8S1 Target Range(580040013) - AC14	14-May-22	Carbon-14	-1.19E-07	3.93E-07	2.30E-07	uCi/m3
8S1 Target Range(580687013) - AC14	21-May-22	Carbon-14	-1.74E-07	3.16E-07	1.84E-07	uCi/m3
8S1 Target Range(581376013) - AC14	28-May-22	Carbon-14	-7.65E-08	3.25E-07	1.91E-07	uCi/m3
8S1 Target Range(581941013) - AC14	4-Jun-22	Carbon-14	-1.20E-07	2.87E-07	1.67E-07	uCi/m3
8S1 Target Range(582794016) - AC14	11-Jun-22	Carbon-14	-6.32E-08	3.01E-07	1.77E-07	uCi/m3
8S1 Target Range(583529013) - AC14	18-Jun-22	Carbon-14	5.54E-08	2.77E-07	1.67E-07	uCi/m3
8S1 Target Range(584143013) - AC14	25-Jun-22	Carbon-14	-8.65E-08	4.63E-07	2.72E-07	uCi/m3
8S1 Target Range(584817013) - AC14	2-Jul-22	Carbon-14	-1.43E-07	4.44E-07	2.59E-07	uCi/m3
8S1 Target Range(585549013) - AC14	9-Jul-22	Carbon-14	-2.65E-07	4.50E-07	2.58E-07	uCi/m3
8S1 Target Range(586338018) - AC14	16-Jul-22	Carbon-14	-1.71E-07	5.05E-07	2.94E-07	uCi/m3
8S1 Target Range(587150014) - AC14	23-Jul-22	Carbon-14	3.28E-09	5.19E-07	3.10E-07	uCi/m3
8S1 Target Range(587893010) - AC14	30-Jul-22	Carbon-14	3.26E-07	4.21E-07	2.61E-07	uCi/m3
8S1 Target Range(588815013) - AC14	6-Aug-22	Carbon-14	1.69E-07	4.10E-07	2.50E-07	uCi/m3
8S1 Target Range(589626013) - AC14	13-Aug-22	Carbon-14	4.50E-07	4.75E-07	2.95E-07	uCi/m3
8S1 Target Range(590530013) - AC14	21-Aug-22	Carbon-14	-2.90E-07	4.78E-07	2.77E-07	uCi/m3
8S1 Target Range(591268013) - AC14	28-Aug-22	Carbon-14	-2.24E-07	4.72E-07	2.74E-07	uCi/m3
8S1 Target Range(592024013) - AC14	3-Sep-22	Carbon-14	-4.38E-08	5.13E-07	3.05E-07	uCi/m3
8S1 Target Range(592703013) - AC14	10-Sep-22	Carbon-14	-2.55E-08	3.72E-07	2.21E-07	uCi/m3
8S1 Target Range(593600013) - AC14	17-Sep-22	Carbon-14	-4.77E-07	5.66E-07	3.15E-07	uCi/m3
8S1 Target Range(594424013) - AC14	25-Sep-22	Carbon-14	5.17E-08	4.69E-07	2.81E-07	uCi/m3
8S1 Target Range(594985013) - AC14	1-Oct-22	Carbon-14	-9.48E-08	4.58E-07	2.70E-07	uCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S1 Target Range(596161013) - AC14	8-Oct-22	Carbon-14	6.94E-08	3.23E-07	1.94E-07	uCi/m3
8S1 Target Range(597071013) - AC14	15-Oct-22	Carbon-14	-5.04E-08	3.05E-07	1.81E-07	uCi/m3
8S1 Target Range(597930013) - AC14	22-Oct-22	Carbon-14	-4.32E-08	3.87E-07	2.30E-07	uCi/m3
8S1 Target Range(598809013) - AC14	29-Oct-22	Carbon-14	-1.58E-08	2.74E-07	1.63E-07	uCi/m3
8S1 Target Range(599710013) - AC14	5-Nov-22	Carbon-14	-5.23E-08	3.73E-07	2.21E-07	uCi/m3
8S1 Target Range(600682013) - AC14	12-Nov-22	Carbon-14	-1.24E-07	3.58E-07	2.11E-07	uCi/m3
8S1 Target Range(601451013) - AC14	19-Nov-22	Carbon-14	-1.05E-07	5.46E-07	3.22E-07	uCi/m3
8S1 Target Range(602126013) - AC14	26-Nov-22	Carbon-14	-8.26E-08	3.91E-07	2.31E-07	uCi/m3
8S1 Target Range(602817013) - AC14	4-Dec-22	Carbon-14	-1.10E-07	3.91E-07	2.30E-07	uCi/m3
8S1 Target Range(603772018) - AC14	12-Dec-22	Carbon-14	-2.46E-07	4.67E-07	2.70E-07	uCi/m3
8S1 Target Range(604614013) - AC14	19-Dec-22	Carbon-14	-2.65E-08	4.64E-07	2.76E-07	uCi/m3
8S1 Target Range(605326013) - AC14	26-Dec-22	Carbon-14	-2.12E-07	4.49E-07	2.61E-07	uCi/m3

8S1 Target Range - Air Particulate

8S1 Target Range(566170012) - AP	1-Jan-22	BETA	1.81E-02	2.35E-03	1.22E-02	pCi/m3
8S1 Target Range(566823012) - AP	8-Jan-22	BETA	2.57E-02	1.93E-03	9.79E-03	pCi/m3
8S1 Target Range(567644012) - AP	15-Jan-22	BETA	4.88E-02	2.20E-03	1.29E-02	pCi/m3
8S1 Target Range(568227012) - AP	22-Jan-22	BETA	5.47E-02	2.06E-03	1.23E-02	pCi/m3
8S1 Target Range(568938012) - AP	29-Jan-22	BETA	7.62E-02	2.23E-03	1.25E-02	pCi/m3
8S1 Target Range(569539012) - AP	5-Feb-22	BETA	4.85E-02	2.18E-03	1.20E-02	pCi/m3
8S1 Target Range(570262012) - AP	12-Feb-22	BETA	4.59E-02	2.47E-03	1.19E-02	pCi/m3
8S1 Target Range(571004012) - AP	19-Feb-22	BETA	1.80E-02	1.90E-03	1.08E-02	pCi/m3
8S1 Target Range(571634012) - AP	26-Feb-22	BETA	3.66E-02	2.38E-03	1.16E-02	pCi/m3
8S1 Target Range(572314012) - AP	5-Mar-22	BETA	2.97E-02	1.91E-03	1.11E-02	pCi/m3
8S1 Target Range(573048012) - AP	12-Mar-22	BETA	2.21E-02	2.00E-03	1.15E-02	pCi/m3
8S1 Target Range(573818012) - AP	19-Mar-22	BETA	1.52E-02	2.05E-03	1.04E-02	pCi/m3
8S1 Target Range(574546012) - AP	26-Mar-22	BETA	1.02E-02	2.36E-03	1.18E-02	pCi/m3
8S1 Target Range(576098012) - AP	9-Apr-22	BETA	2.11E-02	1.80E-03	9.88E-03	pCi/m3
8S1 Target Range(576843012) - AP	16-Apr-22	BETA	1.75E-02	2.19E-03	1.27E-02	pCi/m3
8S1 Target Range(577602012) - AP	23-Apr-22	BETA	1.01E-02	2.13E-03	1.21E-02	pCi/m3
8S1 Target Range(578404012) - AP	30-Apr-22	BETA	1.29E-02	2.10E-03	1.19E-02	pCi/m3
8S1 Target Range(579259012) - AP	7-May-22	BETA	7.45E-03	2.10E-03	1.22E-02	pCi/m3
8S1 Target Range(580040012) - AP	14-May-22	BETA	7.64E-03	2.06E-03	1.19E-02	pCi/m3
8S1 Target Range(580687012) - AP	21-May-22	BETA	1.33E-02	2.20E-03	1.25E-02	pCi/m3
8S1 Target Range(581376012) - AP	28-May-22	BETA	1.53E-02	2.21E-03	1.11E-02	pCi/m3
8S1 Target Range(581941012) - AP	4-Jun-22	BETA	7.08E-03	1.61E-03	7.38E-03	pCi/m3
8S1 Target Range(582794008) - AP	11-Jun-22	BETA	8.84E-03	1.97E-03	7.78E-03	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S1 Target Range(583529012) - AP	18-Jun-22	BETA	6.66E-03	1.93E-03	8.68E-03	pCi/m3
8S1 Target Range(584143012) - AP	25-Jun-22	BETA	7.51E-03	1.67E-03	8.70E-03	pCi/m3
8S1 Target Range(584817012) - AP	2-Jul-22	BETA	4.44E-03	1.60E-03	9.56E-03	pCi/m3
8S1 Target Range(585549012) - AP	9-Jul-22	BETA	3.96E-03	1.70E-03	9.60E-03	pCi/m3
8S1 Target Range(586338010) - AP	16-Jul-22	BETA	5.08E-03	1.69E-03	8.27E-03	pCi/m3
8S1 Target Range(587150013) - AP	23-Jul-22	BETA	7.02E-03	1.98E-03	8.14E-03	pCi/m3
8S1 Target Range(587893014) - AP	30-Jul-22	BETA	2.55E-03	1.97E-03	8.55E-03	pCi/m3
8S1 Target Range(588815012) - AP	6-Aug-22	BETA	7.69E-03	1.64E-03	8.55E-03	pCi/m3
8S1 Target Range(589626012) - AP	13-Aug-22	BETA	7.08E-03	1.98E-03	8.92E-03	pCi/m3
8S1 Target Range(590530012) - AP	21-Aug-22	BETA	2.34E-03	1.62E-03	9.26E-03	pCi/m3
8S1 Target Range(591268012) - AP	28-Aug-22	BETA	8.57E-03	1.94E-03	8.46E-03	pCi/m3
8S1 Target Range(592024012) - AP	3-Sep-22	BETA	1.97E-02	1.72E-03	9.19E-03	pCi/m3
8S1 Target Range(592703012) - AP	10-Sep-22	BETA	1.47E-02	1.64E-03	8.99E-03	pCi/m3
8S1 Target Range(593600012) - AP	17-Sep-22	BETA	8.58E-03	1.57E-03	8.95E-03	pCi/m3
8S1 Target Range(594424012) - AP	25-Sep-22	BETA	2.34E-02	1.79E-03	9.10E-03	pCi/m3
8S1 Target Range(594985012) - AP	1-Oct-22	BETA	1.67E-02	1.65E-03	9.35E-03	pCi/m3
8S1 Target Range(596161012) - AP	8-Oct-22	BETA	1.84E-02	1.61E-03	8.99E-03	pCi/m3
8S1 Target Range(597071012) - AP	15-Oct-22	BETA	3.36E-02	1.77E-03	8.82E-03	pCi/m3
8S1 Target Range(597930012) - AP	22-Oct-22	BETA	3.58E-02	1.93E-03	1.06E-02	pCi/m3
8S1 Target Range(598809012) - AP	29-Oct-22	BETA	2.32E-02	1.40E-03	7.77E-03	pCi/m3
8S1 Target Range(599710012) - AP	5-Nov-22	BETA	8.88E-03	1.65E-03	9.39E-03	pCi/m3
8S1 Target Range(600682012) - AP	12-Nov-22	BETA	2.31E-02	1.66E-03	9.07E-03	pCi/m3
8S1 Target Range(601451012) - AP	19-Nov-22	BETA	5.96E-02	1.83E-03	1.07E-02	pCi/m3
8S1 Target Range(602126012) - AP	26-Nov-22	BETA	5.22E-02	1.42E-03	8.73E-03	pCi/m3
8S1 Target Range(602817012) - AP	4-Dec-22	BETA	8.58E-03	1.43E-03	8.08E-03	pCi/m3
8S1 Target Range(603772009) - AP	12-Dec-22	BETA	9.31E-03	1.68E-03	8.71E-03	pCi/m3
8S1 Target Range(604614012) - AP	19-Dec-22	BETA	5.55E-02	1.71E-03	9.71E-03	pCi/m3
8S1 Target Range(605326012) - AP	26-Dec-22	BETA	2.51E-02	1.62E-03	9.09E-03	pCi/m3
8S1 Target Range(576874005) - AP	12-Feb-22	Cesium-134	9.64E-05	5.82E-04	3.22E-04	pCi/m3
8S1 Target Range(586704005) - AP	17-May-22	Cesium-134	-1.99E-04	4.20E-04	2.98E-04	pCi/m3
8S1 Target Range(599942005) - AP	13-Aug-22	Cesium-134	-7.63E-05	2.54E-04	1.77E-04	pCi/m3
8S1 Target Range(609523005) - AP	13-Nov-22	Cesium-134	3.75E-05	4.35E-04	2.61E-04	pCi/m3
8S1 Target Range(576874005) - AP	12-Feb-22	Cesium-137	-2.29E-04	4.58E-04	3.37E-04	pCi/m3
8S1 Target Range(586704005) - AP	17-May-22	Cesium-137	1.51E-04	2.98E-04	3.54E-04	pCi/m3
8S1 Target Range(599942005) - AP	13-Aug-22	Cesium-137	2.39E-05	2.49E-04	1.45E-04	pCi/m3
8S1 Target Range(609523005) - AP	13-Nov-22	Cesium-137	3.25E-04	3.25E-04	4.53E-04	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S2 SW Site Boundary - Air Cartridge						
8S2 SW Site Boundary(566170014) - AC	1-Jan-22	Iodine-131	2.01E-03	9.93E-03	5.47E-03	pCi/m3
8S2 SW Site Boundary(566823014) - AC	8-Jan-22	Iodine-131	4.01E-03	9.63E-03	5.28E-03	pCi/m3
8S2 SW Site Boundary(567644014) - AC	15-Jan-22	Iodine-131	2.97E-03	1.09E-02	6.05E-03	pCi/m3
8S2 SW Site Boundary(568227014) - AC	22-Jan-22	Iodine-131	-1.51E-03	8.80E-03	5.64E-03	pCi/m3
8S2 SW Site Boundary(568938014) - AC	29-Jan-22	Iodine-131	5.18E-03	8.89E-03	5.01E-03	pCi/m3
8S2 SW Site Boundary(569539014) - AC	5-Feb-22	Iodine-131	-1.13E-03	1.26E-02	7.73E-03	pCi/m3
8S2 SW Site Boundary(570262014) - AC	12-Feb-22	Iodine-131	1.67E-05	1.12E-02	7.46E-03	pCi/m3
8S2 SW Site Boundary(571004014) - AC	19-Feb-22	Iodine-131	2.60E-04	1.50E-02	8.60E-03	pCi/m3
8S2 SW Site Boundary(571634014) - AC	26-Feb-22	Iodine-131	-1.07E-03	9.82E-03	5.82E-03	pCi/m3
8S2 SW Site Boundary(572314014) - AC	5-Mar-22	Iodine-131	-9.70E-03	1.15E-02	1.10E-02	pCi/m3
8S2 SW Site Boundary(573048014) - AC	12-Mar-22	Iodine-131	-2.94E-04	1.26E-02	7.45E-03	pCi/m3
8S2 SW Site Boundary(573818014) - AC	19-Mar-22	Iodine-131	-2.65E-03	9.55E-03	6.14E-03	pCi/m3
8S2 SW Site Boundary(574546014) - AC	26-Mar-22	Iodine-131	-1.79E-03	1.01E-02	6.50E-03	pCi/m3
8S2 SW Site Boundary(575139014) - AC	1-Apr-22	Iodine-131	-7.83E-04	1.16E-02	6.78E-03	pCi/m3
8S2 SW Site Boundary(576098014) - AC	9-Apr-22	Iodine-131	5.64E-04	5.46E-03	3.01E-03	pCi/m3
8S2 SW Site Boundary(576843014) - AC	16-Apr-22	Iodine-131	-2.86E-05	1.07E-02	6.43E-03	pCi/m3
8S2 SW Site Boundary(577602014) - AC	23-Apr-22	Iodine-131	1.10E-03	8.89E-03	4.98E-03	pCi/m3
8S2 SW Site Boundary(578404014) - AC	30-Apr-22	Iodine-131	-5.03E-04	8.06E-03	4.78E-03	pCi/m3
8S2 SW Site Boundary(579259014) - AC	7-May-22	Iodine-131	-4.21E-03	1.22E-02	8.33E-03	pCi/m3
8S2 SW Site Boundary(580040014) - AC	14-May-22	Iodine-131	2.80E-03	2.02E-02	1.13E-02	pCi/m3
8S2 SW Site Boundary(580687014) - AC	21-May-22	Iodine-131	-3.52E-03	6.92E-03	5.85E-03	pCi/m3
8S2 SW Site Boundary(581376014) - AC	28-May-22	Iodine-131	-1.08E-02	1.98E-02	1.61E-02	pCi/m3
8S2 SW Site Boundary(581941014) - AC	4-Jun-22	Iodine-131	-5.93E-04	1.07E-02	6.64E-03	pCi/m3
8S2 SW Site Boundary(582794005) - AC	11-Jun-22	Iodine-131	7.10E-06	9.05E-03	5.23E-03	pCi/m3
8S2 SW Site Boundary(583529014) - AC	18-Jun-22	Iodine-131	4.38E-03	1.69E-02	9.30E-03	pCi/m3
8S2 SW Site Boundary(584143014) - AC	25-Jun-22	Iodine-131	-1.49E-03	1.13E-02	6.89E-03	pCi/m3
8S2 SW Site Boundary(584817014) - AC	2-Jul-22	Iodine-131	2.40E-03	1.35E-02	7.89E-03	pCi/m3
8S2 SW Site Boundary(585549014) - AC	9-Jul-22	Iodine-131	1.36E-03	1.46E-02	8.16E-03	pCi/m3
8S2 SW Site Boundary(586338005) - AC	16-Jul-22	Iodine-131	-1.19E-04	7.12E-03	4.17E-03	pCi/m3
8S2 SW Site Boundary(587150008) - AC	23-Jul-22	Iodine-131	2.39E-03	1.20E-02	6.53E-03	pCi/m3
8S2 SW Site Boundary(587893008) - AC	30-Jul-22	Iodine-131	1.95E-03	9.67E-03	5.20E-03	pCi/m3
8S2 SW Site Boundary(588815014) - AC	6-Aug-22	Iodine-131	-6.15E-03	1.79E-02	1.33E-02	pCi/m3
8S2 SW Site Boundary(589626014) - AC	13-Aug-22	Iodine-131	-7.56E-04	1.01E-02	6.00E-03	pCi/m3
8S2 SW Site Boundary(590530014) - AC	20-Aug-22	Iodine-131	-1.49E-03	1.99E-02	1.31E-02	pCi/m3
8S2 SW Site Boundary(591268014) - AC	27-Aug-22	Iodine-131	1.66E-02	1.66E-02	1.91E-02	pCi/m3
8S2 SW Site Boundary(592024014) - AC	3-Sep-22	Iodine-131	2.07E-03	1.18E-02	6.59E-03	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S2 SW Site Boundary(592703014) - AC	10-Sep-22	Iodine-131	-8.55E-03	1.27E-02	9.99E-03	pCi/m3
8S2 SW Site Boundary(593600014) - AC	17-Sep-22	Iodine-131	2.27E-03	1.09E-02	6.42E-03	pCi/m3
8S2 SW Site Boundary(594424014) - AC	24-Sep-22	Iodine-131	-5.05E-03	1.04E-02	7.49E-03	pCi/m3
8S2 SW Site Boundary(594985014) - AC	1-Oct-22	Iodine-131	-6.90E-03	1.37E-02	9.61E-03	pCi/m3
8S2 SW Site Boundary(596161014) - AC	8-Oct-22	Iodine-131	8.56E-04	2.15E-02	1.27E-02	pCi/m3
8S2 SW Site Boundary(597071014) - AC	15-Oct-22	Iodine-131	-5.70E-04	1.21E-02	7.07E-03	pCi/m3
8S2 SW Site Boundary(597930014) - AC	22-Oct-22	Iodine-131	5.15E-03	1.80E-02	1.02E-02	pCi/m3
8S2 SW Site Boundary(598809014) - AC	29-Oct-22	Iodine-131	2.07E-03	1.28E-02	7.08E-03	pCi/m3
8S2 SW Site Boundary(599710014) - AC	5-Nov-22	Iodine-131	8.56E-04	9.17E-03	5.20E-03	pCi/m3
8S2 SW Site Boundary(600682014) - AC	12-Nov-22	Iodine-131	-4.19E-03	2.09E-02	1.36E-02	pCi/m3
8S2 SW Site Boundary(601451014) - AC	19-Nov-22	Iodine-131	-5.28E-03	1.50E-02	1.01E-02	pCi/m3
8S2 SW Site Boundary(602126014) - AC	26-Nov-22	Iodine-131	-2.05E-03	1.21E-02	7.56E-03	pCi/m3
8S2 SW Site Boundary(602817014) - AC	4-Dec-22	Iodine-131	2.70E-03	1.15E-02	6.75E-03	pCi/m3
8S2 SW Site Boundary(603772007) - AC	12-Dec-22	Iodine-131	9.63E-03	2.16E-02	1.18E-02	pCi/m3
8S2 SW Site Boundary(604614014) - AC	18-Dec-22	Iodine-131	3.50E-04	1.86E-02	1.06E-02	pCi/m3
8S2 SW Site Boundary(605326014) - AC	25-Dec-22	Iodine-131	-2.19E-03	1.87E-02	1.13E-02	pCi/m3

8S2 SW Site Boundary - Air Particulate

8S2 SW Site Boundary(566170015) - AP	1-Jan-22	BETA	1.83E-02	2.42E-03	1.21E-02	pCi/m3
8S2 SW Site Boundary(566823015) - AP	8-Jan-22	BETA	2.46E-02	1.79E-03	9.50E-03	pCi/m3
8S2 SW Site Boundary(567644015) - AP	15-Jan-22	BETA	5.63E-02	2.24E-03	1.30E-02	pCi/m3
8S2 SW Site Boundary(568227015) - AP	22-Jan-22	BETA	5.54E-02	2.07E-03	1.23E-02	pCi/m3
8S2 SW Site Boundary(568938015) - AP	29-Jan-22	BETA	7.48E-02	2.20E-03	1.24E-02	pCi/m3
8S2 SW Site Boundary(569539015) - AP	5-Feb-22	BETA	4.99E-02	2.21E-03	1.19E-02	pCi/m3
8S2 SW Site Boundary(570262015) - AP	12-Feb-22	BETA	5.17E-02	2.12E-03	1.21E-02	pCi/m3
8S2 SW Site Boundary(571004015) - AP	19-Feb-22	BETA	1.87E-02	2.37E-03	1.09E-02	pCi/m3
8S2 SW Site Boundary(571634015) - AP	26-Feb-22	BETA	4.76E-02	2.14E-03	1.19E-02	pCi/m3
8S2 SW Site Boundary(572314015) - AP	5-Mar-22	BETA	2.54E-02	2.31E-03	1.11E-02	pCi/m3
8S2 SW Site Boundary(573048015) - AP	12-Mar-22	BETA	2.15E-02	2.08E-03	1.15E-02	pCi/m3
8S2 SW Site Boundary(573818015) - AP	19-Mar-22	BETA	1.56E-02	2.06E-03	1.02E-02	pCi/m3
8S2 SW Site Boundary(574546015) - AP	26-Mar-22	BETA	1.22E-02	2.30E-03	1.16E-02	pCi/m3
8S2 SW Site Boundary(575139015) - AP	1-Apr-22	BETA	1.46E-02	2.00E-03	1.08E-02	pCi/m3
8S2 SW Site Boundary(576098015) - AP	9-Apr-22	BETA	2.25E-02	1.74E-03	9.62E-03	pCi/m3
8S2 SW Site Boundary(576843015) - AP	16-Apr-22	BETA	1.51E-02	2.18E-03	1.27E-02	pCi/m3
8S2 SW Site Boundary(577602015) - AP	23-Apr-22	BETA	1.25E-02	2.01E-03	1.16E-02	pCi/m3
8S2 SW Site Boundary(578404015) - AP	30-Apr-22	BETA	1.29E-02	2.48E-03	1.18E-02	pCi/m3
8S2 SW Site Boundary(579259015) - AP	7-May-22	BETA	7.46E-03	2.06E-03	1.16E-02	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S2 SW Site Boundary(580040015) - AP	14-May-22	BETA	7.53E-03	2.02E-03	1.22E-02	pCi/m3
8S2 SW Site Boundary(580687015) - AP	21-May-22	BETA	9.61E-03	2.15E-03	1.24E-02	pCi/m3
8S2 SW Site Boundary(581376015) - AP	28-May-22	BETA	1.16E-02	2.39E-03	1.07E-02	pCi/m3
8S2 SW Site Boundary(581941015) - AP	4-Jun-22	BETA	7.36E-03	1.66E-03	7.60E-03	pCi/m3
8S2 SW Site Boundary(582794006) - AP	11-Jun-22	BETA	8.90E-03	1.69E-03	7.79E-03	pCi/m3
8S2 SW Site Boundary(583529015) - AP	18-Jun-22	BETA	7.18E-03	1.92E-03	8.66E-03	pCi/m3
8S2 SW Site Boundary(584143015) - AP	25-Jun-22	BETA	3.85E-03	1.95E-03	8.67E-03	pCi/m3
8S2 SW Site Boundary(584817015) - AP	2-Jul-22	BETA	5.44E-03	1.70E-03	9.59E-03	pCi/m3
8S2 SW Site Boundary(585549015) - AP	9-Jul-22	BETA	1.93E-03	1.61E-03	9.54E-03	pCi/m3
8S2 SW Site Boundary(586338006) - AP	16-Jul-22	BETA	4.26E-03	1.63E-03	8.08E-03	pCi/m3
8S2 SW Site Boundary(587150009) - AP	23-Jul-22	BETA	6.26E-03	1.60E-03	8.13E-03	pCi/m3
8S2 SW Site Boundary(587893009) - AP	30-Jul-22	BETA	4.37E-03	1.63E-03	8.63E-03	pCi/m3
8S2 SW Site Boundary(588815015) - AP	6-Aug-22	BETA	7.16E-03	1.96E-03	8.61E-03	pCi/m3
8S2 SW Site Boundary(589626015) - AP	13-Aug-22	BETA	7.37E-03	1.62E-03	8.56E-03	pCi/m3
8S2 SW Site Boundary(590530015) - AP	20-Aug-22	BETA	3.66E-03	1.88E-03	9.24E-03	pCi/m3
8S2 SW Site Boundary(591268015) - AP	27-Aug-22	BETA	6.91E-03	1.66E-03	8.42E-03	pCi/m3
8S2 SW Site Boundary(592024015) - AP	3-Sep-22	BETA	1.75E-02	2.05E-03	9.10E-03	pCi/m3
8S2 SW Site Boundary(592703015) - AP	10-Sep-22	BETA	1.42E-02	1.82E-03	9.08E-03	pCi/m3
8S2 SW Site Boundary(593600015) - AP	17-Sep-22	BETA	1.25E-02	1.65E-03	9.01E-03	pCi/m3
8S2 SW Site Boundary(594424015) - AP	24-Sep-22	BETA	2.50E-02	1.60E-03	8.97E-03	pCi/m3
8S2 SW Site Boundary(594985015) - AP	1-Oct-22	BETA	1.82E-02	1.82E-03	9.16E-03	pCi/m3
8S2 SW Site Boundary(596161015) - AP	8-Oct-22	BETA	1.53E-02	1.83E-03	8.99E-03	pCi/m3
8S2 SW Site Boundary(597071015) - AP	15-Oct-22	BETA	3.25E-02	1.59E-03	8.77E-03	pCi/m3
8S2 SW Site Boundary(597930015) - AP	22-Oct-22	BETA	3.55E-02	2.12E-03	1.05E-02	pCi/m3
8S2 SW Site Boundary(598809015) - AP	29-Oct-22	BETA	2.27E-02	1.61E-03	7.75E-03	pCi/m3
8S2 SW Site Boundary(599710015) - AP	5-Nov-22	BETA	9.44E-03	1.63E-03	9.42E-03	pCi/m3
8S2 SW Site Boundary(600682015) - AP	12-Nov-22	BETA	2.31E-02	1.66E-03	8.95E-03	pCi/m3
8S2 SW Site Boundary(601451015) - AP	19-Nov-22	BETA	6.81E-02	1.86E-03	1.09E-02	pCi/m3
8S2 SW Site Boundary(602126015) - AP	26-Nov-22	BETA	5.31E-02	1.38E-03	8.85E-03	pCi/m3
8S2 SW Site Boundary(602817015) - AP	4-Dec-22	BETA	7.44E-03	1.47E-03	8.19E-03	pCi/m3
8S2 SW Site Boundary(603772008) - AP	12-Dec-22	BETA	9.12E-03	1.62E-03	8.97E-03	pCi/m3
8S2 SW Site Boundary(604614015) - AP	18-Dec-22	BETA	5.79E-02	1.82E-03	9.69E-03	pCi/m3
8S2 SW Site Boundary(605326015) - AP	25-Dec-22	BETA	2.72E-02	1.58E-03	9.17E-03	pCi/m3
8S2 SW Site Boundary(576874006) - AP	12-Feb-22	Cesium-134	2.12E-04	5.32E-04	2.74E-04	pCi/m3
8S2 SW Site Boundary(586704006) - AP	14-May-22	Cesium-134	2.08E-04	5.50E-04	3.42E-04	pCi/m3
8S2 SW Site Boundary(599942006) - AP	13-Aug-22	Cesium-134	-5.68E-05	2.01E-04	1.43E-04	pCi/m3
8S2 SW Site Boundary(609523006) - AP	13-Nov-22	Cesium-134	-1.06E-04	3.20E-04	2.56E-04	pCi/m3

Air Samples

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S2 SW Site Boundary(576874006) - AP	12-Feb-22	Cesium-137	-1.57E-04	8.82E-04	4.53E-04	pCi/m3
8S2 SW Site Boundary(586704006) - AP	14-May-22	Cesium-137	-6.20E-05	3.74E-04	2.42E-04	pCi/m3
8S2 SW Site Boundary(599942006) - AP	13-Aug-22	Cesium-137	2.17E-04	2.40E-04	2.11E-04	pCi/m3
8S2 SW Site Boundary(609523006) - AP	13-Nov-22	Cesium-137	2.22E-04	2.22E-04	2.55E-04	pCi/m3
MT1 Meteorological Tower - Air Cartridge						
MT1 Meteorological Tower(566170016) - AC	1-Jan-22	Iodine-131	-2.80E-03	7.93E-03	5.22E-03	pCi/m3
MT1 Meteorological Tower(566823016) - AC	8-Jan-22	Iodine-131	-1.44E-03	1.11E-02	6.74E-03	pCi/m3
MT1 Meteorological Tower(567644016) - AC	15-Jan-22	Iodine-131	3.11E-03	1.42E-02	7.83E-03	pCi/m3
MT1 Meteorological Tower(568227016) - AC	22-Jan-22	Iodine-131	-2.44E-03	7.35E-03	4.78E-03	pCi/m3
MT1 Meteorological Tower(568938016) - AC	29-Jan-22	Iodine-131	6.74E-03	1.36E-02	7.58E-03	pCi/m3
MT1 Meteorological Tower(569539016) - AC	5-Feb-22	Iodine-131	-1.35E-04	9.06E-03	5.54E-03	pCi/m3
MT1 Meteorological Tower(570262016) - AC	12-Feb-22	Iodine-131	-2.43E-03	6.23E-03	4.38E-03	pCi/m3
MT1 Meteorological Tower(571004016) - AC	19-Feb-22	Iodine-131	-8.43E-05	7.69E-03	5.01E-03	pCi/m3
MT1 Meteorological Tower(571634016) - AC	26-Feb-22	Iodine-131	2.49E-04	6.83E-03	3.90E-03	pCi/m3
MT1 Meteorological Tower(572314016) - AC	5-Mar-22	Iodine-131	-6.85E-03	1.55E-02	1.09E-02	pCi/m3
MT1 Meteorological Tower(573048016) - AC	12-Mar-22	Iodine-131	-2.31E-03	1.12E-02	7.36E-03	pCi/m3
MT1 Meteorological Tower(573818016) - AC	19-Mar-22	Iodine-131	-5.70E-04	1.39E-02	8.28E-03	pCi/m3
MT1 Meteorological Tower(574546016) - AC	26-Mar-22	Iodine-131	-2.98E-03	7.00E-03	4.87E-03	pCi/m3
MT1 Meteorological Tower(575139016) - AC	1-Apr-22	Iodine-131	1.42E-03	8.84E-03	5.02E-03	pCi/m3
MT1 Meteorological Tower(576098016) - AC	9-Apr-22	Iodine-131	3.13E-04	6.97E-03	4.70E-03	pCi/m3
MT1 Meteorological Tower(576843016) - AC	16-Apr-22	Iodine-131	3.51E-03	9.20E-03	4.92E-03	pCi/m3
MT1 Meteorological Tower(577602016) - AC	23-Apr-22	Iodine-131	8.03E-04	1.71E-02	9.72E-03	pCi/m3
MT1 Meteorological Tower(578404016) - AC	30-Apr-22	Iodine-131	-3.52E-03	8.39E-03	5.63E-03	pCi/m3
MT1 Meteorological Tower(579259016) - AC	7-May-22	Iodine-131	4.20E-03	1.61E-02	8.77E-03	pCi/m3
MT1 Meteorological Tower(580040016) - AC	14-May-22	Iodine-131	4.04E-03	1.20E-02	6.79E-03	pCi/m3
MT1 Meteorological Tower(580687016) - AC	21-May-22	Iodine-131	7.22E-03	7.22E-03	8.63E-03	pCi/m3
MT1 Meteorological Tower(581376016) - AC	28-May-22	Iodine-131	-3.82E-03	1.69E-02	1.07E-02	pCi/m3
MT1 Meteorological Tower(581941016) - AC	4-Jun-22	Iodine-131	2.75E-03	1.19E-02	6.47E-03	pCi/m3
MT1 Meteorological Tower(582794009) - AC	11-Jun-22	Iodine-131	-4.76E-05	5.97E-03	3.46E-03	pCi/m3
MT1 Meteorological Tower(583529016) - AC	18-Jun-22	Iodine-131	2.52E-03	1.53E-02	8.65E-03	pCi/m3
MT1 Meteorological Tower(584143016) - AC	25-Jun-22	Iodine-131	-5.66E-03	1.20E-02	8.34E-03	pCi/m3
MT1 Meteorological Tower(584817016) - AC	2-Jul-22	Iodine-131	-5.41E-03	1.55E-02	1.01E-02	pCi/m3
MT1 Meteorological Tower(585549016) - AC	9-Jul-22	Iodine-131	-2.31E-03	1.32E-02	8.16E-03	pCi/m3
MT1 Meteorological Tower(586338007) - AC	16-Jul-22	Iodine-131	1.70E-03	8.55E-03	4.79E-03	pCi/m3
MT1 Meteorological Tower(587150010) - AC	23-Jul-22	Iodine-131	7.12E-03	1.76E-02	9.77E-03	pCi/m3
MT1 Meteorological Tower(587893012) - AC	30-Jul-22	Iodine-131	-1.02E-03	1.28E-02	8.38E-03	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
MT1 Meteorological Tower(588815016) - AC	6-Aug-22	Iodine-131	6.92E-04	1.84E-02	1.06E-02	pCi/m3
MT1 Meteorological Tower(589626016) - AC	13-Aug-22	Iodine-131	2.48E-03	8.78E-03	4.86E-03	pCi/m3
MT1 Meteorological Tower(590530016) - AC	21-Aug-22	Iodine-131	-1.66E-03	1.13E-02	7.20E-03	pCi/m3
MT1 Meteorological Tower(591268016) - AC	28-Aug-22	Iodine-131	4.53E-03	1.82E-02	9.96E-03	pCi/m3
MT1 Meteorological Tower(592024016) - AC	3-Sep-22	Iodine-131	-2.83E-03	8.24E-03	5.66E-03	pCi/m3
MT1 Meteorological Tower(592703016) - AC	10-Sep-22	Iodine-131	-4.42E-04	1.38E-02	8.02E-03	pCi/m3
MT1 Meteorological Tower(593600016) - AC	17-Sep-22	Iodine-131	1.90E-03	1.73E-02	9.89E-03	pCi/m3
MT1 Meteorological Tower(594424016) - AC	24-Sep-22	Iodine-131	-1.87E-03	1.25E-02	7.73E-03	pCi/m3
MT1 Meteorological Tower(594985016) - AC	1-Oct-22	Iodine-131	-1.11E-03	1.37E-02	8.23E-03	pCi/m3
MT1 Meteorological Tower(596161016) - AC	8-Oct-22	Iodine-131	-7.45E-04	2.36E-02	1.39E-02	pCi/m3
MT1 Meteorological Tower(597071016) - AC	15-Oct-22	Iodine-131	-1.85E-03	1.23E-02	7.81E-03	pCi/m3
MT1 Meteorological Tower(597930016) - AC	22-Oct-22	Iodine-131	1.95E-03	1.75E-02	9.85E-03	pCi/m3
MT1 Meteorological Tower(598809016) - AC	29-Oct-22	Iodine-131	9.56E-04	2.37E-02	1.36E-02	pCi/m3
MT1 Meteorological Tower(599710016) - AC	5-Nov-22	Iodine-131	2.17E-03	9.99E-03	5.42E-03	pCi/m3
MT1 Meteorological Tower(600682016) - AC	12-Nov-22	Iodine-131	-6.19E-03	1.70E-02	1.17E-02	pCi/m3
MT1 Meteorological Tower(601451016) - AC	19-Nov-22	Iodine-131	-3.30E-03	2.25E-02	1.37E-02	pCi/m3
MT1 Meteorological Tower(602126016) - AC	26-Nov-22	Iodine-131	-2.57E-03	1.32E-02	8.21E-03	pCi/m3
MT1 Meteorological Tower(602817016) - AC	4-Dec-22	Iodine-131	-2.56E-04	1.26E-02	7.37E-03	pCi/m3
MT1 Meteorological Tower(603772012) - AC	12-Dec-22	Iodine-131	1.91E-03	2.02E-02	1.15E-02	pCi/m3
MT1 Meteorological Tower(604614016) - AC	19-Dec-22	Iodine-131	-3.89E-03	1.79E-02	1.13E-02	pCi/m3
MT1 Meteorological Tower(605326016) - AC	25-Dec-22	Iodine-131	-4.39E-03	1.41E-02	9.51E-03	pCi/m3

MT1 Meteorological Tower - Air Particulate

MT1 Meteorological Tower(566170017) - AP	1-Jan-22	BETA	1.30E-02	2.48E-03	1.23E-02	pCi/m3
MT1 Meteorological Tower(566823017) - AP	8-Jan-22	BETA	2.82E-02	1.92E-03	9.86E-03	pCi/m3
MT1 Meteorological Tower(567644017) - AP	15-Jan-22	BETA	4.70E-02	2.17E-03	1.26E-02	pCi/m3
MT1 Meteorological Tower(568227017) - AP	22-Jan-22	BETA	5.35E-02	2.14E-03	1.24E-02	pCi/m3
MT1 Meteorological Tower(568938017) - AP	29-Jan-22	BETA	7.38E-02	2.22E-03	1.25E-02	pCi/m3
MT1 Meteorological Tower(569539017) - AP	5-Feb-22	BETA	5.36E-02	2.23E-03	1.21E-02	pCi/m3
MT1 Meteorological Tower(570262017) - AP	12-Feb-22	BETA	4.35E-02	1.96E-03	1.16E-02	pCi/m3
MT1 Meteorological Tower(571004017) - AP	19-Feb-22	BETA	1.66E-02	1.99E-03	1.07E-02	pCi/m3
MT1 Meteorological Tower(571634017) - AP	26-Feb-22	BETA	2.96E-02	2.06E-03	1.13E-02	pCi/m3
MT1 Meteorological Tower(572314017) - AP	5-Mar-22	BETA	2.37E-02	2.03E-03	1.09E-02	pCi/m3
MT1 Meteorological Tower(573048017) - AP	12-Mar-22	BETA	2.31E-02	2.20E-03	1.17E-02	pCi/m3
MT1 Meteorological Tower(573818017) - AP	19-Mar-22	BETA	1.46E-02	2.17E-03	1.03E-02	pCi/m3
MT1 Meteorological Tower(574546017) - AP	26-Mar-22	BETA	1.26E-02	2.38E-03	1.16E-02	pCi/m3
MT1 Meteorological Tower(575139017) - AP	1-Apr-22	BETA	1.18E-02	2.37E-03	1.11E-02	pCi/m3

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
MT1 Meteorological Tower(576098017) - AP	9-Apr-22	BETA	1.83E-02	1.80E-03	9.84E-03	pCi/m3
MT1 Meteorological Tower(576843017) - AP	16-Apr-22	BETA	1.67E-02	2.33E-03	1.25E-02	pCi/m3
MT1 Meteorological Tower(577602017) - AP	23-Apr-22	BETA	9.53E-03	2.09E-03	1.20E-02	pCi/m3
MT1 Meteorological Tower(578404017) - AP	30-Apr-22	BETA	1.16E-02	2.05E-03	1.19E-02	pCi/m3
MT1 Meteorological Tower(579259017) - AP	7-May-22	BETA	7.78E-03	2.48E-03	1.18E-02	pCi/m3
MT1 Meteorological Tower(580040017) - AP	14-May-22	BETA	7.67E-03	2.22E-03	1.19E-02	pCi/m3
MT1 Meteorological Tower(580687017) - AP	21-May-22	BETA	8.60E-03	2.01E-03	1.22E-02	pCi/m3
MT1 Meteorological Tower(581376017) - AP	28-May-22	BETA	1.66E-02	2.14E-03	1.08E-02	pCi/m3
MT1 Meteorological Tower(581941017) - AP	4-Jun-22	BETA	5.16E-03	1.88E-03	7.37E-03	pCi/m3
MT1 Meteorological Tower(582794010) - AP	11-Jun-22	BETA	7.88E-03	1.92E-03	7.60E-03	pCi/m3
MT1 Meteorological Tower(583529017) - AP	18-Jun-22	BETA	7.70E-03	1.61E-03	8.45E-03	pCi/m3
MT1 Meteorological Tower(584143017) - AP	25-Jun-22	BETA	7.55E-03	1.88E-03	8.48E-03	pCi/m3
MT1 Meteorological Tower(584817017) - AP	2-Jul-22	BETA	5.52E-03	1.86E-03	9.43E-03	pCi/m3
MT1 Meteorological Tower(585549017) - AP	9-Jul-22	BETA	1.94E-03	1.67E-03	9.40E-03	pCi/m3
MT1 Meteorological Tower(586338008) - AP	16-Jul-22	BETA	6.82E-03	2.01E-03	8.24E-03	pCi/m3
MT1 Meteorological Tower(587150011) - AP	23-Jul-22	BETA	6.01E-03	1.62E-03	8.06E-03	pCi/m3
MT1 Meteorological Tower(587893011) - AP	30-Jul-22	BETA	6.18E-03	1.64E-03	8.53E-03	pCi/m3
MT1 Meteorological Tower(588815017) - AP	6-Aug-22	BETA	7.11E-03	1.66E-03	8.54E-03	pCi/m3
MT1 Meteorological Tower(589626017) - AP	13-Aug-22	BETA	4.01E-03	1.62E-03	8.78E-03	pCi/m3
MT1 Meteorological Tower(590530017) - AP	21-Aug-22	BETA	1.24E-03	1.65E-03	9.19E-03	pCi/m3
MT1 Meteorological Tower(591268017) - AP	28-Aug-22	BETA	6.76E-03	1.64E-03	8.49E-03	pCi/m3
MT1 Meteorological Tower(592024017) - AP	3-Sep-22	BETA	1.60E-02	1.77E-03	9.12E-03	pCi/m3
MT1 Meteorological Tower(592703017) - AP	10-Sep-22	BETA	1.17E-02	1.67E-03	9.15E-03	pCi/m3
MT1 Meteorological Tower(593600017) - AP	17-Sep-22	BETA	8.79E-03	1.84E-03	9.06E-03	pCi/m3
MT1 Meteorological Tower(594424017) - AP	24-Sep-22	BETA	2.37E-02	1.57E-03	9.23E-03	pCi/m3
MT1 Meteorological Tower(594985017) - AP	1-Oct-22	BETA	1.51E-02	1.67E-03	9.21E-03	pCi/m3
MT1 Meteorological Tower(596161017) - AP	8-Oct-22	BETA	1.47E-02	1.65E-03	8.91E-03	pCi/m3
MT1 Meteorological Tower(597071017) - AP	15-Oct-22	BETA	2.96E-02	1.54E-03	8.74E-03	pCi/m3
MT1 Meteorological Tower(597930017) - AP	22-Oct-22	BETA	3.55E-02	1.92E-03	1.05E-02	pCi/m3
MT1 Meteorological Tower(598809017) - AP	29-Oct-22	BETA	1.87E-02	1.38E-03	7.72E-03	pCi/m3
MT1 Meteorological Tower(599710017) - AP	5-Nov-22	BETA	9.68E-03	1.65E-03	9.26E-03	pCi/m3
MT1 Meteorological Tower(600682017) - AP	12-Nov-22	BETA	2.35E-02	1.63E-03	8.95E-03	pCi/m3
MT1 Meteorological Tower(601451017) - AP	19-Nov-22	BETA	7.63E-02	1.88E-03	1.11E-02	pCi/m3
MT1 Meteorological Tower(602126017) - AP	26-Nov-22	BETA	4.47E-02	1.42E-03	8.64E-03	pCi/m3
MT1 Meteorological Tower(602817017) - AP	4-Dec-22	BETA	7.65E-03	1.41E-03	8.18E-03	pCi/m3
MT1 Meteorological Tower(603772011) - AP	12-Dec-22	BETA	1.00E-02	1.85E-03	8.95E-03	pCi/m3
MT1 Meteorological Tower(604614017) - AP	19-Dec-22	BETA	5.20E-02	1.67E-03	9.59E-03	pCi/m3

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
MT1 Meteorological Tower(605326017) - AP	25-Dec-22	BETA	2.21E-02	1.63E-03	9.14E-03	pCi/m3
MT1 Meteorological Tower(576874007) - AP	12-Feb-22	Cesium-134	4.73E-05	4.08E-04	2.29E-04	pCi/m3
MT1 Meteorological Tower(586704007) - AP	14-May-22	Cesium-134	-4.45E-05	4.20E-04	2.78E-04	pCi/m3
MT1 Meteorological Tower(599942007) - AP	13-Aug-22	Cesium-134	-1.96E-05	3.37E-04	2.12E-04	pCi/m3
MT1 Meteorological Tower(609523007) - AP	13-Nov-22	Cesium-134	1.55E-04	4.27E-04	2.33E-04	pCi/m3
MT1 Meteorological Tower(576874007) - AP	12-Feb-22	Cesium-137	-6.31E-06	4.09E-04	2.31E-04	pCi/m3
MT1 Meteorological Tower(586704007) - AP	14-May-22	Cesium-137	1.14E-04	3.56E-04	1.98E-04	pCi/m3
MT1 Meteorological Tower(599942007) - AP	13-Aug-22	Cesium-137	8.54E-05	3.11E-04	1.75E-04	pCi/m3
MT1 Meteorological Tower(609523007) - AP	13-Nov-22	Cesium-137	1.51E-04	3.75E-04	2.07E-04	pCi/m3
7C2 Rattlesnake Canyon - Algae						
7C2 Rattlesnake Canyon(566825001) - AV Algae	24-Feb-22	Cesium-134	-2.87E-01	7.97E+00	4.89E+00	pCi/kg
7C2 Rattlesnake Canyon(580688001) - AV Algae	23-May-22	Cesium-134	-1.37E+00	1.12E+01	7.10E+00	pCi/kg
7C2 Rattlesnake Canyon(584819005) - AV Algae	18-Jul-22	Cesium-134	3.20E+00	8.96E+00	5.26E+00	pCi/kg
7C2 Rattlesnake Canyon(602819005) - AV Algae	5-Dec-22	Cesium-134	-3.19E+00	1.29E+01	7.97E+00	pCi/kg
7C2 Rattlesnake Canyon(566825001) - AV Algae	24-Feb-22	Cesium-137	5.88E+00	7.72E+00	9.45E+00	pCi/kg
7C2 Rattlesnake Canyon(580688001) - AV Algae	23-May-22	Cesium-137	9.78E+00	9.78E+00	1.31E+01	pCi/kg
7C2 Rattlesnake Canyon(584819005) - AV Algae	18-Jul-22	Cesium-137	-7.56E-01	6.89E+00	4.28E+00	pCi/kg
7C2 Rattlesnake Canyon(602819005) - AV Algae	5-Dec-22	Cesium-137	7.73E+00	1.35E+01	8.31E+00	pCi/kg
7C2 Rattlesnake Canyon(566825001) - AV Algae	24-Feb-22	Cobalt-58	-1.96E+00	7.84E+00	5.10E+00	pCi/kg
7C2 Rattlesnake Canyon(580688001) - AV Algae	23-May-22	Cobalt-58	-1.09E+00	1.00E+01	6.36E+00	pCi/kg
7C2 Rattlesnake Canyon(584819005) - AV Algae	18-Jul-22	Cobalt-58	1.18E+00	7.61E+00	4.53E+00	pCi/kg
7C2 Rattlesnake Canyon(602819005) - AV Algae	5-Dec-22	Cobalt-58	4.64E+00	1.14E+01	8.54E+00	pCi/kg
7C2 Rattlesnake Canyon(566825001) - AV Algae	24-Feb-22	Cobalt-60	-1.29E+00	8.91E+00	5.46E+00	pCi/kg
7C2 Rattlesnake Canyon(580688001) - AV Algae	23-May-22	Cobalt-60	1.44E+00	1.28E+01	7.38E+00	pCi/kg
7C2 Rattlesnake Canyon(584819005) - AV Algae	18-Jul-22	Cobalt-60	1.75E+00	8.18E+00	5.16E+00	pCi/kg
7C2 Rattlesnake Canyon(602819005) - AV Algae	5-Dec-22	Cobalt-60	8.81E-01	1.34E+01	7.98E+00	pCi/kg
7C2 Rattlesnake Canyon - Kelp						
7C2 Rattlesnake Canyon(567517001) - AV Kelp	10-Jan-22	Cesium-134	4.04E+00	1.01E+01	6.00E+00	pCi/kg
7C2 Rattlesnake Canyon(576848005) - AV Kelp	18-Apr-22	Cesium-134	-4.10E-01	9.60E+00	5.77E+00	pCi/kg
7C2 Rattlesnake Canyon(585567001) - AV Kelp	11-Jul-22	Cesium-134	-1.76E+00	9.25E+00	5.97E+00	pCi/kg
7C2 Rattlesnake Canyon(600688003) - AV Kelp	16-Nov-22	Cesium-134	1.58E+00	7.65E+00	4.61E+00	pCi/kg
7C2 Rattlesnake Canyon(567517001) - AV Kelp	10-Jan-22	Cesium-137	3.62E+00	8.96E+00	5.29E+00	pCi/kg
7C2 Rattlesnake Canyon(576848005) - AV Kelp	18-Apr-22	Cesium-137	-1.35E+00	8.22E+00	5.19E+00	pCi/kg
7C2 Rattlesnake Canyon(585567001) - AV Kelp	11-Jul-22	Cesium-137	-1.81E+00	8.90E+00	5.95E+00	pCi/kg
7C2 Rattlesnake Canyon(600688003) - AV Kelp	16-Nov-22	Cesium-137	2.37E+00	6.86E+00	4.36E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(567517001) - AV Kelp	10-Jan-22	Cobalt-58	-1.60E+00	9.05E+00	5.58E+00	pCi/kg
7C2 Rattlesnake Canyon(576848005) - AV Kelp	18-Apr-22	Cobalt-58	-2.72E+00	7.69E+00	4.86E+00	pCi/kg
7C2 Rattlesnake Canyon(585567001) - AV Kelp	11-Jul-22	Cobalt-58	-6.50E+00	7.67E+00	5.80E+00	pCi/kg
7C2 Rattlesnake Canyon(600688003) - AV Kelp	16-Nov-22	Cobalt-58	3.57E-01	6.85E+00	4.18E+00	pCi/kg
7C2 Rattlesnake Canyon(567517001) - AV Kelp	10-Jan-22	Cobalt-60	8.12E-01	1.17E+01	6.82E+00	pCi/kg
7C2 Rattlesnake Canyon(576848005) - AV Kelp	18-Apr-22	Cobalt-60	-9.81E-01	1.12E+01	7.91E+00	pCi/kg
7C2 Rattlesnake Canyon(585567001) - AV Kelp	11-Jul-22	Cobalt-60	4.25E+00	1.02E+01	5.97E+00	pCi/kg
7C2 Rattlesnake Canyon(600688003) - AV Kelp	16-Nov-22	Cobalt-60	4.48E-01	8.14E+00	4.78E+00	pCi/kg
DCM Diablo Cove Marine - Kelp						
DCM Diablo Cove Marine(567517002) - AV Kelp	10-Jan-22	Cesium-134	6.03E+00	1.69E+01	1.11E+01	pCi/kg
DCM Diablo Cove Marine(576848002) - AV Kelp	18-Apr-22	Cesium-134	-2.88E+00	9.79E+00	6.26E+00	pCi/kg
DCM Diablo Cove Marine(585567004) - AV Kelp	11-Jul-22	Cesium-134	1.71E+00	1.81E+01	1.08E+01	pCi/kg
DCM Diablo Cove Marine(600688001) - AV Kelp	16-Nov-22	Cesium-134	3.09E+00	9.63E+00	5.64E+00	pCi/kg
DCM Diablo Cove Marine(567517002) - AV Kelp	10-Jan-22	Cesium-137	-1.06E+00	1.35E+01	8.27E+00	pCi/kg
DCM Diablo Cove Marine(576848002) - AV Kelp	18-Apr-22	Cesium-137	5.51E+00	1.03E+01	6.15E+00	pCi/kg
DCM Diablo Cove Marine(585567004) - AV Kelp	11-Jul-22	Cesium-137	1.56E+01	1.56E+01	2.23E+01	pCi/kg
DCM Diablo Cove Marine(600688001) - AV Kelp	16-Nov-22	Cesium-137	-9.64E-02	8.55E+00	5.09E+00	pCi/kg
DCM Diablo Cove Marine(567517002) - AV Kelp	10-Jan-22	Cobalt-58	-1.78E+00	1.47E+01	9.22E+00	pCi/kg
DCM Diablo Cove Marine(576848002) - AV Kelp	18-Apr-22	Cobalt-58	3.99E+00	9.68E+00	5.69E+00	pCi/kg
DCM Diablo Cove Marine(585567004) - AV Kelp	11-Jul-22	Cobalt-58	-4.14E+00	1.72E+01	1.11E+01	pCi/kg
DCM Diablo Cove Marine(600688001) - AV Kelp	16-Nov-22	Cobalt-58	4.45E+00	1.05E+01	6.21E+00	pCi/kg
DCM Diablo Cove Marine(567517002) - AV Kelp	10-Jan-22	Cobalt-60	1.80E+00	1.66E+01	9.59E+00	pCi/kg
DCM Diablo Cove Marine(576848002) - AV Kelp	18-Apr-22	Cobalt-60	4.46E+00	1.23E+01	6.97E+00	pCi/kg
DCM Diablo Cove Marine(585567004) - AV Kelp	11-Jul-22	Cobalt-60	1.17E+01	2.34E+01	1.33E+01	pCi/kg
DCM Diablo Cove Marine(600688001) - AV Kelp	16-Nov-22	Cobalt-60	-1.78E+00	9.86E+00	6.03E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove - Kelp						
PON Pacific Ocean North of Diablo Cove(567517003) - AV Kelp	10-Jan-22	Cesium-134	4.71E+00	9.95E+00	5.99E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(576848003) - AV Kelp	18-Apr-22	Cesium-134	-2.33E+00	1.22E+01	7.61E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(585567003) - AV Kelp	11-Jul-22	Cesium-134	7.98E+00	1.11E+01	7.14E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(600688002) - AV Kelp	16-Nov-22	Cesium-134	-1.38E+00	7.54E+00	4.75E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(567517003) - AV Kelp	10-Jan-22	Cesium-137	6.02E+00	9.16E+00	5.69E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(576848003) - AV Kelp	18-Apr-22	Cesium-137	-1.33E-01	1.03E+01	6.86E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(585567003) - AV Kelp	11-Jul-22	Cesium-137	1.17E+00	8.45E+00	5.00E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(600688002) - AV Kelp	16-Nov-22	Cesium-137	2.62E+00	7.34E+00	4.35E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(567517003) - AV Kelp	10-Jan-22	Cobalt-58	1.15E-02	9.06E+00	5.50E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
PON Pacific Ocean North of Diablo Cove(576848003) - AV Kelp	18-Apr-22	Cobalt-58	3.60E+00	1.16E+01	6.81E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(585567003) - AV Kelp	11-Jul-22	Cobalt-58	-2.56E-02	8.62E+00	5.25E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(600688002) - AV Kelp	16-Nov-22	Cobalt-58	2.10E+00	7.15E+00	4.25E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(567517003) - AV Kelp	10-Jan-22	Cobalt-60	1.13E-01	1.04E+01	6.06E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(576848003) - AV Kelp	18-Apr-22	Cobalt-60	-4.75E+00	1.20E+01	7.86E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(585567003) - AV Kelp	11-Jul-22	Cobalt-60	9.99E-01	1.10E+01	6.37E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(600688002) - AV Kelp	16-Nov-22	Cobalt-60	-5.86E-01	8.24E+00	5.61E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove - Algae						
POS Pacific Ocean South of Diablo Cove(584819004) - AV Algae	23-May-22	Cesium-134	-1.85E+00	9.02E+00	6.49E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819004) - AV Algae	18-Jul-22	Cesium-134	2.54E+00	9.93E+00	5.92E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(602819007) - AV Algae	5-Dec-22	Cesium-134	6.64E-01	1.06E+01	6.15E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(581300001) - AV Algae	23-May-22	Cesium-137	4.55E+00	1.11E+01	6.46E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819004) - AV Algae	18-Jul-22	Cesium-137	2.42E+00	8.30E+00	5.37E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(602819007) - AV Algae	5-Dec-22	Cesium-137	5.77E+00	1.17E+01	6.77E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(581300001) - AV Algae	23-May-22	Cobalt-58	2.86E+00	1.07E+01	6.17E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819004) - AV Algae	18-Jul-22	Cobalt-58	-1.74E+00	6.42E+00	4.04E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(602819007) - AV Algae	5-Dec-22	Cobalt-58	-9.99E-01	9.06E+00	5.48E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(581300001) - AV Algae	23-May-22	Cobalt-60	5.13E+00	1.16E+01	8.63E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819004) - AV Algae	18-Jul-22	Cobalt-60	-2.36E+00	8.31E+00	5.52E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(602819007) - AV Algae	5-Dec-22	Cobalt-60	2.84E+00	1.16E+01	6.71E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove - Kelp						
POS Pacific Ocean South of Diablo Cove(567517004) - AV Kelp	10-Jan-22	Cesium-134	8.07E+00	1.30E+01	7.88E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(576848004) - AV Kelp	18-Apr-22	Cesium-134	-5.23E+00	1.90E+01	1.17E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(585567002) - AV Kelp	11-Jul-22	Cesium-134	-3.27E+00	1.19E+01	7.72E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(600688004) - AV Kelp	16-Nov-22	Cesium-134	8.18E-01	7.86E+00	5.26E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(567517004) - AV Kelp	10-Jan-22	Cesium-137	9.42E-01	9.92E+00	5.99E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(576848004) - AV Kelp	18-Apr-22	Cesium-137	-8.15E+00	1.86E+01	1.28E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(585567002) - AV Kelp	11-Jul-22	Cesium-137	2.31E+00	1.17E+01	6.83E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(600688004) - AV Kelp	16-Nov-22	Cesium-137	4.82E+00	7.98E+00	4.91E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(567517004) - AV Kelp	10-Jan-22	Cobalt-58	4.98E+00	1.01E+01	5.87E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(576848004) - AV Kelp	18-Apr-22	Cobalt-58	-2.74E+00	1.83E+01	1.26E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(585567002) - AV Kelp	11-Jul-22	Cobalt-58	3.62E+00	1.21E+01	7.13E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(600688004) - AV Kelp	16-Nov-22	Cobalt-58	-9.13E-01	7.39E+00	4.60E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(567517004) - AV Kelp	10-Jan-22	Cobalt-60	1.54E+00	1.13E+01	6.66E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(576848004) - AV Kelp	18-Apr-22	Cobalt-60	-7.52E+00	1.69E+01	1.17E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
POS Pacific Ocean South of Diablo Cove(585567002) - AV Kelp	11-Jul-22	Cobalt-60	6.80E-01	1.58E+01	9.19E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(600688004) - AV Kelp	16-Nov-22	Cobalt-60	-7.42E+00	7.02E+00	6.07E+00	pCi/kg
1A2 Blanchard Spring - Drinking Water (DW)						
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	BETA	7.28E-01	2.67E+00	1.62E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	BETA	3.42E+00	2.02E+00	1.44E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	BETA	-1.39E+00	3.02E+00	1.76E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	BETA	2.82E+00	2.37E+00	1.58E+00	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Barium-140	-5.76E+00	1.18E+01	7.95E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Barium-140	-3.08E+00	8.50E+00	5.49E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Barium-140	6.86E-01	1.16E+01	6.72E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Barium-140	3.80E+00	1.47E+01	1.62E+01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Cesium-134	-1.92E-01	1.87E+00	1.17E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Cesium-134	4.43E-01	1.79E+00	1.09E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Cesium-134	-9.49E-01	2.35E+00	1.58E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Cesium-134	-4.50E-01	1.38E+00	9.05E-01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Cesium-137	-4.09E-01	1.85E+00	2.16E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Cesium-137	-1.21E-01	1.71E+00	1.05E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Cesium-137	-7.95E-01	3.13E+00	2.66E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Cesium-137	4.15E-01	1.41E+00	8.51E-01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Cobalt-58	-5.30E-01	1.64E+00	1.08E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Cobalt-58	3.08E-01	1.50E+00	1.01E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Cobalt-58	1.05E+00	2.36E+00	1.40E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Cobalt-58	-1.13E+00	1.37E+00	1.49E+00	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Cobalt-60	-6.30E-01	2.13E+00	1.94E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Cobalt-60	7.60E-02	1.60E+00	9.42E-01	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Cobalt-60	9.77E-01	2.71E+00	1.54E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Cobalt-60	2.56E-01	1.32E+00	7.68E-01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Iodine-131	2.63E-01	7.36E-01	4.48E-01	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Iodine-131	2.46E-01	5.94E-01	3.68E-01	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Iodine-131	5.54E-02	5.34E-01	3.17E-01	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Iodine-131	1.63E-02	9.61E-01	5.64E-01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Iron-55	-1.88E+01	6.21E+01	4.30E+01	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Iron-55	-2.80E+01	4.10E+01	2.47E+01	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Iron-55	-1.28E+01	9.90E+01	7.40E+01	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Iron-55	7.79E+00	6.06E+01	3.96E+01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Iron-59	-6.60E-01	3.73E+00	2.24E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Iron-59	-6.73E-01	3.28E+00	2.00E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Iron-59	2.89E-01	4.58E+00	2.62E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Iron-59	-1.86E-01	3.08E+00	1.82E+00	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Lanthanum-140	1.87E-01	3.76E+00	2.19E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Lanthanum-140	-1.44E-01	2.80E+00	1.70E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Lanthanum-140	5.74E-01	5.11E+00	2.99E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Lanthanum-140	-6.00E-01	5.30E+00	3.77E+00	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Manganese-54	2.03E-01	1.69E+00	1.02E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Manganese-54	-1.73E-01	1.57E+00	9.88E-01	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Manganese-54	8.14E-01	2.37E+00	1.41E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Manganese-54	-4.55E-01	1.25E+00	8.32E-01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Nickel-63	8.43E+00	2.84E+01	1.74E+01	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Nickel-63	8.92E+00	2.08E+01	1.29E+01	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Nickel-63	3.86E+00	2.89E+01	1.74E+01	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Nickel-63	-1.19E+01	2.99E+01	1.72E+01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Niobium-95	-1.58E+00	1.90E+00	1.94E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Niobium-95	5.09E-01	1.74E+00	1.18E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Niobium-95	-6.74E-01	2.48E+00	1.58E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Niobium-95	-2.11E-01	1.46E+00	9.18E-01	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Total Strontium	5.24E-01	9.91E-01	6.35E-01	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Total Strontium	8.37E-01	1.67E+00	1.10E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Total Strontium	-1.66E+00	1.50E+00	7.53E-01	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Total Strontium	-6.16E-01	1.81E+00	1.02E+00	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Tritium	1.17E+02	2.97E+02	1.84E+02	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Tritium	5.77E+01	2.92E+02	1.77E+02	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Tritium	-8.52E+01	2.80E+02	1.62E+02	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Tritium	1.12E+02	3.60E+02	2.19E+02	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Zinc-65	-3.42E-03	3.49E+00	2.29E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Zinc-65	-3.10E-01	3.31E+00	2.24E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Zinc-65	4.20E+00	5.30E+00	3.43E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Zinc-65	1.25E+00	2.76E+00	1.79E+00	pCi/L
1A2 Blanchard Spring(566824001) - DW	8-Feb-22	Zirconium-95	-1.03E+00	2.60E+00	1.76E+00	pCi/L
1A2 Blanchard Spring(577604002) - DW	28-Apr-22	Zirconium-95	-5.39E-01	2.71E+00	1.73E+00	pCi/L
1A2 Blanchard Spring(585550001) - DW	11-Jul-22	Zirconium-95	-3.55E-01	4.28E+00	2.61E+00	pCi/L
1A2 Blanchard Spring(603773006) - DW	14-Dec-22	Zirconium-95	-1.09E+00	2.56E+00	1.73E+00	pCi/L

2022 DCPP REMP Analysis Results

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5S2 Diablo Creek Weir - Drinking Water						
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	BETA	5.60E-01	1.96E+00	1.20E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	BETA	2.11E+00	2.60E+00	1.65E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	BETA	1.05E+00	1.84E+00	1.15E+00	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	BETA	2.13E+00	1.30E+00	9.26E-01	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	BETA	1.14E+00	2.47E+00	1.52E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	BETA	-1.48E+00	2.98E+00	1.74E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	BETA	3.21E+00	2.08E+00	1.46E+00	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	BETA	2.62E+00	2.22E+00	1.48E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	BETA	2.07E+00	2.89E+00	1.81E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	BETA	1.27E+01	3.44E+00	3.15E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	BETA	9.50E-01	3.23E+00	1.96E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	BETA	4.91E+00	2.23E+00	1.68E+00	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	BETA	-7.02E-01	2.59E+00	1.53E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	BETA	2.02E+00	1.73E+00	1.18E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	BETA	3.61E+00	2.41E+00	1.70E+00	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Barium-140	2.78E+00	8.36E+00	7.72E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Barium-140	2.73E+00	7.71E+00	4.49E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Barium-140	5.67E+00	8.41E+00	5.37E+00	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Barium-140	-3.76E+00	2.41E+01	1.46E+01	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Barium-140	1.35E+00	1.35E+01	7.92E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Barium-140	-2.47E-01	9.96E+00	5.94E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Barium-140	1.48E+00	7.01E+00	4.04E+00	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Barium-140	4.70E-01	1.17E+01	6.87E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Barium-140	2.38E+00	1.12E+01	6.60E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Barium-140	2.67E+00	8.63E+00	5.01E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Barium-140	-1.76E+00	1.18E+01	7.26E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Barium-140	-1.21E+00	6.76E+00	3.99E+00	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Barium-140	7.34E-01	1.08E+01	6.34E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Barium-140	-1.58E-01	9.23E+00	5.70E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Barium-140	8.87E+00	1.60E+01	1.27E+01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Cesium-134	3.59E-01	1.96E+00	1.14E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Cesium-134	-1.00E+00	1.53E+00	2.42E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Cesium-134	2.44E-01	1.68E+00	9.65E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Cesium-134	1.62E-01	1.92E+00	1.15E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Cesium-134	4.78E-02	1.95E+00	2.11E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Cesium-134	8.78E-01	1.72E+00	1.18E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Cesium-134	-3.41E-01	1.23E+00	7.80E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Cesium-134	-1.06E+00	1.71E+00	1.88E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Cesium-134	1.34E+00	2.66E+00	1.56E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Cesium-134	-3.09E-01	1.51E+00	9.42E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Cesium-134	5.99E-02	1.92E+00	1.17E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Cesium-134	-5.87E-01	1.38E+00	9.07E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Cesium-134	-8.68E-03	1.67E+00	1.02E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Cesium-134	2.06E-01	1.84E+00	1.07E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Cesium-134	6.28E-02	1.53E+00	8.82E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Cesium-137	1.51E-01	1.70E+00	1.11E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Cesium-137	7.02E-01	1.52E+00	9.06E-01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Cesium-137	2.85E-01	1.62E+00	9.88E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Cesium-137	4.37E-01	1.81E+00	1.07E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Cesium-137	1.50E-01	1.67E+00	9.86E-01	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Cesium-137	1.13E-01	1.52E+00	9.05E-01	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Cesium-137	-2.46E-01	1.29E+00	7.84E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Cesium-137	4.75E-01	1.82E+00	1.08E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Cesium-137	1.13E+00	2.45E+00	1.49E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Cesium-137	-7.28E-01	1.53E+00	1.57E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Cesium-137	-6.04E-01	3.17E+00	2.53E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Cesium-137	8.27E-03	1.47E+00	1.33E+00	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Cesium-137	1.18E+00	1.59E+00	1.69E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Cesium-137	1.61E+00	1.61E+00	2.37E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Cesium-137	7.03E-01	1.40E+00	9.46E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Cobalt-58	3.91E-02	1.61E+00	9.48E-01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Cobalt-58	1.09E+00	1.58E+00	9.78E-01	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Cobalt-58	4.18E-01	1.45E+00	8.54E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Cobalt-58	5.22E-01	2.05E+00	1.22E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Cobalt-58	-3.80E-01	1.71E+00	1.09E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Cobalt-58	9.52E-01	1.68E+00	1.04E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Cobalt-58	-5.45E-02	1.14E+00	6.86E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Cobalt-58	-5.78E-01	1.75E+00	1.15E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Cobalt-58	4.08E-01	2.29E+00	1.31E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Cobalt-58	3.41E-01	1.47E+00	9.61E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Cobalt-58	-7.79E-01	1.68E+00	1.17E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Cobalt-58	-6.06E-01	1.36E+00	8.95E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Cobalt-58	8.01E-01	1.66E+00	9.13E-01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Cobalt-58	4.33E-01	1.84E+00	1.07E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Cobalt-58	-1.42E-01	1.54E+00	9.03E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Cobalt-60	-1.36E-01	1.76E+00	1.04E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Cobalt-60	6.48E-01	1.61E+00	1.07E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Cobalt-60	5.41E-01	1.59E+00	9.00E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Cobalt-60	-3.90E-01	1.73E+00	1.08E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Cobalt-60	8.08E-01	1.87E+00	1.08E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Cobalt-60	-2.05E-01	1.62E+00	1.12E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Cobalt-60	5.57E-01	1.45E+00	8.23E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Cobalt-60	-1.62E+00	1.56E+00	1.49E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Cobalt-60	2.93E-01	2.55E+00	1.51E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Cobalt-60	4.79E-01	1.53E+00	8.63E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Cobalt-60	1.10E+00	2.18E+00	1.35E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Cobalt-60	1.36E-01	1.32E+00	7.97E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Cobalt-60	8.32E-01	2.07E+00	1.20E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Cobalt-60	8.20E-01	2.04E+00	1.18E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Cobalt-60	-1.43E-01	1.34E+00	8.32E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Iodine-131	-1.89E-03	6.79E-01	3.97E-01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Iodine-131	1.54E+00	1.67E+00	1.43E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Iodine-131	3.74E-01	1.25E+00	7.69E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Iodine-131	1.70E-01	9.48E-01	5.76E-01	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Iodine-131	1.94E-01	6.59E-01	3.91E-01	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Iodine-131	-2.14E-01	6.74E-01	4.14E-01	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Iodine-131	-1.27E-01	8.01E-01	4.74E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Iodine-131	-2.26E-01	9.73E-01	6.11E-01	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Iodine-131	-6.86E-02	6.32E-01	3.88E-01	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Iodine-131	1.73E-01	8.20E-01	4.76E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Iodine-131	1.19E-01	5.95E-01	3.48E-01	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Iodine-131	-1.81E-02	6.26E-01	3.65E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Iodine-131	-3.04E-01	6.07E-01	4.24E-01	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Iodine-131	-1.29E-01	5.54E-01	3.34E-01	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Iodine-131	2.64E-01	1.17E+00	6.76E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Iron-55	1.28E+01	8.55E+01	5.82E+01	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Iron-55	-1.48E+01	6.16E+01	4.28E+01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Iron-55	1.54E+01	6.47E+01	4.65E+01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Iron-55	7.30E+00	4.68E+01	3.11E+01	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Iron-55	7.96E+00	4.30E+01	2.83E+01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Iron-55	-1.79E+01	4.35E+01	2.72E+01	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Iron-55	2.21E+01	6.99E+01	4.79E+01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Iron-55	-1.77E+00	9.42E+01	6.87E+01	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Iron-55	2.72E+01	9.27E+01	6.73E+01	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Iron-55	-3.56E+01	9.77E+01	6.98E+01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Iron-55	-6.41E+00	1.01E+02	7.22E+01	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Iron-55	5.56E-01	3.88E+01	2.66E+01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Iron-55	-1.57E+01	4.78E+01	3.16E+01	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Iron-55	2.90E+01	5.76E+01	3.88E+01	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Iron-55	1.96E+01	6.01E+01	4.00E+01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Iron-59	-1.06E+00	3.44E+00	2.24E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Iron-59	3.18E+00	3.18E+00	2.68E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Iron-59	2.49E-02	2.85E+00	1.75E+00	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Iron-59	-5.44E-02	4.70E+00	2.73E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Iron-59	-4.39E-01	4.27E+00	2.52E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Iron-59	3.16E-01	3.68E+00	2.40E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Iron-59	6.94E-01	2.71E+00	1.61E+00	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Iron-59	-6.19E-01	3.58E+00	2.15E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Iron-59	1.02E+00	4.83E+00	2.81E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Iron-59	-1.50E+00	3.28E+00	2.28E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Iron-59	6.55E-02	3.90E+00	2.34E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Iron-59	-1.79E+00	2.80E+00	2.56E+00	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Iron-59	-1.71E+00	3.51E+00	2.33E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Iron-59	-9.67E-01	3.52E+00	2.27E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Iron-59	5.63E-01	3.67E+00	2.15E+00	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Lanthanum-140	3.81E-01	3.00E+00	1.73E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Lanthanum-140	-9.25E-01	2.46E+00	1.87E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Lanthanum-140	-1.82E+00	2.56E+00	1.89E+00	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Lanthanum-140	-3.60E-01	7.50E+00	4.53E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Lanthanum-140	-9.71E-01	4.90E+00	3.07E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Lanthanum-140	-8.79E-01	3.60E+00	2.29E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Lanthanum-140	2.12E-01	2.20E+00	1.26E+00	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Lanthanum-140	-5.61E-01	3.89E+00	2.40E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Lanthanum-140	2.24E+00	3.55E+00	4.61E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Lanthanum-140	1.70E-01	3.04E+00	1.77E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Lanthanum-140	1.30E-01	4.44E+00	2.63E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Lanthanum-140	-8.43E-01	1.98E+00	1.31E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Lanthanum-140	-8.67E-01	3.54E+00	2.26E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Lanthanum-140	-7.26E-01	3.15E+00	1.98E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Lanthanum-140	-1.18E+00	5.46E+00	3.43E+00	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Manganese-54	-2.12E-01	1.57E+00	9.54E-01	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Manganese-54	1.83E-01	1.36E+00	8.09E-01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Manganese-54	3.35E-01	1.47E+00	8.49E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Manganese-54	-4.63E-02	1.64E+00	1.01E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Manganese-54	-2.56E-01	1.67E+00	1.05E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Manganese-54	-9.11E-01	1.39E+00	1.02E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Manganese-54	3.46E-01	1.27E+00	7.49E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Manganese-54	-3.03E-01	1.56E+00	9.91E-01	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Manganese-54	-2.69E-01	2.25E+00	1.33E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Manganese-54	2.27E-01	1.43E+00	8.44E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Manganese-54	5.10E-01	1.81E+00	1.10E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Manganese-54	-9.00E-02	1.35E+00	8.10E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Manganese-54	3.75E-01	1.68E+00	1.01E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Manganese-54	3.08E-02	1.46E+00	8.64E-01	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Manganese-54	3.23E-01	1.35E+00	7.75E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Nickel-63	-2.09E+01	3.81E+01	2.18E+01	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Nickel-63	2.16E+01	3.64E+01	2.31E+01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Nickel-63	-5.67E+00	2.86E+01	1.67E+01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Nickel-63	2.28E+00	2.04E+01	1.23E+01	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Nickel-63	-8.66E+00	2.04E+01	1.17E+01	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Nickel-63	2.77E+00	1.98E+01	1.20E+01	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Nickel-63	7.59E-02	2.24E+01	1.33E+01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Nickel-63	1.02E+01	2.91E+01	1.78E+01	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Nickel-63	6.39E+00	2.61E+01	1.59E+01	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Nickel-63	-7.77E-01	2.60E+01	1.54E+01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Nickel-63	1.71E+01	3.00E+01	1.87E+01	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Nickel-63	7.00E+00	3.11E+01	1.88E+01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Nickel-63	2.62E+00	2.76E+01	1.66E+01	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Nickel-63	-3.84E+00	3.75E+01	2.22E+01	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Nickel-63	-1.39E+01	2.79E+01	1.59E+01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Niobium-95	9.81E-01	1.90E+00	1.14E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Niobium-95	1.12E-01	1.45E+00	8.62E-01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Niobium-95	-4.99E-01	1.45E+00	9.04E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Niobium-95	1.18E+00	2.25E+00	1.37E+00	pCi/L

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5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Niobium-95	0.00E+00	2.01E+00	0.00E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Niobium-95	1.44E+00	1.44E+00	1.86E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Niobium-95	7.10E-02	1.35E+00	7.95E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Niobium-95	-2.03E-01	1.67E+00	1.04E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Niobium-95	1.11E+00	2.40E+00	1.62E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Niobium-95	3.84E-01	1.50E+00	8.84E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Niobium-95	1.66E+00	2.03E+00	1.34E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Niobium-95	-5.32E-02	1.45E+00	8.58E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Niobium-95	-2.97E-01	1.89E+00	1.18E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Niobium-95	7.20E-01	1.90E+00	1.12E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Niobium-95	-2.64E-01	1.62E+00	1.03E+00	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Total Strontium	-2.94E-01	1.01E+00	5.70E-01	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Total Strontium	-1.41E-01	8.52E-01	4.94E-01	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Total Strontium	1.05E+00	1.23E+00	8.39E-01	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Total Strontium	-1.04E-01	7.17E-01	4.18E-01	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Total Strontium	1.75E-01	7.09E-01	4.37E-01	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Total Strontium	1.35E-01	6.62E-01	4.05E-01	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Total Strontium	-8.44E-01	1.58E+00	8.72E-01	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Total Strontium	1.33E-01	8.81E-01	5.37E-01	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Total Strontium	6.83E-01	6.94E-01	4.90E-01	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Total Strontium	-5.14E-01	1.11E+00	5.90E-01	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Total Strontium	-4.02E-01	9.81E-01	5.43E-01	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Total Strontium	-9.99E-01	1.22E+00	6.28E-01	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Total Strontium	5.94E-01	1.95E+00	1.21E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Total Strontium	3.50E-01	7.79E-01	4.99E-01	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Total Strontium	-1.01E+00	1.46E+00	7.75E-01	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Tritium	-2.12E+02	3.47E+02	2.01E+02	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Tritium	1.72E+01	3.32E+02	1.98E+02	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Tritium	1.57E+02	3.35E+02	2.06E+02	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Tritium	-1.89E+02	3.15E+02	1.79E+02	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Tritium	2.21E+02	2.72E+02	1.78E+02	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Tritium	1.06E+02	2.69E+02	1.67E+02	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Tritium	1.69E+02	3.34E+02	2.07E+02	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Tritium	-5.80E+01	3.10E+02	1.82E+02	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Tritium	1.17E+02	2.57E+02	1.61E+02	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Tritium	1.39E+02	2.39E+02	1.53E+02	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Tritium	-5.60E+01	3.18E+02	1.86E+02	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Tritium	1.05E+02	3.23E+02	1.97E+02	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Tritium	1.34E+02	3.43E+02	2.09E+02	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Tritium	4.95E+01	3.22E+02	1.94E+02	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Tritium	3.92E+01	3.59E+02	2.15E+02	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Zinc-65	5.34E-01	3.95E+00	2.36E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Zinc-65	1.92E+00	3.15E+00	2.09E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Zinc-65	-1.30E+00	2.73E+00	2.66E+00	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Zinc-65	-6.94E-01	3.41E+00	2.24E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Zinc-65	9.82E-02	3.91E+00	2.43E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Zinc-65	7.45E-01	3.38E+00	1.93E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Zinc-65	2.44E-01	2.65E+00	1.79E+00	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Zinc-65	-5.45E-02	3.66E+00	2.13E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Zinc-65	2.45E-01	4.01E+00	2.36E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Zinc-65	3.68E-01	2.87E+00	1.94E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Zinc-65	1.09E-01	3.98E+00	2.62E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Zinc-65	1.93E+00	3.12E+00	2.08E+00	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Zinc-65	9.00E-01	3.54E+00	2.02E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Zinc-65	2.28E-01	3.70E+00	2.23E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Zinc-65	3.90E-01	2.98E+00	1.98E+00	pCi/L
5S2 Diablo Creek Weir(566837001) - DW	10-Jan-22	Zirconium-95	-3.63E-01	2.97E+00	1.78E+00	pCi/L
5S2 Diablo Creek Weir(568944002) - DW	2-Feb-22	Zirconium-95	3.48E-01	2.53E+00	1.45E+00	pCi/L
5S2 Diablo Creek Weir(568944001) - DW	2-Feb-22	Zirconium-95	3.86E-02	2.51E+00	1.50E+00	pCi/L
5S2 Diablo Creek Weir(571005001) - DW	8-Mar-22	Zirconium-95	-1.28E-02	3.83E+00	2.32E+00	pCi/L
5S2 Diablo Creek Weir(573819001) - DW	22-Mar-22	Zirconium-95	1.32E+00	3.50E+00	2.09E+00	pCi/L
5S2 Diablo Creek Weir(573819002) - DW	23-Mar-22	Zirconium-95	7.55E-01	2.75E+00	1.64E+00	pCi/L
5S2 Diablo Creek Weir(576103001) - DW	12-Apr-22	Zirconium-95	7.23E-01	2.34E+00	1.37E+00	pCi/L
5S2 Diablo Creek Weir(579327001) - DW	5-May-22	Zirconium-95	-3.98E-01	3.05E+00	1.89E+00	pCi/L
5S2 Diablo Creek Weir(583530001) - DW	22-Jun-22	Zirconium-95	4.93E-01	3.97E+00	2.41E+00	pCi/L
5S2 Diablo Creek Weir(587151002) - DW	25-Jul-22	Zirconium-95	8.44E-02	2.49E+00	1.48E+00	pCi/L
5S2 Diablo Creek Weir(586347001) - DW	8-Aug-22	Zirconium-95	-1.44E-01	3.50E+00	2.16E+00	pCi/L
5S2 Diablo Creek Weir(592704001) - DW	13-Sep-22	Zirconium-95	1.17E+00	2.49E+00	1.48E+00	pCi/L
5S2 Diablo Creek Weir(596162005) - DW	11-Oct-22	Zirconium-95	-2.09E+00	2.91E+00	2.17E+00	pCi/L
5S2 Diablo Creek Weir(598814001) - DW	1-Nov-22	Zirconium-95	6.74E-01	3.13E+00	1.81E+00	pCi/L
5S2 Diablo Creek Weir(603773005) - DW	15-Dec-22	Zirconium-95	4.67E-01	3.01E+00	1.83E+00	pCi/L

DW1 - DCPP Drinking Water

DW1 Drinking Water(566837002) - DW	10-Jan-22	BETA	6.76E-02	1.25E+00	7.50E-01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DW1 Drinking Water(568944003) - DW	2-Feb-22	BETA	3.33E-02	1.54E+00	9.21E-01	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	BETA	-1.46E-01	1.22E+00	7.25E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	BETA	2.40E+00	1.42E+00	1.00E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	BETA	-1.44E-01	1.47E+00	8.70E-01	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	BETA	1.26E+00	1.40E+00	9.02E-01	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	BETA	-1.07E+00	1.83E+00	1.06E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	BETA	-3.08E+00	1.65E+00	8.84E-01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	BETA	2.68E+00	1.79E+00	1.22E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	BETA	-7.05E-01	1.77E+00	1.04E+00	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	BETA	-4.21E-01	1.64E+00	9.68E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	BETA	-7.95E-01	1.57E+00	9.08E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	BETA	1.31E+00	1.12E+00	7.59E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Barium-140	-7.55E+00	8.01E+00	7.90E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Barium-140	1.42E+00	1.25E+01	7.56E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Barium-140	-2.40E+00	1.42E+01	8.37E+00	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Barium-140	-1.04E+00	8.54E+00	5.12E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Barium-140	4.10E+00	1.24E+01	8.03E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Barium-140	-2.28E+00	1.38E+01	8.49E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Barium-140	2.28E+00	1.13E+01	6.52E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Barium-140	-9.58E-01	9.89E+00	6.12E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Barium-140	3.02E+00	9.85E+00	5.83E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Barium-140	-1.94E-01	6.05E+00	3.53E+00	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Barium-140	2.13E+00	9.77E+00	5.80E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Barium-140	-1.89E+00	7.98E+00	5.02E+00	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Barium-140	-3.81E+00	9.03E+00	5.91E+00	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Cesium-134	1.89E-01	1.69E+00	1.00E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Cesium-134	5.69E-01	2.52E+00	1.44E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Cesium-134	-1.26E-01	1.22E+00	7.30E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Cesium-134	-5.15E-01	1.75E+00	1.12E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Cesium-134	8.11E-01	1.82E+00	1.09E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Cesium-134	6.32E-01	2.13E+00	1.29E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Cesium-134	-9.58E-02	2.45E+00	1.49E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Cesium-134	-3.60E-01	1.78E+00	1.07E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Cesium-134	-3.66E-01	1.52E+00	9.82E-01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Cesium-134	6.99E-02	1.32E+00	7.80E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Cesium-134	-1.06E+00	1.63E+00	1.49E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Cesium-134	2.86E-01	1.56E+00	8.94E-01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DW1 Drinking Water(602818003) - DW	6-Dec-22	Cesium-134	-2.59E-01	1.48E+00	9.40E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Cesium-137	1.30E-01	1.54E+00	9.02E-01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Cesium-137	-3.52E+00	2.25E+00	3.06E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Cesium-137	1.84E-01	1.21E+00	7.02E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Cesium-137	1.71E-02	1.61E+00	9.62E-01	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Cesium-137	7.45E-01	1.59E+00	1.84E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Cesium-137	-6.00E-01	1.88E+00	1.22E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Cesium-137	2.71E-01	2.23E+00	3.78E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Cesium-137	-3.35E+00	1.76E+00	2.72E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Cesium-137	9.95E-01	1.66E+00	1.03E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Cesium-137	8.85E-01	1.34E+00	8.52E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Cesium-137	2.47E-01	1.62E+00	9.75E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Cesium-137	1.63E-01	1.48E+00	2.43E+00	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Cesium-137	-4.47E-01	2.17E+00	1.86E+00	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Cobalt-58	4.39E-01	1.40E+00	8.29E-01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Cobalt-58	-3.98E-01	2.29E+00	1.37E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Cobalt-58	2.50E-02	1.31E+00	8.66E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Cobalt-58	-7.44E-02	1.60E+00	9.79E-01	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Cobalt-58	3.50E-01	1.72E+00	1.03E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Cobalt-58	9.60E-01	2.17E+00	1.26E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Cobalt-58	6.90E-02	2.17E+00	1.30E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Cobalt-58	4.39E-01	1.73E+00	9.92E-01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Cobalt-58	1.82E-02	1.50E+00	9.20E-01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Cobalt-58	-4.14E-01	1.18E+00	7.66E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Cobalt-58	-4.85E-01	1.40E+00	9.34E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Cobalt-58	4.75E-01	1.50E+00	8.89E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Cobalt-58	6.30E-02	1.45E+00	8.87E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Cobalt-60	6.83E-01	1.68E+00	9.83E-01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Cobalt-60	5.08E-01	2.40E+00	1.40E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Cobalt-60	6.14E-01	1.11E+00	6.75E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Cobalt-60	-3.53E-01	1.50E+00	9.30E-01	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Cobalt-60	6.89E-01	1.90E+00	1.09E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Cobalt-60	-6.02E-03	1.97E+00	1.18E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Cobalt-60	6.17E-01	2.40E+00	1.35E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Cobalt-60	7.20E-03	1.92E+00	1.14E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Cobalt-60	7.04E-01	1.71E+00	9.97E-01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Cobalt-60	-7.94E-02	1.18E+00	6.88E-01	pCi/L

2022 DCPP REMP Analysis Results

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DW1 Drinking Water(596162004) - DW	11-Oct-22	Cobalt-60	2.71E-01	1.51E+00	8.74E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Cobalt-60	5.10E-01	1.60E+00	9.41E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Cobalt-60	2.23E-01	1.53E+00	9.01E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Iodine-131	6.71E-02	6.91E-01	4.20E-01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Iodine-131	6.72E-02	9.65E-01	5.55E-01	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Iodine-131	-2.76E-01	9.02E-01	5.58E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Iodine-131	5.83E-02	7.21E-01	4.26E-01	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Iodine-131	-1.34E-01	8.58E-01	5.07E-01	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Iodine-131	1.41E-01	6.40E-01	3.78E-01	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Iodine-131	-6.13E-01	4.89E-01	5.35E-01	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Iodine-131	3.74E-01	8.88E-01	5.44E-01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Iodine-131	3.04E-01	6.95E-01	4.27E-01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Iodine-131	-9.62E-02	6.39E-01	3.78E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Iodine-131	-1.44E-02	7.94E-01	4.61E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Iodine-131	-3.26E-02	4.55E-01	2.75E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Iodine-131	1.93E-01	9.63E-01	5.56E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Iron-55	6.10E+00	8.12E+01	5.53E+01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Iron-55	3.28E+01	6.37E+01	4.67E+01	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Iron-55	-2.78E+01	4.73E+01	3.02E+01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Iron-55	4.80E+00	7.55E+01	5.03E+01	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Iron-55	-1.84E+01	9.60E+01	6.96E+01	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Iron-55	-4.72E+01	7.10E+01	4.79E+01	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Iron-55	3.25E+01	9.22E+01	6.71E+01	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Iron-55	2.63E-01	1.01E+02	7.33E+01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Iron-55	-8.82E+00	1.01E+02	7.17E+01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Iron-55	1.20E+00	3.20E+01	2.21E+01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Iron-55	1.79E+01	5.04E+01	3.49E+01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Iron-55	-1.17E+01	5.23E+01	3.27E+01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Iron-55	1.59E+01	6.18E+01	4.24E+01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Iron-59	1.23E+00	3.28E+00	1.99E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Iron-59	-2.63E+00	4.98E+00	4.23E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Iron-59	-9.61E-01	3.22E+00	2.07E+00	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Iron-59	7.63E-01	2.97E+00	1.69E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Iron-59	1.54E+00	4.24E+00	2.43E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Iron-59	-2.67E+00	4.00E+00	2.90E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Iron-59	1.21E+00	5.09E+00	2.88E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Iron-59	-6.96E-02	3.55E+00	2.10E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DW1 Drinking Water(586347002) - DW	10-Aug-22	Iron-59	-8.91E-02	3.26E+00	1.92E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Iron-59	3.97E-01	2.48E+00	1.48E+00	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Iron-59	-6.99E-01	3.19E+00	1.95E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Iron-59	-1.36E-01	3.24E+00	1.94E+00	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Iron-59	-7.73E-02	2.90E+00	1.96E+00	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Lanthanum-140	5.57E-01	2.88E+00	1.67E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Lanthanum-140	-1.77E+00	4.05E+00	2.79E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Lanthanum-140	-1.13E+00	4.51E+00	3.17E+00	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Lanthanum-140	-1.18E+00	2.28E+00	1.60E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Lanthanum-140	8.58E-02	4.11E+00	2.44E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Lanthanum-140	-1.18E-01	4.62E+00	2.83E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Lanthanum-140	1.67E+00	3.94E+00	3.12E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Lanthanum-140	-3.11E-01	3.26E+00	2.00E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Lanthanum-140	-7.42E-01	2.99E+00	2.01E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Lanthanum-140	-3.62E-01	2.06E+00	1.26E+00	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Lanthanum-140	-9.89E-01	3.24E+00	2.11E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Lanthanum-140	-1.22E+00	2.52E+00	1.69E+00	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Lanthanum-140	1.94E-01	3.44E+00	2.08E+00	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Manganese-54	6.59E-01	1.53E+00	9.23E-01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Manganese-54	3.21E-03	2.14E+00	1.24E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Manganese-54	1.84E-01	1.15E+00	6.76E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Manganese-54	4.31E-01	1.59E+00	1.06E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Manganese-54	8.43E-01	1.74E+00	1.06E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Manganese-54	-7.76E-01	1.74E+00	1.82E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Manganese-54	2.04E-01	2.23E+00	1.49E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Manganese-54	-5.93E-01	1.49E+00	9.49E-01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Manganese-54	-3.90E-01	1.53E+00	9.91E-01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Manganese-54	4.68E-01	1.33E+00	7.87E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Manganese-54	-4.18E-01	1.42E+00	9.36E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Manganese-54	-2.48E-01	1.39E+00	8.36E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Manganese-54	7.68E-01	1.50E+00	9.34E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Nickel-63	-1.14E+01	3.59E+01	2.09E+01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Nickel-63	9.47E+00	2.77E+01	1.71E+01	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Nickel-63	-3.72E+00	2.32E+01	1.36E+01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Nickel-63	4.41E+01	2.17E+01	1.59E+01	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Nickel-63	4.42E+00	3.01E+01	1.81E+01	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Nickel-63	1.15E+01	2.72E+01	1.69E+01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DW1 Drinking Water(583530002) - DW	22-Jun-22	Nickel-63	6.41E+00	2.54E+01	1.55E+01	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Nickel-63	-2.16E+00	2.91E+01	1.72E+01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Nickel-63	1.73E+01	2.92E+01	1.82E+01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Nickel-63	6.00E+00	2.78E+01	1.68E+01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Nickel-63	1.17E+01	2.75E+01	1.70E+01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Nickel-63	8.49E+00	3.72E+01	2.25E+01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Nickel-63	-5.20E+00	2.94E+01	1.73E+01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Niobium-95	6.76E-01	1.58E+00	1.27E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Niobium-95	-6.20E-01	2.11E+00	1.29E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Niobium-95	-1.61E+00	1.34E+00	2.81E+00	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Niobium-95	5.75E-02	1.69E+00	1.02E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Niobium-95	1.23E+00	2.02E+00	1.26E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Niobium-95	3.83E-01	2.06E+00	1.24E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Niobium-95	-3.48E-01	2.05E+00	1.28E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Niobium-95	8.61E-01	1.85E+00	1.09E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Niobium-95	7.69E-01	1.71E+00	1.04E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Niobium-95	-1.61E-01	1.25E+00	7.61E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Niobium-95	5.62E-01	1.63E+00	1.82E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Niobium-95	-5.99E-02	1.44E+00	8.34E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Niobium-95	1.35E-01	1.53E+00	1.05E+00	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Total Strontium	2.07E-01	1.18E+00	7.24E-01	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Total Strontium	-7.29E-02	9.23E-01	5.41E-01	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Total Strontium	-2.05E-02	5.90E-01	3.50E-01	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Total Strontium	-1.98E-01	1.82E+00	1.07E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Total Strontium	2.56E-01	1.22E+00	7.50E-01	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Total Strontium	-2.25E-01	1.16E+00	6.72E-01	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Total Strontium	5.05E-02	6.24E-01	3.77E-01	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Total Strontium	-1.08E+00	1.19E+00	5.40E-01	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Total Strontium	-2.66E-01	1.01E+00	5.75E-01	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Total Strontium	1.13E+00	1.44E+00	9.72E-01	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Total Strontium	-3.67E-01	1.39E+00	7.96E-01	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Total Strontium	5.84E-03	5.54E-01	3.30E-01	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Total Strontium	1.61E-01	6.64E-01	4.14E-01	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Tritium	3.22E+01	3.08E+02	1.85E+02	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Tritium	4.88E+01	3.32E+02	1.99E+02	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Tritium	1.14E+02	3.07E+02	1.89E+02	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Tritium	2.23E+02	3.30E+02	2.07E+02	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DW1 Drinking Water(579327002) - DW	5-May-22	Tritium	4.91E+01	3.16E+02	1.90E+02	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Tritium	5.45E+01	3.08E+02	1.86E+02	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Tritium	1.03E+02	2.63E+02	1.64E+02	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Tritium	1.83E+01	2.47E+02	1.48E+02	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Tritium	-6.22E+01	2.55E+02	1.48E+02	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Tritium	2.13E+02	3.16E+02	1.99E+02	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Tritium	2.34E+01	3.04E+02	1.82E+02	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Tritium	8.26E+01	3.50E+02	2.12E+02	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Tritium	8.52E+01	2.44E+02	1.51E+02	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Zinc-65	8.41E-01	3.22E+00	1.93E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Zinc-65	2.53E-01	4.13E+00	2.74E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Zinc-65	3.89E-01	2.57E+00	1.54E+00	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Zinc-65	2.24E-01	2.87E+00	1.64E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Zinc-65	-5.60E-01	3.44E+00	2.07E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Zinc-65	1.21E+00	4.15E+00	2.40E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Zinc-65	-2.31E+00	4.40E+00	3.41E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Zinc-65	-4.21E-01	3.27E+00	1.97E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Zinc-65	-7.06E-01	3.10E+00	1.91E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Zinc-65	8.79E-01	2.65E+00	1.57E+00	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Zinc-65	2.46E-01	3.14E+00	2.06E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Zinc-65	2.11E-01	2.71E+00	1.81E+00	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Zinc-65	3.05E-02	2.94E+00	1.97E+00	pCi/L
DW1 Drinking Water(566837002) - DW	10-Jan-22	Zirconium-95	1.46E-01	2.75E+00	1.63E+00	pCi/L
DW1 Drinking Water(568944003) - DW	2-Feb-22	Zirconium-95	3.52E-01	4.28E+00	2.45E+00	pCi/L
DW1 Drinking Water(546500002) - DW	8-Mar-22	Zirconium-95	-1.55E+00	2.46E+00	2.44E+00	pCi/L
DW1 Drinking Water(576103002) - DW	12-Apr-22	Zirconium-95	-1.02E+00	2.89E+00	1.88E+00	pCi/L
DW1 Drinking Water(579327002) - DW	5-May-22	Zirconium-95	5.79E-01	3.14E+00	4.16E+00	pCi/L
DW1 Drinking Water(580695002) - DW	23-May-22	Zirconium-95	2.54E-01	3.81E+00	2.33E+00	pCi/L
DW1 Drinking Water(583530002) - DW	22-Jun-22	Zirconium-95	5.89E-01	3.79E+00	2.23E+00	pCi/L
DW1 Drinking Water(587151001) - DW	25-Jul-22	Zirconium-95	2.92E-01	3.17E+00	1.82E+00	pCi/L
DW1 Drinking Water(586347002) - DW	10-Aug-22	Zirconium-95	8.22E-01	2.87E+00	1.72E+00	pCi/L
DW1 Drinking Water(592704002) - DW	13-Sep-22	Zirconium-95	1.28E+00	2.49E+00	1.50E+00	pCi/L
DW1 Drinking Water(596162004) - DW	11-Oct-22	Zirconium-95	-1.00E+00	2.68E+00	1.79E+00	pCi/L
DW1 Drinking Water(598814002) - DW	1-Nov-22	Zirconium-95	5.39E-02	2.68E+00	1.54E+00	pCi/L
DW1 Drinking Water(602818003) - DW	6-Dec-22	Zirconium-95	-1.86E-01	2.61E+00	1.62E+00	pCi/L

2022 DCPP REMP Analysis Results

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OEL Offsite Emergency Lab - Drinking Water						
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	BETA	3.04E+00	1.61E+00	1.16E+00	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	BETA	1.36E+00	9.68E-01	6.84E-01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	BETA	1.13E+00	1.24E+00	7.99E-01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	BETA	5.93E-01	1.52E+00	9.29E-01	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	BETA	1.87E+00	1.22E+00	8.60E-01	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	BETA	1.28E+00	2.10E+00	1.30E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	BETA	9.07E-01	1.09E+00	7.05E-01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	BETA	1.32E+00	1.64E+00	1.04E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	BETA	8.06E-01	1.18E+00	7.49E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	BETA	2.55E+00	1.81E+00	1.22E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	BETA	3.21E-01	1.43E+00	8.67E-01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	BETA	1.15E+00	1.84E+00	1.15E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Barium-140	7.86E+00	7.86E+00	1.18E+01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Barium-140	2.27E+00	9.16E+00	5.37E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Barium-140	-8.55E+00	2.23E+01	1.46E+01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Barium-140	1.32E+00	9.00E+00	5.16E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Barium-140	2.50E+00	1.18E+01	1.14E+01	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Barium-140	-3.10E+00	9.86E+00	6.31E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Barium-140	-1.33E+00	8.99E+00	5.42E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Barium-140	5.23E+00	1.04E+01	6.28E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Barium-140	-3.13E+00	6.50E+00	6.29E+00	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Barium-140	3.21E+00	1.08E+01	6.22E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Barium-140	-1.16E+00	9.03E+00	5.68E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Barium-140	3.21E+00	1.58E+01	9.20E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Cesium-134	-2.26E-01	1.57E+00	9.30E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Cesium-134	9.58E-01	1.87E+00	1.15E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Cesium-134	6.41E-01	1.89E+00	1.14E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Cesium-134	3.01E-01	1.87E+00	1.09E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Cesium-134	8.50E-02	1.99E+00	1.28E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Cesium-134	-8.39E-02	1.62E+00	1.01E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Cesium-134	1.35E+00	1.85E+00	1.19E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Cesium-134	3.94E-02	1.67E+00	1.02E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Cesium-134	2.73E-01	1.40E+00	8.21E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Cesium-134	-2.55E-01	1.83E+00	1.13E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Cesium-134	-1.89E-01	1.88E+00	1.11E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Cesium-134	4.21E-01	1.61E+00	9.63E-01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Cesium-137	1.60E-01	1.54E+00	9.31E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Cesium-137	1.78E-01	1.53E+00	9.07E-01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Cesium-137	-1.23E+00	3.90E+00	2.52E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Cesium-137	4.35E-02	1.70E+00	9.93E-01	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Cesium-137	-2.62E+00	3.04E+00	2.75E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Cesium-137	-7.22E-01	1.55E+00	1.55E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Cesium-137	-1.29E+00	1.54E+00	1.86E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Cesium-137	7.67E-01	1.83E+00	1.11E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Cesium-137	-5.05E-02	1.30E+00	7.73E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Cesium-137	1.59E+00	1.82E+00	2.01E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Cesium-137	6.40E-01	1.80E+00	1.62E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Cesium-137	2.65E-01	1.55E+00	9.15E-01	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Cobalt-58	-7.02E-01	1.40E+00	9.23E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Cobalt-58	1.72E-01	1.71E+00	1.03E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Cobalt-58	2.21E-01	1.95E+00	1.18E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Cobalt-58	-2.96E-01	1.68E+00	1.03E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Cobalt-58	2.28E-01	1.82E+00	1.10E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Cobalt-58	4.71E-01	1.56E+00	9.43E-01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Cobalt-58	3.46E-01	1.59E+00	9.52E-01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Cobalt-58	-7.01E-01	1.42E+00	9.99E-01	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Cobalt-58	4.77E-02	1.15E+00	6.81E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Cobalt-58	-6.17E-02	1.91E+00	1.32E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Cobalt-58	-1.08E+00	1.45E+00	1.06E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Cobalt-58	-1.52E-01	1.63E+00	1.00E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Cobalt-60	5.23E-03	1.58E+00	9.57E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Cobalt-60	3.69E-01	1.51E+00	8.66E-01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Cobalt-60	1.24E-01	1.70E+00	9.82E-01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Cobalt-60	5.84E-01	1.96E+00	1.13E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Cobalt-60	7.27E-01	1.95E+00	1.13E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Cobalt-60	-7.79E-02	1.35E+00	8.13E-01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Cobalt-60	-1.05E-01	1.48E+00	8.78E-01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Cobalt-60	1.66E-01	1.78E+00	1.05E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Cobalt-60	-9.96E-02	1.32E+00	7.70E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Cobalt-60	-5.31E-02	2.02E+00	1.22E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Cobalt-60	-3.63E-01	1.58E+00	9.95E-01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Cobalt-60	-1.90E-01	1.58E+00	9.50E-01	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Iodine-131	3.03E-02	6.87E-01	3.96E-01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Iodine-131	4.17E-01	8.76E-01	5.19E-01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Iodine-131	-5.40E-01	7.77E-01	7.78E-01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Iodine-131	-4.69E-02	9.73E-01	5.93E-01	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Iodine-131	1.25E-01	8.63E-01	4.97E-01	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Iodine-131	1.35E-01	6.98E-01	4.20E-01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Iodine-131	3.29E-01	6.88E-01	4.09E-01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Iodine-131	-1.66E-01	6.56E-01	4.14E-01	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Iodine-131	-3.84E-01	8.79E-01	5.74E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Iodine-131	8.31E-02	6.71E-01	3.92E-01	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Iodine-131	6.28E-02	5.83E-01	3.37E-01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Iodine-131	-5.34E-01	1.06E+00	8.16E-01	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Iron-55	1.97E+01	8.44E+01	5.79E+01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Iron-55	2.07E+01	6.32E+01	4.58E+01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Iron-55	-1.19E+01	4.41E+01	2.85E+01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Iron-55	8.04E+01	8.25E+01	6.33E+01	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Iron-55	-6.32E+01	9.37E+01	6.67E+01	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Iron-55	2.47E+01	9.79E+01	7.17E+01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Iron-55	-1.94E+01	9.76E+01	7.02E+01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Iron-55	2.15E+00	1.29E+02	9.11E+01	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Iron-55	-2.72E+00	3.47E+01	2.38E+01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Iron-55	-8.99E+00	5.58E+01	3.73E+01	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Iron-55	-4.01E+00	4.83E+01	3.07E+01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Iron-55	4.35E+00	5.68E+01	3.71E+01	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Iron-59	-1.82E-01	3.16E+00	2.17E+00	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Iron-59	-5.22E-01	3.12E+00	1.86E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Iron-59	-4.50E+00	4.64E+00	5.03E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Iron-59	-1.78E+00	3.25E+00	2.30E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Iron-59	5.12E-01	4.05E+00	2.33E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Iron-59	-1.04E+00	2.95E+00	1.89E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Iron-59	7.63E-01	3.37E+00	1.92E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Iron-59	-5.82E-01	3.27E+00	1.99E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Iron-59	-8.22E-01	2.23E+00	1.51E+00	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Iron-59	3.32E+00	4.55E+00	2.85E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Iron-59	1.17E+00	3.57E+00	2.08E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Iron-59	-2.25E+00	3.56E+00	2.46E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Lanthanum-140	-9.03E-01	3.23E+00	2.21E+00	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Lanthanum-140	-7.23E-01	2.53E+00	1.63E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Lanthanum-140	-1.96E-01	8.41E+00	4.98E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Lanthanum-140	5.12E-01	3.08E+00	1.78E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Lanthanum-140	-7.87E-01	4.30E+00	2.68E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Lanthanum-140	-9.96E-01	3.20E+00	2.10E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Lanthanum-140	4.65E-01	2.72E+00	1.58E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Lanthanum-140	-2.35E-01	3.76E+00	2.31E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Lanthanum-140	-7.76E-01	2.07E+00	1.35E+00	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Lanthanum-140	-2.67E-02	4.13E+00	2.81E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Lanthanum-140	3.66E-01	2.97E+00	1.76E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Lanthanum-140	-1.12E+00	5.14E+00	3.23E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Manganese-54	1.36E-01	1.63E+00	9.38E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Manganese-54	2.95E-01	1.68E+00	1.01E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Manganese-54	-6.48E-01	1.60E+00	1.09E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Manganese-54	-1.19E+00	1.43E+00	1.09E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Manganese-54	-6.28E-01	1.67E+00	1.13E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Manganese-54	-1.29E-01	1.46E+00	9.14E-01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Manganese-54	6.83E-02	1.70E+00	1.03E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Manganese-54	-2.30E-01	1.61E+00	1.02E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Manganese-54	5.62E-01	1.32E+00	7.86E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Manganese-54	-3.52E-02	1.74E+00	1.06E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Manganese-54	-5.39E-01	1.58E+00	9.92E-01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Manganese-54	-2.20E-02	1.38E+00	8.42E-01	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Nickel-63	-7.07E+00	3.33E+01	1.95E+01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Nickel-63	1.58E+01	3.18E+01	2.00E+01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Nickel-63	3.52E+00	2.04E+01	1.23E+01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Nickel-63	-5.37E+00	2.24E+01	1.32E+01	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Nickel-63	-4.62E+00	3.10E+01	1.83E+01	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Nickel-63	5.24E+00	3.17E+01	1.91E+01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Nickel-63	2.29E+00	2.67E+01	1.60E+01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Nickel-63	-1.14E+01	3.25E+01	1.88E+01	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Nickel-63	-4.83E+00	3.10E+01	1.83E+01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Nickel-63	7.99E+00	3.35E+01	2.04E+01	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Nickel-63	5.92E-01	3.88E+01	2.32E+01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Nickel-63	-9.28E+00	2.82E+01	1.63E+01	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Niobium-95	2.82E-01	1.63E+00	9.27E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Niobium-95	-1.71E-01	1.66E+00	1.02E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Niobium-95	3.27E-01	2.20E+00	1.33E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Niobium-95	7.94E-01	1.99E+00	1.18E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Niobium-95	-2.68E-01	1.98E+00	1.24E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Niobium-95	1.12E-01	1.54E+00	1.55E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Niobium-95	3.68E-01	1.63E+00	9.73E-01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Niobium-95	1.81E-01	1.71E+00	1.16E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Niobium-95	8.55E-01	1.19E+00	1.03E+00	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Niobium-95	1.80E+00	2.02E+00	1.35E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Niobium-95	-5.01E-02	1.79E+00	1.65E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Niobium-95	1.28E+00	1.88E+00	1.20E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Total Strontium	5.46E-01	1.47E+00	9.27E-01	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Total Strontium	1.20E-01	4.88E-01	3.03E-01	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Total Strontium	1.01E-02	8.49E-01	5.07E-01	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Total Strontium	-4.29E-01	1.01E+00	5.53E-01	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Total Strontium	6.16E-02	1.52E+00	9.10E-01	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Total Strontium	5.05E-01	1.18E+00	7.48E-01	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Total Strontium	3.02E-01	1.20E+00	7.45E-01	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Total Strontium	2.60E-01	8.72E-01	5.39E-01	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Total Strontium	-2.95E-01	5.26E-01	2.87E-01	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Total Strontium	7.17E-01	9.44E-01	6.59E-01	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Total Strontium	-4.05E-02	6.78E-01	4.00E-01	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Total Strontium	5.52E-01	1.81E+00	1.14E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Tritium	-1.07E+02	3.59E+02	2.11E+02	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Tritium	1.83E+02	3.40E+02	2.10E+02	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Tritium	-4.55E+01	3.19E+02	1.88E+02	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Tritium	-3.56E+01	3.18E+02	1.88E+02	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Tritium	6.37E+01	3.12E+02	1.89E+02	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Tritium	-1.59E+01	2.65E+02	1.57E+02	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Tritium	-1.58E+01	2.52E+02	1.49E+02	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Tritium	6.57E+01	2.10E+02	1.36E+02	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Tritium	-2.91E+01	3.07E+02	1.82E+02	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Tritium	2.26E+02	3.39E+02	2.13E+02	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Tritium	3.11E+01	3.47E+02	2.07E+02	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Tritium	1.89E+02	3.49E+02	2.16E+02	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Zinc-65	1.30E+00	3.37E+00	2.20E+00	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Zinc-65	-2.27E-01	3.04E+00	1.78E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Zinc-65	-5.02E-01	3.75E+00	2.23E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Zinc-65	7.04E-01	3.43E+00	2.04E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Zinc-65	-2.02E-01	3.78E+00	2.22E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Zinc-65	1.34E+00	3.19E+00	2.05E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Zinc-65	8.85E-02	2.93E+00	1.69E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Zinc-65	-2.10E+00	2.90E+00	2.14E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Zinc-65	-3.48E-01	2.57E+00	1.62E+00	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Zinc-65	-1.96E+00	3.69E+00	2.52E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Zinc-65	1.15E+00	3.51E+00	2.05E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Zinc-65	7.21E-01	2.93E+00	1.66E+00	pCi/L
OEL Offsite Emergency Lab(566837003) - DW	10-Jan-22	Zirconium-95	-1.72E+00	2.53E+00	1.89E+00	pCi/L
OEL Offsite Emergency Lab(568944004) - DW	2-Feb-22	Zirconium-95	1.77E-01	2.92E+00	1.75E+00	pCi/L
OEL Offsite Emergency Lab(546500003) - DW	8-Mar-22	Zirconium-95	-1.01E+00	3.85E+00	2.48E+00	pCi/L
OEL Offsite Emergency Lab(576103003) - DW	12-Apr-22	Zirconium-95	7.14E-02	3.00E+00	1.77E+00	pCi/L
OEL Offsite Emergency Lab(579327003) - DW	5-May-22	Zirconium-95	1.04E+00	3.44E+00	2.08E+00	pCi/L
OEL Offsite Emergency Lab(582795001) - DW	15-Jun-22	Zirconium-95	5.53E-01	2.73E+00	1.65E+00	pCi/L
OEL Offsite Emergency Lab(587151003) - DW	25-Jul-22	Zirconium-95	-1.48E+00	2.77E+00	1.91E+00	pCi/L
OEL Offsite Emergency Lab(589627001) - DW	25-Aug-22	Zirconium-95	-1.61E-01	2.85E+00	1.76E+00	pCi/L
OEL Offsite Emergency Lab(593601001) - DW	22-Sep-22	Zirconium-95	5.31E-01	2.39E+00	1.40E+00	pCi/L
OEL Offsite Emergency Lab(596162006) - DW	11-Oct-22	Zirconium-95	-1.53E+00	2.84E+00	1.97E+00	pCi/L
OEL Offsite Emergency Lab(598814003) - DW	1-Nov-22	Zirconium-95	6.37E-01	3.17E+00	1.83E+00	pCi/L
OEL Offsite Emergency Lab(603773001) - DW	16-Dec-22	Zirconium-95	7.39E-01	3.07E+00	1.82E+00	pCi/L
WN2 Diablo Creek Outlet - Drinking Water						
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	BETA	3.95E+00	2.84E+00	1.92E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	BETA	2.30E+00	1.89E+00	1.28E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	BETA	1.68E+00	2.10E+00	1.35E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	BETA	3.89E+00	3.45E+00	2.25E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Barium-140	5.01E+00	1.26E+01	7.40E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Barium-140	6.72E-01	9.06E+00	5.40E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Barium-140	-8.07E-01	8.76E+00	5.22E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Barium-140	-3.15E+00	1.06E+01	6.73E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Cesium-134	9.40E-01	1.94E+00	1.16E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Cesium-134	2.68E-01	1.61E+00	9.21E-01	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Cesium-134	-6.01E-01	1.56E+00	1.03E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Cesium-134	1.59E-01	1.52E+00	1.03E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Cesium-137	8.18E-01	1.80E+00	1.19E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Cesium-137	4.56E-01	1.67E+00	1.01E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Cesium-137	-1.37E+00	1.56E+00	1.64E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Cesium-137	3.32E-01	1.54E+00	9.18E-01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Cobalt-58	7.65E-02	1.75E+00	1.03E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Cobalt-58	-3.10E-01	1.51E+00	1.03E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Cobalt-58	1.83E-01	1.63E+00	1.10E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Cobalt-58	8.22E-01	1.59E+00	9.72E-01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Cobalt-60	-3.93E-01	1.75E+00	1.07E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Cobalt-60	-1.60E-01	1.67E+00	1.03E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Cobalt-60	5.05E-01	1.40E+00	7.96E-01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Cobalt-60	7.62E-01	1.78E+00	1.04E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Iodine-131	-3.45E-01	6.36E-01	4.22E-01	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Iodine-131	1.85E-01	5.16E-01	3.09E-01	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Iodine-131	1.09E-01	5.23E-01	3.11E-01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Iodine-131	1.35E-01	8.76E-01	5.11E-01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Iron-55	3.19E+00	5.89E+01	4.14E+01	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Iron-55	-2.13E+01	4.31E+01	2.65E+01	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Iron-55	-1.86E+01	9.48E+01	7.04E+01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Iron-55	-3.16E+00	6.41E+01	4.28E+01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Iron-59	1.44E-01	3.76E+00	2.27E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Iron-59	-4.48E-01	3.56E+00	2.16E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Iron-59	5.17E-01	2.86E+00	1.63E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Iron-59	9.65E-01	3.47E+00	2.00E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Lanthanum-140	7.86E-01	4.10E+00	2.59E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Lanthanum-140	-2.90E-01	2.99E+00	1.78E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Lanthanum-140	3.46E-01	2.46E+00	1.61E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Lanthanum-140	-1.08E+00	3.98E+00	2.97E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Manganese-54	5.97E-01	1.75E+00	1.16E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Manganese-54	6.87E-01	1.47E+00	8.62E-01	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Manganese-54	4.92E-01	1.63E+00	9.81E-01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Manganese-54	5.65E-01	1.51E+00	9.18E-01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Nickel-63	1.87E+01	2.70E+01	1.74E+01	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Nickel-63	1.53E+00	2.04E+01	1.22E+01	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Nickel-63	-6.48E+00	2.72E+01	1.59E+01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Nickel-63	-1.24E+01	2.82E+01	1.63E+01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Niobium-95	1.46E+00	1.71E+00	3.01E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Niobium-95	1.82E-01	1.70E+00	1.43E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Niobium-95	2.42E-01	1.63E+00	9.74E-01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Niobium-95	4.98E-01	1.75E+00	1.06E+00	pCi/L

Drinking Water

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Total Strontium	-2.97E-01	9.84E-01	5.68E-01	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Total Strontium	1.51E+00	1.67E+00	1.15E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Total Strontium	-8.13E-02	8.96E-01	5.25E-01	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Total Strontium	-1.31E-01	8.08E-01	4.73E-01	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Tritium	8.87E+01	3.04E+02	1.86E+02	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Tritium	-3.91E+01	2.93E+02	1.73E+02	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Tritium	-2.19E+01	2.78E+02	1.65E+02	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Tritium	1.20E+02	2.68E+02	1.68E+02	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Zinc-65	-9.61E-01	3.18E+00	2.08E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Zinc-65	-2.85E-01	3.11E+00	1.88E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Zinc-65	1.04E+00	2.91E+00	1.95E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Zinc-65	-4.65E-01	2.92E+00	2.03E+00	pCi/L
WN2 Diablo Creek Outlet(566824002) - DW	8-Feb-22	Zirconium-95	5.17E-01	3.23E+00	1.89E+00	pCi/L
WN2 Diablo Creek Outlet(577604001) - DW	28-Apr-22	Zirconium-95	4.21E-02	2.68E+00	1.66E+00	pCi/L
WN2 Diablo Creek Outlet(586713001) - DW	18-Jul-22	Zirconium-95	7.62E-01	2.96E+00	1.76E+00	pCi/L
WN2 Diablo Creek Outlet(602818005) - DW	5-Dec-22	Zirconium-95	4.50E-01	2.67E+00	1.60E+00	pCi/L
WW2 Water Well 02 - Drinking Water						
WW2 Water Well 02(566824003) - DW	8-Feb-22	BETA	6.02E+00	3.24E+00	2.33E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	BETA	5.90E+00	3.46E+00	2.40E+00	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	BETA	5.91E+00	1.93E+00	1.72E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	BETA	5.94E+00	2.85E+00	2.17E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	BETA	3.35E+00	2.79E+00	1.88E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Barium-140	-4.75E+00	1.07E+01	6.99E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Barium-140	-3.24E+00	9.91E+00	7.03E+00	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Barium-140	-1.59E+00	1.03E+01	6.25E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Barium-140	7.49E+00	1.32E+01	8.17E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Barium-140	-1.77E+00	1.03E+01	6.49E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Cesium-134	-1.33E-01	1.70E+00	1.05E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Cesium-134	2.00E-01	1.27E+00	7.57E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Cesium-134	-6.58E-01	1.83E+00	1.21E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Cesium-134	-1.26E+00	2.59E+00	2.85E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Cesium-134	6.90E-03	1.93E+00	1.13E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Cesium-137	1.33E-01	1.63E+00	9.76E-01	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Cesium-137	2.76E-01	1.32E+00	7.79E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Cesium-137	5.81E-01	2.02E+00	1.33E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Cesium-137	4.80E-01	2.39E+00	2.82E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
WW2 Water Well 02(605327001) - DW	29-Dec-22	Cesium-137	1.56E-01	1.84E+00	1.06E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Cobalt-58	-2.75E-01	1.43E+00	1.03E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Cobalt-58	-2.64E-01	1.33E+00	8.41E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Cobalt-58	1.20E+00	1.90E+00	1.29E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Cobalt-58	-8.85E-01	2.27E+00	1.44E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Cobalt-58	-2.58E-01	1.63E+00	9.87E-01	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Cobalt-60	6.82E-01	1.94E+00	1.13E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Cobalt-60	2.75E-01	1.32E+00	7.56E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Cobalt-60	7.34E-01	2.20E+00	1.27E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Cobalt-60	-5.58E-01	2.65E+00	1.68E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Cobalt-60	3.63E-01	1.73E+00	1.03E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Iodine-131	-2.17E-01	5.23E-01	3.37E-01	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Iodine-131	-3.39E-01	7.11E-01	4.57E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Iodine-131	1.84E-01	7.02E-01	4.05E-01	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Iodine-131	1.92E-01	7.27E-01	4.39E-01	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Iodine-131	-3.93E-01	7.57E-01	4.94E-01	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Iron-55	4.61E+01	6.51E+01	4.84E+01	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Iron-55	-2.51E+01	4.44E+01	2.69E+01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Iron-55	-2.69E+01	1.08E+02	8.08E+01	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Iron-55	-4.81E+00	4.82E+01	3.06E+01	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Iron-55	4.08E+01	1.41E+02	1.08E+02	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Iron-59	-4.35E+00	3.49E+00	3.66E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Iron-59	-9.65E-01	2.99E+00	1.87E+00	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Iron-59	5.22E-01	3.94E+00	2.54E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Iron-59	-4.93E-01	5.29E+00	3.19E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Iron-59	-5.55E-01	3.95E+00	2.44E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Lanthanum-140	-2.55E+00	3.52E+00	3.44E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Lanthanum-140	5.23E-02	3.92E+00	2.32E+00	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Lanthanum-140	-2.96E+00	3.42E+00	2.71E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Lanthanum-140	-5.61E-01	4.77E+00	2.85E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Lanthanum-140	3.64E-02	4.02E+00	2.36E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Manganese-54	-1.92E-01	1.52E+00	9.50E-01	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Manganese-54	7.72E-01	1.38E+00	8.53E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Manganese-54	1.08E+00	1.80E+00	1.22E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Manganese-54	-6.66E-01	2.34E+00	1.44E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Manganese-54	-6.18E-01	1.56E+00	1.01E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Nickel-63	3.30E+00	2.82E+01	1.70E+01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
WW2 Water Well 02(576850001) - DW	21-Apr-22	Nickel-63	9.41E+00	2.15E+01	1.34E+01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Nickel-63	-4.66E+00	2.93E+01	1.72E+01	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Nickel-63	-5.12E+00	3.80E+01	2.24E+01	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Nickel-63	2.44E+01	3.14E+01	2.00E+01	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Niobium-95	1.38E+00	1.59E+00	1.15E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Niobium-95	3.72E-02	1.48E+00	8.91E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Niobium-95	-7.63E-01	1.71E+00	1.30E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Niobium-95	-2.49E+00	2.39E+00	2.45E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Niobium-95	1.24E-01	1.94E+00	1.28E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Total Strontium	-5.80E-01	1.20E+00	6.77E-01	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Total Strontium	-4.71E-02	1.30E+00	7.71E-01	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Total Strontium	3.21E-01	1.53E+00	9.33E-01	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Total Strontium	-3.82E-01	8.22E-01	4.55E-01	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Total Strontium	-4.13E-01	1.07E+00	6.02E-01	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Tritium	4.06E+01	3.00E+02	1.81E+02	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Tritium	8.96E+01	2.80E+02	1.72E+02	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Tritium	1.87E+01	2.75E+02	1.65E+02	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Tritium	-1.56E+02	2.85E+02	1.61E+02	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Tritium	7.02E+01	2.65E+02	1.63E+02	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Zinc-65	4.88E-01	3.35E+00	2.17E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Zinc-65	5.80E-01	2.73E+00	1.74E+00	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Zinc-65	2.94E-01	3.93E+00	2.56E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Zinc-65	-8.78E-02	5.07E+00	3.45E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Zinc-65	6.68E-01	3.70E+00	2.48E+00	pCi/L
WW2 Water Well 02(566824003) - DW	8-Feb-22	Zirconium-95	1.33E+00	3.36E+00	2.79E+00	pCi/L
WW2 Water Well 02(576850001) - DW	21-Apr-22	Zirconium-95	-1.92E-01	2.61E+00	1.60E+00	pCi/L
WW2 Water Well 02(585550003) - DW	11-Jul-22	Zirconium-95	1.21E-01	3.44E+00	2.08E+00	pCi/L
WW2 Water Well 02(598810004) - DW	31-Oct-22	Zirconium-95	1.20E+00	4.06E+00	2.45E+00	pCi/L
WW2 Water Well 02(605327001) - DW	29-Dec-22	Zirconium-95	-3.11E-01	3.24E+00	1.99E+00	pCi/L
2F1 Morro Bay - Market Fish						
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Cesium-134	1.61E+00	1.66E+01	9.85E+00	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Cesium-134	2.80E+00	4.50E+00	2.80E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Cesium-134	-3.45E-01	3.59E+00	2.25E+00	pCi/kg
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Cesium-137	1.24E+01	1.81E+01	1.14E+01	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Cesium-137	5.07E+00	5.07E+00	3.98E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Cesium-137	1.25E+01	3.49E+00	5.01E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Cobalt-58	-3.64E-02	1.76E+01	1.06E+01	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Cobalt-58	-3.64E-01	3.86E+00	2.39E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Cobalt-58	-1.80E+00	4.11E+00	2.81E+00	pCi/kg
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Cobalt-60	4.45E-02	1.76E+01	1.04E+01	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Cobalt-60	-1.76E+00	4.46E+00	3.88E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Cobalt-60	3.87E-01	4.05E+00	2.72E+00	pCi/kg
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Iron-59	1.25E+01	3.93E+01	2.37E+01	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Iron-59	2.58E+00	1.05E+01	6.01E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Iron-59	2.67E+00	1.22E+01	7.10E+00	pCi/kg
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Manganese-54	1.26E+00	1.65E+01	9.88E+00	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Manganese-54	6.25E-01	4.05E+00	2.44E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Manganese-54	1.02E+00	3.37E+00	1.93E+00	pCi/kg
2F1 Morro Bay(567646001) - FH Market	14-Feb-22	Zinc-65	3.84E+00	3.70E+01	2.57E+01	pCi/kg
2F1 Morro Bay(576846001) - FH Market	25-May-22	Zinc-65	2.87E+00	1.03E+01	6.58E+00	pCi/kg
2F1 Morro Bay(598813001) - FH Market	2-Nov-22	Zinc-65	4.27E-01	9.57E+00	5.62E+00	pCi/kg

7C2 Rattlesnake Canyon - Fish (Perch)

7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Cesium-134	1.29E+01	1.87E+01	1.72E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Cesium-134	7.01E-01	5.21E+00	2.97E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Cesium-134	2.22E-01	2.03E+01	1.23E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Cesium-134	1.33E+01	2.44E+01	1.46E+01	pCi/kg
7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Cesium-137	1.23E+01	1.88E+01	1.18E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Cesium-137	1.35E+01	4.14E+00	6.26E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Cesium-137	1.45E+00	2.01E+01	1.22E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Cesium-137	2.10E+01	2.10E+01	2.12E+01	pCi/kg
7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Cobalt-58	2.83E+00	1.77E+01	1.07E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Cobalt-58	9.50E-01	5.35E+00	3.42E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Cobalt-58	2.77E+00	2.26E+01	1.52E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Cobalt-58	-9.28E+00	2.17E+01	1.45E+01	pCi/kg
7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Cobalt-60	1.10E+01	2.02E+01	1.19E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Cobalt-60	-9.30E-02	5.96E+00	3.60E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Cobalt-60	3.26E+00	2.17E+01	1.36E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Cobalt-60	-2.56E+00	2.51E+01	1.59E+01	pCi/kg
7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Iron-59	9.00E-01	4.08E+01	2.39E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Iron-59	1.16E+00	1.56E+01	9.16E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Iron-59	-3.03E+01	4.78E+01	3.47E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Iron-59	-2.64E+01	4.88E+01	3.52E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Manganese-54	7.84E+00	1.77E+01	1.08E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Manganese-54	-1.55E+00	4.54E+00	2.84E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Manganese-54	3.04E+00	1.90E+01	1.28E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Manganese-54	-3.97E+00	2.15E+01	1.33E+01	pCi/kg
7C2 Rattlesnake Canyon(567646002) - FH Perch	10-Feb-22	Zinc-65	1.03E+01	3.90E+01	2.24E+01	pCi/kg
7C2 Rattlesnake Canyon(578418002) - FH Perch	4-May-22	Zinc-65	-4.42E-02	1.25E+01	8.48E+00	pCi/kg
7C2 Rattlesnake Canyon(588831002) - FH Perch	26-Jul-22	Zinc-65	-8.99E+00	4.64E+01	2.92E+01	pCi/kg
7C2 Rattlesnake Canyon(602130001) - FH Perch	16-Nov-22	Zinc-65	-2.07E+01	4.67E+01	3.22E+01	pCi/kg

7C2 Rattlesnake Canyon - Fish (Rockfish)

7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Cesium-134	7.44E+00	3.11E+01	1.79E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Cesium-134	7.00E-02	4.13E+00	2.47E+00	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Cesium-134	-4.67E-01	1.96E+01	1.22E+01	pCi/kg
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Cesium-134	4.71E+00	2.16E+01	1.31E+01	pCi/kg
7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Cesium-137	2.08E+00	2.95E+01	1.82E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Cesium-137	1.33E+01	3.91E+00	5.57E+00	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Cesium-137	1.48E+00	2.04E+01	1.24E+01	pCi/kg
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Cesium-137	-8.86E+00	2.05E+01	1.57E+01	pCi/kg
7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Cobalt-58	-6.73E-01	3.02E+01	1.77E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Cobalt-58	-2.39E+00	4.64E+00	3.92E+00	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Cobalt-58	-5.48E+00	2.07E+01	1.35E+01	pCi/kg
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Cobalt-58	2.24E+00	2.34E+01	1.43E+01	pCi/kg
7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Cobalt-60	4.36E+00	3.31E+01	1.96E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Cobalt-60	1.20E+00	5.47E+00	3.12E+00	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Cobalt-60	9.15E+00	2.09E+01	1.33E+01	pCi/kg
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Cobalt-60	-1.88E+01	1.73E+01	1.56E+01	pCi/kg
7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Iron-59	4.37E+01	6.66E+01	4.43E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Iron-59	-2.78E+00	1.35E+01	8.66E+00	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Iron-59	-5.32E+00	4.85E+01	2.91E+01	pCi/kg
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Iron-59	-1.25E+01	5.10E+01	3.21E+01	pCi/kg
7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Manganese-54	-8.68E+00	2.63E+01	1.67E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Manganese-54	-7.78E-01	4.04E+00	2.53E+00	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Manganese-54	-8.99E-01	1.71E+01	1.20E+01	pCi/kg
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Manganese-54	-1.54E+01	1.83E+01	1.48E+01	pCi/kg
7C2 Rattlesnake Canyon(567645001) - FH Rockfsh	10-Feb-22	Zinc-65	7.86E+00	5.90E+01	3.91E+01	pCi/kg
7C2 Rattlesnake Canyon(578419002) - FH Rockfsh	4-May-22	Zinc-65	7.55E+00	1.16E+01	1.12E+01	pCi/kg
7C2 Rattlesnake Canyon(588817004) - FH Rockfsh	26-Jul-22	Zinc-65	-1.06E+00	4.33E+01	2.55E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(602129001) - FH Rockfsh	16-Nov-22	Zinc-65	1.98E-01	4.66E+01	2.77E+01	pCi/kg
7D3 Avila Pier - Market Fish						
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Cesium-134	6.14E+00	2.04E+01	1.17E+01	pCi/kg
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Cesium-137	1.62E+01	1.98E+01	1.64E+01	pCi/kg
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Cobalt-58	2.18E-02	1.86E+01	1.08E+01	pCi/kg
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Cobalt-60	-1.09E+00	1.91E+01	1.18E+01	pCi/kg
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Iron-59	-1.01E+00	3.92E+01	2.36E+01	pCi/kg
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Manganese-54	3.19E+00	1.87E+01	1.08E+01	pCi/kg
7D3 Avila Pier(588831003) - FH Market	8-Aug-22	Zinc-65	-8.80E+00	3.83E+01	2.43E+01	pCi/kg
DCM Diablo Cove Marine - Fish (Perch)						
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Cesium-134	4.42E+00	1.73E+01	1.03E+01	pCi/kg
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Cesium-134	6.44E-01	9.70E+00	5.86E+00	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Cesium-134	1.91E+00	2.47E+01	1.50E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Cesium-134	-6.35E-01	1.92E+01	1.18E+01	pCi/kg
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Cesium-137	2.29E+00	1.75E+01	1.05E+01	pCi/kg
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Cesium-137	6.93E+00	1.06E+01	6.58E+00	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Cesium-137	2.60E+00	2.33E+01	1.39E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Cesium-137	1.63E+01	1.63E+01	1.95E+01	pCi/kg
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Cobalt-58	2.14E+00	1.59E+01	9.61E+00	pCi/kg
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Cobalt-58	-6.87E-01	9.93E+00	6.16E+00	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Cobalt-58	-5.60E+00	2.12E+01	1.39E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Cobalt-58	2.15E+00	1.95E+01	1.17E+01	pCi/kg
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Cobalt-60	7.10E+00	1.73E+01	9.92E+00	pCi/kg
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Cobalt-60	5.05E-01	1.06E+01	6.22E+00	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Cobalt-60	-1.29E+01	1.88E+01	1.66E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Cobalt-60	4.29E+00	2.23E+01	1.44E+01	pCi/kg
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Iron-59	-6.63E+00	3.76E+01	2.29E+01	pCi/kg
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Iron-59	-4.64E+00	2.71E+01	1.64E+01	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Iron-59	-1.42E+00	4.87E+01	2.87E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Iron-59	-6.17E+00	4.31E+01	3.17E+01	pCi/kg
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Manganese-54	1.16E+00	1.52E+01	9.23E+00	pCi/kg
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Manganese-54	1.91E+00	1.03E+01	6.18E+00	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Manganese-54	5.89E+00	2.27E+01	1.51E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Manganese-54	3.25E+00	1.83E+01	1.10E+01	pCi/kg
DCM Diablo Cove Marine(567646004) - FH Perch	11-Feb-22	Zinc-65	-6.94E+00	3.36E+01	2.06E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(578418001) - FH Perch	19-Apr-22	Zinc-65	7.87E+00	2.36E+01	1.35E+01	pCi/kg
DCM Diablo Cove Marine(588831004) - FH Perch	10-Aug-22	Zinc-65	-1.83E+00	5.57E+01	3.28E+01	pCi/kg
DCM Diablo Cove Marine(602130004) - FH Perch	17-Nov-22	Zinc-65	2.15E+00	4.01E+01	2.49E+01	pCi/kg

DCM Diablo Cove Marine - Fish (Rockfish)

DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Cesium-134	1.44E+01	2.45E+01	1.62E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Cesium-134	3.87E+00	1.44E+01	8.55E+00	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Cesium-134	7.13E+00	2.03E+01	1.21E+01	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Cesium-134	1.39E+01	2.11E+01	1.37E+01	pCi/kg
DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Cesium-137	5.13E+00	2.17E+01	1.29E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Cesium-137	8.24E+00	1.41E+01	8.66E+00	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Cesium-137	1.18E+01	1.72E+01	1.68E+01	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Cesium-137	1.27E+01	1.85E+01	1.74E+01	pCi/kg
DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Cobalt-58	-1.16E+01	1.94E+01	1.41E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Cobalt-58	6.51E-01	1.44E+01	8.71E+00	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Cobalt-58	-1.61E+00	1.54E+01	9.56E+00	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Cobalt-58	-1.01E+01	1.94E+01	1.37E+01	pCi/kg
DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Cobalt-60	-6.20E+00	1.94E+01	1.26E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Cobalt-60	-4.69E+00	1.14E+01	8.77E+00	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Cobalt-60	-3.32E+00	1.44E+01	1.05E+01	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Cobalt-60	-2.83E+00	2.05E+01	1.24E+01	pCi/kg
DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Iron-59	5.04E-01	4.25E+01	2.48E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Iron-59	7.07E+00	3.80E+01	2.17E+01	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Iron-59	2.74E+00	3.26E+01	2.00E+01	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Iron-59	-9.69E+00	4.99E+01	3.13E+01	pCi/kg
DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Manganese-54	-2.25E+00	2.08E+01	1.30E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Manganese-54	2.36E+00	1.29E+01	7.74E+00	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Manganese-54	-4.00E+00	1.67E+01	1.07E+01	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Manganese-54	4.63E+00	2.01E+01	1.18E+01	pCi/kg
DCM Diablo Cove Marine(567645002) - FH Rockfsh	11-Feb-22	Zinc-65	3.28E+00	4.06E+01	2.65E+01	pCi/kg
DCM Diablo Cove Marine(578419001) - FH Rockfsh	19-Apr-22	Zinc-65	1.87E+01	3.00E+01	1.92E+01	pCi/kg
DCM Diablo Cove Marine(588817005) - FH Rockfsh	10-Aug-22	Zinc-65	-1.21E+01	3.32E+01	2.30E+01	pCi/kg
DCM Diablo Cove Marine(602129002) - FH Rockfsh	17-Nov-22	Zinc-65	-3.03E+01	4.18E+01	3.09E+01	pCi/kg

PON Pacific Ocean North of Diablo Cove - Fisch (Perch)

PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Cesium-134	1.16E+01	1.83E+01	1.46E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Cesium-134	-9.01E-01	4.67E+00	2.96E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Cesium-134	1.24E+00	2.25E+01	1.56E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Cesium-134	1.05E+01	1.90E+01	1.20E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Cesium-137	1.55E+01	2.05E+01	1.33E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Cesium-137	5.61E+00	3.91E+00	4.72E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Cesium-137	2.26E+01	1.77E+01	1.63E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Cesium-137	1.39E+01	1.75E+01	1.46E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Cobalt-58	-3.75E+00	1.86E+01	1.13E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Cobalt-58	6.93E-01	5.80E+00	3.50E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Cobalt-58	-2.83E+00	2.19E+01	1.40E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Cobalt-58	4.50E+00	2.10E+01	1.29E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Cobalt-60	1.25E+01	2.25E+01	1.35E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Cobalt-60	4.02E-01	4.22E+00	2.45E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Cobalt-60	5.28E+00	2.04E+01	1.18E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Cobalt-60	2.41E+00	1.95E+01	1.14E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Iron-59	4.52E+00	4.21E+01	2.48E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Iron-59	-2.10E+00	1.61E+01	9.59E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Iron-59	1.72E+01	5.80E+01	3.34E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Iron-59	-6.27E+00	4.35E+01	2.69E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Manganese-54	2.66E+00	1.80E+01	1.04E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Manganese-54	1.28E+00	4.47E+00	2.69E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Manganese-54	4.21E+00	2.03E+01	1.23E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Manganese-54	2.26E+00	1.79E+01	1.05E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567646005) - FH Perch	8-Feb-22	Zinc-65	3.38E+00	4.54E+01	2.70E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578418003) - FH Perch	19-Apr-22	Zinc-65	6.19E+00	1.16E+01	7.54E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588831005) - FH Perch	26-Jul-22	Zinc-65	1.44E+01	5.08E+01	2.95E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602130006) - FH Perch	17-Nov-22	Zinc-65	-4.90E+00	4.21E+01	2.59E+01	pCi/kg

PON Pacific Ocean North of Diablo Cove - Fish (Rockfish)

PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Cesium-134	-2.27E+00	1.93E+01	1.16E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Cesium-134	3.27E+00	6.72E+00	4.08E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Cesium-134	4.87E+00	2.09E+01	1.25E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Cesium-134	1.89E+00	2.25E+01	1.32E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Cesium-137	8.82E+00	1.96E+01	1.22E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Cesium-137	2.88E+00	5.46E+00	8.78E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Cesium-137	1.06E+01	2.20E+01	1.34E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Cesium-137	7.56E+00	2.31E+01	1.42E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Cobalt-58	4.56E+00	2.10E+01	1.22E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Cobalt-58	-1.93E+00	5.72E+00	3.74E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Cobalt-58	2.05E+00	2.23E+01	1.35E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Cobalt-58	-1.05E+01	2.59E+01	1.70E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Cobalt-60	-3.02E+00	1.94E+01	1.23E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Cobalt-60	3.27E+00	6.87E+00	4.54E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Cobalt-60	5.81E+00	2.44E+01	1.41E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Cobalt-60	1.71E+01	2.90E+01	1.72E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Iron-59	2.55E+01	4.14E+01	3.41E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Iron-59	5.08E+00	1.89E+01	1.10E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Iron-59	-2.60E+01	4.61E+01	3.22E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Iron-59	-2.58E+01	5.56E+01	3.91E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Manganese-54	-4.88E+00	1.75E+01	1.10E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Manganese-54	3.57E+00	6.31E+00	4.30E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Manganese-54	-1.19E+00	1.69E+01	1.06E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Manganese-54	-6.21E+00	2.24E+01	1.62E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(567645003) - FH Rockfsh	8-Feb-22	Zinc-65	-2.41E+00	3.99E+01	2.44E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(578419003) - FH Rockfsh	19-Apr-22	Zinc-65	3.71E+00	1.49E+01	8.67E+00	pCi/kg
PON Pacific Ocean North of Diablo Cove(588817008) - FH Rockfsh	26-Jul-22	Zinc-65	-1.02E+01	4.35E+01	2.79E+01	pCi/kg
PON Pacific Ocean North of Diablo Cove(602129007) - FH Rockfsh	17-Nov-22	Zinc-65	6.92E+00	5.89E+01	4.05E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove - Fish (Perch)						
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Cesium-134	-1.44E+00	1.79E+01	1.12E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Cesium-134	1.71E+00	4.49E+00	2.60E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Cesium-134	1.11E+01	2.78E+01	1.66E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Cesium-134	-9.89E+00	1.89E+01	1.38E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Cesium-137	1.64E+01	2.26E+01	1.44E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Cesium-137	7.80E+00	4.09E+00	5.78E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Cesium-137	-7.45E+00	2.67E+01	2.02E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Cesium-137	4.36E+00	2.13E+01	1.31E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Cobalt-58	-8.79E+00	1.93E+01	1.35E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Cobalt-58	5.29E-01	4.77E+00	2.74E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Cobalt-58	2.35E+01	2.81E+01	1.83E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Cobalt-58	1.27E+01	2.41E+01	1.50E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Cobalt-60	8.76E+00	2.21E+01	1.27E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Cobalt-60	2.10E+00	4.94E+00	2.94E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Cobalt-60	-1.97E+00	2.75E+01	1.65E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Cobalt-60	-1.74E+00	2.02E+01	1.25E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Iron-59	-5.36E+00	4.64E+01	2.79E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Iron-59	-3.87E+00	1.28E+01	8.12E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Iron-59	-6.34E+00	6.12E+01	3.85E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Iron-59	-5.61E+00	5.22E+01	3.20E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Manganese-54	-1.65E+01	1.95E+01	2.13E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Manganese-54	1.53E+00	4.55E+00	2.64E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Manganese-54	-7.27E-01	2.44E+01	1.48E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Manganese-54	1.55E+00	2.01E+01	1.17E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567646006) - FH Perch	10-Feb-22	Zinc-65	1.28E+01	5.14E+01	2.96E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578418004) - FH Perch	4-May-22	Zinc-65	-4.59E+00	1.05E+01	6.89E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588831006) - FH Perch	9-Aug-22	Zinc-65	1.51E+00	5.20E+01	3.66E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602130007) - FH Perch	16-Nov-22	Zinc-65	1.80E+01	4.94E+01	2.90E+01	pCi/kg

POS Pacific Ocean South of Diablo Cove - Fish (Rockfish)

POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Cesium-134	-8.30E-01	2.16E+01	1.44E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Cesium-134	1.34E+01	1.46E+01	1.21E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Cesium-134	-3.66E-02	1.90E+01	1.11E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Cesium-134	-1.69E+00	1.69E+01	1.05E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Cesium-137	5.60E+00	2.04E+01	1.23E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Cesium-137	5.44E+00	1.18E+01	1.11E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Cesium-137	1.35E+01	2.00E+01	1.28E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Cesium-137	9.27E+00	1.85E+01	1.13E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Cobalt-58	3.07E+00	1.76E+01	1.13E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Cobalt-58	1.01E+00	1.15E+01	6.90E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Cobalt-58	6.64E+00	1.66E+01	9.56E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Cobalt-58	-3.52E+00	1.78E+01	1.14E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Cobalt-60	-5.68E+00	1.99E+01	1.34E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Cobalt-60	3.23E+00	1.08E+01	6.10E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Cobalt-60	1.67E+00	1.96E+01	1.18E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Cobalt-60	3.24E-01	1.90E+01	1.11E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Iron-59	-3.09E+01	4.19E+01	3.68E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Iron-59	5.41E-01	2.01E+01	1.16E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Iron-59	7.69E+00	3.71E+01	2.17E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Iron-59	-1.74E+01	4.58E+01	3.17E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Manganese-54	3.18E+00	2.01E+01	1.31E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Manganese-54	2.13E+00	1.19E+01	7.13E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Manganese-54	-2.74E-01	1.65E+01	9.64E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Manganese-54	-8.30E-01	1.80E+01	1.11E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(567645004) - FH Rockfsh	10-Feb-22	Zinc-65	1.43E+01	4.72E+01	2.78E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(578419004) - FH Rockfsh	4-May-22	Zinc-65	1.67E+00	2.29E+01	1.48E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(588817009) - FH Rockfsh	9-Aug-22	Zinc-65	2.87E+00	4.00E+01	2.38E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602129008) - FH Rockfsh	16-Nov-22	Zinc-65	-7.40E+00	3.53E+01	2.33E+01	pCi/kg
8S3 DCSF96-1 - Groundwater						
8S3 DCSF96-1(570446001) - GW	10-Feb-22	BETA	6.33E+00	1.69E+00	1.55E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	BETA	1.79E+01	2.22E+00	3.44E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	BETA	3.69E+01	7.67E+00	8.09E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	BETA	2.46E+01	5.62E+00	5.80E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	BETA	8.55E+02	3.62E+01	1.49E+02	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	BETA	4.92E+00	5.25E+00	3.40E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Barium-140	6.04E+00	1.09E+01	6.67E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Barium-140	3.06E+00	1.05E+01	6.04E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Barium-140	-3.77E+00	8.95E+00	5.90E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Barium-140	2.71E+00	9.38E+00	5.53E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Barium-140	-1.45E-01	8.58E+00	4.98E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Barium-140	5.18E-01	1.03E+01	6.85E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Cesium-134	2.54E-01	1.86E+00	1.12E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Cesium-134	3.11E-01	2.07E+00	1.21E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Cesium-134	1.42E-01	2.03E+00	1.24E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Cesium-134	-7.39E-01	1.40E+00	1.37E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Cesium-134	2.14E-01	2.02E+00	1.67E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Cesium-134	-6.92E-02	1.92E+00	1.67E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Cesium-137	-2.44E-01	1.58E+00	9.74E-01	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Cesium-137	5.62E-02	1.93E+00	1.88E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Cesium-137	8.57E-02	1.66E+00	2.97E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Cesium-137	3.16E-01	1.36E+00	8.06E-01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Cesium-137	5.29E+00	1.91E+00	2.29E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Cesium-137	-4.24E-01	1.75E+00	1.24E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Cobalt-58	-5.29E-01	1.39E+00	9.35E-01	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Cobalt-58	2.17E-01	1.66E+00	1.10E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Cobalt-58	-2.64E-03	1.74E+00	1.07E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Cobalt-58	5.47E-01	1.43E+00	8.63E-01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Cobalt-58	6.33E-01	1.72E+00	1.14E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Cobalt-58	7.80E-01	1.84E+00	1.11E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Cobalt-60	1.08E+00	1.77E+00	1.55E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Cobalt-60	-1.01E-01	1.87E+00	1.10E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Cobalt-60	1.30E+00	1.95E+00	1.96E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Cobalt-60	1.93E-01	1.43E+00	8.33E-01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Cobalt-60	-9.83E-01	1.88E+00	1.27E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Cobalt-60	-2.75E-01	1.83E+00	1.12E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Iodine-131	3.17E+00	4.16E+00	4.50E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Iodine-131	1.50E+00	4.60E+00	2.79E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Iodine-131	8.47E-01	3.26E+00	1.93E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Iodine-131	-1.55E+00	4.08E+00	2.54E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Iodine-131	-9.36E-01	3.33E+00	2.12E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Iodine-131	7.84E-01	4.07E+00	2.50E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Iron-55	3.80E+00	6.56E+01	4.67E+01	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Iron-55	-1.98E+01	3.84E+01	2.35E+01	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Iron-55	2.77E+01	1.17E+02	8.55E+01	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Iron-55	3.04E+01	5.90E+01	4.15E+01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Iron-55	-3.90E+01	4.40E+01	2.63E+01	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Iron-55	-2.15E+01	5.83E+01	3.65E+01	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Iron-59	-3.12E-01	3.07E+00	1.82E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Iron-59	-1.08E+00	3.84E+00	2.48E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Iron-59	1.48E+00	3.89E+00	2.25E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Iron-59	6.16E-02	2.98E+00	1.73E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Iron-59	-2.19E-01	3.69E+00	2.27E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Iron-59	-2.63E-01	3.60E+00	2.13E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Lanthanum-140	-1.88E-01	3.65E+00	2.52E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Lanthanum-140	-2.17E+00	3.63E+00	2.58E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Lanthanum-140	-2.35E+00	3.35E+00	3.39E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Lanthanum-140	-3.47E-01	3.37E+00	2.06E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Lanthanum-140	6.09E-01	3.25E+00	1.89E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Lanthanum-140	4.94E-01	3.79E+00	2.37E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Manganese-54	-6.85E-01	1.76E+00	1.91E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Manganese-54	1.84E-01	1.77E+00	1.04E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Manganese-54	2.02E-01	1.62E+00	9.87E-01	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Manganese-54	1.76E-01	1.30E+00	7.86E-01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Manganese-54	-4.55E-01	1.71E+00	1.07E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Manganese-54	1.53E-01	1.69E+00	1.01E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Nickel-63	5.44E+00	2.85E+01	1.73E+01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Nickel-63	1.10E+00	1.98E+01	1.18E+01	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Nickel-63	-5.96E+00	2.86E+01	1.67E+01	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Nickel-63	6.65E+00	3.01E+01	1.83E+01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Nickel-63	-4.21E+00	3.90E+01	2.31E+01	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Nickel-63	-9.52E+00	2.79E+01	1.61E+01	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Niobium-95	7.53E-01	1.79E+00	1.08E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Niobium-95	6.86E-01	1.87E+00	1.10E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Niobium-95	-3.10E-02	1.74E+00	1.07E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Niobium-95	5.85E-01	1.41E+00	8.53E-01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Niobium-95	-2.20E-01	2.02E+00	1.96E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Niobium-95	-1.53E+00	2.01E+00	1.98E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Total Strontium	9.10E-01	1.39E+00	9.17E-01	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Total Strontium	1.24E+00	1.61E+00	1.08E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Total Strontium	9.80E-01	1.26E+00	8.49E-01	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Total Strontium	-1.29E-01	9.79E-01	5.72E-01	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Total Strontium	-1.84E+00	2.14E+00	1.20E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Total Strontium	-5.59E-01	1.15E+00	6.28E-01	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Tritium	-1.15E+01	3.17E+02	1.88E+02	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Tritium	-1.45E+01	2.88E+02	1.71E+02	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Tritium	1.53E+02	2.75E+02	1.75E+02	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Tritium	8.99E+01	3.49E+02	2.11E+02	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Tritium	8.94E+02	1.39E+03	8.91E+02	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Tritium	8.14E+01	3.63E+02	2.19E+02	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Zinc-65	-1.20E+00	3.26E+00	2.08E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Zinc-65	5.21E-01	3.76E+00	2.25E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Zinc-65	-9.90E-01	2.82E+00	1.96E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Zinc-65	1.27E+00	2.97E+00	1.91E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Zinc-65	1.47E+00	4.12E+00	2.80E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Zinc-65	-1.18E-02	3.55E+00	2.38E+00	pCi/L
8S3 DCSF96-1(570446001) - GW	10-Feb-22	Zirconium-95	4.67E-01	3.15E+00	1.88E+00	pCi/L
8S3 DCSF96-1(576101001) - GW	28-Apr-22	Zirconium-95	1.82E+00	3.48E+00	2.10E+00	pCi/L
8S3 DCSF96-1(588455001) - GW	1-Aug-22	Zirconium-95	1.82E-02	2.94E+00	1.80E+00	pCi/L
8S3 DCSF96-1(594988002) - GW	30-Sep-22	Zirconium-95	-7.30E-01	2.20E+00	1.44E+00	pCi/L
8S3 DCSF96-1(598812002) - GW	31-Oct-22	Zirconium-95	-2.85E-01	3.13E+00	1.88E+00	pCi/L
8S3 DCSF96-1(604617003) - GW	20-Dec-22	Zirconium-95	-5.50E-01	3.05E+00	1.89E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DY1 Drywell 115 - Groundwater						
DY1 Drywell 115(589515001) - GW	2-Aug-22	BETA	3.77E+01	4.74E+00	7.47E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	BETA	4.17E+01	3.61E+00	7.53E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Barium-140	1.31E+01	2.01E+01	1.27E+01	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Barium-140	4.73E+00	1.23E+01	7.35E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Cesium-134	-9.29E-02	2.26E+00	1.38E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Cesium-134	1.29E+00	1.76E+00	1.17E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Cesium-137	3.07E+00	1.99E+00	2.91E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Cesium-137	2.03E-02	1.67E+00	1.38E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Cobalt-58	3.16E-01	2.50E+00	1.50E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Cobalt-58	6.85E-02	1.52E+00	9.29E-01	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Cobalt-60	1.07E+02	1.79E+00	1.05E+01	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Cobalt-60	3.79E-01	1.75E+00	1.02E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Iodine-131	6.71E-01	1.04E+01	5.98E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Iodine-131	-1.04E+00	5.66E+00	3.38E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Iron-55	-1.22E+01	1.00E+02	7.14E+01	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Iron-55	-2.12E+01	4.87E+01	3.02E+01	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Iron-59	1.44E+00	5.46E+00	3.15E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Iron-59	-1.33E+00	3.15E+00	2.07E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Lanthanum-140	-7.85E-01	5.33E+00	3.74E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Lanthanum-140	-5.17E+00	4.05E+00	6.13E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Manganese-54	1.45E+00	1.99E+00	2.65E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Manganese-54	9.66E-01	1.56E+00	9.79E-01	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Nickel-63	9.19E+00	2.66E+01	1.64E+01	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Nickel-63	4.10E+00	3.71E+01	2.23E+01	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Niobium-95	-3.71E-01	2.44E+00	1.50E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Niobium-95	2.70E-01	1.73E+00	1.05E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Total Strontium	-1.54E-01	9.34E-01	5.42E-01	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Total Strontium	-4.33E-02	5.31E-01	3.11E-01	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Tritium	1.59E+04	2.61E+02	3.12E+03	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Tritium	7.69E+03	3.39E+02	1.53E+03	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Zinc-65	2.84E-01	4.27E+00	2.78E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Zinc-65	2.70E-01	3.09E+00	1.79E+00	pCi/L
DY1 Drywell 115(589515001) - GW	2-Aug-22	Zirconium-95	-1.58E+00	3.85E+00	2.53E+00	pCi/L
DY1 Drywell 115(598812004) - GW	26-Oct-22	Zirconium-95	-1.11E-01	3.01E+00	1.85E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
GW1 Groundwater Monitoring Well 1						
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	BETA	6.97E+00	2.21E+01	1.34E+01	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	BETA	1.28E+01	1.11E+01	7.31E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	BETA	4.58E+00	1.40E+01	8.51E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	BETA	4.09E+00	9.39E+00	5.78E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Barium-140	4.75E+00	1.14E+01	6.82E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Barium-140	-4.58E+00	1.10E+01	7.23E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Barium-140	-6.30E-01	8.63E+00	5.20E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Barium-140	-1.03E+00	1.22E+01	7.45E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Cesium-134	1.44E+00	2.34E+00	2.37E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Cesium-134	4.03E-01	2.32E+00	1.41E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Cesium-134	1.77E+00	1.88E+00	1.97E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Cesium-134	6.97E-01	2.29E+00	1.40E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Cesium-137	-7.78E-01	2.07E+00	1.50E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Cesium-137	7.89E-01	2.20E+00	3.20E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Cesium-137	1.28E+00	1.98E+00	1.36E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Cesium-137	5.11E-02	2.21E+00	2.71E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Cobalt-58	-2.43E-01	1.89E+00	1.32E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Cobalt-58	2.52E-01	2.14E+00	1.46E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Cobalt-58	-1.06E+00	1.64E+00	1.20E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Cobalt-58	4.78E-01	2.08E+00	1.42E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Cobalt-60	-4.69E-01	1.80E+00	1.29E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Cobalt-60	-9.81E-01	2.17E+00	1.44E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Cobalt-60	-1.07E-01	1.83E+00	1.10E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Cobalt-60	8.92E-01	2.35E+00	1.53E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Iodine-131	-1.44E+00	4.02E+00	2.46E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Iodine-131	1.02E+00	4.51E+00	2.67E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Iodine-131	-5.51E-01	3.38E+00	2.00E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Iodine-131	-2.05E+00	4.72E+00	3.04E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Iron-55	2.13E+01	6.79E+01	4.89E+01	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Iron-55	-4.10E+01	7.03E+01	4.75E+01	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Iron-55	2.95E+01	9.60E+01	7.08E+01	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Iron-55	1.05E+01	5.93E+01	3.88E+01	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Iron-59	9.35E-01	4.47E+00	2.56E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Iron-59	1.81E+00	4.39E+00	3.04E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Iron-59	-4.29E-01	3.42E+00	2.05E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Iron-59	-2.70E-01	4.59E+00	2.71E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Lanthanum-140	2.04E+00	4.25E+00	2.53E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Lanthanum-140	6.53E-01	4.06E+00	2.69E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Lanthanum-140	-8.13E-01	3.06E+00	1.97E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Lanthanum-140	-2.23E+00	3.86E+00	3.12E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Manganese-54	1.68E-01	2.07E+00	1.40E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Manganese-54	-4.19E-01	2.02E+00	1.29E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Manganese-54	-2.47E-01	1.70E+00	1.07E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Manganese-54	6.32E-01	2.07E+00	1.33E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Nickel-63	5.08E+00	2.61E+01	1.58E+01	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Nickel-63	1.40E+01	2.25E+01	1.43E+01	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Nickel-63	-2.52E+00	2.57E+01	1.52E+01	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Nickel-63	-7.48E+00	2.74E+01	1.60E+01	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Niobium-95	3.42E-01	2.14E+00	1.43E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Niobium-95	1.64E+00	2.49E+00	1.75E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Niobium-95	1.00E+00	1.85E+00	1.15E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Niobium-95	2.80E+00	2.80E+00	2.75E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Total Strontium	-9.40E-01	1.43E+00	7.68E-01	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Total Strontium	8.07E-01	1.43E+00	9.34E-01	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Total Strontium	5.03E-01	1.45E+00	9.11E-01	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Total Strontium	3.21E-01	1.03E+00	6.56E-01	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Tritium	2.29E+02	2.79E+02	1.83E+02	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Tritium	-3.17E+01	3.57E+02	2.12E+02	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Tritium	2.24E+02	2.65E+02	1.75E+02	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Tritium	1.85E+02	3.48E+02	2.16E+02	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Zinc-65	8.49E-01	4.21E+00	2.70E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Zinc-65	-2.71E+00	4.30E+00	3.37E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Zinc-65	-7.62E-01	3.40E+00	3.30E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Zinc-65	1.53E+00	4.61E+00	2.99E+00	pCi/L
GW1 Groundwater Monitoring Well 1(570952001) - GW	15-Feb-22	Zirconium-95	-2.74E+00	3.71E+00	3.35E+00	pCi/L
GW1 Groundwater Monitoring Well 1(580432001) - GW	17-May-22	Zirconium-95	-5.46E-01	3.98E+00	2.49E+00	pCi/L
GW1 Groundwater Monitoring Well 1(588455002) - GW	1-Aug-22	Zirconium-95	-2.22E-01	2.76E+00	1.71E+00	pCi/L
GW1 Groundwater Monitoring Well 1(604617001) - GW	20-Dec-22	Zirconium-95	1.16E+00	4.01E+00	2.45E+00	pCi/L
GW2 Groundwater Monitoring Well 2						
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	BETA	-3.80E+00	6.72E+00	3.89E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	BETA	1.32E+01	9.33E+00	6.26E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	BETA	4.62E+00	5.08E+00	3.32E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	BETA	1.02E+01	7.31E+00	4.97E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Barium-140	-1.01E+00	8.27E+00	4.86E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Barium-140	2.20E+00	9.17E+00	5.27E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Barium-140	-9.13E-01	7.85E+00	4.81E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Barium-140	2.12E+00	1.12E+01	6.78E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Cesium-134	1.08E+00	2.14E+00	1.29E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Cesium-134	1.57E+00	2.11E+00	1.36E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Cesium-134	2.13E-02	1.60E+00	9.26E-01	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Cesium-134	3.70E-01	2.03E+00	1.17E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Cesium-137	6.51E-01	1.85E+00	1.08E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Cesium-137	1.07E+00	1.76E+00	1.20E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Cesium-137	4.09E-01	1.59E+00	2.69E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Cesium-137	7.32E-01	1.99E+00	1.23E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Cobalt-58	-5.18E-01	1.66E+00	1.05E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Cobalt-58	-1.29E-01	1.78E+00	1.07E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Cobalt-58	-1.45E-01	1.55E+00	9.11E-01	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Cobalt-58	-8.50E-03	1.89E+00	1.10E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Cobalt-60	7.24E-02	2.00E+00	1.16E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Cobalt-60	-3.34E-01	1.78E+00	1.08E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Cobalt-60	9.91E-01	1.80E+00	1.20E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Cobalt-60	1.73E+00	1.91E+00	2.47E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Iodine-131	1.10E+00	3.39E+00	2.05E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Iodine-131	-8.78E-02	3.43E+00	2.09E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Iodine-131	-3.40E-01	2.71E+00	1.61E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Iodine-131	-4.87E-01	4.09E+00	2.46E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Iron-55	3.23E+00	6.26E+01	4.44E+01	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Iron-55	-3.50E+01	7.06E+01	4.81E+01	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Iron-55	2.32E+01	9.52E+01	6.99E+01	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Iron-55	-3.42E+01	5.77E+01	3.54E+01	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Iron-59	8.58E-01	3.84E+00	2.29E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Iron-59	8.67E-01	3.40E+00	2.02E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Iron-59	-9.81E-01	2.91E+00	1.87E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Iron-59	-5.82E-01	4.20E+00	2.56E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Lanthanum-140	-8.54E-02	3.09E+00	2.12E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Lanthanum-140	-1.66E-01	3.19E+00	1.91E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Lanthanum-140	-6.69E-01	2.69E+00	1.65E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Lanthanum-140	-1.62E+00	3.64E+00	2.38E+00	pCi/L

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Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Manganese-54	-2.57E-01	1.70E+00	1.04E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Manganese-54	-3.07E-01	1.59E+00	9.79E-01	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Manganese-54	-3.78E-01	1.48E+00	8.99E-01	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Manganese-54	-8.04E-01	1.62E+00	1.07E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Nickel-63	8.84E-01	2.84E+01	1.70E+01	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Nickel-63	-6.77E+00	2.56E+01	1.49E+01	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Nickel-63	8.27E+00	2.57E+01	1.58E+01	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Nickel-63	-1.49E+00	2.64E+01	1.56E+01	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Niobium-95	-3.71E-01	1.85E+00	1.13E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Niobium-95	-7.04E-01	1.85E+00	1.19E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Niobium-95	1.03E+00	1.46E+00	1.79E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Niobium-95	-4.05E-01	2.04E+00	1.91E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Total Strontium	-2.13E-01	1.32E+00	7.67E-01	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Total Strontium	5.51E-01	1.32E+00	8.50E-01	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Total Strontium	-4.66E-01	1.28E+00	7.27E-01	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Total Strontium	5.57E-01	1.52E+00	9.48E-01	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Tritium	1.15E+02	2.83E+02	1.76E+02	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Tritium	-1.24E+02	3.62E+02	2.12E+02	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Tritium	6.67E-01	2.48E+02	1.48E+02	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Tritium	1.35E+02	3.59E+02	2.19E+02	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Zinc-65	6.87E-01	3.78E+00	2.56E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Zinc-65	5.81E-01	3.21E+00	2.17E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Zinc-65	8.50E-01	3.09E+00	2.03E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Zinc-65	-6.93E-01	3.92E+00	2.77E+00	pCi/L
GW2 Groundwater Monitoring Well 2(570952002) - GW	15-Feb-22	Zirconium-95	-9.39E-01	3.32E+00	2.42E+00	pCi/L
GW2 Groundwater Monitoring Well 2(580432002) - GW	17-May-22	Zirconium-95	-1.49E-01	3.06E+00	1.82E+00	pCi/L
GW2 Groundwater Monitoring Well 2(588455003) - GW	1-Aug-22	Zirconium-95	-1.03E+00	2.48E+00	1.58E+00	pCi/L
GW2 Groundwater Monitoring Well 2(604617002) - GW	20-Dec-22	Zirconium-95	-4.78E-01	3.33E+00	1.97E+00	pCi/L
OW1 Observation Well 01 - Groundwater						
OW1 Observation Well 01(571760001) - GW	24-Feb-22	BETA	-1.21E+00	4.72E+00	2.78E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	BETA	1.04E+01	5.23E+00	3.80E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	BETA	1.04E+01	6.32E+00	4.43E+00	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	BETA	9.89E+00	6.45E+00	4.41E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Barium-140	-1.57E+00	1.10E+01	6.78E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Barium-140	1.41E+00	9.48E+00	5.48E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Barium-140	3.75E+00	7.58E+00	4.52E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Barium-140	-2.25E+00	6.48E+00	4.07E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Cesium-134	1.21E-01	2.00E+00	1.22E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Cesium-134	4.35E-01	1.59E+00	9.37E-01	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Cesium-134	3.87E-01	1.53E+00	9.01E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Cesium-134	8.46E-01	1.71E+00	1.04E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Cesium-137	6.31E-01	2.03E+00	1.22E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Cesium-137	-7.00E-01	1.71E+00	1.83E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Cesium-137	9.15E-02	1.57E+00	9.66E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Cesium-137	-5.64E-01	1.47E+00	9.96E-01	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Cobalt-58	5.14E-01	1.87E+00	1.13E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Cobalt-58	1.42E-01	1.61E+00	9.56E-01	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Cobalt-58	-2.18E-02	1.40E+00	8.45E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Cobalt-58	-1.32E+00	1.43E+00	1.48E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Cobalt-60	-1.11E-01	2.06E+00	2.03E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Cobalt-60	-4.69E-01	1.61E+00	1.00E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Cobalt-60	1.40E-01	1.62E+00	9.30E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Cobalt-60	-4.54E-01	1.53E+00	9.59E-01	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Iodine-131	1.13E+00	4.80E+00	2.84E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Iodine-131	-1.25E-01	3.88E+00	2.67E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Iodine-131	1.11E+00	2.64E+00	1.67E+00	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Iodine-131	-6.30E-02	2.06E+00	1.19E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Iron-55	-2.22E+01	6.34E+01	4.22E+01	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Iron-55	-2.48E+01	4.34E+01	2.63E+01	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Iron-55	-1.06E+02	1.80E+02	1.26E+02	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Iron-55	2.82E+00	6.35E+01	4.12E+01	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Iron-59	-4.03E-01	3.77E+00	2.22E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Iron-59	-4.36E-01	3.01E+00	1.89E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Iron-59	-1.13E+00	2.99E+00	2.03E+00	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Iron-59	-6.36E-01	2.83E+00	1.84E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Lanthanum-140	3.94E-02	3.82E+00	2.25E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Lanthanum-140	-6.22E-01	2.85E+00	1.78E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Lanthanum-140	-3.54E-01	2.59E+00	1.58E+00	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Lanthanum-140	-1.19E+00	2.30E+00	1.58E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Manganese-54	-9.33E-02	1.69E+00	1.05E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Manganese-54	1.96E-02	1.49E+00	8.92E-01	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Manganese-54	2.79E-02	1.38E+00	8.29E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Manganese-54	-5.52E-01	1.37E+00	9.13E-01	pCi/L

2022 DCPP REMP Analysis Results

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Nickel-63	-2.25E+00	1.91E+01	1.13E+01	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Nickel-63	4.20E+00	1.96E+01	1.19E+01	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Nickel-63	7.24E+00	2.67E+01	1.63E+01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Nickel-63	3.35E-01	2.90E+01	1.73E+01	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Niobium-95	-2.09E+00	2.12E+00	2.00E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Niobium-95	-2.17E-01	1.72E+00	1.04E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Niobium-95	-5.33E-01	1.34E+00	8.82E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Niobium-95	-1.02E-01	1.43E+00	9.77E-01	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Total Strontium	1.39E-01	9.13E-01	5.58E-01	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Total Strontium	6.63E-01	9.44E-01	6.34E-01	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Total Strontium	-2.09E-01	1.21E+00	6.96E-01	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Total Strontium	-2.09E-01	5.36E-01	3.13E-01	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Tritium	3.85E+02	3.47E+02	2.43E+02	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Tritium	4.35E+02	2.87E+02	2.07E+02	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Tritium	3.66E+02	2.61E+02	1.88E+02	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Tritium	2.78E+02	2.16E+02	1.52E+02	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Zinc-65	-4.34E-01	3.43E+00	2.31E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Zinc-65	4.24E-01	3.48E+00	2.11E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Zinc-65	9.74E-01	2.95E+00	1.94E+00	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Zinc-65	-2.16E+00	2.74E+00	2.44E+00	pCi/L
OW1 Observation Well 01(571760001) - GW	24-Feb-22	Zirconium-95	-3.97E-01	3.10E+00	1.94E+00	pCi/L
OW1 Observation Well 01(576101005) - GW	28-Apr-22	Zirconium-95	4.41E-01	2.76E+00	1.62E+00	pCi/L
OW1 Observation Well 01(588455004) - GW	1-Aug-22	Zirconium-95	-1.46E-01	2.43E+00	1.47E+00	pCi/L
OW1 Observation Well 01(598812007) - GW	7-Nov-22	Zirconium-95	6.79E-01	2.62E+00	1.55E+00	pCi/L
7C2 Rattlesnake Canyon - Invertebrates (Mussels)						
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Cesium-134	1.97E+00	2.15E+01	1.31E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Cesium-134	-4.42E-02	8.16E+00	5.01E+00	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Cesium-134	7.14E+00	1.81E+01	1.08E+01	pCi/kg
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Cesium-134	3.35E+00	1.95E+01	1.19E+01	pCi/kg
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Cesium-137	-1.45E+01	2.00E+01	1.86E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Cesium-137	4.06E+00	8.35E+00	5.04E+00	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Cesium-137	6.59E+00	1.50E+01	1.92E+01	pCi/kg
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Cesium-137	8.80E+00	1.93E+01	1.28E+01	pCi/kg
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Cobalt-58	-9.64E+00	1.91E+01	2.11E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Cobalt-58	3.43E+00	8.27E+00	4.97E+00	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Cobalt-58	-4.03E+00	1.25E+01	8.25E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Cobalt-58	-6.60E+00	1.50E+01	1.06E+01	pCi/kg
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Cobalt-60	-1.91E+00	1.92E+01	1.16E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Cobalt-60	3.27E-01	8.83E+00	5.22E+00	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Cobalt-60	3.96E+00	1.90E+01	1.08E+01	pCi/kg
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Cobalt-60	5.11E+00	1.91E+01	1.10E+01	pCi/kg
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Iron-59	3.81E+00	4.00E+01	2.30E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Iron-59	6.34E+00	1.88E+01	1.08E+01	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Iron-59	7.00E+00	3.13E+01	1.88E+01	pCi/kg
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Iron-59	3.51E+00	3.82E+01	2.22E+01	pCi/kg
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Manganese-54	1.85E-01	1.98E+01	1.22E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Manganese-54	-3.99E+00	6.69E+00	4.93E+00	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Manganese-54	1.95E+00	1.48E+01	8.83E+00	pCi/kg
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Manganese-54	-7.97E+00	1.72E+01	1.22E+01	pCi/kg
7C2 Rattlesnake Canyon(566172001) - IM	24-Feb-22	Zinc-65	2.49E+00	4.61E+01	2.67E+01	pCi/kg
7C2 Rattlesnake Canyon(580689001) - IM	23-May-22	Zinc-65	-5.86E+00	1.57E+01	1.17E+01	pCi/kg
7C2 Rattlesnake Canyon(584819001) - IM	18-Jul-22	Zinc-65	-1.53E+00	2.85E+01	1.79E+01	pCi/kg
7C2 Rattlesnake Canyon(602821001) - IM	5-Dec-22	Zinc-65	-1.36E+00	3.86E+01	2.30E+01	pCi/kg
DCM Diablo Cove Marine - Invertebrates (Mussels)						
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Cesium-134	-1.93E+00	1.80E+01	1.12E+01	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Cesium-134	4.07E+00	9.50E+00	5.75E+00	pCi/kg
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Cesium-134	1.17E+01	2.27E+01	2.98E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Cesium-134	7.61E+00	2.53E+01	1.48E+01	pCi/kg
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Cesium-137	-4.37E+00	1.53E+01	9.76E+00	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Cesium-137	2.61E+00	9.06E+00	5.42E+00	pCi/kg
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Cesium-137	-8.21E+00	2.01E+01	1.70E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Cesium-137	-3.29E+00	2.23E+01	1.34E+01	pCi/kg
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Cobalt-58	-9.18E+00	1.45E+01	1.06E+01	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Cobalt-58	2.84E+00	8.46E+00	5.61E+00	pCi/kg
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Cobalt-58	4.02E-01	1.88E+01	1.15E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Cobalt-58	2.60E+00	2.17E+01	1.27E+01	pCi/kg
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Cobalt-60	-3.60E+00	1.76E+01	1.12E+01	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Cobalt-60	3.97E+00	9.92E+00	5.72E+00	pCi/kg
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Cobalt-60	-5.23E+00	1.55E+01	1.02E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Cobalt-60	1.49E+01	2.85E+01	1.72E+01	pCi/kg
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Iron-59	-7.79E+00	3.45E+01	2.16E+01	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Iron-59	3.38E-01	1.71E+01	9.99E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Iron-59	-1.10E+00	3.07E+01	1.80E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Iron-59	1.11E+00	5.08E+01	3.08E+01	pCi/kg
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Manganese-54	-2.13E+01	1.53E+01	2.01E+01	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Manganese-54	1.58E+00	8.31E+00	5.02E+00	pCi/kg
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Manganese-54	3.45E+00	1.86E+01	1.12E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Manganese-54	9.70E+00	2.25E+01	1.33E+01	pCi/kg
DCM Diablo Cove Marine(566172002) - IM	24-Feb-22	Zinc-65	-1.70E+00	3.50E+01	2.12E+01	pCi/kg
DCM Diablo Cove Marine(580689002) - IM	23-May-22	Zinc-65	-1.58E+01	1.55E+01	1.31E+01	pCi/kg
DCM Diablo Cove Marine(584819002) - IM	18-Jul-22	Zinc-65	-1.45E+01	3.16E+01	2.12E+01	pCi/kg
DCM Diablo Cove Marine(602821002) - IM	5-Dec-22	Zinc-65	1.75E+00	4.87E+01	2.96E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove - Invertebrates (Mussels)						
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Cesium-134	2.48E+00	1.66E+01	9.72E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Cesium-134	7.76E-01	9.46E+00	5.63E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Cesium-134	-8.16E-01	2.18E+01	1.28E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Cesium-134	8.91E-01	1.77E+01	1.09E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Cesium-137	-2.53E+00	1.62E+01	9.85E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Cesium-137	-1.23E+00	1.15E+01	1.19E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Cesium-137	-2.61E+00	2.50E+01	2.03E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Cesium-137	4.68E+00	1.67E+01	2.21E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Cobalt-58	-6.18E+00	1.42E+01	9.57E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Cobalt-58	-2.99E-01	8.66E+00	6.02E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Cobalt-58	-6.08E+00	1.91E+01	1.21E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Cobalt-58	-9.05E+00	1.57E+01	1.15E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Cobalt-60	4.93E-01	1.61E+01	9.98E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Cobalt-60	9.25E+00	1.06E+01	7.02E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Cobalt-60	1.78E+00	1.98E+01	1.18E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Cobalt-60	-1.11E+01	1.29E+01	1.08E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Iron-59	-1.58E+01	2.48E+01	1.90E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Iron-59	1.25E+01	2.06E+01	1.66E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Iron-59	-1.59E+01	4.12E+01	2.78E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Iron-59	-9.10E+00	3.30E+01	2.10E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Manganese-54	-2.00E+00	1.41E+01	8.69E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Manganese-54	3.38E-01	8.71E+00	5.98E+00	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Manganese-54	-9.68E-01	1.95E+01	1.15E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Manganese-54	8.15E+00	1.74E+01	1.07E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(566172004) - IM	24-Feb-22	Zinc-65	-4.37E+00	3.47E+01	2.31E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
POS Pacific Ocean South of Diablo Cove(580689003) - IM	23-May-22	Zinc-65	-5.62E+00	2.08E+01	1.30E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(584819003) - IM	18-Jul-22	Zinc-65	1.19E+01	5.75E+01	3.36E+01	pCi/kg
POS Pacific Ocean South of Diablo Cove(602821003) - IM	5-Dec-22	Zinc-65	4.17E+00	3.35E+01	1.95E+01	pCi/kg
BCM Blanchard Cow Meat						
BCM Blanchard Cow Meat(570270001) - MT	14-Feb-22	Cesium-134	-5.05E-01	3.84E+00	2.33E+00	pCi/kg
BCM Blanchard Cow Meat(580697004) - MT	25-May-22	Cesium-134	1.96E-01	3.86E+00	2.34E+00	pCi/kg
BCM Blanchard Cow Meat(592708001) - MT	12-Sep-22	Cesium-134	6.79E-01	3.54E+00	2.07E+00	pCi/kg
BCM Blanchard Cow Meat(599721001) - MT	2-Nov-22	Cesium-134	2.28E+00	4.06E+00	2.53E+00	pCi/kg
BCM Blanchard Cow Meat(570270001) - MT	14-Feb-22	Cesium-137	1.06E-02	4.04E+00	2.37E+00	pCi/kg
BCM Blanchard Cow Meat(580697004) - MT	25-May-22	Cesium-137	9.69E-01	3.82E+00	2.27E+00	pCi/kg
BCM Blanchard Cow Meat(592708001) - MT	12-Sep-22	Cesium-137	2.10E+00	3.48E+00	2.76E+00	pCi/kg
BCM Blanchard Cow Meat(599721001) - MT	2-Nov-22	Cesium-137	1.61E-01	3.95E+00	2.35E+00	pCi/kg
BCM Blanchard Cow Meat(570270001) - MT	14-Feb-22	Cobalt-58	9.49E-01	3.93E+00	2.37E+00	pCi/kg
BCM Blanchard Cow Meat(580697004) - MT	25-May-22	Cobalt-58	-1.05E+00	3.84E+00	2.49E+00	pCi/kg
BCM Blanchard Cow Meat(592708001) - MT	12-Sep-22	Cobalt-58	-3.25E+00	2.82E+00	2.98E+00	pCi/kg
BCM Blanchard Cow Meat(599721001) - MT	2-Nov-22	Cobalt-58	4.96E-01	4.04E+00	2.42E+00	pCi/kg
BCM Blanchard Cow Meat(570270001) - MT	14-Feb-22	Cobalt-60	6.88E-01	4.57E+00	2.62E+00	pCi/kg
BCM Blanchard Cow Meat(580697004) - MT	25-May-22	Cobalt-60	-6.38E-02	3.77E+00	2.41E+00	pCi/kg
BCM Blanchard Cow Meat(592708001) - MT	12-Sep-22	Cobalt-60	2.30E+00	4.09E+00	2.40E+00	pCi/kg
BCM Blanchard Cow Meat(599721001) - MT	2-Nov-22	Cobalt-60	-2.52E+00	3.50E+00	2.64E+00	pCi/kg
BCM Blanchard Cow Meat(570270001) - MT	14-Feb-22	Iodine-131	-2.30E+00	6.97E+00	4.49E+00	pCi/kg
BCM Blanchard Cow Meat(580697004) - MT	25-May-22	Iodine-131	1.58E+00	6.85E+00	3.95E+00	pCi/kg
BCM Blanchard Cow Meat(592708001) - MT	12-Sep-22	Iodine-131	-5.62E-01	3.75E+00	2.43E+00	pCi/kg
BCM Blanchard Cow Meat(599721001) - MT	2-Nov-22	Iodine-131	-2.41E+00	7.48E+00	4.58E+00	pCi/kg
BCM Blanchard Cow Meat(570270001) - MT	14-Feb-22	Total Strontium	2.55E+00	5.93E+01	3.57E+01	pCi/kg
BCM Blanchard Cow Meat(580697004) - MT	25-May-22	Total Strontium	4.38E+01	6.52E+01	4.45E+01	pCi/kg
BCM Blanchard Cow Meat(592708001) - MT	12-Sep-22	Total Strontium	1.38E+01	4.71E+01	2.95E+01	pCi/kg
BCM Blanchard Cow Meat(599721001) - MT	2-Nov-22	Total Strontium	-1.41E+01	3.60E+01	2.04E+01	pCi/kg
CCM Control Cow Meat						
CCM Control Cow Meat(571640001) - MT	1-Mar-22	Cesium-134	-1.64E+00	4.24E+00	2.84E+00	pCi/kg
CCM Control Cow Meat(576848001) - MT	18-Apr-22	Cesium-134	7.92E-01	3.57E+00	2.08E+00	pCi/kg
CCM Control Cow Meat(592708002) - MT	12-Sep-22	Cesium-134	2.15E-01	3.17E+00	1.86E+00	pCi/kg
CCM Control Cow Meat(599721002) - MT	31-Oct-22	Cesium-134	1.90E+00	3.86E+00	2.37E+00	pCi/kg
CCM Control Cow Meat(571640001) - MT	1-Mar-22	Cesium-137	1.77E+00	4.21E+00	2.50E+00	pCi/kg
CCM Control Cow Meat(576848001) - MT	18-Apr-22	Cesium-137	1.31E+00	3.32E+00	1.94E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
CCM Control Cow Meat(592708002) - MT	12-Sep-22	Cesium-137	1.04E+00	3.17E+00	1.84E+00	pCi/kg
CCM Control Cow Meat(599721002) - MT	31-Oct-22	Cesium-137	1.26E+00	3.89E+00	2.72E+00	pCi/kg
CCM Control Cow Meat(571640001) - MT	1-Mar-22	Cobalt-58	-2.44E+00	3.80E+00	2.79E+00	pCi/kg
CCM Control Cow Meat(576848001) - MT	18-Apr-22	Cobalt-58	8.54E-01	3.44E+00	2.01E+00	pCi/kg
CCM Control Cow Meat(592708002) - MT	12-Sep-22	Cobalt-58	-1.00E+00	2.88E+00	1.85E+00	pCi/kg
CCM Control Cow Meat(599721002) - MT	31-Oct-22	Cobalt-58	1.28E+00	3.58E+00	2.16E+00	pCi/kg
CCM Control Cow Meat(571640001) - MT	1-Mar-22	Cobalt-60	-2.15E-01	4.42E+00	2.63E+00	pCi/kg
CCM Control Cow Meat(576848001) - MT	18-Apr-22	Cobalt-60	1.70E-02	3.20E+00	1.97E+00	pCi/kg
CCM Control Cow Meat(592708002) - MT	12-Sep-22	Cobalt-60	1.45E+00	3.18E+00	1.89E+00	pCi/kg
CCM Control Cow Meat(599721002) - MT	31-Oct-22	Cobalt-60	6.63E-01	3.98E+00	2.32E+00	pCi/kg
CCM Control Cow Meat(571640001) - MT	1-Mar-22	Iodine-131	-2.04E+00	6.21E+00	3.80E+00	pCi/kg
CCM Control Cow Meat(576848001) - MT	18-Apr-22	Iodine-131	2.08E-01	5.28E+00	3.26E+00	pCi/kg
CCM Control Cow Meat(592708002) - MT	12-Sep-22	Iodine-131	3.12E-01	3.95E+00	2.43E+00	pCi/kg
CCM Control Cow Meat(599721002) - MT	31-Oct-22	Iodine-131	-3.17E-01	7.32E+00	4.77E+00	pCi/kg
CCM Control Cow Meat(571640001) - MT	1-Mar-22	Total Strontium	-1.34E+01	4.24E+01	2.40E+01	pCi/kg
CCM Control Cow Meat(576848001) - MT	18-Apr-22	Total Strontium	1.06E+02	1.26E+02	8.78E+01	pCi/kg
CCM Control Cow Meat(592708002) - MT	12-Sep-22	Total Strontium	-2.24E+01	5.59E+01	3.07E+01	pCi/kg
CCM Control Cow Meat(599721002) - MT	31-Oct-22	Total Strontium	-2.87E+00	4.48E+01	2.64E+01	pCi/kg
5F2 Cal Poly Farm - Milk (MK)						
5F2 Cal Poly Farm(568230001) - MK	25-Jan-22	Barium-140	-1.63E+00	1.36E+01	8.44E+00	pCi/L
5F2 Cal Poly Farm(568943001) - MK	1-Feb-22	Barium-140	-1.86E+00	8.78E+00	5.40E+00	pCi/L
5F2 Cal Poly Farm(572317001) - MK	8-Mar-22	Barium-140	5.45E-01	6.66E+00	3.91E+00	pCi/L
5F2 Cal Poly Farm(576102001) - MK	11-Apr-22	Barium-140	5.55E+00	1.22E+01	7.57E+00	pCi/L
5F2 Cal Poly Farm(578407001) - MK	5-May-22	Barium-140	-5.09E+00	8.86E+00	8.02E+00	pCi/L
5F2 Cal Poly Farm(582797001) - MK	14-Jun-22	Barium-140	2.18E-01	1.04E+01	6.11E+00	pCi/L
5F2 Cal Poly Farm(566827001) - MK	12-Jul-22	Barium-140	-2.97E+00	9.55E+00	6.10E+00	pCi/L
5F2 Cal Poly Farm(569542001) - MK	23-Aug-22	Barium-140	-1.64E+00	8.51E+00	5.28E+00	pCi/L
5F2 Cal Poly Farm(592027001) - MK	6-Sep-22	Barium-140	-2.54E-01	8.79E+00	5.26E+00	pCi/L
5F2 Cal Poly Farm(596166001) - MK	11-Oct-22	Barium-140	-1.08E+00	1.15E+01	6.87E+00	pCi/L
5F2 Cal Poly Farm(598816001) - MK	1-Nov-22	Barium-140	-1.59E+00	8.07E+00	6.23E+00	pCi/L
5F2 Cal Poly Farm(603778001) - MK	12-Dec-22	Barium-140	2.96E+00	9.48E+00	5.48E+00	pCi/L
5F2 Cal Poly Farm(568230001) - MK	25-Jan-22	Cesium-134	4.32E-02	2.77E+00	1.60E+00	pCi/L
5F2 Cal Poly Farm(568943001) - MK	1-Feb-22	Cesium-134	-5.98E-01	1.71E+00	1.13E+00	pCi/L
5F2 Cal Poly Farm(572317001) - MK	8-Mar-22	Cesium-134	-2.13E-01	1.52E+00	9.46E-01	pCi/L
5F2 Cal Poly Farm(576102001) - MK	11-Apr-22	Cesium-134	2.58E+00	2.58E+00	3.19E+00	pCi/L
5F2 Cal Poly Farm(578407001) - MK	5-May-22	Cesium-134	-6.92E-02	1.79E+00	1.04E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F2 Cal Poly Farm(582797001) - MK	14-Jun-22	Cesium-134	6.24E-01	2.10E+00	1.41E+00	pCi/L
5F2 Cal Poly Farm(566827001) - MK	12-Jul-22	Cesium-134	3.84E-01	2.19E+00	1.33E+00	pCi/L
5F2 Cal Poly Farm(569542001) - MK	23-Aug-22	Cesium-134	-4.15E-01	1.76E+00	1.06E+00	pCi/L
5F2 Cal Poly Farm(592027001) - MK	6-Sep-22	Cesium-134	2.11E-02	1.84E+00	1.13E+00	pCi/L
5F2 Cal Poly Farm(596166001) - MK	11-Oct-22	Cesium-134	1.47E+00	2.15E+00	1.98E+00	pCi/L
5F2 Cal Poly Farm(598816001) - MK	1-Nov-22	Cesium-134	3.20E-01	1.72E+00	1.04E+00	pCi/L
5F2 Cal Poly Farm(603778001) - MK	12-Dec-22	Cesium-134	5.07E-01	1.73E+00	1.12E+00	pCi/L
5F2 Cal Poly Farm(568230001) - MK	25-Jan-22	Cesium-137	-3.40E+00	2.71E+00	3.15E+00	pCi/L
5F2 Cal Poly Farm(568943001) - MK	1-Feb-22	Cesium-137	-1.11E+00	1.67E+00	1.69E+00	pCi/L
5F2 Cal Poly Farm(572317001) - MK	8-Mar-22	Cesium-137	-3.09E-01	1.41E+00	8.79E-01	pCi/L
5F2 Cal Poly Farm(576102001) - MK	11-Apr-22	Cesium-137	1.62E-01	2.38E+00	1.39E+00	pCi/L
5F2 Cal Poly Farm(578407001) - MK	5-May-22	Cesium-137	1.35E+00	1.90E+00	1.24E+00	pCi/L
5F2 Cal Poly Farm(582797001) - MK	14-Jun-22	Cesium-137	4.76E-01	1.80E+00	1.07E+00	pCi/L
5F2 Cal Poly Farm(566827001) - MK	12-Jul-22	Cesium-137	2.02E+00	2.02E+00	3.58E+00	pCi/L
5F2 Cal Poly Farm(569542001) - MK	23-Aug-22	Cesium-137	4.40E-01	1.62E+00	2.44E+00	pCi/L
5F2 Cal Poly Farm(592027001) - MK	6-Sep-22	Cesium-137	4.72E-01	1.85E+00	1.11E+00	pCi/L
5F2 Cal Poly Farm(596166001) - MK	11-Oct-22	Cesium-137	-5.96E-01	1.82E+00	1.16E+00	pCi/L
5F2 Cal Poly Farm(598816001) - MK	1-Nov-22	Cesium-137	6.34E-02	1.42E+00	8.50E-01	pCi/L
5F2 Cal Poly Farm(603778001) - MK	12-Dec-22	Cesium-137	3.04E-02	1.59E+00	9.29E-01	pCi/L
5F2 Cal Poly Farm(568230001) - MK	25-Jan-22	Iodine-131	-2.86E-01	9.59E-01	6.12E-01	pCi/L
5F2 Cal Poly Farm(568943001) - MK	1-Feb-22	Iodine-131	-2.07E-01	6.18E-01	5.93E-01	pCi/L
5F2 Cal Poly Farm(572317001) - MK	8-Mar-22	Iodine-131	2.58E-01	6.82E-01	4.13E-01	pCi/L
5F2 Cal Poly Farm(576102001) - MK	11-Apr-22	Iodine-131	2.71E-01	8.64E-01	5.23E-01	pCi/L
5F2 Cal Poly Farm(578407001) - MK	5-May-22	Iodine-131	-1.25E+00	4.45E+00	2.83E+00	pCi/L
5F2 Cal Poly Farm(582797001) - MK	14-Jun-22	Iodine-131	-3.12E-02	6.92E-01	4.53E-01	pCi/L
5F2 Cal Poly Farm(566827001) - MK	12-Jul-22	Iodine-131	1.27E-01	6.37E-01	3.70E-01	pCi/L
5F2 Cal Poly Farm(569542001) - MK	23-Aug-22	Iodine-131	1.04E-01	4.96E-01	2.94E-01	pCi/L
5F2 Cal Poly Farm(592027001) - MK	6-Sep-22	Iodine-131	1.99E-01	7.17E-01	4.34E-01	pCi/L
5F2 Cal Poly Farm(596166001) - MK	11-Oct-22	Iodine-131	4.02E-01	7.05E-01	4.30E-01	pCi/L
5F2 Cal Poly Farm(598816001) - MK	1-Nov-22	Iodine-131	7.45E-03	5.15E-01	3.02E-01	pCi/L
5F2 Cal Poly Farm(603778001) - MK	12-Dec-22	Iodine-131	1.66E-01	6.76E-01	3.94E-01	pCi/L
5F2 Cal Poly Farm(568230001) - MK	25-Jan-22	Lanthanum-140	-4.00E-03	5.42E+00	3.28E+00	pCi/L
5F2 Cal Poly Farm(568943001) - MK	1-Feb-22	Lanthanum-140	3.18E+00	3.18E+00	4.16E+00	pCi/L
5F2 Cal Poly Farm(572317001) - MK	8-Mar-22	Lanthanum-140	3.77E-01	2.25E+00	1.31E+00	pCi/L
5F2 Cal Poly Farm(576102001) - MK	11-Apr-22	Lanthanum-140	1.18E-01	3.41E+00	2.04E+00	pCi/L
5F2 Cal Poly Farm(578407001) - MK	5-May-22	Lanthanum-140	-1.06E-01	2.89E+00	1.76E+00	pCi/L
5F2 Cal Poly Farm(582797001) - MK	14-Jun-22	Lanthanum-140	-9.02E-01	2.84E+00	1.84E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F2 Cal Poly Farm(566827001) - MK	12-Jul-22	Lanthanum-140	-8.98E-01	2.72E+00	1.79E+00	pCi/L
5F2 Cal Poly Farm(569542001) - MK	23-Aug-22	Lanthanum-140	-1.85E+00	2.24E+00	1.73E+00	pCi/L
5F2 Cal Poly Farm(592027001) - MK	6-Sep-22	Lanthanum-140	-1.19E+00	2.50E+00	1.75E+00	pCi/L
5F2 Cal Poly Farm(596166001) - MK	11-Oct-22	Lanthanum-140	1.63E-01	3.36E+00	1.99E+00	pCi/L
5F2 Cal Poly Farm(598816001) - MK	1-Nov-22	Lanthanum-140	-3.44E-01	2.31E+00	1.43E+00	pCi/L
5F2 Cal Poly Farm(603778001) - MK	12-Dec-22	Lanthanum-140	-5.92E-01	2.69E+00	1.65E+00	pCi/L
5F2 Cal Poly Farm(568230001) - MK	25-Jan-22	Total Strontium	5.95E-01	7.87E-01	5.66E-01	pCi/L
5F2 Cal Poly Farm(568943001) - MK	1-Feb-22	Total Strontium	9.93E-01	1.03E+00	7.23E-01	pCi/L
5F2 Cal Poly Farm(572317001) - MK	8-Mar-22	Total Strontium	-7.63E-01	7.50E-01	3.72E-01	pCi/L
5F2 Cal Poly Farm(576102001) - MK	11-Apr-22	Total Strontium	1.78E+00	1.86E+00	1.30E+00	pCi/L
5F2 Cal Poly Farm(578407001) - MK	5-May-22	Total Strontium	-1.10E+00	1.50E+00	8.06E-01	pCi/L
5F2 Cal Poly Farm(582797001) - MK	14-Jun-22	Total Strontium	4.33E-01	1.42E+00	8.84E-01	pCi/L
5F2 Cal Poly Farm(566827001) - MK	12-Jul-22	Total Strontium	1.06E+00	1.51E+00	1.02E+00	pCi/L
5F2 Cal Poly Farm(569542001) - MK	23-Aug-22	Total Strontium	7.73E-01	1.70E+00	1.08E+00	pCi/L
5F2 Cal Poly Farm(592027001) - MK	6-Sep-22	Total Strontium	2.27E-01	9.30E-01	5.77E-01	pCi/L
5F2 Cal Poly Farm(596166001) - MK	11-Oct-22	Total Strontium	2.09E-01	1.90E+00	1.14E+00	pCi/L
5F2 Cal Poly Farm(598816001) - MK	1-Nov-22	Total Strontium	7.88E-01	9.42E-01	6.54E-01	pCi/L
5F2 Cal Poly Farm(603778001) - MK	12-Dec-22	Total Strontium	1.78E-01	1.53E+00	9.28E-01	pCi/L
7C2 Rattlesnake Canyon - Seawater						
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	BETA	2.42E+02	8.80E+01	7.55E+01	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	BETA	6.70E+02	1.50E+02	1.54E+02	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	BETA	2.35E+02	1.06E+02	8.22E+01	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	BETA	3.42E+02	1.61E+02	1.18E+02	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	BETA	2.90E+02	1.08E+02	8.89E+01	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	BETA	2.92E+02	1.71E+02	1.19E+02	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	BETA	2.25E+02	1.37E+02	9.56E+01	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	BETA	3.84E+02	1.51E+02	1.18E+02	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	BETA	1.57E+02	1.33E+02	8.86E+01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	BETA	7.79E+02	1.03E+02	1.55E+02	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	BETA	2.29E+02	1.39E+02	9.75E+01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	BETA	3.03E+02	1.50E+02	1.10E+02	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Barium-140	-6.03E-01	8.45E+00	5.13E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Barium-140	-2.51E+00	6.03E+00	3.82E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Barium-140	-3.43E-01	1.68E+01	1.01E+01	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Barium-140	6.70E+00	1.23E+01	7.53E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Barium-140	1.25E+00	1.49E+01	8.89E+00	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Barium-140	-5.38E+00	1.57E+01	1.43E+01	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Barium-140	1.74E+00	1.00E+01	5.74E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Barium-140	-1.74E+00	9.77E+00	6.06E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Barium-140	-1.37E-01	8.85E+00	5.18E+00	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Barium-140	1.54E+00	9.44E+00	5.55E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Barium-140	-1.59E+00	8.83E+00	5.48E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Barium-140	-1.49E+00	1.28E+01	7.62E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Cesium-134	-8.88E-01	1.87E+00	1.73E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Cesium-134	1.50E+00	1.81E+00	1.83E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Cesium-134	1.07E+00	2.02E+00	1.20E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Cesium-134	2.04E-01	1.99E+00	1.20E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Cesium-134	4.81E-01	2.16E+00	1.31E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Cesium-134	1.04E+00	2.84E+00	1.64E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Cesium-134	-1.38E+00	2.06E+00	2.47E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Cesium-134	1.14E+00	1.70E+00	1.05E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Cesium-134	-2.21E-01	1.49E+00	9.21E-01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Cesium-134	5.28E-02	1.67E+00	1.01E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Cesium-134	5.59E-01	1.58E+00	1.06E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Cesium-134	9.65E-01	1.97E+00	1.20E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Cesium-137	-3.19E-01	1.72E+00	1.37E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Cesium-137	8.26E-01	1.70E+00	1.03E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Cesium-137	-9.02E-01	1.81E+00	1.68E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Cesium-137	1.95E+00	1.97E+00	1.38E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Cesium-137	-7.03E-01	3.82E+00	2.82E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Cesium-137	4.24E-01	2.51E+00	1.51E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Cesium-137	6.93E-01	1.91E+00	1.86E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Cesium-137	-9.94E-01	1.47E+00	1.33E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Cesium-137	5.07E-01	1.61E+00	9.45E-01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Cesium-137	-1.39E-01	1.49E+00	9.05E-01	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Cesium-137	5.32E-01	1.56E+00	9.45E-01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Cesium-137	1.23E+00	1.27E+00	1.31E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Cobalt-58	-2.42E-01	1.59E+00	9.44E-01	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Cobalt-58	-5.20E-02	1.49E+00	8.95E-01	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Cobalt-58	-3.09E-01	1.87E+00	1.11E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Cobalt-58	-7.47E-01	1.76E+00	1.88E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Cobalt-58	-1.43E-01	2.24E+00	1.40E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Cobalt-58	-9.31E-01	2.40E+00	1.52E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Cobalt-58	2.55E-01	2.04E+00	1.39E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Cobalt-58	9.19E-01	1.47E+00	2.32E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Cobalt-58	6.70E-01	1.62E+00	9.68E-01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Cobalt-58	-5.45E-01	1.36E+00	9.07E-01	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Cobalt-58	-6.57E-02	1.49E+00	9.27E-01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Cobalt-58	-3.24E-01	1.79E+00	1.28E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Cobalt-60	-5.59E-01	1.84E+00	1.37E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Cobalt-60	5.60E-01	1.76E+00	1.16E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Cobalt-60	4.87E-01	2.13E+00	1.26E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Cobalt-60	2.42E+00	2.42E+00	2.48E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Cobalt-60	7.17E-01	2.12E+00	1.22E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Cobalt-60	-7.92E-01	2.57E+00	1.69E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Cobalt-60	2.25E+00	2.25E+00	2.86E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Cobalt-60	1.94E-01	1.67E+00	9.90E-01	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Cobalt-60	3.37E-01	1.69E+00	9.62E-01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Cobalt-60	2.45E-01	1.46E+00	8.44E-01	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Cobalt-60	3.20E-01	1.43E+00	9.38E-01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Cobalt-60	1.37E-01	2.05E+00	1.20E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Iodine-131	-2.15E-01	3.16E+00	1.86E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Iodine-131	-6.06E-01	2.31E+00	1.99E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Iodine-131	-2.49E+00	9.07E+00	5.55E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Iodine-131	-7.24E-01	4.64E+00	2.73E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Iodine-131	2.00E+00	7.18E+00	4.25E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Iodine-131	-1.24E+00	5.97E+00	3.58E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Iodine-131	-6.62E-02	3.61E+00	2.42E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Iodine-131	-1.65E+00	4.43E+00	2.79E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Iodine-131	-9.66E-01	3.72E+00	2.21E+00	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Iodine-131	-3.20E-01	4.09E+00	2.39E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Iodine-131	1.67E+00	4.19E+00	2.50E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Iodine-131	-8.91E-01	5.97E+00	3.75E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Iron-55	-1.60E+01	8.70E+01	5.80E+01	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Iron-55	3.27E+01	6.68E+01	4.85E+01	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Iron-55	3.08E+01	4.91E+01	3.34E+01	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Iron-55	-1.20E+01	4.79E+01	2.96E+01	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Iron-55	-1.80E+01	6.59E+01	4.56E+01	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Iron-55	-2.74E+01	8.84E+01	6.27E+01	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Iron-55	-5.03E+01	9.88E+01	7.24E+01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Iron-55	1.87E+01	9.82E+01	7.11E+01	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Iron-55	1.93E+01	3.90E+01	2.77E+01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Iron-55	-1.64E+00	4.67E+01	2.99E+01	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Iron-55	-1.23E+00	6.68E+01	4.47E+01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Iron-55	1.44E+01	6.76E+01	4.57E+01	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Iron-59	7.63E-01	3.83E+00	2.23E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Iron-59	4.80E-01	3.25E+00	1.96E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Iron-59	2.12E+00	4.53E+00	2.95E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Iron-59	1.55E+00	4.20E+00	2.42E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Iron-59	-6.59E-01	4.49E+00	2.69E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Iron-59	-8.57E-02	5.24E+00	3.12E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Iron-59	2.33E-01	4.01E+00	2.34E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Iron-59	-5.30E-02	3.51E+00	2.08E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Iron-59	-1.47E+00	3.10E+00	2.18E+00	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Iron-59	6.20E-01	3.15E+00	1.80E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Iron-59	-1.59E+00	2.99E+00	2.03E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Iron-59	8.29E-01	4.54E+00	2.62E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Lanthanum-140	-8.03E-01	2.99E+00	1.97E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Lanthanum-140	9.03E-01	1.62E+00	9.78E-01	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Lanthanum-140	6.28E-01	5.70E+00	3.42E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Lanthanum-140	3.69E-01	3.39E+00	2.25E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Lanthanum-140	-5.14E-01	5.15E+00	3.13E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Lanthanum-140	-1.90E+00	5.49E+00	4.09E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Lanthanum-140	-1.82E+00	3.04E+00	2.16E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Lanthanum-140	-1.85E+00	3.11E+00	2.28E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Lanthanum-140	-4.55E-01	2.62E+00	1.86E+00	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Lanthanum-140	8.35E-02	3.14E+00	1.86E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Lanthanum-140	3.54E-01	2.79E+00	1.87E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Lanthanum-140	-8.65E-01	4.03E+00	2.55E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Manganese-54	6.67E-01	1.74E+00	1.01E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Manganese-54	5.04E-01	1.55E+00	9.26E-01	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Manganese-54	3.55E-01	1.80E+00	1.16E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Manganese-54	-9.45E-01	1.44E+00	1.06E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Manganese-54	6.38E-02	1.88E+00	1.16E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Manganese-54	-5.73E-01	2.38E+00	1.45E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Manganese-54	-6.99E-01	1.84E+00	1.21E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Manganese-54	-4.72E-01	1.33E+00	8.29E-01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Manganese-54	1.87E-01	1.41E+00	8.39E-01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Manganese-54	2.52E-01	1.36E+00	8.19E-01	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Manganese-54	-3.80E-01	1.27E+00	7.82E-01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Manganese-54	1.52E+00	1.95E+00	1.28E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Nickel-63	-7.74E+00	2.86E+01	1.67E+01	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Nickel-63	-3.58E+00	2.67E+01	1.57E+01	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Nickel-63	-4.21E+00	1.73E+01	1.01E+01	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Nickel-63	3.92E+00	1.86E+01	1.13E+01	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Nickel-63	1.04E+01	2.29E+01	1.42E+01	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Nickel-63	-6.12E+00	3.30E+01	1.93E+01	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Nickel-63	8.83E+00	2.08E+01	1.29E+01	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Nickel-63	-5.97E+00	2.34E+01	1.37E+01	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Nickel-63	9.91E+00	2.42E+01	1.48E+01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Nickel-63	-2.44E+00	3.64E+01	2.16E+01	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Nickel-63	-4.30E+00	2.53E+01	1.49E+01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Nickel-63	-2.96E+00	2.46E+01	1.45E+01	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Niobium-95	-1.08E+00	1.71E+00	1.25E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Niobium-95	4.37E-01	1.55E+00	9.19E-01	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Niobium-95	1.47E+00	2.15E+00	1.39E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Niobium-95	2.23E-01	1.88E+00	1.26E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Niobium-95	6.91E-01	2.09E+00	1.27E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Niobium-95	-1.05E+00	2.53E+00	1.72E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Niobium-95	1.64E+00	1.87E+00	1.56E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Niobium-95	7.22E-01	1.65E+00	1.03E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Niobium-95	-1.05E-01	1.57E+00	9.49E-01	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Niobium-95	-8.76E-01	1.51E+00	1.05E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Niobium-95	2.07E-01	1.53E+00	9.28E-01	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Niobium-95	7.94E-01	2.00E+00	1.20E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Total Strontium	-9.17E-01	6.33E+00	3.73E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Total Strontium	-8.45E-01	2.12E+00	1.24E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Total Strontium	-6.96E-01	2.55E+00	1.49E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Total Strontium	3.16E-01	2.81E+00	1.69E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Total Strontium	-1.13E+00	3.58E+00	2.09E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Total Strontium	-7.41E-01	5.65E+00	3.34E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Total Strontium	-6.12E-01	4.21E+00	2.49E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Total Strontium	2.65E+00	6.35E+00	3.92E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Total Strontium	-1.01E+00	8.71E-01	4.84E-01	pCi/L

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Total Strontium	-1.62E+00	3.51E+00	2.01E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Total Strontium	3.91E-03	2.58E+00	1.54E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Total Strontium	-7.87E-01	1.50E+00	8.61E-01	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Tritium	-1.93E+01	3.49E+02	2.08E+02	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Tritium	6.10E+01	3.36E+02	2.02E+02	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Tritium	8.44E+01	2.62E+02	1.61E+02	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Tritium	1.60E+02	2.77E+02	1.76E+02	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Tritium	6.88E+01	3.07E+02	1.87E+02	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Tritium	1.62E+02	2.61E+02	1.67E+02	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Tritium	-1.32E+02	2.69E+02	1.53E+02	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Tritium	1.32E+02	3.07E+02	1.91E+02	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Tritium	-1.11E+02	3.11E+02	1.80E+02	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Tritium	-2.70E+02	2.76E+02	1.50E+02	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Tritium	2.52E+01	3.65E+02	2.18E+02	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Tritium	-4.47E+01	2.39E+02	1.40E+02	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Zinc-65	-7.87E-01	3.86E+00	2.73E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Zinc-65	7.65E-01	3.38E+00	2.04E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Zinc-65	-1.41E+00	4.14E+00	2.65E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Zinc-65	-1.14E+00	3.69E+00	2.30E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Zinc-65	-3.17E+00	4.02E+00	3.87E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Zinc-65	4.42E-01	5.17E+00	3.04E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Zinc-65	1.98E+00	4.50E+00	2.65E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Zinc-65	-4.60E-01	3.05E+00	2.11E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Zinc-65	-1.60E+00	2.95E+00	2.13E+00	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Zinc-65	1.96E+00	3.24E+00	2.12E+00	pCi/L
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Zinc-65	1.25E+00	3.14E+00	2.69E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Zinc-65	1.53E-03	3.90E+00	2.62E+00	pCi/L
7C2 Rattlesnake Canyon(566826001) - SW	10-Jan-22	Zirconium-95	-4.91E-01	3.04E+00	1.94E+00	pCi/L
7C2 Rattlesnake Canyon(569541001) - SW	7-Feb-22	Zirconium-95	1.33E-01	2.70E+00	1.60E+00	pCi/L
7C2 Rattlesnake Canyon(574280001) - SW	22-Mar-22	Zirconium-95	-1.66E+00	3.41E+00	2.38E+00	pCi/L
7C2 Rattlesnake Canyon(576847003) - SW	18-Apr-22	Zirconium-95	3.38E-01	3.21E+00	1.92E+00	pCi/L
7C2 Rattlesnake Canyon(575141001) - SW	23-May-22	Zirconium-95	7.75E-01	3.67E+00	2.22E+00	pCi/L
7C2 Rattlesnake Canyon(582798001) - SW	15-Jun-22	Zirconium-95	1.86E+00	5.14E+00	3.14E+00	pCi/L
7C2 Rattlesnake Canyon(585552002) - SW	11-Jul-22	Zirconium-95	-8.70E-01	3.34E+00	2.11E+00	pCi/L
7C2 Rattlesnake Canyon(588817001) - SW	8-Aug-22	Zirconium-95	-2.61E+00	2.45E+00	2.83E+00	pCi/L
7C2 Rattlesnake Canyon(593602001) - SW	22-Sep-22	Zirconium-95	-2.19E-01	2.52E+00	1.53E+00	pCi/L
7C2 Rattlesnake Canyon(597933002) - SW	26-Oct-22	Zirconium-95	1.63E+00	3.04E+00	1.89E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C2 Rattlesnake Canyon(600685002) - SW	16-Nov-22	Zirconium-95	-3.47E-01	2.53E+00	1.60E+00	pCi/L
7C2 Rattlesnake Canyon(602820001) - SW	5-Dec-22	Zirconium-95	-4.41E-01	3.50E+00	2.14E+00	pCi/L
DCM Diablo Cove Marine - Seawater						
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	BETA	1.91E+02	1.07E+02	7.75E+01	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	BETA	3.91E+02	1.73E+02	1.29E+02	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	BETA	2.21E+02	1.82E+02	1.19E+02	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	BETA	2.89E+02	1.60E+02	1.13E+02	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	BETA	1.98E+02	1.02E+02	7.63E+01	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	BETA	6.22E+02	1.85E+02	1.60E+02	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	BETA	1.99E+02	1.13E+02	8.19E+01	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	BETA	3.17E+02	1.28E+02	1.01E+02	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	BETA	3.84E+02	1.22E+02	1.06E+02	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	BETA	1.83E+02	1.17E+02	8.24E+01	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	BETA	1.94E+02	9.09E+01	7.06E+01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	BETA	1.70E+02	1.82E+02	1.16E+02	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Barium-140	1.57E+00	1.05E+01	6.16E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Barium-140	1.58E+00	6.62E+00	4.52E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Barium-140	-4.81E+00	1.73E+01	1.08E+01	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Barium-140	4.05E+00	8.53E+00	5.13E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Barium-140	3.57E+00	1.89E+01	1.21E+01	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Barium-140	-1.86E+00	7.35E+00	4.63E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Barium-140	-1.97E+00	8.24E+00	5.11E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Barium-140	6.69E+00	1.12E+01	6.83E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Barium-140	-3.96E-01	8.33E+00	4.98E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Barium-140	-4.63E+00	9.73E+00	8.77E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Barium-140	-2.58E+00	8.88E+00	5.62E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Barium-140	6.36E-01	1.88E+01	1.14E+01	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Cesium-134	-3.52E-01	1.83E+00	1.16E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Cesium-134	-1.38E-01	1.71E+00	1.02E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Cesium-134	3.43E-03	1.94E+00	1.18E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Cesium-134	8.46E-02	1.39E+00	8.39E-01	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Cesium-134	8.86E-03	2.50E+00	1.51E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Cesium-134	5.99E-01	1.64E+00	1.06E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Cesium-134	7.15E-02	1.75E+00	1.06E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Cesium-134	-5.95E-01	1.57E+00	1.03E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Cesium-134	4.39E-02	1.84E+00	1.12E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Cesium-134	3.98E-01	1.65E+00	1.00E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Cesium-134	5.97E-01	1.59E+00	1.02E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Cesium-134	3.88E-01	1.68E+00	9.74E-01	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Cesium-137	-6.54E-01	1.69E+00	1.11E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Cesium-137	2.62E-01	1.59E+00	9.23E-01	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Cesium-137	8.19E-01	2.02E+00	1.22E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Cesium-137	2.53E-01	1.38E+00	1.19E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Cesium-137	4.72E-01	2.39E+00	3.61E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Cesium-137	8.74E-01	1.71E+00	1.07E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Cesium-137	5.02E-01	1.82E+00	1.09E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Cesium-137	-7.01E-02	1.48E+00	8.79E-01	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Cesium-137	6.86E-01	1.65E+00	9.95E-01	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Cesium-137	4.30E-01	1.53E+00	9.21E-01	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Cesium-137	-1.07E-01	1.60E+00	1.20E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Cesium-137	-4.14E-01	1.64E+00	1.05E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Cobalt-58	-2.48E-01	2.01E+00	1.25E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Cobalt-58	-2.98E-01	1.52E+00	9.30E-01	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Cobalt-58	-6.11E-01	1.82E+00	1.20E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Cobalt-58	-2.65E-01	1.25E+00	8.91E-01	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Cobalt-58	-6.87E-01	2.32E+00	1.51E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Cobalt-58	-4.97E-01	1.39E+00	8.74E-01	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Cobalt-58	3.35E-01	1.75E+00	1.06E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Cobalt-58	-6.29E-02	1.55E+00	9.39E-01	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Cobalt-58	5.06E-01	1.66E+00	1.00E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Cobalt-58	-5.73E-01	1.49E+00	1.00E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Cobalt-58	-2.49E-01	1.40E+00	8.91E-01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Cobalt-58	-1.64E-01	1.81E+00	1.07E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Cobalt-60	1.01E+00	1.99E+00	2.30E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Cobalt-60	-4.81E-01	1.58E+00	9.92E-01	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Cobalt-60	1.16E+00	2.04E+00	1.21E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Cobalt-60	7.13E-01	1.66E+00	9.66E-01	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Cobalt-60	1.57E-01	2.70E+00	1.57E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Cobalt-60	-4.33E-01	1.65E+00	1.07E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Cobalt-60	8.54E-01	1.95E+00	1.15E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Cobalt-60	-3.19E-01	1.64E+00	9.95E-01	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Cobalt-60	-6.31E-01	1.72E+00	1.13E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Cobalt-60	-2.00E-01	1.66E+00	1.04E+00	pCi/L

Seawater

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Cobalt-60	6.66E-01	1.58E+00	9.36E-01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Cobalt-60	5.57E-02	1.66E+00	1.00E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Iodine-131	1.23E+00	4.06E+00	2.34E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Iodine-131	6.49E-03	2.13E+00	1.27E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Iodine-131	7.11E+00	1.05E+01	6.59E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Iodine-131	2.12E-01	3.30E+00	1.90E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Iodine-131	-3.60E+00	8.35E+00	5.78E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Iodine-131	9.18E-01	2.75E+00	1.61E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Iodine-131	-3.81E-01	3.08E+00	1.81E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Iodine-131	2.56E+00	5.13E+00	3.04E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Iodine-131	-7.91E-02	2.87E+00	1.66E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Iodine-131	1.25E+00	4.38E+00	2.58E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Iodine-131	-1.30E+00	4.02E+00	2.48E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Iodine-131	-7.43E-03	1.14E+01	6.76E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Iron-55	-2.01E+01	8.94E+01	5.95E+01	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Iron-55	2.67E+01	7.04E+01	5.08E+01	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Iron-55	3.26E+00	4.29E+01	2.79E+01	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Iron-55	-2.47E+01	4.68E+01	2.83E+01	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Iron-55	-5.15E+01	6.42E+01	4.31E+01	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Iron-55	1.34E+01	9.24E+01	6.66E+01	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Iron-55	-2.59E+01	9.61E+01	7.14E+01	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Iron-55	-2.92E+01	9.81E+01	6.96E+01	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Iron-55	5.31E+00	4.03E+01	2.77E+01	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Iron-55	2.72E+00	4.90E+01	3.15E+01	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Iron-55	-9.99E-02	6.76E+01	4.51E+01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Iron-55	2.66E+01	6.78E+01	4.49E+01	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Iron-59	-1.30E+00	3.85E+00	2.42E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Iron-59	7.46E-03	3.18E+00	1.94E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Iron-59	-5.95E-01	4.13E+00	2.66E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Iron-59	1.29E+00	3.39E+00	1.96E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Iron-59	5.73E+00	5.92E+00	6.74E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Iron-59	-1.20E+00	3.11E+00	2.04E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Iron-59	-4.71E-01	3.69E+00	2.21E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Iron-59	-3.16E-01	3.67E+00	2.29E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Iron-59	1.32E+00	3.98E+00	2.31E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Iron-59	-2.75E+00	2.82E+00	2.57E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Iron-59	-6.30E-01	3.35E+00	2.04E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Iron-59	1.94E+00	4.60E+00	2.77E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Lanthanum-140	-2.29E+00	3.15E+00	3.59E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Lanthanum-140	-1.05E+00	2.03E+00	1.40E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Lanthanum-140	-1.55E+00	5.50E+00	3.55E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Lanthanum-140	1.34E-01	2.63E+00	1.55E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Lanthanum-140	-5.06E+00	5.45E+00	5.34E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Lanthanum-140	-4.98E-01	2.62E+00	1.61E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Lanthanum-140	-1.54E+00	2.51E+00	2.15E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Lanthanum-140	1.23E+00	3.63E+00	2.06E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Lanthanum-140	7.46E-01	2.35E+00	2.01E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Lanthanum-140	6.32E-01	2.98E+00	1.95E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Lanthanum-140	-2.97E-01	3.22E+00	1.99E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Lanthanum-140	-3.13E+00	5.63E+00	3.83E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Manganese-54	-9.65E-01	1.56E+00	1.13E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Manganese-54	1.21E+00	1.64E+00	1.06E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Manganese-54	6.56E-01	1.71E+00	1.03E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Manganese-54	-8.36E-01	1.42E+00	1.46E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Manganese-54	-3.54E-01	2.35E+00	1.47E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Manganese-54	1.12E-01	1.44E+00	9.45E-01	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Manganese-54	-3.29E-01	1.54E+00	9.86E-01	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Manganese-54	-6.04E-02	1.39E+00	8.42E-01	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Manganese-54	9.86E-02	1.73E+00	1.06E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Manganese-54	2.65E-01	1.44E+00	8.76E-01	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Manganese-54	1.76E-01	1.44E+00	8.26E-01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Manganese-54	-9.71E-02	1.63E+00	9.61E-01	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Nickel-63	-1.20E+01	2.51E+01	1.44E+01	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Nickel-63	1.59E+01	2.94E+01	1.85E+01	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Nickel-63	3.35E-01	1.92E+01	1.15E+01	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Nickel-63	2.97E+00	2.05E+01	1.24E+01	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Nickel-63	4.90E+00	1.61E+01	9.87E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Nickel-63	-6.74E+00	2.54E+01	1.48E+01	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Nickel-63	-6.19E+00	2.40E+01	1.40E+01	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Nickel-63	7.49E+00	2.71E+01	1.64E+01	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Nickel-63	-1.01E+00	2.48E+01	1.47E+01	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Nickel-63	-4.73E+00	3.55E+01	2.10E+01	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Nickel-63	-5.64E+00	2.49E+01	1.46E+01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Nickel-63	5.83E+00	2.89E+01	1.75E+01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Niobium-95	-3.35E-02	1.82E+00	1.11E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Niobium-95	-2.42E-01	1.46E+00	1.24E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Niobium-95	-4.48E-01	1.92E+00	1.22E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Niobium-95	9.74E-01	1.51E+00	9.51E-01	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Niobium-95	-1.23E+00	2.29E+00	1.61E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Niobium-95	-1.20E+00	1.41E+00	1.62E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Niobium-95	-1.53E+00	1.61E+00	1.49E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Niobium-95	9.11E-01	1.67E+00	1.10E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Niobium-95	-1.96E-01	1.50E+00	9.39E-01	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Niobium-95	5.53E-01	1.45E+00	1.87E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Niobium-95	2.50E-01	1.57E+00	9.57E-01	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Niobium-95	2.68E-01	2.01E+00	1.16E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Total Strontium	-2.22E+00	3.87E+00	2.22E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Total Strontium	-1.30E+00	4.05E+00	2.37E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Total Strontium	1.50E+00	1.67E+00	1.11E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Total Strontium	-4.44E-02	4.39E+00	2.61E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Total Strontium	-3.08E+00	3.27E+00	1.83E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Total Strontium	5.30E-01	2.29E+00	1.38E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Total Strontium	-9.38E+00	6.89E+00	3.85E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Total Strontium	4.45E+00	9.13E+00	5.65E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Total Strontium	-4.15E-01	1.37E+00	8.01E-01	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Total Strontium	7.72E-01	3.47E+00	2.10E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Total Strontium	1.47E+00	4.59E+00	2.79E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Total Strontium	8.51E-01	3.49E+00	2.13E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Tritium	2.97E+01	3.06E+02	1.84E+02	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Tritium	1.33E+02	3.39E+02	2.07E+02	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Tritium	1.62E+02	2.75E+02	1.75E+02	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Tritium	6.82E+02	2.72E+02	2.35E+02	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Tritium	1.06E+02	3.08E+02	1.90E+02	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Tritium	7.79E+01	2.59E+02	1.59E+02	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Tritium	-9.09E+01	2.65E+02	1.53E+02	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Tritium	1.95E+01	3.18E+02	1.91E+02	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Tritium	-7.43E+01	2.94E+02	1.71E+02	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Tritium	6.05E+01	2.92E+02	1.77E+02	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Tritium	3.09E+01	3.61E+02	2.16E+02	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Tritium	3.88E+01	3.43E+02	2.05E+02	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Zinc-65	-1.78E+00	3.22E+00	2.50E+00	pCi/L

Seawater

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Zinc-65	-1.05E+00	3.03E+00	2.00E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Zinc-65	6.61E-01	3.73E+00	2.13E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Zinc-65	4.28E-01	3.08E+00	1.76E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Zinc-65	4.14E-01	5.24E+00	3.00E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Zinc-65	1.03E+00	3.50E+00	2.07E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Zinc-65	-9.43E-01	3.51E+00	2.18E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Zinc-65	6.62E-03	3.23E+00	1.99E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Zinc-65	-2.15E+00	3.61E+00	2.83E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Zinc-65	-7.16E-02	3.53E+00	2.07E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Zinc-65	1.55E+00	3.05E+00	2.60E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Zinc-65	5.94E-01	3.51E+00	2.35E+00	pCi/L
DCM Diablo Cove Marine(566826002) - SW	10-Jan-22	Zirconium-95	6.93E-01	3.32E+00	1.98E+00	pCi/L
DCM Diablo Cove Marine(569541003) - SW	7-Feb-22	Zirconium-95	4.10E-01	2.74E+00	1.60E+00	pCi/L
DCM Diablo Cove Marine(574280002) - SW	22-Mar-22	Zirconium-95	1.37E+00	3.59E+00	2.16E+00	pCi/L
DCM Diablo Cove Marine(576847002) - SW	18-Apr-22	Zirconium-95	6.47E-01	2.53E+00	1.51E+00	pCi/L
DCM Diablo Cove Marine(575141002) - SW	23-May-22	Zirconium-95	-1.53E-01	4.56E+00	2.76E+00	pCi/L
DCM Diablo Cove Marine(583531001) - SW	22-Jun-22	Zirconium-95	9.87E-01	2.88E+00	1.66E+00	pCi/L
DCM Diablo Cove Marine(585552005) - SW	11-Jul-22	Zirconium-95	1.23E+00	2.97E+00	1.98E+00	pCi/L
DCM Diablo Cove Marine(588817002) - SW	8-Aug-22	Zirconium-95	9.12E-02	2.81E+00	1.68E+00	pCi/L
DCM Diablo Cove Marine(593602002) - SW	22-Sep-22	Zirconium-95	8.54E-01	2.93E+00	1.96E+00	pCi/L
DCM Diablo Cove Marine(597933005) - SW	26-Oct-22	Zirconium-95	-4.44E-01	2.72E+00	1.72E+00	pCi/L
DCM Diablo Cove Marine(600685004) - SW	16-Nov-22	Zirconium-95	-2.98E-02	2.53E+00	1.56E+00	pCi/L
DCM Diablo Cove Marine(602820002) - SW	14-Dec-22	Zirconium-95	6.93E-01	3.35E+00	1.94E+00	pCi/L
OUT Plant Outfall - Seawater						
OUT Plant Outfall(566826003) - SW	10-Jan-22	BETA	3.01E+02	1.21E+02	9.64E+01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	BETA	2.88E+02	1.57E+02	1.11E+02	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	BETA	1.92E+02	1.61E+02	1.07E+02	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	BETA	3.43E+02	1.77E+02	1.26E+02	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	BETA	1.82E+02	8.32E+01	6.54E+01	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	BETA	3.68E+02	1.72E+02	1.26E+02	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	BETA	3.29E+02	1.97E+02	1.35E+02	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	BETA	1.99E+02	9.58E+01	7.31E+01	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	BETA	1.89E+02	1.64E+02	1.07E+02	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	BETA	3.39E+02	8.10E+01	8.46E+01	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	BETA	3.30E+02	1.42E+02	1.08E+02	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	BETA	4.17E+02	1.31E+02	1.14E+02	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OUT Plant Outfall(566826003) - SW	10-Jan-22	Barium-140	-2.14E-01	8.24E+00	4.91E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Barium-140	-3.44E-01	5.74E+00	3.43E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Barium-140	-3.02E+00	1.28E+01	7.92E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Barium-140	6.17E+00	8.05E+00	1.90E+01	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Barium-140	-4.55E+00	1.94E+01	1.21E+01	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Barium-140	2.81E+00	8.68E+00	5.11E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Barium-140	-2.38E+00	6.39E+00	4.08E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Barium-140	1.15E+00	8.46E+00	5.00E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Barium-140	1.07E-01	8.55E+00	5.03E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Barium-140	-1.41E+00	1.06E+01	6.47E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Barium-140	2.84E-01	7.70E+00	4.50E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Barium-140	5.53E+00	1.90E+01	1.12E+01	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Cesium-134	4.66E-01	1.69E+00	1.01E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Cesium-134	6.18E-01	1.54E+00	9.33E-01	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Cesium-134	-4.28E-01	1.55E+00	1.00E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Cesium-134	2.28E-01	1.74E+00	1.00E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Cesium-134	1.93E-02	2.72E+00	1.57E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Cesium-134	1.06E+00	1.97E+00	1.22E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Cesium-134	-3.61E-01	1.30E+00	8.36E-01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Cesium-134	9.66E-01	1.85E+00	1.14E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Cesium-134	-1.58E+00	1.84E+00	1.85E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Cesium-134	6.63E-01	1.81E+00	1.04E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Cesium-134	5.57E-01	1.59E+00	9.45E-01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Cesium-134	9.25E-01	1.73E+00	1.07E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Cesium-137	9.64E-02	1.59E+00	9.54E-01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Cesium-137	-2.43E-01	1.40E+00	8.65E-01	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Cesium-137	-1.42E-03	1.63E+00	9.82E-01	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Cesium-137	2.49E-01	1.66E+00	1.01E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Cesium-137	2.31E+00	2.31E+00	2.89E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Cesium-137	3.67E-01	1.81E+00	1.07E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Cesium-137	-4.42E-02	1.36E+00	8.57E-01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Cesium-137	-1.83E-01	1.56E+00	9.62E-01	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Cesium-137	-4.93E-02	1.65E+00	9.93E-01	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Cesium-137	1.45E+00	1.82E+00	1.19E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Cesium-137	3.00E-01	1.62E+00	9.51E-01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Cesium-137	-2.33E-02	1.54E+00	9.19E-01	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Cobalt-58	-2.88E-01	1.44E+00	9.17E-01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OUT Plant Outfall(569541007) - SW	7-Feb-22	Cobalt-58	1.02E+00	1.26E+00	1.27E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Cobalt-58	1.03E-02	1.66E+00	1.01E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Cobalt-58	-8.01E-04	1.47E+00	8.54E-01	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Cobalt-58	-6.21E-01	2.37E+00	1.45E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Cobalt-58	-8.88E-01	1.51E+00	1.08E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Cobalt-58	4.44E-01	1.27E+00	8.39E-01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Cobalt-58	-7.66E-02	1.55E+00	1.01E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Cobalt-58	-1.27E+00	1.61E+00	1.21E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Cobalt-58	-1.16E-01	1.71E+00	9.98E-01	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Cobalt-58	-5.14E-01	1.29E+00	8.60E-01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Cobalt-58	-5.66E-01	1.63E+00	1.05E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Cobalt-60	-4.74E-01	1.54E+00	9.84E-01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Cobalt-60	2.53E-01	1.56E+00	9.04E-01	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Cobalt-60	-1.16E-01	1.74E+00	1.04E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Cobalt-60	-9.33E-01	1.44E+00	1.07E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Cobalt-60	-4.01E-01	2.24E+00	1.42E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Cobalt-60	1.73E-01	1.92E+00	1.12E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Cobalt-60	-5.71E-01	1.31E+00	8.65E-01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Cobalt-60	-2.35E-01	1.47E+00	1.04E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Cobalt-60	1.47E+00	1.67E+00	1.87E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Cobalt-60	2.79E-01	1.72E+00	1.01E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Cobalt-60	7.44E-01	1.64E+00	9.41E-01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Cobalt-60	-8.54E-01	1.58E+00	1.08E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Iodine-131	4.16E-01	3.10E+00	1.79E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Iodine-131	-4.58E-01	1.88E+00	1.68E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Iodine-131	4.07E-01	7.22E+00	4.18E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Iodine-131	9.43E-02	3.29E+00	1.91E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Iodine-131	-3.42E+00	8.47E+00	8.41E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Iodine-131	7.75E-02	3.31E+00	1.91E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Iodine-131	7.35E-01	2.33E+00	1.35E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Iodine-131	-1.19E+00	2.94E+00	1.86E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Iodine-131	1.04E+00	3.45E+00	2.00E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Iodine-131	-1.37E+00	4.48E+00	2.74E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Iodine-131	-9.52E-02	2.71E+00	1.56E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Iodine-131	6.79E+00	1.21E+01	7.83E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Iron-55	-3.76E+01	8.91E+01	5.88E+01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Iron-55	4.22E+01	7.16E+01	5.24E+01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OUT Plant Outfall(572316003) - SW	15-Mar-22	Iron-55	1.03E+01	5.49E+01	3.63E+01	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Iron-55	-7.80E+00	4.99E+01	3.10E+01	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Iron-55	-3.42E+01	6.85E+01	4.66E+01	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Iron-55	-7.51E+00	1.02E+02	7.27E+01	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Iron-55	-2.59E+01	9.62E+01	7.11E+01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Iron-55	-1.62E+01	1.24E+02	8.70E+01	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Iron-55	4.34E+01	1.14E+02	8.20E+01	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Iron-55	-4.96E+00	4.76E+01	3.03E+01	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Iron-55	-1.45E+01	6.25E+01	3.97E+01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Iron-55	1.21E+01	6.47E+01	4.21E+01	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Iron-59	1.04E+00	3.94E+00	2.27E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Iron-59	-3.86E-01	2.84E+00	1.69E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Iron-59	5.83E-03	4.00E+00	2.33E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Iron-59	-8.82E-01	3.37E+00	2.13E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Iron-59	-1.15E+00	5.98E+00	3.70E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Iron-59	1.12E+00	3.58E+00	2.04E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Iron-59	1.23E+00	2.94E+00	1.88E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Iron-59	-2.32E+00	3.14E+00	2.31E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Iron-59	-1.39E+00	2.78E+00	1.85E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Iron-59	-2.87E-01	3.95E+00	2.37E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Iron-59	1.97E+00	3.42E+00	2.12E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Iron-59	-5.15E-01	4.22E+00	2.89E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Lanthanum-140	-4.47E-01	2.25E+00	1.43E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Lanthanum-140	3.44E-01	2.08E+00	1.22E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Lanthanum-140	3.54E-01	4.62E+00	2.73E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Lanthanum-140	3.81E-01	2.65E+00	1.74E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Lanthanum-140	-1.30E+00	6.14E+00	3.79E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Lanthanum-140	1.55E+00	3.02E+00	1.92E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Lanthanum-140	-8.59E-01	1.84E+00	1.27E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Lanthanum-140	6.06E-01	2.88E+00	1.91E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Lanthanum-140	-8.42E-01	2.43E+00	1.59E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Lanthanum-140	-3.34E+00	3.29E+00	2.77E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Lanthanum-140	1.94E-01	2.89E+00	1.69E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Lanthanum-140	-2.45E+00	5.56E+00	3.75E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Manganese-54	9.06E-02	1.37E+00	9.33E-01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Manganese-54	-5.95E-01	1.25E+00	8.59E-01	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Manganese-54	4.29E-02	1.54E+00	9.41E-01	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OUT Plant Outfall(576847001) - SW	18-Apr-22	Manganese-54	-6.05E-01	1.42E+00	9.15E-01	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Manganese-54	6.31E-01	2.53E+00	1.45E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Manganese-54	-4.99E-01	1.54E+00	1.01E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Manganese-54	2.05E-01	1.29E+00	7.73E-01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Manganese-54	-1.10E-01	1.47E+00	9.17E-01	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Manganese-54	2.22E-01	1.69E+00	1.02E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Manganese-54	2.01E-01	1.76E+00	1.14E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Manganese-54	-1.24E+00	1.43E+00	1.61E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Manganese-54	1.79E-01	1.53E+00	9.17E-01	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Nickel-63	-2.78E+00	2.79E+01	1.65E+01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Nickel-63	6.57E+00	2.75E+01	1.68E+01	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Nickel-63	7.98E+00	2.75E+01	1.68E+01	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Nickel-63	4.83E+00	1.98E+01	1.21E+01	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Nickel-63	3.00E+00	2.00E+01	1.21E+01	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Nickel-63	1.36E+01	2.61E+01	1.64E+01	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Nickel-63	-3.62E+00	2.44E+01	1.44E+01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Nickel-63	-8.54E+00	3.46E+01	2.02E+01	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Nickel-63	-1.64E+01	3.41E+01	1.95E+01	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Nickel-63	-9.85E-01	3.33E+01	1.98E+01	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Nickel-63	4.80E+00	2.79E+01	1.69E+01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Nickel-63	-1.91E+01	3.02E+01	1.70E+01	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Niobium-95	1.30E-01	1.57E+00	9.44E-01	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Niobium-95	-5.87E-01	1.35E+00	9.04E-01	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Niobium-95	7.95E-01	1.93E+00	1.17E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Niobium-95	1.14E+00	1.74E+00	1.08E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Niobium-95	4.13E-01	2.54E+00	1.54E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Niobium-95	7.86E-01	1.83E+00	1.11E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Niobium-95	3.50E-01	1.43E+00	8.54E-01	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Niobium-95	4.62E-01	1.76E+00	1.06E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Niobium-95	4.43E-01	1.85E+00	1.11E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Niobium-95	1.94E-01	1.82E+00	1.11E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Niobium-95	5.05E-01	1.52E+00	8.99E-01	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Niobium-95	-2.75E-01	2.09E+00	2.00E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Total Strontium	4.70E+00	6.13E+00	3.93E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Total Strontium	7.36E-01	2.76E+00	1.68E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Total Strontium	1.12E+00	4.66E+00	2.83E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Total Strontium	-1.63E+00	4.89E+00	2.86E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OUT Plant Outfall(575141003) - SW	23-May-22	Total Strontium	-1.43E+00	3.18E+00	1.82E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Total Strontium	8.13E-01	2.14E+00	1.32E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Total Strontium	1.23E+00	4.70E+00	2.86E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Total Strontium	-7.27E-01	1.28E+00	7.24E-01	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Total Strontium	1.43E+00	1.62E+00	1.06E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Total Strontium	3.83E+00	4.43E+00	2.91E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Total Strontium	-7.26E-01	2.64E+00	1.53E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Total Strontium	1.99E+00	2.26E+00	1.47E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Tritium	-7.41E+01	3.49E+02	2.06E+02	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Tritium	6.34E+01	3.34E+02	2.01E+02	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Tritium	7.53E+00	3.26E+02	1.95E+02	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Tritium	2.13E+01	2.71E+02	1.62E+02	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Tritium	1.29E+02	3.09E+02	1.92E+02	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Tritium	8.48E+01	2.64E+02	1.63E+02	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Tritium	-2.72E+00	2.69E+02	1.60E+02	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Tritium	5.50E+01	2.06E+02	1.32E+02	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Tritium	-9.13E+01	2.90E+02	1.67E+02	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Tritium	1.37E+02	2.83E+02	1.77E+02	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Tritium	-4.75E+01	2.62E+02	1.54E+02	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Tritium	5.74E+01	3.50E+02	2.10E+02	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Zinc-65	-6.40E-01	3.35E+00	2.19E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Zinc-65	1.39E-01	2.85E+00	1.65E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Zinc-65	-1.77E+00	3.77E+00	3.57E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Zinc-65	-1.31E+00	3.32E+00	2.18E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Zinc-65	-1.85E+00	4.64E+00	3.08E+00	pCi/L
OUT Plant Outfall(583531002) - SW	22-Jun-22	Zinc-65	1.99E+00	3.83E+00	3.16E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Zinc-65	1.48E+00	3.05E+00	1.95E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Zinc-65	7.01E-01	3.71E+00	2.14E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Zinc-65	-1.14E+00	3.18E+00	2.27E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Zinc-65	9.81E-01	4.23E+00	2.47E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Zinc-65	-8.28E-01	3.11E+00	2.05E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Zinc-65	1.02E+00	3.60E+00	2.37E+00	pCi/L
OUT Plant Outfall(566826003) - SW	10-Jan-22	Zirconium-95	7.68E-01	2.80E+00	1.68E+00	pCi/L
OUT Plant Outfall(569541007) - SW	7-Feb-22	Zirconium-95	-9.71E-01	2.21E+00	1.49E+00	pCi/L
OUT Plant Outfall(572316003) - SW	15-Mar-22	Zirconium-95	-7.13E-02	2.82E+00	1.72E+00	pCi/L
OUT Plant Outfall(576847001) - SW	18-Apr-22	Zirconium-95	1.34E+00	2.75E+00	2.35E+00	pCi/L
OUT Plant Outfall(575141003) - SW	23-May-22	Zirconium-95	1.66E+00	4.99E+00	4.08E+00	pCi/L

2022 DCPP REMP Analysis Results

Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
OUT Plant Outfall(583531002) - SW	22-Jun-22	Zirconium-95	-9.14E-01	3.03E+00	1.95E+00	pCi/L
OUT Plant Outfall(585552009) - SW	12-Jul-22	Zirconium-95	2.44E-01	2.32E+00	1.38E+00	pCi/L
OUT Plant Outfall(590540001) - SW	24-Aug-22	Zirconium-95	-1.18E+00	2.52E+00	1.74E+00	pCi/L
OUT Plant Outfall(592026003) - SW	6-Sep-22	Zirconium-95	1.53E+00	3.11E+00	1.91E+00	pCi/L
OUT Plant Outfall(597933009) - SW	26-Oct-22	Zirconium-95	2.56E-01	3.07E+00	1.87E+00	pCi/L
OUT Plant Outfall(599713008) - SW	8-Nov-22	Zirconium-95	-2.32E+00	1.99E+00	1.78E+00	pCi/L
OUT Plant Outfall(602820006) - SW	14-Dec-22	Zirconium-95	-5.31E-01	3.14E+00	1.93E+00	pCi/L
7C2 Rattlesnake Canyon - Ocean Sediment						
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Barium-140	-6.90E+01	4.26E+02	2.58E+02	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Cesium-134	1.82E+01	5.45E+01	3.05E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Cesium-137	1.57E+01	4.83E+01	2.67E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Cobalt-58	7.58E-01	4.72E+01	3.16E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Cobalt-60	2.39E+00	4.14E+01	2.80E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Iron-55	1.33E+04	1.52E+04	1.14E+04	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Iron-59	8.19E+00	1.22E+02	6.98E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Lanthanum-140	2.26E+01	1.36E+02	7.59E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Manganese-54	-2.19E+01	4.26E+01	2.94E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Nickel-63	3.78E+02	2.80E+03	1.69E+03	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Niobium-95	5.25E+00	5.57E+01	3.16E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Total Strontium	5.74E+02	1.40E+03	9.24E+02	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Zinc-65	6.64E+01	1.18E+02	7.36E+01	pCi/kg
7C2 Rattlesnake Canyon(567647001) - SD	10-Feb-22	Zirconium-95	7.06E+00	8.99E+01	5.15E+01	pCi/kg
AVA Avila Beach - Beach Sand						
AVA Avila Beach(568229001) - SD	17-Feb-22	Barium-140	1.41E+01	2.82E+02	1.59E+02	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Barium-140	-3.71E+01	1.92E+02	1.21E+02	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Cesium-134	3.44E+01	4.89E+01	3.08E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Cesium-134	-9.62E+00	5.36E+01	3.24E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Cesium-137	3.54E+01	6.50E+01	3.76E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Cesium-137	-1.06E+01	6.57E+01	4.09E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Cobalt-58	1.19E+01	4.76E+01	2.68E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Cobalt-58	-2.65E+01	3.85E+01	3.03E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Cobalt-60	3.12E-01	4.59E+01	2.69E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Cobalt-60	8.64E+00	5.01E+01	2.73E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Iron-55	4.05E+03	8.22E+03	5.73E+03	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Iron-55	9.81E+02	8.57E+03	5.91E+03	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
AVA Avila Beach(568229001) - SD	17-Feb-22	Iron-59	-1.32E+01	1.09E+02	6.53E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Iron-59	2.21E+01	1.60E+02	9.02E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Lanthanum-140	-1.40E+00	1.20E+02	7.23E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Lanthanum-140	-1.57E+01	4.25E+01	3.40E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Manganese-54	7.46E+00	4.80E+01	2.77E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Manganese-54	-3.95E+00	5.22E+01	3.04E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Nickel-63	1.10E+03	2.83E+03	1.75E+03	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Nickel-63	3.04E+02	2.12E+03	1.28E+03	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Niobium-95	-2.03E+01	4.90E+01	3.36E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Niobium-95	-8.76E+00	4.55E+01	3.00E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Total Strontium	2.56E+02	1.48E+03	9.24E+02	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Total Strontium	-3.24E+02	1.04E+03	5.73E+02	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Zinc-65	-8.42E+00	1.31E+02	7.69E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Zinc-65	-3.24E+01	1.28E+02	8.28E+01	pCi/kg
AVA Avila Beach(568229001) - SD	17-Feb-22	Zirconium-95	-2.77E+01	8.10E+01	5.44E+01	pCi/kg
AVA Avila Beach(593603001) - SD	23-Sep-22	Zirconium-95	2.96E+00	8.95E+01	5.33E+01	pCi/kg

CBA Cambria Moonstone Beach - Beach Sand

CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Barium-140	-1.54E+01	2.15E+02	1.21E+02	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Barium-140	6.15E+01	2.11E+02	1.13E+02	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Cesium-134	7.24E+00	3.78E+01	2.13E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Cesium-134	3.56E+01	5.56E+01	5.03E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Cesium-137	1.58E+01	4.09E+01	2.27E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Cesium-137	9.24E+00	4.64E+01	2.56E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Cobalt-58	5.48E+00	3.60E+01	2.04E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Cobalt-58	-6.51E+00	2.25E+01	1.89E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Cobalt-60	-9.72E+00	2.23E+01	1.67E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Cobalt-60	1.57E+01	4.97E+01	2.57E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Iron-55	-2.65E+01	1.31E+04	9.22E+03	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Iron-55	3.71E+03	8.75E+03	6.19E+03	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Iron-59	-7.54E+00	5.41E+01	3.32E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Iron-59	-4.58E+01	6.84E+01	5.58E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Lanthanum-140	-3.19E+01	4.91E+01	4.22E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Lanthanum-140	-2.55E+01	6.18E+01	4.79E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Manganese-54	6.96E+00	3.56E+01	2.03E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Manganese-54	-2.66E+01	2.87E+01	2.76E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Nickel-63	1.10E+03	2.46E+03	1.53E+03	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Nickel-63	1.85E+03	2.40E+03	1.57E+03	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Niobium-95	-8.63E+00	3.30E+01	2.09E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Niobium-95	2.35E+01	4.49E+01	2.46E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Total Strontium	6.06E+02	1.21E+03	8.28E+02	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Total Strontium	1.10E+02	7.65E+02	4.77E+02	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Zinc-65	-3.85E+00	6.94E+01	4.74E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Zinc-65	1.05E+00	9.09E+01	5.90E+01	pCi/kg
CBA Cambria Moonstone Beach(568229002) - SD	17-Feb-22	Zirconium-95	8.48E-01	5.46E+01	3.62E+01	pCi/kg
CBA Cambria Moonstone Beach(593603002) - SD	23-Sep-22	Zirconium-95	1.03E+01	6.49E+01	3.58E+01	pCi/kg
CYA Cayucos Beach - Beach Sand						
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Barium-140	-1.16E+02	1.32E+02	1.11E+02	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Barium-140	-1.83E+01	1.71E+02	1.00E+02	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Cesium-134	1.00E+01	4.49E+01	2.56E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Cesium-134	4.49E+01	5.27E+01	3.35E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Cesium-137	3.26E+01	4.72E+01	2.78E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Cesium-137	4.08E+00	5.05E+01	2.89E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Cobalt-58	-3.06E+00	3.39E+01	2.08E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Cobalt-58	5.86E-02	4.02E+01	2.61E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Cobalt-60	-1.28E+01	3.55E+01	2.48E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Cobalt-60	1.91E+01	4.95E+01	2.70E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Iron-55	5.58E+04	1.34E+04	1.40E+04	pCi/kg
CYA Cayucos Beach(574547001) - SD	31-Mar-22	Iron-55	-3.71E+03	1.02E+04	6.61E+03	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Iron-55	-4.62E+02	6.99E+03	4.78E+03	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Iron-59	-1.74E+01	7.17E+01	4.59E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Iron-59	-6.05E+01	7.29E+01	6.00E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Lanthanum-140	-2.05E+01	5.15E+01	3.77E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Lanthanum-140	-1.36E+01	4.70E+01	3.23E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Manganese-54	-2.45E+00	3.92E+01	2.40E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Manganese-54	-7.64E+00	3.81E+01	2.29E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Nickel-63	1.15E+03	2.38E+03	1.49E+03	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Nickel-63	8.52E+02	2.16E+03	1.35E+03	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Niobium-95	7.54E+00	3.81E+01	2.16E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Niobium-95	2.13E+01	4.95E+01	2.80E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Total Strontium	-1.66E+02	1.25E+03	7.13E+02	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Total Strontium	3.65E+02	7.93E+02	5.25E+02	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Zinc-65	-2.41E+00	7.63E+01	5.23E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Zinc-65	1.03E+02	1.23E+02	7.99E+01	pCi/kg
CYA Cayucos Beach(568229003) - SD	17-Feb-22	Zirconium-95	-5.24E+00	6.07E+01	3.68E+01	pCi/kg
CYA Cayucos Beach(593603003) - SD	23-Sep-22	Zirconium-95	4.34E+00	6.91E+01	4.04E+01	pCi/kg
DCM Diablo Cove Marine - Ocean Sediment						
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Barium-140	1.00E+01	3.18E+02	1.85E+02	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Cesium-134	-4.96E+00	4.17E+01	2.47E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Cesium-137	2.43E+01	4.46E+01	2.60E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Cobalt-58	4.96E+00	4.63E+01	2.60E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Cobalt-60	-2.11E+01	3.30E+01	2.73E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Iron-55	3.75E+03	8.43E+03	5.96E+03	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Iron-59	-1.80E+01	1.00E+02	6.33E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Lanthanum-140	-2.30E+00	1.11E+02	6.62E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Manganese-54	-1.34E+00	4.10E+01	2.39E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Nickel-63	3.27E+01	2.05E+03	1.22E+03	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Niobium-95	1.81E+01	4.79E+01	2.64E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Total Strontium	4.54E+01	1.55E+03	9.29E+02	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Zinc-65	1.74E+01	9.20E+01	5.89E+01	pCi/kg
DCM Diablo Cove Marine(567647002) - SD	11-Feb-22	Zirconium-95	-1.25E+01	7.72E+01	4.61E+01	pCi/kg
MDO Montana de Oro - Beach Sand						
MDO Montana de Oro(568229004) - SD	17-Feb-22	Barium-140	3.27E+01	2.71E+02	1.66E+02	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Barium-140	-1.97E+00	2.13E+02	1.24E+02	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Cesium-134	9.75E+00	3.99E+01	1.97E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Cesium-134	7.83E+00	4.57E+01	2.44E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Cesium-137	3.71E+00	5.71E+01	3.32E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Cesium-137	3.57E+01	5.65E+01	3.12E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Cobalt-58	-4.34E+00	5.35E+01	3.12E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Cobalt-58	-1.36E+01	3.71E+01	2.51E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Cobalt-60	-1.30E+01	2.73E+01	2.48E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Cobalt-60	-1.03E+01	3.74E+01	2.54E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Iron-55	1.06E+04	1.67E+04	1.22E+04	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Iron-55	6.03E+02	8.87E+03	6.08E+03	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Iron-59	-2.18E+01	1.28E+02	8.10E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Iron-59	7.78E+00	1.21E+02	6.97E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Lanthanum-140	-2.79E+01	8.45E+01	6.27E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Lanthanum-140	-2.48E+01	6.89E+01	5.07E+01	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
MDO Montana de Oro(568229004) - SD	17-Feb-22	Manganese-54	1.70E+01	3.80E+01	1.74E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Manganese-54	1.86E+01	5.17E+01	2.97E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Nickel-63	2.26E+02	2.40E+03	1.44E+03	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Nickel-63	1.74E+03	2.18E+03	1.43E+03	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Niobium-95	1.07E+01	4.81E+01	2.72E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Niobium-95	-8.72E+00	4.28E+01	2.62E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Total Strontium	-6.11E+02	1.47E+03	7.63E+02	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Total Strontium	4.14E+01	9.87E+02	5.93E+02	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Zinc-65	1.90E+00	1.27E+02	7.40E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Zinc-65	1.17E+01	1.14E+02	7.37E+01	pCi/kg
MDO Montana de Oro(568229004) - SD	17-Feb-22	Zirconium-95	8.40E+00	6.45E+01	3.36E+01	pCi/kg
MDO Montana de Oro(593603004) - SD	23-Sep-22	Zirconium-95	-1.86E+01	6.30E+01	4.08E+01	pCi/kg
PMO Pismo Beach - Beach Sand						
PMO Pismo Beach(568229005) - SD	17-Feb-22	Barium-140	3.69E+01	3.31E+02	1.92E+02	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Barium-140	4.40E+01	2.34E+02	1.29E+02	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Cesium-134	3.26E+01	7.34E+01	4.25E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Cesium-134	2.21E+01	6.46E+01	3.65E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Cesium-137	8.24E-01	6.12E+01	3.69E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Cesium-137	-1.58E+01	4.20E+01	2.84E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Cobalt-58	-6.24E+00	5.92E+01	3.54E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Cobalt-58	-3.51E+00	4.96E+01	3.04E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Cobalt-60	-1.60E+01	5.35E+01	3.51E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Cobalt-60	-1.09E+01	4.82E+01	3.12E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Iron-55	7.24E+03	8.94E+03	6.51E+03	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Iron-55	-9.47E+01	7.90E+03	5.37E+03	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Iron-59	6.42E+00	1.32E+02	7.59E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Iron-59	3.42E+01	1.28E+02	7.72E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Lanthanum-140	-3.03E+01	1.05E+02	6.83E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Lanthanum-140	2.08E+01	8.07E+01	4.28E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Manganese-54	-1.85E+01	5.40E+01	3.48E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Manganese-54	-3.29E+01	3.52E+01	3.20E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Nickel-63	1.12E+03	2.45E+03	1.52E+03	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Nickel-63	9.31E+02	1.90E+03	1.20E+03	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Niobium-95	5.13E+01	5.59E+01	6.18E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Niobium-95	-6.34E+00	5.00E+01	3.10E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Total Strontium	1.50E+02	1.24E+03	7.63E+02	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
PMO Pismo Beach(593603005) - SD	23-Sep-22	Total Strontium	5.22E+02	1.30E+03	8.33E+02	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Zinc-65	-1.53E+00	1.19E+02	8.06E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Zinc-65	-1.01E+02	1.07E+02	9.04E+01	pCi/kg
PMO Pismo Beach(568229005) - SD	17-Feb-22	Zirconium-95	2.92E+01	1.19E+02	7.61E+01	pCi/kg
PMO Pismo Beach(593603005) - SD	23-Sep-22	Zirconium-95	1.62E+01	9.52E+01	5.43E+01	pCi/kg
3C1 Household Garden - Broadleaf Vegetation						
3C1 Household Garden(566171001) - VG Brdleaf	22-Feb-22	Cesium-134	8.48E-01	1.11E+01	6.77E+00	pCi/kg
3C1 Household Garden(580697002) - VG Brdleaf	24-May-22	Cesium-134	6.01E+00	1.14E+01	6.88E+00	pCi/kg
3C1 Household Garden(590539001) - VG Brdleaf	25-Aug-22	Cesium-134	4.64E+00	7.83E+00	4.67E+00	pCi/kg
3C1 Household Garden(604616001) - VG Brdleaf	22-Dec-22	Cesium-134	2.49E+00	8.64E+00	5.23E+00	pCi/kg
3C1 Household Garden(566171001) - VG Brdleaf	22-Feb-22	Cesium-137	-3.73E+00	1.42E+01	1.15E+01	pCi/kg
3C1 Household Garden(580697002) - VG Brdleaf	24-May-22	Cesium-137	-6.43E+00	1.27E+01	1.30E+01	pCi/kg
3C1 Household Garden(590539001) - VG Brdleaf	25-Aug-22	Cesium-137	4.47E+00	6.53E+00	8.03E+00	pCi/kg
3C1 Household Garden(604616001) - VG Brdleaf	22-Dec-22	Cesium-137	-5.64E+00	8.35E+00	7.96E+00	pCi/kg
3C1 Household Garden(566171001) - VG Brdleaf	22-Feb-22	Iodine-131	1.22E+01	1.31E+01	1.30E+01	pCi/kg
3C1 Household Garden(580697002) - VG Brdleaf	24-May-22	Iodine-131	-2.38E+00	1.71E+01	1.04E+01	pCi/kg
3C1 Household Garden(590539001) - VG Brdleaf	25-Aug-22	Iodine-131	-1.57E+00	9.50E+00	5.73E+00	pCi/kg
3C1 Household Garden(604616001) - VG Brdleaf	22-Dec-22	Iodine-131	-1.68E+00	1.35E+01	8.04E+00	pCi/kg
3C1 Household Garden - Fruit						
3C1 Household Garden Fruit(571006001) - VG Fruit	22-Feb-22	Cesium-134	-3.03E-01	8.16E+00	4.76E+00	pCi/kg
3C1 Household Garden Fruit(580697003) - VG Fruit	24-May-22	Cesium-134	-2.13E+00	6.41E+00	4.28E+00	pCi/kg
3C1 Household Garden Fruit(590544001) - VG Fruit	25-Aug-22	Cesium-134	2.96E+00	1.57E+01	9.26E+00	pCi/kg
3C1 Household Garden Fruit(604616002) - VG Fruit	22-Dec-22	Cesium-134	5.50E+00	1.27E+01	7.65E+00	pCi/kg
3C1 Household Garden Fruit(571006001) - VG Fruit	22-Feb-22	Cesium-137	6.00E-01	8.21E+00	5.02E+00	pCi/kg
3C1 Household Garden Fruit(580697003) - VG Fruit	24-May-22	Cesium-137	6.12E+00	6.12E+00	8.59E+00	pCi/kg
3C1 Household Garden Fruit(590544001) - VG Fruit	25-Aug-22	Cesium-137	-7.10E+00	1.47E+01	1.28E+01	pCi/kg
3C1 Household Garden Fruit(604616002) - VG Fruit	22-Dec-22	Cesium-137	1.10E+00	1.23E+01	8.18E+00	pCi/kg
3C1 Household Garden Fruit(571006001) - VG Fruit	22-Feb-22	Iodine-131	1.39E+00	9.31E+00	5.53E+00	pCi/kg
3C1 Household Garden Fruit(580697003) - VG Fruit	24-May-22	Iodine-131	1.80E-01	1.16E+01	6.72E+00	pCi/kg
3C1 Household Garden Fruit(590544001) - VG Fruit	25-Aug-22	Iodine-131	-8.83E+00	1.68E+01	1.84E+01	pCi/kg
3C1 Household Garden Fruit(604616002) - VG Fruit	22-Dec-22	Iodine-131	7.68E+00	2.12E+01	1.23E+01	pCi/kg
5F2 Cal Poly Farm - Broadleaf Vegetation						
5F2 Cal Poly Farm(568230002) - VG Brdleaf	25-Jan-22	Cesium-134	1.83E+00	1.19E+01	6.92E+00	pCi/kg
5F2 Cal Poly Farm(568943002) - VG Brdleaf	1-Feb-22	Cesium-134	2.08E+00	1.12E+01	6.71E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
5F2 Cal Poly Farm(572315001) - VG Brdleaf	8-Mar-22	Cesium-134	-2.25E-01	7.89E+00	4.73E+00	pCi/kg
5F2 Cal Poly Farm(576102002) - VG Brdleaf	11-Apr-22	Cesium-134	2.16E+00	1.09E+01	6.59E+00	pCi/kg
5F2 Cal Poly Farm(578405001) - VG Brdleaf	3-May-22	Cesium-134	2.29E+00	1.07E+01	6.32E+00	pCi/kg
5F2 Cal Poly Farm(582796001) - VG Brdleaf	14-Jun-22	Cesium-134	8.44E-01	7.92E+00	5.10E+00	pCi/kg
5F2 Cal Poly Farm(584818002) - VG Brdleaf	12-Jul-22	Cesium-134	1.06E+01	1.39E+01	8.65E+00	pCi/kg
5F2 Cal Poly Farm(590539002) - VG Brdleaf	23-Aug-22	Cesium-134	2.38E-02	5.23E+00	3.19E+00	pCi/kg
5F2 Cal Poly Farm(592705003) - VG Brdleaf	12-Sep-22	Cesium-134	1.09E+00	3.95E+00	2.31E+00	pCi/kg
5F2 Cal Poly Farm(596163002) - VG Brdleaf	11-Oct-22	Cesium-134	1.12E+00	7.82E+00	4.72E+00	pCi/kg
5F2 Cal Poly Farm(598815004) - VG Brdleaf	1-Nov-22	Cesium-134	-3.80E+00	8.69E+00	5.96E+00	pCi/kg
5F2 Cal Poly Farm(603776001) - VG Brdleaf	12-Dec-22	Cesium-134	2.22E+00	7.19E+00	4.16E+00	pCi/kg
5F2 Cal Poly Farm(568230002) - VG Brdleaf	25-Jan-22	Cesium-137	7.09E+00	1.18E+01	7.14E+00	pCi/kg
5F2 Cal Poly Farm(568943002) - VG Brdleaf	1-Feb-22	Cesium-137	9.17E+00	9.17E+00	1.19E+01	pCi/kg
5F2 Cal Poly Farm(572315001) - VG Brdleaf	8-Mar-22	Cesium-137	4.08E+00	8.58E+00	5.12E+00	pCi/kg
5F2 Cal Poly Farm(576102002) - VG Brdleaf	11-Apr-22	Cesium-137	-2.82E+00	1.03E+01	8.38E+00	pCi/kg
5F2 Cal Poly Farm(578405001) - VG Brdleaf	3-May-22	Cesium-137	-1.15E+01	1.20E+01	1.05E+01	pCi/kg
5F2 Cal Poly Farm(582796001) - VG Brdleaf	14-Jun-22	Cesium-137	-6.89E+00	8.42E+00	7.86E+00	pCi/kg
5F2 Cal Poly Farm(584818002) - VG Brdleaf	12-Jul-22	Cesium-137	9.12E+00	1.20E+01	7.68E+00	pCi/kg
5F2 Cal Poly Farm(590539002) - VG Brdleaf	23-Aug-22	Cesium-137	6.16E-01	4.60E+00	3.04E+00	pCi/kg
5F2 Cal Poly Farm(592705003) - VG Brdleaf	12-Sep-22	Cesium-137	2.37E+00	3.97E+00	2.42E+00	pCi/kg
5F2 Cal Poly Farm(596163002) - VG Brdleaf	11-Oct-22	Cesium-137	-7.98E-01	6.39E+00	3.96E+00	pCi/kg
5F2 Cal Poly Farm(598815004) - VG Brdleaf	1-Nov-22	Cesium-137	3.90E+00	8.79E+00	5.20E+00	pCi/kg
5F2 Cal Poly Farm(603776001) - VG Brdleaf	12-Dec-22	Cesium-137	4.65E-02	7.23E+00	4.20E+00	pCi/kg
5F2 Cal Poly Farm(568230002) - VG Brdleaf	25-Jan-22	Iodine-131	1.28E+00	1.71E+01	1.02E+01	pCi/kg
5F2 Cal Poly Farm(568943002) - VG Brdleaf	1-Feb-22	Iodine-131	1.32E+00	1.41E+01	8.29E+00	pCi/kg
5F2 Cal Poly Farm(572315001) - VG Brdleaf	8-Mar-22	Iodine-131	-8.09E-01	1.09E+01	6.97E+00	pCi/kg
5F2 Cal Poly Farm(576102002) - VG Brdleaf	11-Apr-22	Iodine-131	9.74E-01	1.30E+01	7.52E+00	pCi/kg
5F2 Cal Poly Farm(578405001) - VG Brdleaf	3-May-22	Iodine-131	-5.07E+00	1.05E+01	8.44E+00	pCi/kg
5F2 Cal Poly Farm(582796001) - VG Brdleaf	14-Jun-22	Iodine-131	-8.55E+00	1.23E+01	1.08E+01	pCi/kg
5F2 Cal Poly Farm(584818002) - VG Brdleaf	12-Jul-22	Iodine-131	3.62E+00	2.04E+01	1.18E+01	pCi/kg
5F2 Cal Poly Farm(590539002) - VG Brdleaf	23-Aug-22	Iodine-131	-3.13E+00	6.77E+00	4.34E+00	pCi/kg
5F2 Cal Poly Farm(592705003) - VG Brdleaf	12-Sep-22	Iodine-131	2.16E-01	4.27E+00	2.64E+00	pCi/kg
5F2 Cal Poly Farm(596163002) - VG Brdleaf	11-Oct-22	Iodine-131	2.52E+00	1.52E+01	8.81E+00	pCi/kg
5F2 Cal Poly Farm(598815004) - VG Brdleaf	1-Nov-22	Iodine-131	2.16E+00	1.18E+01	6.76E+00	pCi/kg
5F2 Cal Poly Farm(603776001) - VG Brdleaf	12-Dec-22	Iodine-131	2.12E+00	1.60E+01	9.73E+00	pCi/kg

6C1 Household Garden - Broadleaf Vegetation

6C1 Household Garden(566171003) - VG Brdleaf	15-Feb-22	Cesium-134	3.59E+00	1.67E+01	9.49E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
6C1 Household Garden(575140003) - VG Brdleaf	26-Apr-22	Cesium-134	-4.98E+00	1.16E+01	7.85E+00	pCi/kg
6C1 Household Garden(590539003) - VG Brdleaf	25-Aug-22	Cesium-134	4.70E+00	6.45E+00	6.56E+00	pCi/kg
6C1 Household Garden(604616003) - VG Brdleaf	22-Dec-22	Cesium-134	-2.79E+00	1.02E+01	6.58E+00	pCi/kg
6C1 Household Garden(566171003) - VG Brdleaf	15-Feb-22	Cesium-137	8.09E+00	1.47E+01	9.80E+00	pCi/kg
6C1 Household Garden(575140003) - VG Brdleaf	26-Apr-22	Cesium-137	2.42E+00	1.10E+01	6.47E+00	pCi/kg
6C1 Household Garden(590539003) - VG Brdleaf	25-Aug-22	Cesium-137	4.27E+00	6.02E+00	4.08E+00	pCi/kg
6C1 Household Garden(604616003) - VG Brdleaf	22-Dec-22	Cesium-137	-1.07E+00	9.98E+00	6.10E+00	pCi/kg
6C1 Household Garden(566171003) - VG Brdleaf	15-Feb-22	Iodine-131	8.24E+00	2.95E+01	1.72E+01	pCi/kg
6C1 Household Garden(575140003) - VG Brdleaf	26-Apr-22	Iodine-131	2.66E+00	1.66E+01	1.05E+01	pCi/kg
6C1 Household Garden(590539003) - VG Brdleaf	25-Aug-22	Iodine-131	3.74E+00	7.93E+00	4.70E+00	pCi/kg
6C1 Household Garden(604616003) - VG Brdleaf	22-Dec-22	Iodine-131	1.92E+00	1.88E+01	1.08E+01	pCi/kg
7C1 Pecho Creek Ruins - Broadleaf Vegetation						
7C1 Pecho Creek Ruins(568230003) - VG Brdleaf	25-Jan-22	Cesium-134	7.03E+00	1.15E+01	6.88E+00	pCi/kg
7C1 Pecho Creek Ruins(568943003) - VG Brdleaf	1-Feb-22	Cesium-134	5.22E+00	1.22E+01	7.34E+00	pCi/kg
7C1 Pecho Creek Ruins(572315002) - VG Brdleaf	8-Mar-22	Cesium-134	3.25E+00	9.66E+00	5.53E+00	pCi/kg
7C1 Pecho Creek Ruins(576102003) - VG Brdleaf	11-Apr-22	Cesium-134	2.67E+00	1.27E+01	8.12E+00	pCi/kg
7C1 Pecho Creek Ruins(578405002) - VG Brdleaf	3-May-22	Cesium-134	2.35E+00	1.21E+01	6.92E+00	pCi/kg
7C1 Pecho Creek Ruins(582796003) - VG Brdleaf	14-Jun-22	Cesium-134	5.34E+00	1.72E+01	1.04E+01	pCi/kg
7C1 Pecho Creek Ruins(584818004) - VG Brdleaf	12-Jul-22	Cesium-134	3.08E+00	1.23E+01	7.18E+00	pCi/kg
7C1 Pecho Creek Ruins(588816002) - VG Brdleaf	8-Aug-22	Cesium-134	-1.74E+00	1.50E+01	9.26E+00	pCi/kg
7C1 Pecho Creek Ruins(592705001) - VG Brdleaf	12-Sep-22	Cesium-134	-9.53E+00	1.24E+01	1.12E+01	pCi/kg
7C1 Pecho Creek Ruins(596163004) - VG Brdleaf	11-Oct-22	Cesium-134	3.28E+00	6.37E+00	3.83E+00	pCi/kg
7C1 Pecho Creek Ruins(598815005) - VG Brdleaf	1-Nov-22	Cesium-134	1.70E+00	1.23E+01	7.31E+00	pCi/kg
7C1 Pecho Creek Ruins(603776003) - VG Brdleaf	12-Dec-22	Cesium-134	-3.88E+00	1.52E+01	1.61E+01	pCi/kg
7C1 Pecho Creek Ruins(568230003) - VG Brdleaf	25-Jan-22	Cesium-137	2.11E+00	1.05E+01	1.19E+01	pCi/kg
7C1 Pecho Creek Ruins(568943003) - VG Brdleaf	1-Feb-22	Cesium-137	-1.09E+01	1.08E+01	1.11E+01	pCi/kg
7C1 Pecho Creek Ruins(572315002) - VG Brdleaf	8-Mar-22	Cesium-137	-3.71E+00	7.51E+00	5.24E+00	pCi/kg
7C1 Pecho Creek Ruins(576102003) - VG Brdleaf	11-Apr-22	Cesium-137	-1.22E+01	2.53E+01	1.71E+01	pCi/kg
7C1 Pecho Creek Ruins(578405002) - VG Brdleaf	3-May-22	Cesium-137	5.13E+00	1.18E+01	7.26E+00	pCi/kg
7C1 Pecho Creek Ruins(582796003) - VG Brdleaf	14-Jun-22	Cesium-137	1.29E+01	1.35E+01	2.40E+01	pCi/kg
7C1 Pecho Creek Ruins(584818004) - VG Brdleaf	12-Jul-22	Cesium-137	1.07E+01	1.39E+01	8.89E+00	pCi/kg
7C1 Pecho Creek Ruins(588816002) - VG Brdleaf	8-Aug-22	Cesium-137	5.20E+00	1.42E+01	8.47E+00	pCi/kg
7C1 Pecho Creek Ruins(592705001) - VG Brdleaf	12-Sep-22	Cesium-137	-2.31E+00	9.95E+00	6.23E+00	pCi/kg
7C1 Pecho Creek Ruins(596163004) - VG Brdleaf	11-Oct-22	Cesium-137	3.24E+00	5.80E+00	3.51E+00	pCi/kg
7C1 Pecho Creek Ruins(598815005) - VG Brdleaf	1-Nov-22	Cesium-137	5.81E+00	1.07E+01	6.42E+00	pCi/kg
7C1 Pecho Creek Ruins(603776003) - VG Brdleaf	12-Dec-22	Cesium-137	8.36E+00	1.56E+01	9.23E+00	pCi/kg

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Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7C1 Pecho Creek Ruins(568230003) - VG Brdleaf	25-Jan-22	Iodine-131	-1.61E+00	1.51E+01	8.86E+00	pCi/kg
7C1 Pecho Creek Ruins(568943003) - VG Brdleaf	1-Feb-22	Iodine-131	-8.48E-01	1.55E+01	9.08E+00	pCi/kg
7C1 Pecho Creek Ruins(572315002) - VG Brdleaf	8-Mar-22	Iodine-131	4.46E+00	1.44E+01	8.40E+00	pCi/kg
7C1 Pecho Creek Ruins(576102003) - VG Brdleaf	11-Apr-22	Iodine-131	-3.31E+00	1.47E+01	8.92E+00	pCi/kg
7C1 Pecho Creek Ruins(578405002) - VG Brdleaf	3-May-22	Iodine-131	4.67E+00	1.37E+01	8.13E+00	pCi/kg
7C1 Pecho Creek Ruins(582796003) - VG Brdleaf	14-Jun-22	Iodine-131	2.46E+01	2.46E+01	3.09E+01	pCi/kg
7C1 Pecho Creek Ruins(584818004) - VG Brdleaf	12-Jul-22	Iodine-131	-2.75E+00	2.12E+01	1.31E+01	pCi/kg
7C1 Pecho Creek Ruins(588816002) - VG Brdleaf	8-Aug-22	Iodine-131	3.96E+00	2.24E+01	1.29E+01	pCi/kg
7C1 Pecho Creek Ruins(592705001) - VG Brdleaf	12-Sep-22	Iodine-131	-1.28E+00	1.44E+01	8.40E+00	pCi/kg
7C1 Pecho Creek Ruins(596163004) - VG Brdleaf	11-Oct-22	Iodine-131	2.67E+00	1.18E+01	7.33E+00	pCi/kg
7C1 Pecho Creek Ruins(598815005) - VG Brdleaf	1-Nov-22	Iodine-131	-1.30E+00	1.24E+01	8.40E+00	pCi/kg
7C1 Pecho Creek Ruins(603776003) - VG Brdleaf	12-Dec-22	Iodine-131	-1.64E+01	3.25E+01	2.43E+01	pCi/kg
7E1 Avila Valley Barn - Broadleaf Vegetation						
7E1 Avila Valley Barn(566171005) - VG Brdleaf	14-Feb-22	Cesium-134	-2.24E+00	1.10E+01	6.82E+00	pCi/kg
7E1 Avila Valley Barn(576849001) - VG Brdleaf	21-Apr-22	Cesium-134	3.91E+00	8.35E+00	4.89E+00	pCi/kg
7E1 Avila Valley Barn(588816006) - VG Brdleaf	8-Aug-22	Cesium-134	-4.29E-03	3.60E+00	2.23E+00	pCi/kg
7E1 Avila Valley Barn(598811004) - VG Brdleaf	31-Oct-22	Cesium-134	2.11E+00	8.75E+00	5.00E+00	pCi/kg
7E1 Avila Valley Barn(566171005) - VG Brdleaf	14-Feb-22	Cesium-137	3.84E+00	1.10E+01	6.36E+00	pCi/kg
7E1 Avila Valley Barn(576849001) - VG Brdleaf	21-Apr-22	Cesium-137	1.41E+00	7.52E+00	4.57E+00	pCi/kg
7E1 Avila Valley Barn(588816006) - VG Brdleaf	8-Aug-22	Cesium-137	2.14E+00	3.36E+00	2.91E+00	pCi/kg
7E1 Avila Valley Barn(598811004) - VG Brdleaf	31-Oct-22	Cesium-137	-1.09E+00	8.36E+00	5.88E+00	pCi/kg
7E1 Avila Valley Barn(566171005) - VG Brdleaf	14-Feb-22	Iodine-131	3.69E+00	2.04E+01	1.22E+01	pCi/kg
7E1 Avila Valley Barn(576849001) - VG Brdleaf	21-Apr-22	Iodine-131	-2.76E+00	9.03E+00	5.70E+00	pCi/kg
7E1 Avila Valley Barn(588816006) - VG Brdleaf	8-Aug-22	Iodine-131	1.71E+00	5.29E+00	3.12E+00	pCi/kg
7E1 Avila Valley Barn(598811004) - VG Brdleaf	31-Oct-22	Iodine-131	-1.63E+00	1.03E+01	6.16E+00	pCi/kg
7G1 Arroyo Grande - Broadleaf Vegetation						
7G1 Arroyo Grande(568230004) - VG Brdleaf	25-Jan-22	Cesium-134	5.01E+00	9.20E+00	5.41E+00	pCi/kg
7G1 Arroyo Grande(568943004) - VG Brdleaf	1-Feb-22	Cesium-134	-4.06E+00	9.28E+00	1.17E+01	pCi/kg
7G1 Arroyo Grande(572315003) - VG Brdleaf	8-Mar-22	Cesium-134	2.69E+00	8.37E+00	4.87E+00	pCi/kg
7G1 Arroyo Grande(576102004) - VG Brdleaf	11-Apr-22	Cesium-134	4.52E+00	1.54E+01	8.82E+00	pCi/kg
7G1 Arroyo Grande(578405003) - VG Brdleaf	3-May-22	Cesium-134	1.11E+01	1.11E+01	1.01E+01	pCi/kg
7G1 Arroyo Grande(582796002) - VG Brdleaf	14-Jun-22	Cesium-134	-2.46E-01	9.45E+00	5.87E+00	pCi/kg
7G1 Arroyo Grande(584818006) - VG Brdleaf	12-Jul-22	Cesium-134	1.49E+00	5.18E+00	2.97E+00	pCi/kg
7G1 Arroyo Grande(590539004) - VG Brdleaf	23-Aug-22	Cesium-134	-8.67E-01	1.01E+01	6.69E+00	pCi/kg
7G1 Arroyo Grande(592705002) - VG Brdleaf	12-Sep-22	Cesium-134	7.43E+00	1.64E+01	9.82E+00	pCi/kg

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Attachment 2

Sample Name	Date Collected	Nuclide	Result	MDC	2 Sigma TPU	Units
7G1 Arroyo Grande(596163007) - VG Brdleaf	11-Oct-22	Cesium-134	1.73E+00	4.78E+00	2.83E+00	pCi/kg
7G1 Arroyo Grande(598815006) - VG Brdleaf	1-Nov-22	Cesium-134	1.23E+00	9.32E+00	5.36E+00	pCi/kg
7G1 Arroyo Grande(603776002) - VG Brdleaf	12-Dec-22	Cesium-134	-1.48E+00	1.31E+01	8.15E+00	pCi/kg
7G1 Arroyo Grande(568230004) - VG Brdleaf	25-Jan-22	Cesium-137	5.95E-01	8.63E+00	5.28E+00	pCi/kg
7G1 Arroyo Grande(568943004) - VG Brdleaf	1-Feb-22	Cesium-137	2.28E+00	8.70E+00	5.06E+00	pCi/kg
7G1 Arroyo Grande(572315003) - VG Brdleaf	8-Mar-22	Cesium-137	3.40E+00	8.74E+00	5.11E+00	pCi/kg
7G1 Arroyo Grande(576102004) - VG Brdleaf	11-Apr-22	Cesium-137	-1.39E+01	2.03E+01	1.75E+01	pCi/kg
7G1 Arroyo Grande(578405003) - VG Brdleaf	3-May-22	Cesium-137	1.67E+00	1.01E+01	5.90E+00	pCi/kg
7G1 Arroyo Grande(582796002) - VG Brdleaf	14-Jun-22	Cesium-137	4.23E+00	9.05E+00	5.53E+00	pCi/kg
7G1 Arroyo Grande(584818006) - VG Brdleaf	12-Jul-22	Cesium-137	-3.17E+00	7.29E+00	5.16E+00	pCi/kg
7G1 Arroyo Grande(590539004) - VG Brdleaf	23-Aug-22	Cesium-137	4.31E+00	9.31E+00	1.14E+01	pCi/kg
7G1 Arroyo Grande(592705002) - VG Brdleaf	12-Sep-22	Cesium-137	5.85E+00	1.45E+01	8.55E+00	pCi/kg
7G1 Arroyo Grande(596163007) - VG Brdleaf	11-Oct-22	Cesium-137	1.03E+00	4.49E+00	2.63E+00	pCi/kg
7G1 Arroyo Grande(598815006) - VG Brdleaf	1-Nov-22	Cesium-137	3.89E+00	9.87E+00	9.31E+00	pCi/kg
7G1 Arroyo Grande(603776002) - VG Brdleaf	12-Dec-22	Cesium-137	-1.04E+01	1.39E+01	1.27E+01	pCi/kg
7G1 Arroyo Grande(568230004) - VG Brdleaf	25-Jan-22	Iodine-131	-2.23E+00	1.32E+01	8.10E+00	pCi/kg
7G1 Arroyo Grande(568943004) - VG Brdleaf	1-Feb-22	Iodine-131	4.07E+00	1.18E+01	6.74E+00	pCi/kg
7G1 Arroyo Grande(572315003) - VG Brdleaf	8-Mar-22	Iodine-131	5.65E-01	1.29E+01	7.74E+00	pCi/kg
7G1 Arroyo Grande(576102004) - VG Brdleaf	11-Apr-22	Iodine-131	-8.19E+00	1.56E+01	1.06E+01	pCi/kg
7G1 Arroyo Grande(578405003) - VG Brdleaf	3-May-22	Iodine-131	2.13E+00	1.18E+01	7.18E+00	pCi/kg
7G1 Arroyo Grande(582796002) - VG Brdleaf	14-Jun-22	Iodine-131	-3.12E-01	1.26E+01	7.40E+00	pCi/kg
7G1 Arroyo Grande(584818006) - VG Brdleaf	12-Jul-22	Iodine-131	-2.57E+00	7.20E+00	4.53E+00	pCi/kg
7G1 Arroyo Grande(590539004) - VG Brdleaf	23-Aug-22	Iodine-131	9.48E+00	1.32E+01	8.82E+00	pCi/kg
7G1 Arroyo Grande(592705002) - VG Brdleaf	12-Sep-22	Iodine-131	-4.42E+00	1.92E+01	1.15E+01	pCi/kg
7G1 Arroyo Grande(596163007) - VG Brdleaf	11-Oct-22	Iodine-131	-2.64E-01	1.12E+01	6.44E+00	pCi/kg
7G1 Arroyo Grande(598815006) - VG Brdleaf	1-Nov-22	Iodine-131	6.50E+00	1.06E+01	6.73E+00	pCi/kg
7G1 Arroyo Grande(603776002) - VG Brdleaf	12-Dec-22	Iodine-131	8.57E+00	3.20E+01	1.84E+01	pCi/kg

Attachment 3 - Cross Check Program

The following section contains the 2022 Annual Quality Assurance Report for the radiological environmental monitoring program. The report is compiled and provided by GEL Laboratories, LLC. Any intra-laboratory data for bias and precision that do not meet the criteria stated in the following (along with associated samples) are re-prepared and re-analyzed prior to sending the approved data to DCPP. All reported data meet these requirements.

The following report has its own pagination which can be found in the lower left corner. The pagination of this document will continue in the upper left corner.

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2022 ANNUAL QUALITY ASSURANCE REPORT

FOR THE

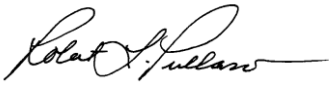
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)

2022 ANNUAL QUALITY ASSURANCE REPORT

FOR THE

RADIOLOGICAL ENVIRONMENTAL

MONITORING PROGRAM (REMP)

Approved By  March 28, 2023

Robert L. Pullano
Director, Quality Systems

Date

Revision 2 for transcription and clarification

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2022 ANNUAL QUALITY ASSURANCE REPORT FOR THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)

1. Introduction

GEL Laboratories, LLC (GEL) is a privately owned environmental laboratory dedicated to providing personalized client services of the highest quality. GEL was established as an analytical testing laboratory in 1981. Now a full service lab, our analytical divisions use state of the art equipment and methods to provide a comprehensive array of organic, inorganic, and radiochemical analyses to meet the needs of our clients.

At GEL, quality is emphasized at every level of personnel throughout the company. Management's ongoing commitment to good professional practice and to the quality of our testing services to our customers is demonstrated by their dedication of personnel and resources to develop, implement, assess, and improve our technical and management operations.

The purpose of GEL's quality assurance program is to establish policies, procedures, and processes to meet or exceed the expectations of our clients. To achieve this, all personnel that support these services to our clients are introduced to the program and policies during their initial orientation, and annually thereafter during company-wide training sessions.

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

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

This report entails the quality assurance program for the proficiency testing and environmental monitoring aspects of GEL for 2022 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 report covers the category of Radiological Environmental Monitoring Program (REMP) and includes:

- Intra-laboratory QC results analyzed during 2022.
- Inter-laboratory QC results analyzed during 2022 where known values are available.

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

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

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

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

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

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

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

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

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

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

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

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

the PT provider, samples are managed and analyzed in the same manner as environmental samples from GEL's clients.

3. 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 supplies 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
- DOECAP, U.S. Department of Energy Consolidated Audit Program
- DOELAP, U.S. Department of Energy Laboratory Accreditation Program
- DOE QSAS, U.S. Department of Energy, Quality Systems for Analytical Services
- ISO/IEC 17025:2017
- 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 (22-RAD-001) was conducted in August and September, 2022. There were no findings or observations and four recommendations for improvements from this assessment.

4. 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.

5. Performance Evaluation Samples

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

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

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

6. 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 sample 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 most radiochemical analyses is 75 - 125%. Specific instructions for out-of-control situations are provided in the applicable analytical SOP.

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

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

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

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

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

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

7. Summary of Data Results

During 2022, forty-five (45) radioisotopes associated with seven (7) matrix types were analyzed under GEL's Performance Evaluation program in participation with ERA, MAPEP, and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2022. Of the four hundred sixty-four (464) total results, 97.8% (454 of 464) 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
- Liquid
- Vegetation

Graphs are provided in Figures 1-9 of this report to allow for the evaluation of trends or biases. These graphs include radioisotopes Cobalt-60, Cesium-137, Tritium, Strontium-90, Gross Alpha, Gross Beta, Iodine-131, Americium-241, and Plutonium-238.

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

Eckert & Ziegler Analytics provided samples for one hundred nineteen (113) individual environmental analyses. The accuracy of each result reported to Eckert & Ziegler Analytics, Inc. is measured by the ratio of GEL's result to the known value. All results fell within GEL's acceptance criteria (100% within acceptance).

9. Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 46 and 47 were analyzed by the laboratory. Of the one hundred thirty-seven (137) analyses reported, 96.4% (132 out of 137) fell within the PT provider's acceptance criteria.

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10. Summary of Participation in the ERA MRaD PT Program

The ERA MRad program provided samples (MRAD-36 and MRAD-37) for one hundred sixty-three (163) individual environmental analyses reported. Of the 171 analyses reported, 98.8% (161 of the 163) fell within the PT provider's acceptance criteria.

11. Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-128, RAD-129 and RAD-130) for forty-seven (47) individual environmental analyses. Of the 47 analyses, 93.6% fell within the PT provider's acceptance criteria.

All corrective actions for unacceptable PTs are summarized in Table 8.

12. 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 SOP. The other is formal corrective action documented by the Quality Systems Team in accordance with 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 GL-QS-E-002 for Conducting Corrective/Preventive Action and Identifying Opportunities for Improvement. Recording and documentation is performed following guidelines stated in 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 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 8 provides the status of CARRs for radiological performance testing during 2022. **It has been determined that causes of the unacceptable results did not impact any data reported to our clients.**

13. References

1. GEL Quality Assurance Plan, GL-QS-B-001
2. GEL Standard Operating Procedure for the Conduct of Quality Audits, GL-QS-E-001
3. GEL Standard Operating Procedure for Conducting Corrective/Preventive Action and Identifying Opportunities for Improvement, GL-QS-E-002
4. GEL Standard Operating Procedure for AlphaLIMS Documentation of Nonconformance Reporting and Dispositioning and Control of Nonconforming Items, GL-QS-E-004
5. GEL Standard Operating Procedure for Handling Proficiency Evaluation Samples, GL-QS-E-013
6. GEL Standard Operating Procedure for Quality Assurance Measurement Calculations and Processes, GL-QS-E-014
7. 40 CFR Part 136 Guidelines Establishing Test Procedures for the Analysis of Pollutants
8. ISO/IEC 17025-2017, General Requirements for the Competence of Testing and Calibration Laboratories
9. ANSI/ASQC E4-1994, Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs, American National Standard
10. 2016 TNI Standard, The NELAC Institute, National Environmental Accreditation Program
11. MARLAP, Multi-Agency Radiological Laboratory Analytical Protocols
12. 10 CFR Part 21, Reporting of Defects and Noncompliance
13. 10 CFR Part 50 Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants
14. 10 CFR Part 61, Licensing Requirements for Land Disposal and Radioactive Waste
15. NRC REG Guide 4.15 and NRC REG Guide 4.8

TABLE 1

2022 RADIOLOGICAL PROFICIENCY TESTING RESULTS AND ACCEPTANCE CRITERIA

PT Provider	Quarter / Year	Report Closing / Received Date	Sample Number	Sample Media	Units	Analyte	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Barium-133	65.2	63	52.4 - 69.4	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Cesium-134	81.9	84.9	69.6 - 93.4	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Cesium-137	29.5	29.3	25.2 - 35.3	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Cobalt-60	112	102	91.8 - 114	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Zinc-65	345	312	281 - 364	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Gross Alpha	32.1	32.5	16.6 - 42.1	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Gross Alpha	32.2	32.5	16.6 - 42.1	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Gross Beta	63.8	68.3	47.4 - 75.1	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Radium-226	12.6	9.53	7.14 - 11.1	**Not Acceptable**
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Radium-228	11.5	8.71	5.59 - 11.0	**Not Acceptable**
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Uranium (Nat)	66.3	69	56.4 - 75.9	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	µg/L	Uranium (mass)	109.74	101	82.5 - 111	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	µg/L	Uranium (mass)	109.74	101	82.5 - 111	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	µg/L	Uranium (mass)	109.74	101	82.5 - 111	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Tritium	21500	22200	19500 - 24400	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Tritium	21200	22200	19500 - 24400	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-89	72.8	65	52.7 - 73.0	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-89	77.7	65	52.7 - 73.0	**Not Acceptable**
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-90	43.7	40.8	30.0 - 46.9	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-90	42.6	40.8	30.0 - 46.9	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Iodine-131	18.8	21.1	17.5 - 25.3	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Iodine-131	23.7	21.1	17.5 - 25.3	Acceptable
ERA	2nd/2021	5/25/2021	RAD 125	Water	pCi/L	Radium-226	14.2	19.3	14.3 - 22.0	Acceptable
ERA	2nd/2021	5/25/2021	RAD 125	Water	pCi/L	Radium-228	9.98	10.3	6.71 - 12.8	Acceptable
ERA	2nd/2021	5/25/2021	RAD 125	Water	pCi/L	Strontium-89	59.3	63.5	51.4 - 71.5	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Actinium-228	1710	1670	1100 - 2100	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Bismuth-212	2130	1840	527 - 2740	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Bismuth-214	888	790	379 - 1180	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-134	6470	6620	4530 - 7910	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-134	6470	6620	4530 - 7910	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-137	7680	6760	5110 - 8550	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cobalt-60	3110	2820	2220 - 3480	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Lead-212	1880	1630	1140 - 2060	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Lead-214	1090	838	352 - 1320	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Manganese-54	<24.3	<555	<555	Acceptable
ERA	2nd/202	5/27/202	MRAD-36	Soil	pCi/kg	Plutonium-238	260	289	144 - 439	Acceptable

	2	2								
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Plutonium-239	1290	1180	643 - 1700	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Potassium-40	40500	37900	26100 - 45300	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Strontium-90	7090	6720	2090 - 10500	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Thorium-234	4900	3390	1280 - 5810	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-234	3830	3410	1600 - 4470	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-234	4120	3410	1600 - 4470	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-234	3830	3410	1600 - 4470	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-238	4080	3390	1860 - 4550	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-238	4060	3390	1860 - 4550	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-Total	8170	6960	3860 - 9000	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-Total	8366	6960	3860 - 9000	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-Total	8170	6960	3860 - 9000	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	µg/kg	Uranium (mass)	12300	10100	4560 - 13600	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Zinc-65	6450	5070	4050 - 6920	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Americium-241	1670	1850	1140 - 2610	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-134	1900	2450	1630 - 3260	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Cesium-137	1330	1460	1120 - 1970	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Cesium-137	1330	1460	1120 - 1970	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Cobalt-60	822	902	708 - 1180	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Curium-244	1270	1530	863 - 1900	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Manganese-54	<25.2	<207	<207	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Plutonium-238	3470	3640	2520 - 4690	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Plutonium-239	3400	3540	2450 - 4480	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Potassium-40	32400	33300	25000 - 42200	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Strontium-90	5170	4340	2450 - 5660	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Uranium-234	3750	3980	2800 - 5080	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Uranium-238	3850	3940	2780 - 4930	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Uranium-Total	7800	8110	5180 - 10900	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	µg/kg	Uranium (mass)	11500	11800	9060 - 14600	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Zinc-65	564	545	407 - 808	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Americium-241	22.6	21	15.0 - 28.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Cesium-134	497	549	356 - 673	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Cesium-137	1320	1320	1080 - 1730	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Cobalt-60	905	885	752 - 1120	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Iron-55	110	127	46.4 - 203	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Manganese-54	<4.39	<35.0	<35.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Plutonium-238	27.1	29.6	22.3 - 36.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Plutonium-239	44.5	49.7	37.2 - 60.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Strontium-90	38	31.1	19.7 - 42.3	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-234	59.1	67.3	49.9 - 78.9	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-234	62.3	67.3	49.9 - 78.9	Acceptable

ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-238	61.5	66.7	50.4 - 79.6	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-238	63.6	66.7	50.4 - 79.6	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-Total	124	137	100 - 162	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-Total	128.9	137	100 - 162	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	µg/Filter	Uranium (mass)	184	200	160 - 234	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	µg/Filter	Uranium (mass)	190	200	160 - 234	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Zinc-65	730	671	550 - 1030	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Zinc-65	730	671	550 - 1030	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Gross Alpha	98.4	94.2	49.2 - 155	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Gross Beta	71.5	66.8	40.5 - 101	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Americium-241	65	74.6	51.2 - 95.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-134	1620	1720	1300 - 1890	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-134	1620	1720	1300 - 1890	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-134	1620	1720	1300 - 1890	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-137	1130	1120	959 - 1270	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-137	1130	1120	959 - 1270	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-137	1130	1120	959 - 1270	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cobalt-60	2880	2710	2340 - 3110	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Iron-55	1270	1140	670 - 1660	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Manganese-54	<8.37	<71.0	<71.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Plutonium-238	116	147	88.4 - 190	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Plutonium-239	56	71.9	44.5 - 88.6	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Strontium-90	639	628	452 - 776	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-234	41.2	44.1	33.6 - 50.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-234	44	44.1	33.6 - 50.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-238	44.7	43.7	33.9 - 51.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-238	43.5	43.7	33.9 - 51.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-Total	88.9	89.8	70.0 - 102	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-Total	89.5	89.8	70.0 - 102	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	µg/L	Uranium (mass)	134	131	106 - 149	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	µg/L	Uranium (mass)	130	131	106 - 149	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Zinc-65	1320	1220	1090 - 1540	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Gross Alpha	74.5	79.4	29.0 - 109	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Tritium	28000	28200	21300 - 34300	Acceptable
ERA	2nd/2022	5/23/2022	RAD -129	Water	pCi/L	Radium-226	8.15	9.46	7.09 - 11.1	Acceptable
ERA	2nd/2022	5/23/2022	RAD -129	Water	pCi/L	Radium-228	3.06	3.18	1.71 - 4.63	Acceptable
ERA	2nd/2022	5/23/2022	RAD -129	Water	pCi/L	Strontium-89	67.6	67.9	55.3 - 76.1	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Barium-133	40.1	38.2	30.9 - 42.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cesium-134	84.7	88.6	72.7 - 97.5	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cesium-137	177	170	153 - 189	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cesium-137	177	170	153 - 189	Acceptable
ERA	3rd	08/29/22	RAD-130	Water	pCi/L	Cobalt-60	79	72.4	65.2 - 82.1	Acceptable

	/2022									
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Zinc-65	363	326	293 - 380	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Gross Alpha	54.3	60.2	31.5 - 74.8	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Gross Alpha	58.8	60.2	31.5 - 74.8	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Gross Alpha	58.8	60.2	31.5 - 74.8	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Gross Beta	22.5	17.7	10.1 - 25.9	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Gross Beta	22.5	17.7	10.1 - 25.9	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Radium-226	12.1	13.1	9.77 - 15.1	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Radium-228	8.05	8.4	5.38 - 10.6	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Radium-228	7.91	8.4	5.38 - 10.6	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Uranium (Nat)	53.6	54	44.0 - 59.5	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	µg/L	Uranium (mass)	74.525	78.8	64.2 - 86.8	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Tritium	20200	22100	19400 - 24300	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Strontium-89	48.4	49.6	39.0 - 57.0	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Strontium-89	47.4	49.6	39.0 - 57.0	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Strontium-90	12.8	11.2	7.62 - 13.8	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Strontium-90	11.9	11.2	7.62 - 13.8	Acceptable
ERA	3rd /2022	08/29/22	RAD-130	Water	pCi/L	Iodine-131	28.9	27.7	23.0 - 32.5	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Actinium-228	1550	1670	1100 - 2100	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Americium-241	187	147	79.4 - 208	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Bismuth-212	1460	1670	478 - 2490	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Bismuth-214	592	790	379 - 1180	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Bismuth-214	592	790	379 - 1180	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Cesium-134	8710	9600	6560 - 11500	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Cesium-137	8080	7890	5970 - 9980	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Cobalt-60	1490	1500	1180 - 1850	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Lead-212	1820	1630	1140 - 2060	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Lead-214	735	838	352 - 1320	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Manganese-54	<32.1	<555	<555	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Plutonium-238	1100	1100	549 - 1670	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Plutonium-239	948	967	527 - 1390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Potassium-40	41300	43100	29700 - 51500	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Strontium-90	5310	6270	1950 - 9770	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Thorium-234	3920	3320	1250 - 5690	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-234	3410	3350	1570 - 4390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-234	3640	3350	1570 - 4390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-238	3880	3320	1820 - 4460	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-Total	7520	6830	3790 - 8830	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	µg/kg	Uranium (mass)	11600	9960	4490 - 13400	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Zinc-65	4300	3990	3190 - 5440	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Americium-241	3650	3560	2200 - 5030	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Cesium-134	1820	1860	1230 - 2480	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Cesium-137	2560	2300	1770 - 3100	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Cobalt-60	528	496	389 - 648	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Curium-244	957	1100	620 - 1370	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Manganese-54	<27.4	<207	<207	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Plutonium-238	1320	1300	900 - 1680	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Plutonium-239	1190	1170	809 - 1480	Acceptable

ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Strontium-90	4560	2960	1670 - 3860	**Not Acceptable**
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Uranium-234	1090	1090	766 - 1390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Uranium-238	1100	1080	763 - 1350	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Uranium-Total	2230	2220	1420 - 2990	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	µg/kg	Uranium (mass)	3300	3240	2490 - 4010	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Zinc-65	665	512	382 - 759	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Americium-241	41.2	38.8	27.7 - 51.7	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Cesium-134	286	325	211 - 399	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Cesium-137	739	795	653 - 1040	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Cobalt-60	203	191	162 - 243	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Iron-55	107	122	44.5 - 195	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Manganese-54	<2.38	<35.0	<35.0	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Plutonium-238	29.9	29.9	22.6 - 36.7	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Plutonium-239	12.1	13	9.73 - 15.7	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Strontium-90	130	133	84.1 - 181	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-234	68.1	71.5	53.0 - 83.8	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-234	69.9	71.5	53.0 - 83.8	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-238	70.1	70.9	53.5 - 84.6	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-238	72.3	70.9	53.5 - 84.6	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-Total	141	146	107 - 173	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-Total	142.2	146	107 - 173	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	µg/Filter	Uranium (mass)	210	212	170 - 248	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	µg/Filter	Uranium (mass)	216	212	170 - 248	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Zinc-65	133	120	98.4 - 183	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Gross Alpha	57.8	55.5	29.0 - 91.4	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Gross Beta	68.2	64.8	39.3 - 97.9	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Americium-241	100	96.2	66.0 - 123	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Cesium-134	452	483	365 - 531	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Cesium-137	1220	1250	1070 - 1420	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Cobalt-60	1500	1420	1220 - 1630	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Iron-55	867	926	544 - 1350	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Manganese-54	<5.46	<71.0	<71.0	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Plutonium-238	44.5	52.6	31.6 - 68.2	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Plutonium-239	94.4	117	72.5 - 144	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Strontium-90	283	224	161 - 277	**Not Acceptable**
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-234	140	153	116 - 175	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-234	145	153	116 - 175	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-238	147	152	118 - 179	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-238	156	152	118 - 179	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-Total	296	312	243 - 356	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-Total	301	312	243 - 356	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	µg/L	Uranium (mass)	442	455	369 - 516	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	µg/L	Uranium (mass)	468	455	369 - 516	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Zinc-65	145	122	109 - 154	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Gross Alpha	46.6	42.7	15.6 - 58.9	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Gross Beta	93.6	111	55.5 - 153	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Tritium	16900	18800	14200 - 22900	Acceptable
EZA	1st/2022	05/20/22	E13655	Cartridge	pCi	Iodine-131	8.98E+01	8.72E+01	1.03	Acceptable
EZA	1st/2022	05/20/22	E13656	Milk	pCi/L	Strontium-89	9.30E+01	9.68E+01	0.96	Acceptable
EZA	1st/2022	05/20/22	E13656	Milk	pCi/L	Strontium-90	8.41E+00	1.26E+01	0.67	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cerium-141	8.31E+01	6.46E+01	1.29	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cobalt-58	1.66E+0	1.64E+02	1.04	Acceptable

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EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cobalt-60	2.96E+02	3.02E+02	0.98	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Chromium-51	3.92E+02	3.39E+02	1.16	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cesium-134	1.68E+02	1.82E+02	0.92	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cesium-137	2.41E+02	2.23E+02	1.08	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Manganese-54	1.76E+02	1.64E+02	1.07	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Iron-59	1.91E+02	1.85E+02	1.03	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Iodine-131	1.19E+02	9.67E+01	1.23	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Zinc-65	2.62E+02	2.46E+02	1.06	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cerium-141	7.12E+01	7.61E+01	0.94	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cobalt-58	2.05E+02	1.93E+02	1.06	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cobalt-60	3.79E+02	3.55E+02	1.07	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cesium-134	2.00E+02	2.14E+02	0.93	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cesium-137	2.65E+02	2.63E+02	1.01	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Iodine-131	9.35E+01	8.76E+01	1.07	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Iron-59	2.39E+02	2.18E+02	1.10	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Manganese-54	2.07E+02	1.93E+02	1.07	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Zinc-65	3.25E+02	2.90E+02	1.12	Acceptable
EZA	2nd/2022	08/24/22	E13659	Cartridge	pCi	Iodine-131	8.77E+01	8.53E+01	1.03	Acceptable
EZA	2nd/2022	08/24/22	E13660	Milk	pCi/L	Strontium-89	6.76E+01	8.72E+01	0.78	Acceptable
EZA	2nd/2022	08/24/22	E13660	Milk	pCi/L	Strontium-90	1.07E+01	1.45E+01	0.74	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cerium-141	1.68E+02	1.71E+02	0.98	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cobalt-58	1.51E+02	1.59E+02	0.95	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cobalt-60	3.04E+02	2.99E+02	1.02	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Chromium-51	4.53E+02	4.25E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cesium-134	1.92E+02	2.12E+02	0.91	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cesium-137	2.51E+02	2.52E+02	1.00	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Iron-59	2.29E+02	1.94E+02	1.18	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Iodine-131	8.45E+01	9.05E+01	0.93	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Manganese-54	2.95E+02	2.83E+02	1.04	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Zinc-65	3.90E+02	3.66E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cerium-141	1.54E+02	1.39E+02	1.11	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cobalt-58	1.38E+02	1.28E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cobalt-60	2.58E+02	2.42E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Chromium-51	3.66E+02	3.44E+02	1.06	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cesium-134	1.68E+02	1.72E+02	0.98	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cesium-137	2.12E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Iron-59	1.71E+02	1.57E+02	1.09	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Iodine-131	8.47E+01	9.12E+01	0.93	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Manganese-54	2.57E+02	2.29E+02	1.12	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Zinc-65	3.09E+02	2.96E+02	1.04	Acceptable
EZA	2nd/2022	06/16/22	E13659	Cartridge	pCi	Iodine-131	8.77E+01	8.53E+01	103	Acceptable

EZA	2nd/2022	06/16/22	E13660	Milk	pCi/L	Strontium-89	6.76E+01	8.72E+01	0.78	Acceptable
EZA	2nd/2022	06/16/22	E13660	Milk	pCi/L	Strontium-90	1.07E+01	1.45E+01	0.74	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cerium-141	1.68E+02	1.71E+02	0.98	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cobalt-58	1.51E+02	1.59E+02	0.95	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cobalt-60	3.04E+02	2.99E+02	1.02	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Chromium-51	4.53E+02	4.25E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cesium-134	1.92E+02	2.12E+02	0.91	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cesium-137	2.51E+02	2.52E+02	1.00	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Manganese-54	2.95E+02	2.83E+02	1.02	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Iron-59	2.29E+02	1.94E+02	1.18	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Iodine-131	8.45E+01	9.05E+01	0.93	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Zinc-65	3.90E+02	3.66E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cerium-141	1.54E+02	1.39E+02	1.11	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cobalt-58	1.38E+02	1.28E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cobalt-60	2.58E+02	2.42E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cesium-134	1.68E+02	1.72E+02	0.98	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cesium-137	2.12E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Iodine-131	8.47E+01	9.12E+01	0.93	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Iron-59	1.71E+02	1.57E+02	1.09	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Manganese-54	2.57E+02	2.29E+02	1.12	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Zinc-65	3.09E+02	2.96E+02	1.04	Acceptable
EZA	3rd/2022	11/22/22	E13663	Cartridge	pCi	Iodine-131	7.97E+01	8.35E+01	0.95	Acceptable
EZA	3rd/2022	11/22/22	E13664	Milk	pCi/L	Strontium-89	9.54E+01	8.91E+01	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13664	Milk	pCi/L	Strontium-90	8.87E+00	1.36E+01	0.65	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cerium-141	1.52E+02	1.61E+02	0.94	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cobalt-58	1.87E+02	1.89E+02	0.99	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cobalt-60	2.65E+02	2.60E+02	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Chromium-51	4.63E+02	4.56E+02	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cesium-134	2.31E+02	2.52E+02	0.92	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cesium-137	2.24E+02	2.22E+02	1.01	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Iron-59	1.91E+02	1.73E+02	1.10	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Iodine-131	9.28E+01	9.42E+01	0.99	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Manganese-54	2.97E+02	2.82E+02	1.05	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Zinc-65	3.98E+02	3.73E+02	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cerium-141	1.29E+02	1.26E+02	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cobalt-58	1.49E+02	1.48E+02	1.01	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cobalt-60	2.17E+02	2.04E+02	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Chromium-51	3.84E+02	3.57E+02	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cesium-134	1.84E+02	1.98E+02	0.93	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cesium-137	1.79E+02	1.74E+02	1.03	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Iron-59	1.57E+02	1.36E+02	1.16	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Iodine-131	8.96E+0	8.80E+01	1.02	Acceptable

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EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Manganese-54	2.30E+02	2.21E+02	1.04	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Zinc-65	3.42E+05	2.93E+02	1.17	Acceptable
EZA	4th/2022	2/15/23	E13667	Cartridge	pCi	Iodine-131	8.96E+01	9.18E+01	0.98	Acceptable
EZA	4th/2022	2/15/23	E13668	Milk	pCi/L	Strontium-89	9.93E+01	9.04E+01	1.10	Acceptable
EZA	4th/2022	2/15/23	E13668	Milk	pCi/L	Strontium-90	1.28E+01	1.50E+01	0.86	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cerium-141	2.32E+02	2.25E+02	1.03	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cobalt-58	2.35E+02	2.30E+02	1.02	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cobalt-60	2.85E+02	2.90E+02	0.98	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Chromium-51	4.62E+02	4.64E+02	0.99	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cesium-134	1.76E+02	1.91E+02	0.92	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cesium-137	2.16E+02	2.19E+02	0.99	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Iron-59	2.31E+02	1.98E+02	1.17	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Iodine-131	1.02E+02	9.51E+01	1.07	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Manganese-54	2.64E+02	2.52E+02	1.05	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Zinc-65	3.50E+02	3.05E+02	1.15	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cerium-141	2.33E+02	2.24E+02	1.04	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cobalt-58	2.54E+02	2.29E+02	1.07	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cobalt-60	2.97E+02	2.89E+02	1.03	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Chromium-51	5.24E+02	4.62E+02	1.13	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cesium-134	1.71E+02	1.91E+02	0.90	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cesium-137	2.17E+02	2.18E+02	1.00	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Iron-59	2.32E+02	1.97E+02	1.18	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Iodine-131	9.96E+01	9.63E+01	1.03	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Manganese-54	2.72E+02	2.51E+02	1.08	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Zinc-65	3.36E+02	3.04E+02	1.11	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrF46	Filter	Bq/smpl	Gross Alpha	0.864	1.77	0.53-3.01	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrF46	Filter	Bq/smpl	Gross Beta	0.639	0.649	0.325-0.974	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrW46	Water	Bq/L	Gross Alpha	0.782	0.87	0.26-1.48	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrW46	Water	Bq/L	Gross Beta	2.40	2.50	1.25-3.75	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Americium-241	56.2	72	50.4-93.6	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cesium-134	741	890	623-1157	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cesium-137	369	365	256-475	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cobalt-57	1450	1400	980-1820	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cobalt-60	411	443	310-576	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Iron-55	725	1100	770-1430	**Not Acceptable**
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Manganese-54	1140	1140	798-1482	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	766	780	546-1014	482-896	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Plutonium-238	54.2	56	39.2-72.8	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Plutonium-239/240	41.1	41	28.7-53.3	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Potassium-40	598	596	417-775	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Strontium-90	560	677	474-880	Acceptable

MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Technetium-99	506	778	545-1011	**Not Acceptable**
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Thorium 228	45.8	43	30-56	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Thorium 230	49	38	27-49	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Thorium 232	39.5	42	29-55	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	U-234/233	46	44	30.8-57.2	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Uranium-238	126	123	86-160	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Zinc-65	-0.659		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Americium-241	0.271	0.335	0.249-0.462	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cesium-134	-0.0355		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cesium-137	7.9	7.64	5.35-9.93	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cobalt-57	37	36	25.2-46.8	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cobalt-60	9.64	9.3	6.5-12.1	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Hydrogen-3	303	300	210-390	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Iron-55	27.1	26.9	18.8-35.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Manganese-54	19.8	18.9	13.2-24.6	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Nickel-63	31.7	34	23.8-44.2	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Plutonium-238	0.992	1.07	0.75-1.39	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Plutonium-239/240	1.07	1.19	0.83-1.55	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Potassium-40	-875		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Radium-226	0.871	0.8	0.6-1.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Strontium-90	14.9	12.9	5.5-10.3	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Technetium-99	7.89	7.9	5.5-10.3	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Uranium-234/233	1.52	1.5	1.1-2.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Uranium-238	1.55	1.54	1.08-2.00	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Zinc-65	29.3	26.2	18.3-34.1	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	ug/smpl	Uranium-235	0.0407	0.041	0.029-0.053	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	ug/smpl	Uranium-238	5.8	5.35	3.75-6.96	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	ug/smpl	Uranium-Total	5.84	5.4	3.8-7.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Americium-241	0.0392	0.0439	0.307-0.0571	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cesium-134	0.936	0.93	0.65-1.21	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cesium-137	0.759	0.726	0.0508-0.944	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cobalt-57	0		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cobalt-60	0.831	0.72	0.50-0.84	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Manganese-54	0.00527		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Plutonium-238	0.0212	0.0221	0.0155-0.0287	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Plutonium-239/240	0.0142	0.0141	0.0099-0.0183	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Strontium-90	0.5	0.54	0.38-0.70	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Uranium-234/233	0.063	0.06	0.045-0.083	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Uranium-238	0.0685	0.067	0.047-0.087	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Zinc-65	0.0755		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Americium-241	0.0892	0.101	0.071-0.131	Acceptable
MAPEP	2nd/202	06/15/22	MAPEP-22-	veg	Bq/smpl	Cesium-134	7.04	7.61	5.33-9.89	**Not Acceptable**

	2		RdV46							
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cesium-137	1.57	1.52	1.06-1.98	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cobalt-57	5.06	5.09	3.56-6.62	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cobalt-60	-0.077		2.09-3.89	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Manganese-54	2.7	2.59	1.81-3.37	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Plutonium-238	0.267	0.27	0.019-0.035	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Plutonium-239/240	0.625	0.0594	0.0416-0.0772	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Strontium-90	1.12	0.789	0.552-1.026	**Not Acceptable**
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Uranium-234/233	0.0763	0.071	0.050-0.092	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Uranium-238	0.0746	0.074	0.052-0.096	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Zinc-65	1.53	1.47	1.03-1.91	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrF47	Filter	Bq/sample	Gross Alpha	0.378	0.90	0.27-1.53	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrF47	Filter	Bq/sample	Gross Beta	1.25	1.31	0.66-1.97	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrW47	Water	Bq/L	Gross Alpha	0.978	0.871	0.261-1.481	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrW47	Water	Bq/L	Gross Beta	4.57	5.20	2.60-7.80	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Americium-241	96.8	99.2	69.4-129.0	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cesium-134	564	627	439-815	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cesium-137	0.284		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cobalt-57	856	786	550-1022	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cobalt-60	0.429		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Iron-55	628	740	518-962	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Manganese-54	888	841	589-1093	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Nickel-63	20.0		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Plutonium-238	0.285	0.56	Sens. Evaluation	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Plutonium-239/240	110	113	79-147	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Plutonium-241	22.7	26.8	Sens. Evaluation	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Potassium-40	561	537	376-698	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Strontium-90	842	852	596-1108	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Thorium-228	55	49	34-64	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Thorium-230	49.6	43	30-56	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Thorium-232	51	47	33-61	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Technetium-99	979	1000	700-1300	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	U-234/233	88.9	50.8	35.6-66.0	**Not Acceptable**
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Uranium-238	196	157	110-204	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Zinc-65	1240	1140	798-1482	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Americium-241	0.414	0.327	0.229-0.425	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cesium-134	15.9	17.1	12.0-22.2	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cesium-137	17.80	16.8	11.8-21.8	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cobalt-57	30.4	30.0	21.0-39.0	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cobalt-60	17.8	17.0	11.9-22.1	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Hydrogen-3	350	395	277-514	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Iron-55	22.9	27.8	19.5-36.1	Acceptable

MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Manganese-54	-0.0317		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Nickel-63	35.7	32.9	23.0-42.8	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Plutonium-238	0.881	0.985	0.690-1.281	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Plutonium-239/240	0.943	1.070	0.749-1.391	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Potassium-40	-0.850		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Radium-226	0.471	0.511	0.358-0.664	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Strontium-90	7.49	7.73	5.41-10.05	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Technetium-99	-0.206		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Uranium-234/233	1.3100	1.3400	0.96-1.78	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Uranium-238	0.851	0.84	0.59-1.09	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Zinc-65	12.6	11.3	7.9-14.7	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	ug/sample	Uranium-235	0.0803	0.0743	0550-0.0966	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	ug/sample	Uranium-238	11.6	10.4	7.3-13.5	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	ug/sample	Uranium-Total	11.680	10.5	7.4-13.7	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Americium-241	0.0953	0.0899	0.0629-0.1169	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cesium-134	0.0435		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cesium-137	1.66	1.530	1.07-1.99	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cobalt-57	3.32	3.32	2.32-4.32	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cobalt-60	2.00	1.99	1.39-2.59	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Manganese-54	1.97	1.88	1.32-2.44	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Plutonium-238	0.1110	0.1160	0.081-0.151	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Plutonium-239/240	0.0854	0.0936	0.0655-0.1217	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Strontium-90	1.580	1.620	1.13-2.11	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Uranium-234/233	0.132	0.125	0.088-0.163	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Uranium-238	0.14	0.130	0.091-0.169	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Zinc-65	1.77	1.58	1.11-2.05	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Americium-241	0.1890	0.1890	0.132-0.246	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cesium-134	-0.002		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cesium-137	1.18	1.083	0.758-1.408	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cobalt-57	0.0163		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cobalt-60	4.84	4.62	3.23-6.01	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Manganese-54	2.42	2.43	1.70-3.16	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Plutonium-238	0.1490	0.156	0.109-0.203	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Plutonium-239/240	0.14900	1.162	0.113-0.211	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Strontium-90	1.78	1.60	1.12-208	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Uranium-234/233	0.1330	0.1260	0.088-0.164	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Uranium-238	0.135	0.130	0.091-0.169	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Zinc-65	8.21	7.49	5.24-9.74	Acceptable

TABLE 2
2022 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS

PT Provider	Quarter / Year	Report Closing / Received Date	Sample Number	Sample Media	Units	Analyte	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation
EZA	1st/2022	05/20/22	E13655	Cartridge	pCi	Iodine-131	8.98E+01	8.72E+01	1.03	Acceptable
EZA	1st/2022	05/20/22	E13656	Milk	pCi/L	Strontium-89	9.30E+01	9.68E+01	0.96	Acceptable
EZA	1st/2022	05/20/22	E13656	Milk	pCi/L	Strontium-90	8.41E+00	1.26E+01	0.67	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cerium-141	8.31E+01	6.46E+01	1.29	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cobalt-58	1.66E+02	1.64E+02	1.04	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cobalt-60	2.96E+02	3.02E+02	0.98	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Chromium-51	3.92E+02	3.39E+02	1.16	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cesium-134	1.68E+02	1.82E+02	0.92	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Cesium-137	2.41E+02	2.23E+02	1.08	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Manganese-54	1.76E+02	1.64E+02	1.07	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Iron-59	1.91E+02	1.85E+02	1.03	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Iodine-131	1.19E+02	9.67E+01	1.23	Acceptable
EZA	1st/2022	05/20/22	E13657	Milk	pCi/L	Zinc-65	2.62E+02	2.46E+02	1.06	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cerium-141	7.12E+01	7.61E+01	0.94	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cobalt-58	2.05E+02	1.93E+02	1.06	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cobalt-60	3.79E+02	3.55E+02	1.07	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cesium-134	2.00E+02	2.14E+02	0.93	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Cesium-137	2.65E+02	2.63E+02	1.01	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Iodine-131	9.35E+01	8.76E+01	1.07	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Iron-59	2.39E+02	2.18E+02	1.10	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Manganese-54	2.07E+02	1.93E+02	1.07	Acceptable
EZA	1st/2022	05/20/22	E13658	Water	pCi/L	Zinc-65	3.25E+02	2.90E+02	1.12	Acceptable
EZA	2nd/2022	06/16/22	E13659	Cartridge	pCi	Iodine-131	8.77E+01	8.53E+01	103	Acceptable
EZA	2nd/2022	06/16/22	E13660	Milk	pCi/L	Strontium-89	6.76E+01	8.72E+01	0.78	Acceptable
EZA	2nd/2022	06/16/22	E13660	Milk	pCi/L	Strontium-90	1.07E+01	1.45E+01	0.74	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cerium-141	1.68E+02	1.71E+02	0.98	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cobalt-58	1.51E+02	1.59E+02	0.95	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cobalt-60	3.04E+02	2.99E+02	1.02	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Chromium-51	4.53E+02	4.25E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cesium-134	1.92E+02	2.12E+02	0.91	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Cesium-137	2.51E+02	2.52E+02	1.00	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Manganese-54	2.95E+02	2.83E+02	1.02	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Iron-59	2.29E+02	1.94E+02	1.18	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Iodine-131	8.45E+01	9.05E+01	0.93	Acceptable
EZA	2nd/2022	06/16/22	E13661	Milk	pCi/L	Zinc-65	3.90E+02	3.66E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cerium-141	1.54E+02	1.39E+02	1.11	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cobalt-58	1.38E+02	1.28E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cobalt-60	2.58E+02	2.42E+02	1.07	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cesium-134	1.68E+02	1.72E+02	0.98	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Cesium-137	2.12E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Iodine-131	8.47E+01	9.12E+01	0.93	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Iron-59	1.71E+02	1.57E+02	1.09	Acceptable
EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Manganese-54	2.57E+02	2.29E+02	1.12	Acceptable

EZA	2nd/2022	06/16/22	E13662	Water	pCi/L	Zinc-65	3.09E+02	2.96E+02	1.04	Acceptable
EZA	2nd/2022	08/24/22	E13659	Cartridge	pCi	Iodine-131	8.77E+01	8.53E+01	1.03	Acceptable
EZA	2nd/2022	08/24/22	E13660	Milk	pCi/L	Strontium-89	6.76E+01	8.72E+01	0.78	Acceptable
EZA	2nd/2022	08/24/22	E13660	Milk	pCi/L	Strontium-90	1.07E+01	1.45E+01	0.74	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cerium-141	1.68E+02	1.71E+02	0.98	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cobalt-58	1.51E+02	1.59E+02	0.95	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cobalt-60	3.04E+02	2.99E+02	1.02	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Chromium-51	4.53E+02	4.25E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cesium-134	1.92E+02	2.12E+02	0.91	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Cesium-137	2.51E+02	2.52E+02	1.00	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Iron-59	2.29E+02	1.94E+02	1.18	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Iodine-131	8.45E+01	9.05E+01	0.93	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Manganese-54	2.95E+02	2.83E+02	1.04	Acceptable
EZA	2nd/2022	08/24/22	E13361	Milk	pCi/L	Zinc-65	3.90E+02	3.66E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cerium-141	1.54E+02	1.39E+02	1.11	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cobalt-58	1.38E+02	1.28E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cobalt-60	2.58E+02	2.42E+02	1.07	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Chromium-51	3.66E+02	3.44E+02	1.06	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cesium-134	1.68E+02	1.72E+02	0.98	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Cesium-137	2.12E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Iron-59	1.71E+02	1.57E+02	1.09	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Iodine-131	8.47E+01	9.12E+01	0.93	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Manganese-54	2.57E+02	2.29E+02	1.12	Acceptable
EZA	2nd/2022	08/24/22	E13662	Water	pCi/L	Zinc-65	3.09E+02	2.96E+02	1.04	Acceptable
EZA	3rd/2022	11/22/22	E13663	Cartridge	pCi	Iodine-131	7.97E+01	8.35E+01	0.95	Acceptable
EZA	3rd/2022	11/22/22	E13664	Milk	pCi/L	Strontium-89	9.54E+01	8.91E+01	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13664	Milk	pCi/L	Strontium-90	8.87E+00	1.36E+01	0.65	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cerium-141	1.52E+02	1.61E+02	0.94	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cobalt-58	1.87E+02	1.89E+02	0.99	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cobalt-60	2.65E+02	2.60E+02	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Chromium-51	4.63E+02	4.56E+02	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cesium-134	2.31E+02	2.52E+02	0.92	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Cesium-137	2.24E+02	2.22E+02	1.01	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Iron-59	1.91E+02	1.73E+02	1.10	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Iodine-131	9.28E+01	9.42E+01	0.99	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Manganese-54	2.97E+02	2.82E+02	1.05	Acceptable
EZA	3rd/2022	11/22/22	E13665	Milk	pCi/L	Zinc-65	3.98E+02	3.73E+02	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cerium-141	1.29E+02	1.26E+02	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cobalt-58	1.49E+02	1.48E+02	1.01	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cobalt-60	2.17E+02	2.04E+02	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Chromium-51	3.84E+02	3.57E+02	1.07	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cesium-134	1.84E+02	1.98E+02	0.93	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Cesium-137	1.79E+02	1.74E+02	1.03	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Iron-59	1.57E+02	1.36E+02	1.16	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Iodine-131	8.96E+01	8.80E+01	1.02	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Manganese-54	2.30E+02	2.21E+02	1.04	Acceptable
EZA	3rd/2022	11/22/22	E13666	Water	pCi/L	Zinc-65	3.42E+05	2.93E+02	1.17	Acceptable
EZA	4th/2022	2/15/23	E13667	Cartridge	pCi	Iodine-131	8.96E+01	9.18E+01	0.98	Acceptable
EZA	4th/2022	2/15/23	E13668	Milk	pCi/L	Strontium-89	9.93E+01	9.04E+01	1.10	Acceptable
EZA	4th/2022	2/15/23	E13668	Milk	pCi/L	Strontium-90	1.28E+01	1.50E+01	0.86	Acceptable

EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cerium-141	2.32E+02	2.25E+02	1.03	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cobalt-58	2.35E+02	2.30E+02	1.02	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cobalt-60	2.85E+02	2.90E+02	0.98	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Chromium-51	4.62E+02	4.64E+02	0.99	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cesium-134	1.76E+02	1.91E+02	0.92	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Cesium-137	2.16E+02	2.19E+02	0.99	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Iron-59	2.31E+02	1.98E+02	1.17	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Iodine-131	1.02E+02	9.51E+01	1.07	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Manganese-54	2.64E+02	2.52E+02	1.05	Acceptable
EZA	4th/2022	2/15/23	E13669	Milk	pCi/L	Zinc-65	3.50E+02	3.05E+02	1.15	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cerium-141	2.33E+02	2.24E+02	1.04	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cobalt-58	2.54E+02	2.29E+02	1.07	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cobalt-60	2.97E+02	2.89E+02	1.03	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Chromium-51	5.24E+02	4.62E+02	1.13	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cesium-134	1.71E+02	1.91E+02	0.90	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Cesium-137	2.17E+02	2.18E+02	1.00	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Iron-59	2.32E+02	1.97E+02	1.18	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Iodine-131	9.96E+01	9.63E+01	1.03	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Manganese-54	2.72E+02	2.51E+02	1.08	Acceptable
EZA	4th/2022	2/15/23	E13670	Water	pCi/L	Zinc-65	3.36E+02	3.04E+02	1.11	Acceptable

TABLE 3

2022 DEPARTMENT OF ENERGY MIXED ANALYTE PERFORMANCE EVALUATION PROGRAM (MAPEP) RESULTS

PT Provider	Quarter / Year	Report Closing / Received Date	Sample Number	Sample Media	Units	Analyte	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrF46	Filter	Bq/smpl	Gross Alpha	0.864	1.77	0.53-3.01	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrF46	Filter	Bq/smpl	Gross Beta	0.639	0.649	0.325-0.974	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrW46	Water	Bq/L	Gross Alpha	0.782	0.87	0.26-1.48	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-GrW46	Water	Bq/L	Gross Beta	2.40	2.50	1.25-3.75	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Americium-241	56.2	72	50.4-93.6	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cesium-134	741	890	623-1157	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cesium-137	369	365	256-475	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cobalt-57	1450	1400	980-1820	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Cobalt-60	411	443	310-576	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Iron-55	725	1100	770-1430	**Not Acceptable**
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Manganese-54	1140	1140	798-1482	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	766	780	546-1014	482-896	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Plutonium-238	54.2	56	39.2-72.8	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Plutonium-239/240	41.1	41	28.7-53.3	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Potassium-40	598	596	417-775	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Strontium-90	560	677	474-880	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Technetium-99	506	778	545-1011	Not Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Thorium 228	45.8	43	30-56	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Thorium 230	49	38	27-49	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Thorium 232	39.5	42	29-55	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	U-234/233	46	44	30.8-57.2	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Uranium-238	126	123	86-160	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaS46	Soil	Bq/Kg	Zinc-65	-0.659		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Americium-241	0.271	0.335	0.249-0.462	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cesium-134	-0.0355		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cesium-137	7.9	7.64	5.35-9.93	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cobalt-57	37	36	25.2-46.8	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Cobalt-60	9.64	9.3	6.5-12.1	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Hydrogen-3	303	300	210-390	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Iron-55	27.1	26.9	18.8-35.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Manganese-54	19.8	18.9	13.2-24.6	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Nickel-63	31.7	34	23.8-44.2	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Plutonium-238	0.992	1.07	0.75-1.39	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Plutonium-239/240	1.07	1.19	0.83-1.55	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Potassium-40	-875		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Radium-226	0.871	0.8	0.6-1.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Strontium-90	14.9	12.9	5.5-10.3	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Technetium-99	7.89	7.9	5.5-10.3	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Uranium-234/233	1.52	1.5	1.1-2.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Uranium-238	1.55	1.54	1.08-2.00	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-MaW46	Water	Bq/L	Zinc-65	29.3	26.2	18.3-34.1	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	ug/smpl	Uranium-235	0.0407	0.041	0.029-0.053	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	ug/smpl	Uranium-238	5.8	5.35	3.75-6.96	Acceptable

MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	ug/smpl	Uranium-Total	5.84	5.4	3.8-7.0	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Americium-241	0.0392	0.0439	0.307-0.0571	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cesium-134	0.936	0.93	0.65-1.21	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cesium-137	0.759	0.726	0.0508-0.944	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cobalt-57	0		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Cobalt-60	0.831	0.72	0.50-0.84	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Manganese-54	0.00527		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Plutonium-238	0.0212	0.0221	0.0155-0.0287	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Plutonium-239/240	0.0142	0.0141	0.0099-0.0183	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Strontium-90	0.5	0.54	0.38-0.70	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Uranium-234/233	0.063	0.06	0.045-0.083	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Uranium-238	0.0685	0.067	0.047-0.087	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdF46	Filter	Bq/smpl	Zinc-65	0.0755		False pos. test	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Americium-241	0.0892	0.101	0.071-0.131	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cesium-134	7.04	7.61	5.33-9.89	Not Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cesium-137	1.57	1.52	1.06-1.98	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cobalt-57	5.06	5.09	3.56-6.62	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Cobalt-60	-0.077		2.09-3.89	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Manganese-54	2.7	2.59	1.81-3.37	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Plutonium-238	0.267	0.27	0.019-0.035	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Plutonium-239/240	0.625	0.0594	0.0416-0.0772	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Strontium-90	1.12	0.789	0.552-1.026	**Not Acceptable**
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Uranium-234/233	0.0763	0.071	0.050-0.092	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Uranium-238	0.0746	0.074	0.052-0.096	Acceptable
MAPEP	2nd/2022	06/15/22	MAPEP-22-RdV46	veg	Bq/smpl	Zinc-65	1.53	1.47	1.03-1.91	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrF47	Filter	Bq/sample	Gross Alpha	0.378	0.90	0.27-1.53	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrF47	Filter	Bq/sample	Gross Beta	1.25	1.31	0.66-1.97	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrW47	Water	Bq/L	Gross Alpha	0.978	0.871	0.261-1.481	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-GrW47	Water	Bq/L	Gross Beta	4.57	5.20	2.60-7.80	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Americium-241	96.8	99.2	69.4-129.0	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cesium-134	564	627	439-815	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cesium-137	0.284		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cobalt-57	856	786	550-1022	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Cobalt-60	0.429		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Iron-55	628	740	518-962	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Manganese-54	888	841	589-1093	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Nickel-63	20.0		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Plutonium-238	0.285	0.56	Sens. Evaluation	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Plutonium-239/240	110	113	79-147	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Plutonium-241	22.7	26.8	Sens. Evaluation	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Potassium-40	561	537	376-698	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Strontium-90	842	852	596-1108	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Thorium-228	55	49	34-64	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Thorium-230	49.6	43	30-56	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Thorium-232	51	47	33-61	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Technetium-99	979	1000	700-1300	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	U-234/233	88.9	50.8	35.6-66.0	**Not Acceptable**
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Uranium-238	196	157	110-204	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaS47	Soil	Bq/Kg	Zinc-65	1240	1140	798-1482	Acceptable

MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Americium-241	0.414	0.327	0.229-0.425	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cesium-134	15.9	17.1	12.0-22.2	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cesium-137	17.80	16.8	11.8-21.8	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cobalt-57	30.4	30.0	21.0-39.0	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Cobalt-60	17.8	17.0	11.9-22.1	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Hydrogen-3	350	395	277-514	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Iron-55	22.9	27.8	19.5-36.1	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Manganese-54	-0.0317		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Nickel-63	35.7	32.9	23.0-42.8	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Plutonium-238	0.881	0.985	0.690-1.281	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Plutonium-239/240	0.943	1.070	0.749-1.391	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Potassium-40	-0.850		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Radium-226	0.471	0.511	0.358-0.664	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Strontium-90	7.49	7.73	5.41-10.05	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Technetium-99	-0.206		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Uranium-234/233	1.3100	1.3400	0.96-1.78	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Uranium-238	0.851	0.84	0.59-1.09	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-MaW47	Water	Bq/L	Zinc-65	12.6	11.3	7.9-14.7	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	ug/sample	Uranium-235	0.0803	0.0743	0550-0.0966	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	ug/sample	Uranium-238	11.6	10.4	7.3-13.5	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	ug/sample	Uranium-Total	11.680	10.5	7.4-13.7	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Americium-241	0.0953	0.0899	0.0629-0.1169	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cesium-134	0.0435		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cesium-137	1.66	1.530	1.07-1.99	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cobalt-57	3.32	3.32	2.32-4.32	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Cobalt-60	2.00	1.99	1.39-2.59	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Manganese-54	1.97	1.88	1.32-2.44	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Plutonium-238	0.1110	0.1160	0.081-0.151	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Plutonium-239/240	0.0854	0.0936	0.0655-0.1217	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Strontium-90	1.580	1.620	1.13-2.11	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Uranium-234/233	0.132	0.125	0.088-0.163	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Uranium-238	0.14	0.130	0.091-0.169	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdF47	Filter	Bq/sample	Zinc-65	1.77	1.58	1.11-2.05	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Americium-241	0.1890	0.1890	0.132-0.246	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cesium-134	-0.002		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cesium-137	1.18	1.083	0.758-1.408	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cobalt-57	0.0163		False Pos Test	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Cobalt-60	4.84	4.62	3.23-6.01	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Manganese-54	2.42	2.43	1.70-3.16	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Plutonium-238	0.1490	0.156	0.109-0.203	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Plutonium-239/240	0.14900	1.162	0.113-0.211	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Strontium-90	1.78	1.60	1.12-208	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Uranium-234/233	0.1330	0.1260	0.088-0.164	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Uranium-238	0.135	0.130	0.091-0.169	Acceptable
MAPEP	4th/2022	12/15/22	MAPEP-22-RdV47	Vegetation	Bq/sample	Zinc-65	8.21	7.49	5.24-9.74	Acceptable

TABLE 4

2022 ERA PROGRAM PERFORMANCE EVALUATION RESULTS

PT Provider	Quarter / Year	Report Closing / Received Date	Sample Number	Sample Media	Units	Analyte	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Barium-133	65.2	63	52.4 - 69.4	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Cesium-134	81.9	84.9	69.6 - 93.4	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Cesium-137	29.5	29.3	25.2 - 35.3	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Cobalt-60	112	102	91.8 - 114	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Zinc-65	345	312	281 - 364	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Gross Alpha	32.1	32.5	16.6 - 42.1	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Gross Alpha	32.2	32.5	16.6 - 42.1	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Gross Beta	63.8	68.3	47.4 - 75.1	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Radium-226	12.6	9.53	7.14 - 11.1	**Not Acceptable**
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Radium-228	11.5	8.71	5.59 - 11.0	**Not Acceptable**
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Uranium (Nat)	66.3	69	56.4 - 75.9	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	µg/L	Uranium (mass)	109.74	101	82.5 - 111	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	µg/L	Uranium (mass)	109.74	101	82.5 - 111	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	µg/L	Uranium (mass)	109.74	101	82.5 - 111	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Tritium	21500	22200	19500 - 24400	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Tritium	21200	22200	19500 - 24400	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-89	72.8	65	52.7 - 73.0	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-89	77.7	65	52.7 - 73.0	**Not Acceptable**
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-90	43.7	40.8	30.0 - 46.9	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Strontium-90	42.6	40.8	30.0 - 46.9	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Iodine-131	18.8	21.1	17.5 - 25.3	Acceptable
ERA	1st/2022	2/28/2022	RAD-128	Water	pCi/L	Iodine-131	23.7	21.1	17.5 - 25.3	Acceptable
ERA	2nd/2022	5/23/2022	RAD 129	Water	pCi/L	Radium-226	8.15	9.46	7.09 - 11.1	Acceptable
ERA	2nd/2022	5/23/2022	RAD 129	Water	pCi/L	Radium-228	3.06	3.18	1.71 - 4.63	Acceptable
ERA	2nd/2022	5/23/2022	RAD 129	Water	pCi/L	Strontium-89	67.6	67.9	55.3 - 76.1	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Barium-133	40.1	38.2	30.9 - 42.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cesium-134	84.7	88.6	72.7 - 97.5	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cesium-137	177	170	153 - 189	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cesium-137	177	170	153 - 189	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Cobalt-60	79	72.4	65.2 - 82.1	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Zinc-65	363	326	293 - 380	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Gross Alpha	54.3	60.2	31.5 - 74.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Gross Alpha	58.8	60.2	31.5 - 74.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Gross Alpha	58.8	60.2	31.5 - 74.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Gross Beta	22.5	17.7	10.1 - 25.9	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Gross Beta	22.5	17.7	10.1 - 25.9	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Radium-226	12.1	13.1	9.77 - 15.1	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Radium-228	8.05	8.4	5.38 - 10.6	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Radium-228	7.91	8.4	5.38 - 10.6	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Uranium (Nat)	53.6	54	44.0 - 59.5	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	µg/L	Uranium (mass)	74.525	78.8	64.2 - 86.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Tritium	20200	22100	19400 - 24300	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Strontium-89	48.4	49.6	39.0 - 57.0	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Strontium-89	47.4	49.6	39.0 - 57.0	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Strontium-90	12.8	11.2	7.62 - 13.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Strontium-90	11.9	11.2	7.62 - 13.8	Acceptable
ERA	3rd/2022	08/29/22	RAD-130	Water	pCi/L	Iodine-131	28.9	27.7	23.0 - 32.5	Acceptable

TABLE 5

2022 ERA PROGRAM (MRAD) PERFORMANCE EVALUATION RESULTS

PT Provider	Quarter / Year	Report Closing / Received Date	Sample Number	Sample Media	Units	Analyte	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Actinium-228	1710	1670	1100 - 2100	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Bismuth-212	2130	1840	527 - 2740	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Bismuth-214	888	790	379 - 1180	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-134	6470	6620	4530 - 7910	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-134	6470	6620	4530 - 7910	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-137	7680	6760	5110 - 8550	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cobalt-60	3110	2820	2220 - 3480	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Lead-212	1880	1630	1140 - 2060	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Lead-214	1090	838	352 - 1320	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Manganese-54	<24.3	<555	<555	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Plutonium-238	260	289	144 - 439	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Plutonium-239	1290	1180	643 - 1700	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Potassium-40	40500	37900	26100 - 45300	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Strontium-90	7090	6720	2090 - 10500	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Thorium-234	4900	3390	1280 - 5810	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-234	3830	3410	1600 - 4470	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-234	4120	3410	1600 - 4470	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-234	3830	3410	1600 - 4470	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-238	4080	3390	1860 - 4550	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-238	4060	3390	1860 - 4550	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-Total	8170	6960	3860 - 9000	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-Total	8366	6960	3860 - 9000	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Uranium-Total	8170	6960	3860 - 9000	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	µg/kg	Uranium (mass)	12300	10100	4560 - 13600	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Zinc-65	6450	5070	4050 - 6920	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Americium-241	1670	1850	1140 - 2610	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Soil	pCi/kg	Cesium-134	1900	2450	1630 - 3260	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Cesium-137	1330	1460	1120 - 1970	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Cesium-137	1330	1460	1120 - 1970	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Cobalt-60	822	902	708 - 1180	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Curium-244	1270	1530	863 - 1900	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Manganese-54	<25.2	<207	<207	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Plutonium-238	3470	3640	2520 - 4690	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Plutonium-239	3400	3540	2450 - 4480	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Potassium-40	32400	33300	25000 - 42200	Acceptable

ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Strontium-90	5170	4340	2450 - 5660	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Uranium-234	3750	3980	2800 - 5080	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Uranium-238	3850	3940	2780 - 4930	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Uranium-Total	7800	8110	5180 - 10900	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	µg/kg	Uranium (mass)	11500	11800	9060 - 14600	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	veg	pCi/kg	Zinc-65	564	545	407 - 808	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Americium-241	22.6	21	15.0 - 28.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Cesium-134	497	549	356 - 673	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Cesium-137	1320	1320	1080 - 1730	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Cobalt-60	905	885	752 - 1120	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Iron-55	110	127	46.4 - 203	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Manganese-54	<4.39	<35.0	<35.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Plutonium-238	27.1	29.6	22.3 - 36.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Plutonium-239	44.5	49.7	37.2 - 60.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Strontium-90	38	31.1	19.7 - 42.3	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-234	59.1	67.3	49.9 - 78.9	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-234	62.3	67.3	49.9 - 78.9	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-238	61.5	66.7	50.4 - 79.6	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-238	63.6	66.7	50.4 - 79.6	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-Total	124	137	100 - 162	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Uranium-Total	128.9	137	100 - 162	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	µg/Filter	Uranium (mass)	184	200	160 - 234	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	µg/Filter	Uranium (mass)	190	200	160 - 234	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Zinc-65	730	671	550 - 1030	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Zinc-65	730	671	550 - 1030	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Gross Alpha	98.4	94.2	49.2 - 155	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Filter	pCi/Filter	Gross Beta	71.5	66.8	40.5 - 101	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Americium-241	65	74.6	51.2 - 95.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-134	1620	1720	1300 - 1890	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-134	1620	1720	1300 - 1890	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-134	1620	1720	1300 - 1890	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-137	1130	1120	959 - 1270	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-137	1130	1120	959 - 1270	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cesium-137	1130	1120	959 - 1270	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Cobalt-60	2880	2710	2340 - 3110	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Iron-55	1270	1140	670 - 1660	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Manganese-54	<8.37	<71.0	<71.0	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Plutonium-238	116	147	88.4 - 190	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Plutonium-239	56	71.9	44.5 - 88.6	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Strontium-90	639	628	452 - 776	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-234	41.2	44.1	33.6 - 50.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-	Water	pCi/L	Uranium-234	44	44.1	33.6 - 50.4	Acceptable

			36							
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-238	44.7	43.7	33.9 - 51.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-238	43.5	43.7	33.9 - 51.4	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-Total	88.9	89.8	70.0 - 102	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Uranium-Total	89.5	89.8	70.0 - 102	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	µg/L	Uranium (mass)	134	131	106 - 149	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	µg/L	Uranium (mass)	130	131	106 - 149	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Zinc-65	1320	1220	1090 - 1540	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Gross Alpha	74.5	79.4	29.0 - 109	Acceptable
ERA	2nd/2022	5/27/2022	MRAD-36	Water	pCi/L	Tritium	28000	28200	21300 - 34300	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Actinium-228	1550	1670	1100 - 2100	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Americium-241	187	147	79.4 - 208	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Bismuth-212	1460	1670	478 - 2490	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Bismuth-214	592	790	379 - 1180	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Bismuth-214	592	790	379 - 1180	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Cesium-134	8710	9600	6560 - 11500	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Cesium-137	8080	7890	5970 - 9980	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Cobalt-60	1490	1500	1180 - 1850	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Lead-212	1820	1630	1140 - 2060	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Lead-214	735	838	352 - 1320	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Manganese-54	<32.1	<555	<555	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Plutonium-238	1100	1100	549 - 1670	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Plutonium-239	948	967	527 - 1390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Potassium-40	41300	43100	29700 - 51500	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Strontium-90	5310	6270	1950 - 9770	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Thorium-234	3920	3320	1250 - 5690	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-234	3410	3350	1570 - 4390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-234	3640	3350	1570 - 4390	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-238	3880	3320	1820 - 4460	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Uranium-Total	7520	6830	3790 - 8830	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	µg/kg	Uranium (mass)	11600	9960	4490 - 13400	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Soil	pCi/kg	Zinc-65	4300	3990	3190 - 5440	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Americium-241	3650	3560	2200 - 5030	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Cesium-134	1820	1860	1230 - 2480	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Cesium-137	2560	2300	1770 - 3100	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Cobalt-60	528	496	389 - 648	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Curium-244	957	1100	620 - 1370	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Manganese-54	<27.4	<207	<207	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Plutonium-238	1320	1300	900 - 1680	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Plutonium-239	1190	1170	809 - 1480	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Strontium-90	4560	2960	1670 - 3860	**Not Acceptable**
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Uranium-234	1090	1090	766 - 1390	Acceptable

ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Uranium-238	1100	1080	763 - 1350	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Uranium-Total	2230	2220	1420 - 2990	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	µg/kg	Uranium (mass)	3300	3240	2490 - 4010	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Vegetation	pCi/kg	Zinc-65	665	512	382 - 759	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Americium-241	41.2	38.8	27.7 - 51.7	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Cesium-134	286	325	211 - 399	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Cesium-137	739	795	653 - 1040	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Cobalt-60	203	191	162 - 243	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Iron-55	107	122	44.5 - 195	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Manganese-54	<2.38	<35.0	<35.0	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Plutonium-238	29.9	29.9	22.6 - 36.7	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Plutonium-239	12.1	13	9.73 - 15.7	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Strontium-90	130	133	84.1 - 181	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-234	68.1	71.5	53.0 - 83.8	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-234	69.9	71.5	53.0 - 83.8	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-238	70.1	70.9	53.5 - 84.6	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-238	72.3	70.9	53.5 - 84.6	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-Total	141	146	107 - 173	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Uranium-Total	142.2	146	107 - 173	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	µg/Filter	Uranium (mass)	210	212	170 - 248	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	µg/Filter	Uranium (mass)	216	212	170 - 248	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Zinc-65	133	120	98.4 - 183	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Gross Alpha	57.8	55.5	29.0 - 91.4	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Filter	pCi/Filter	Gross Beta	68.2	64.8	39.3 - 97.9	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Americium-241	100	96.2	66.0 - 123	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Cesium-134	452	483	365 - 531	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Cesium-137	1220	1250	1070 - 1420	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Cobalt-60	1500	1420	1220 - 1630	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Iron-55	867	926	544 - 1350	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Manganese-54	<5.46	<71.0	<71.0	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Plutonium-238	44.5	52.6	31.6 - 68.2	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Plutonium-239	94.4	117	72.5 - 144	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Strontium-90	283	224	161 - 277	**Not Acceptable**
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-234	140	153	116 - 175	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-234	145	153	116 - 175	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-238	147	152	118 - 179	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-238	156	152	118 - 179	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-Total	296	312	243 - 356	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Uranium-Total	301	312	243 - 356	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	µg/L	Uranium (mass)	442	455	369 - 516	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	µg/L	Uranium (mass)	468	455	369 - 516	Acceptable
ERA	4th/2022	11/21/22	MRAD-	Water	pCi/L	Zinc-65	145	122	109 - 154	Acceptable

			37							
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Gross Alpha	46.6	42.7	15.6 - 58.9	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Gross Beta	93.6	111	55.5 - 153	Acceptable
ERA	4th/2022	11/21/22	MRAD-37	Water	pCi/L	Tritium	16900	18800	14200 - 22900	Acceptable

FIGURE 1

COBALT-60 PERFORMANCE EVALUATION RESULTS AND % BIAS

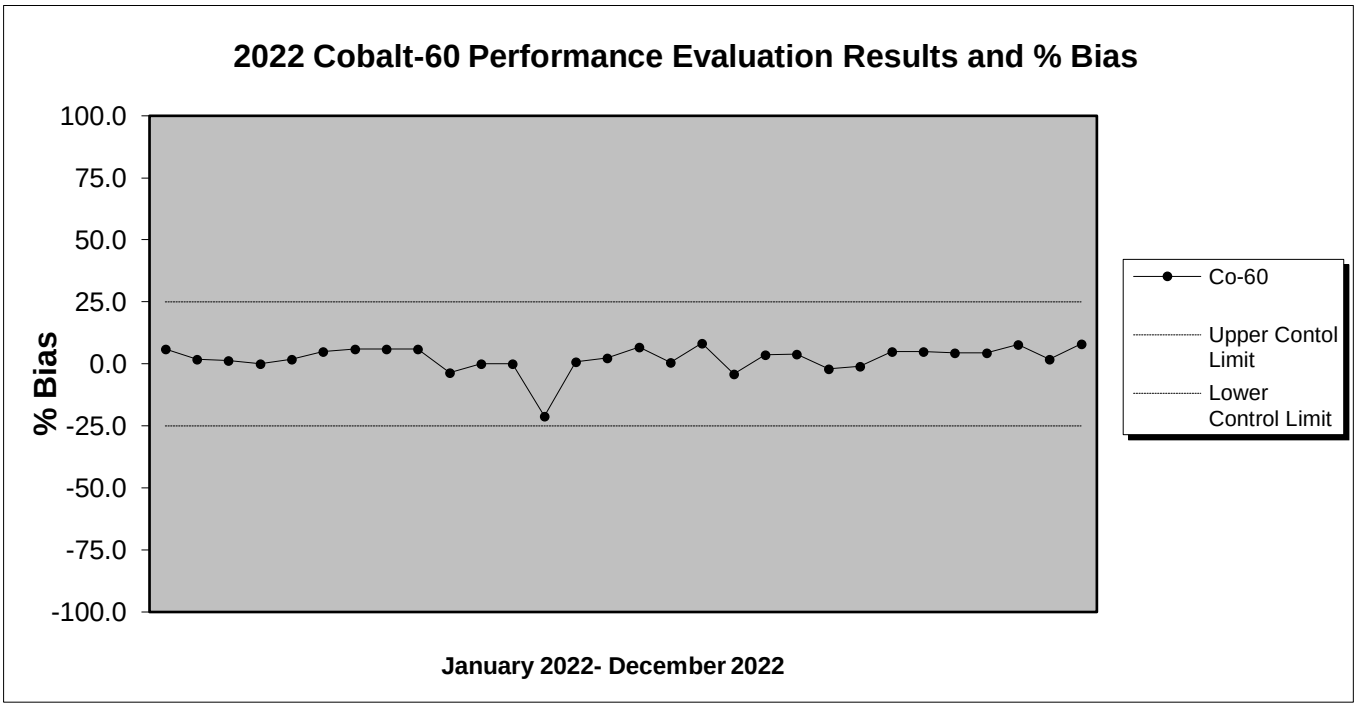

FIGURE 2

CESIUM-137 PERFORMANCE EVALUATION RESULTS AND % BIAS

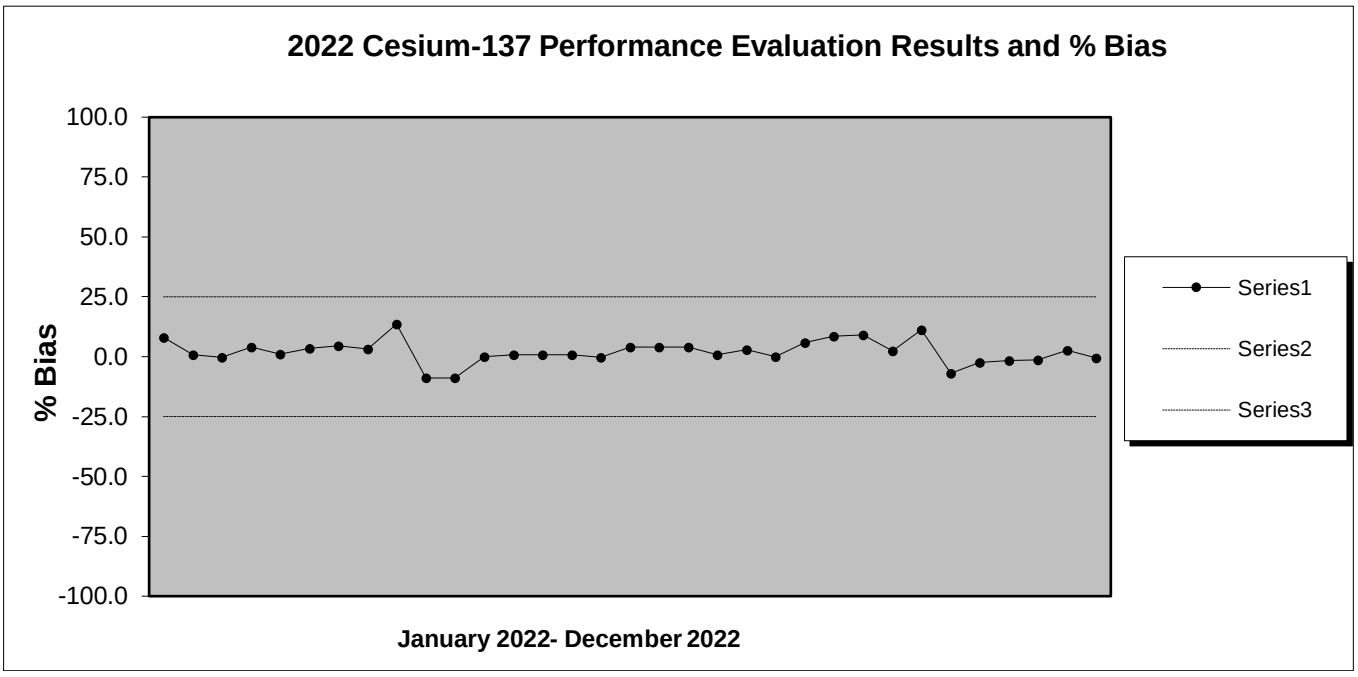

FIGURE 3

TRITIUM PERFORMANCE EVALUATION RESULTS AND % BIAS

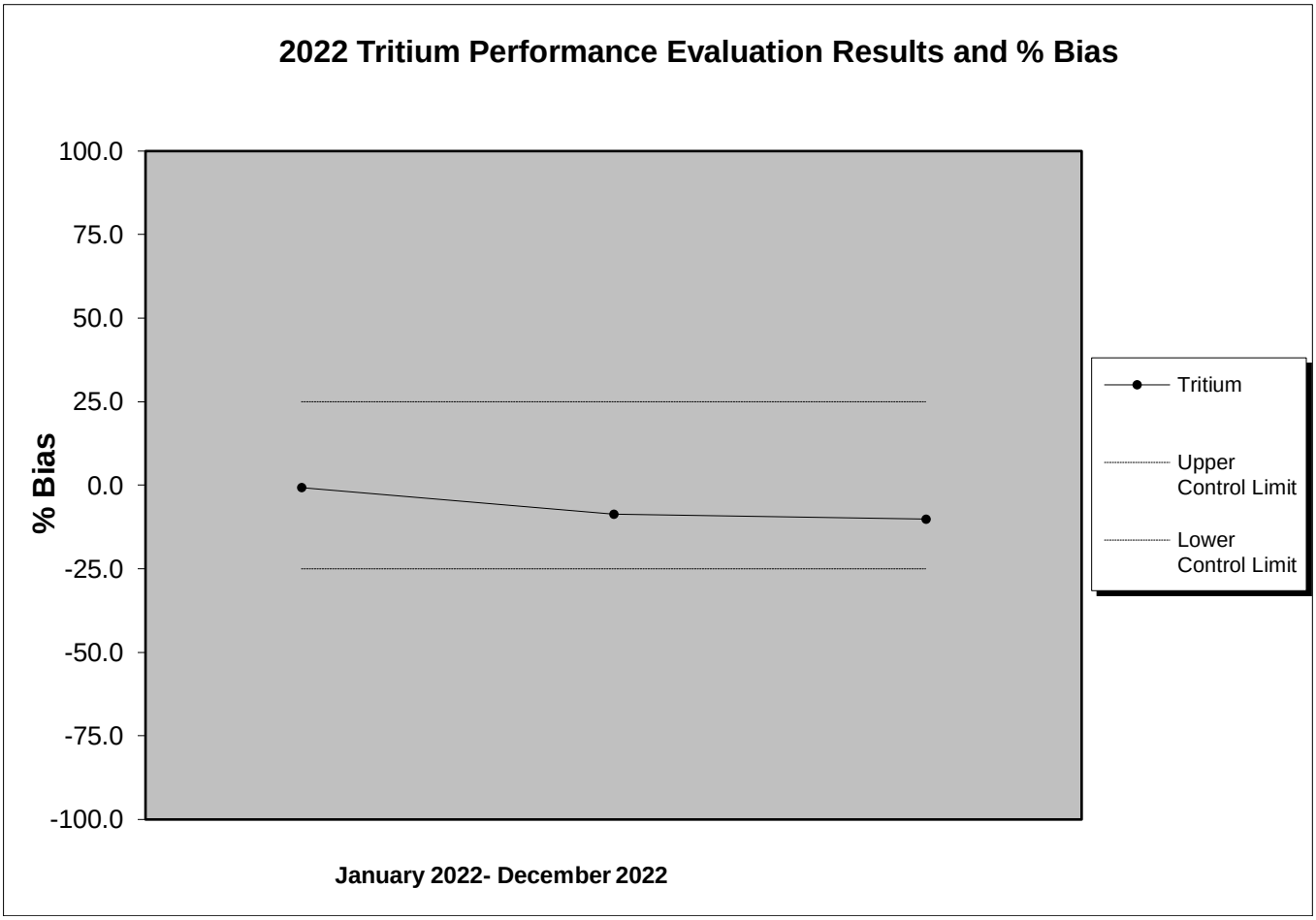

FIGURE 4

STRONTIUM-90 PERFORMANCE EVALUATION RESULTS AND % BIAS

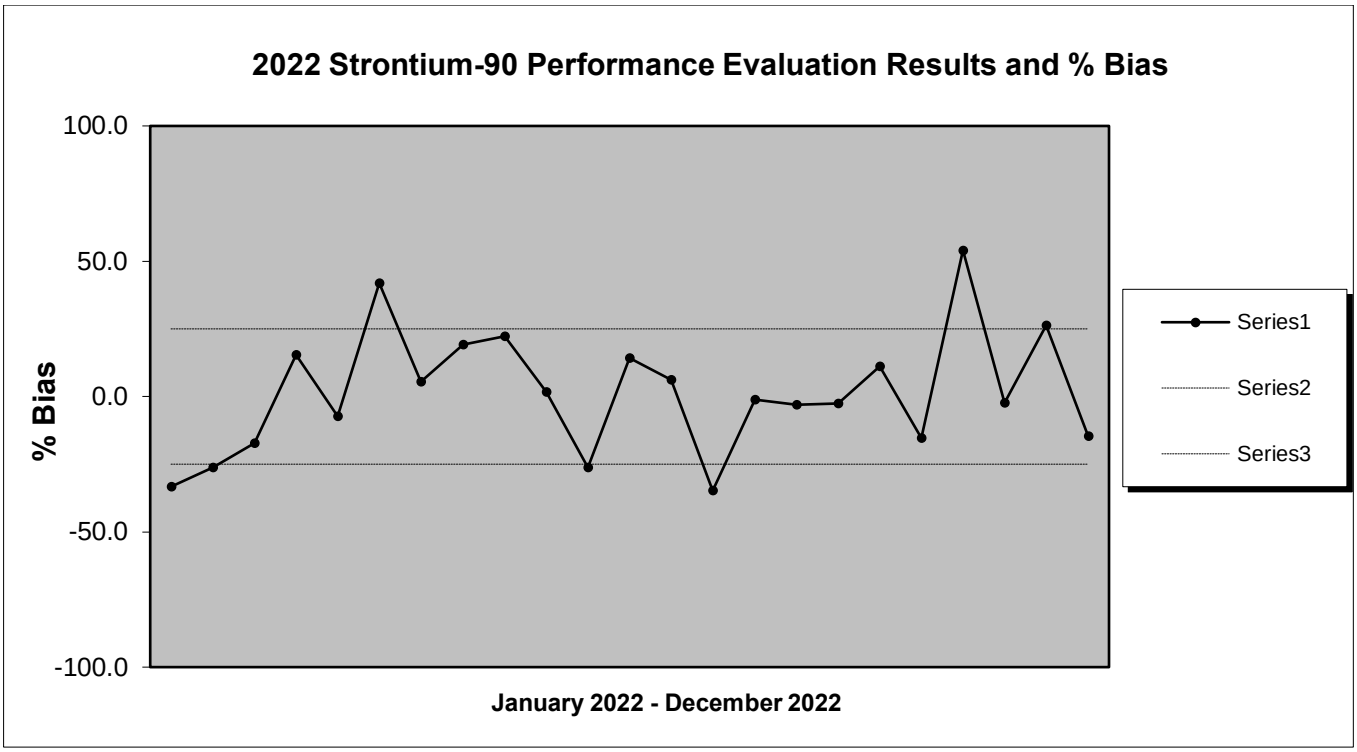

FIGURE 5

GROSS ALPHA PERFORMANCE EVALUATION RESULTS AND % BIAS

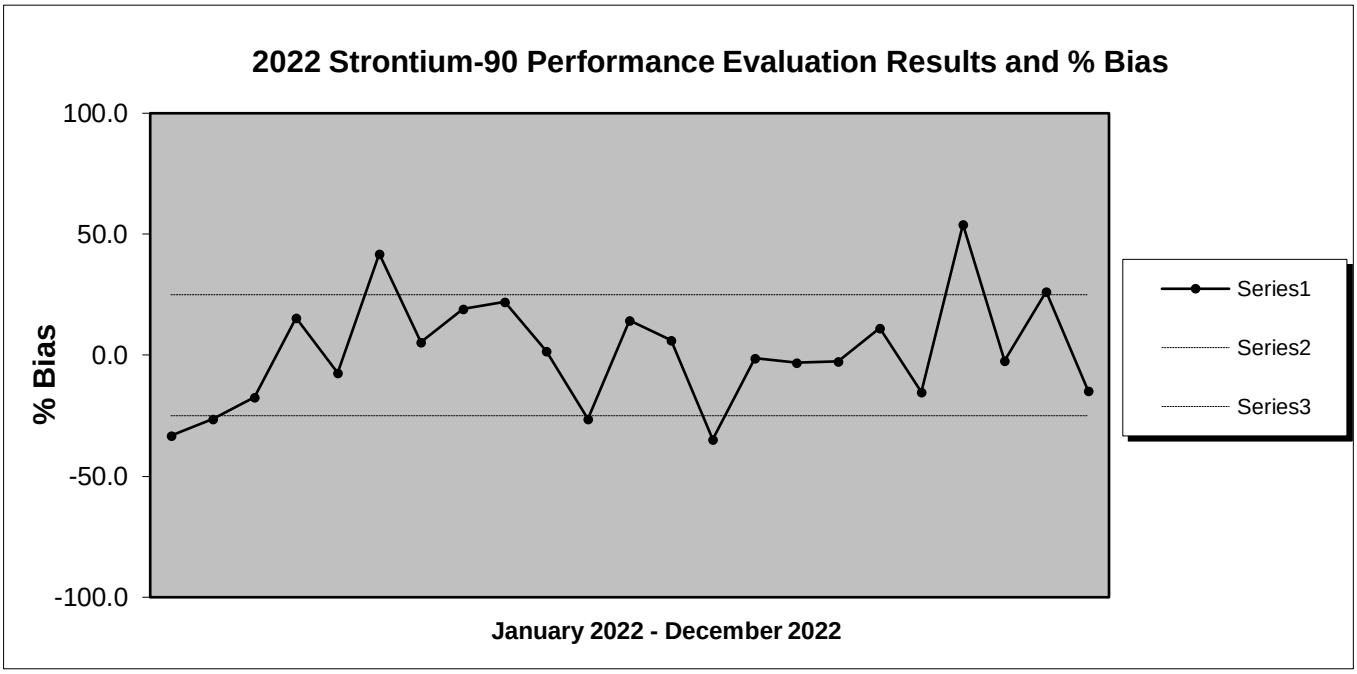

FIGURE 6

GROSS BETA PERFORMANCE EVALUATION RESULTS AND % BIAS

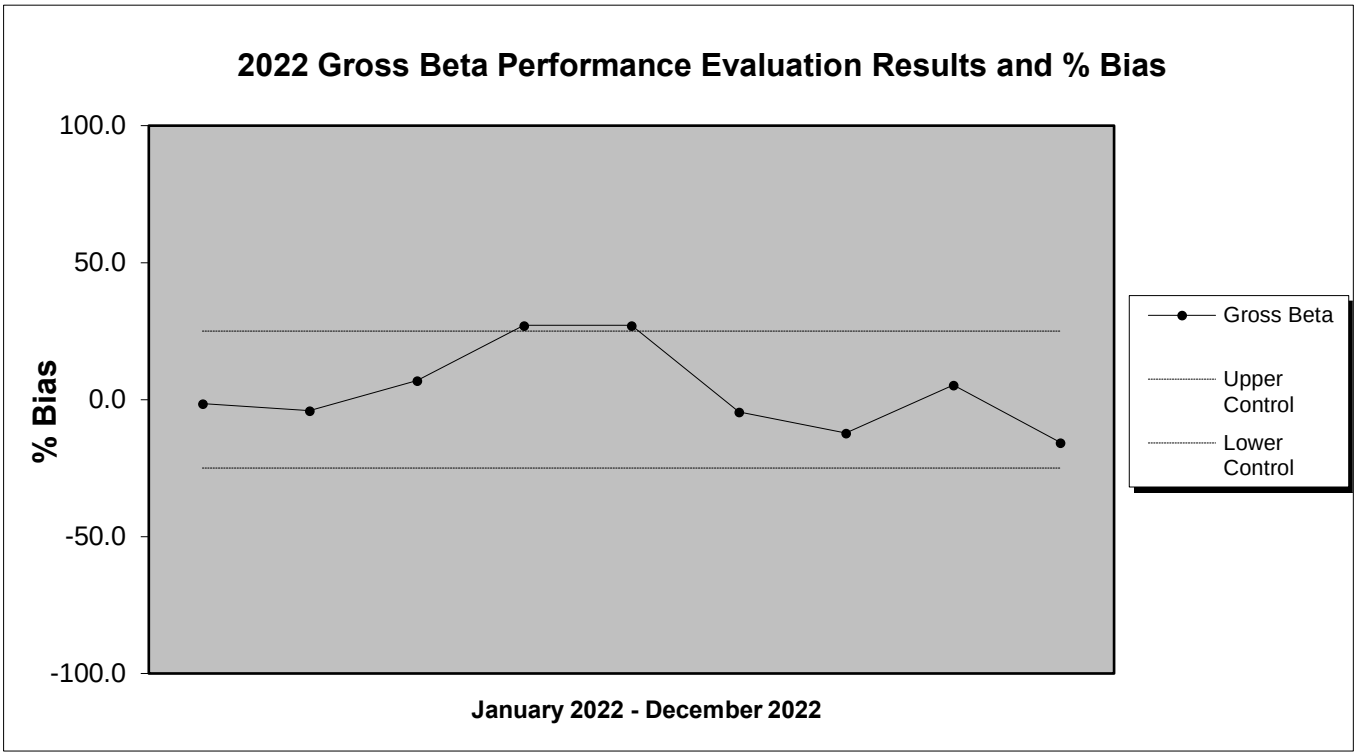

FIGURE 7

IODINE-131 PERFORMANCE EVALUATION RESULTS AND % BIAS

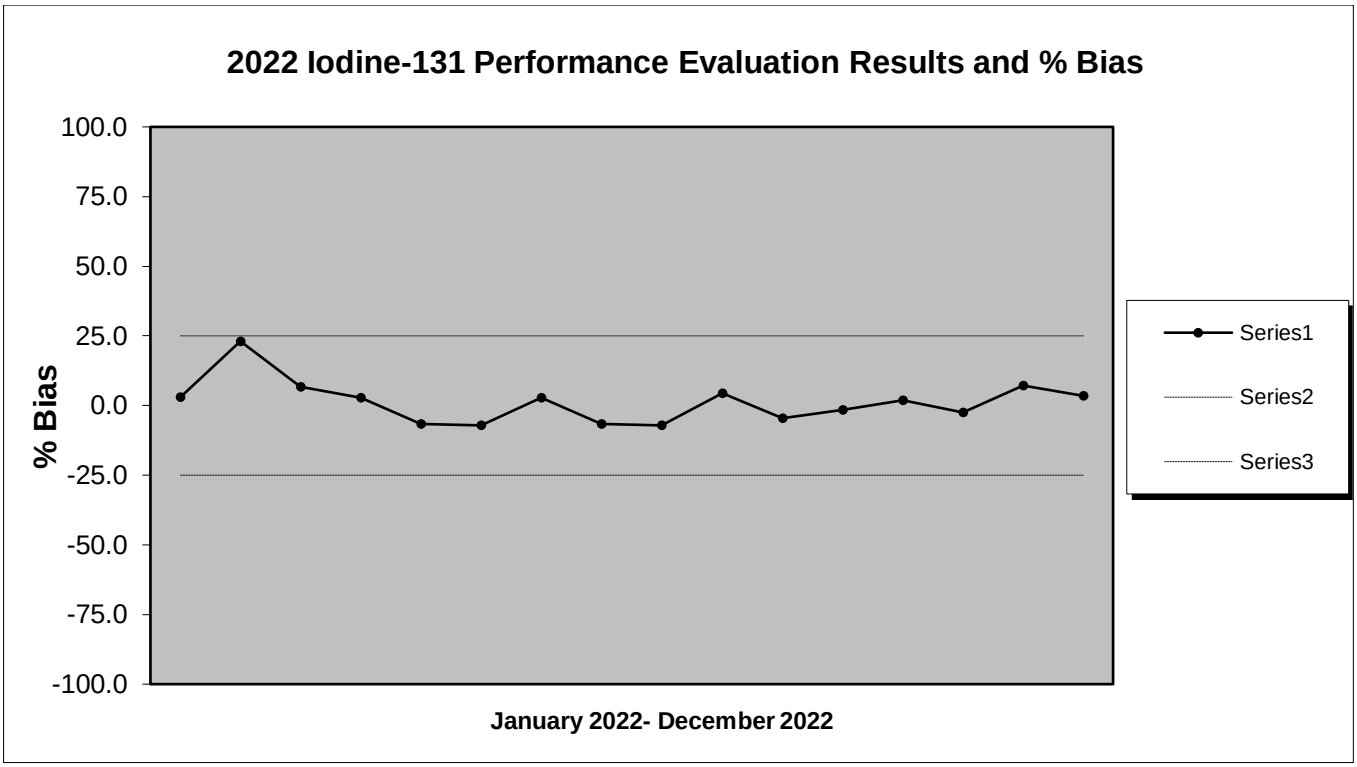

FIGURE 8

AMERICIUM-241 PERFORMANCE EVALUATION RESULTS AND % BIAS

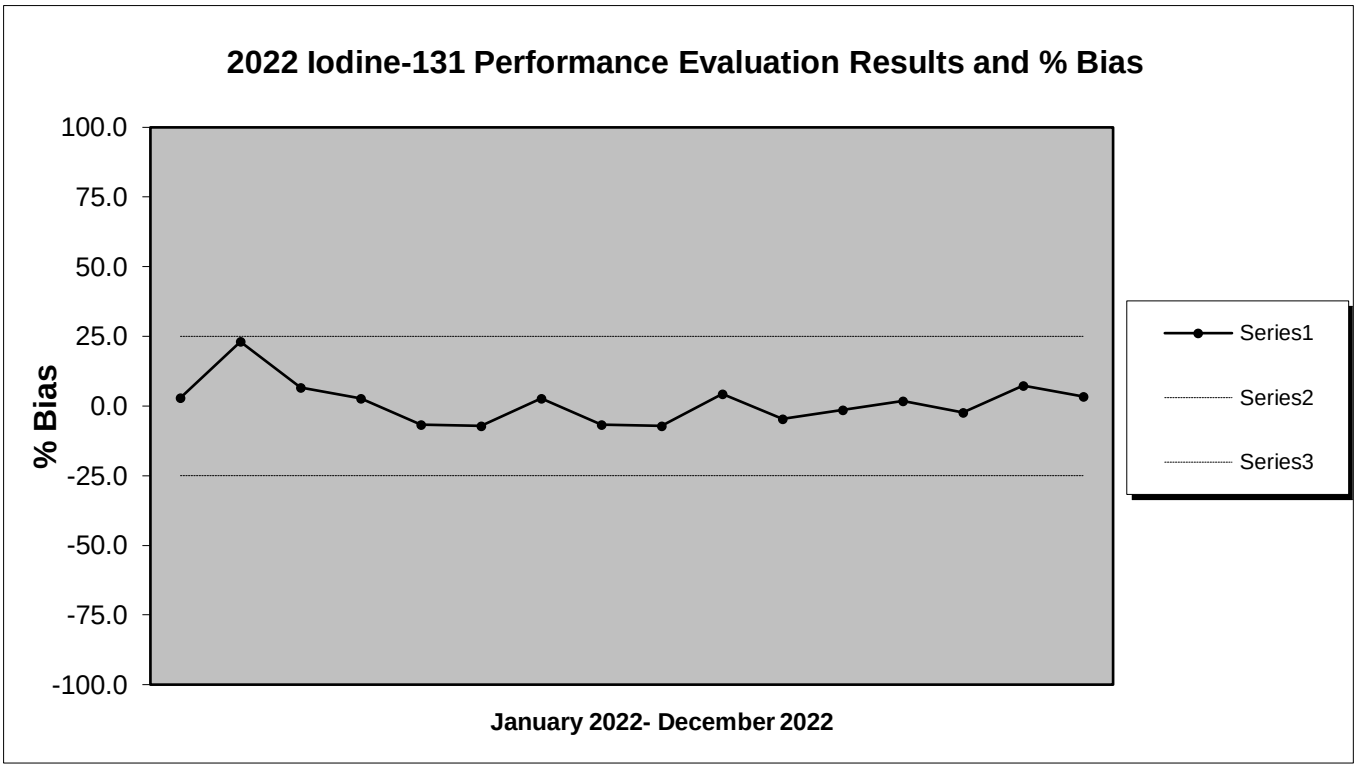

FIGURE 9

PLUTONIUM-238 PERFORMANCE EVALUATION RESULTS AND % BIAS

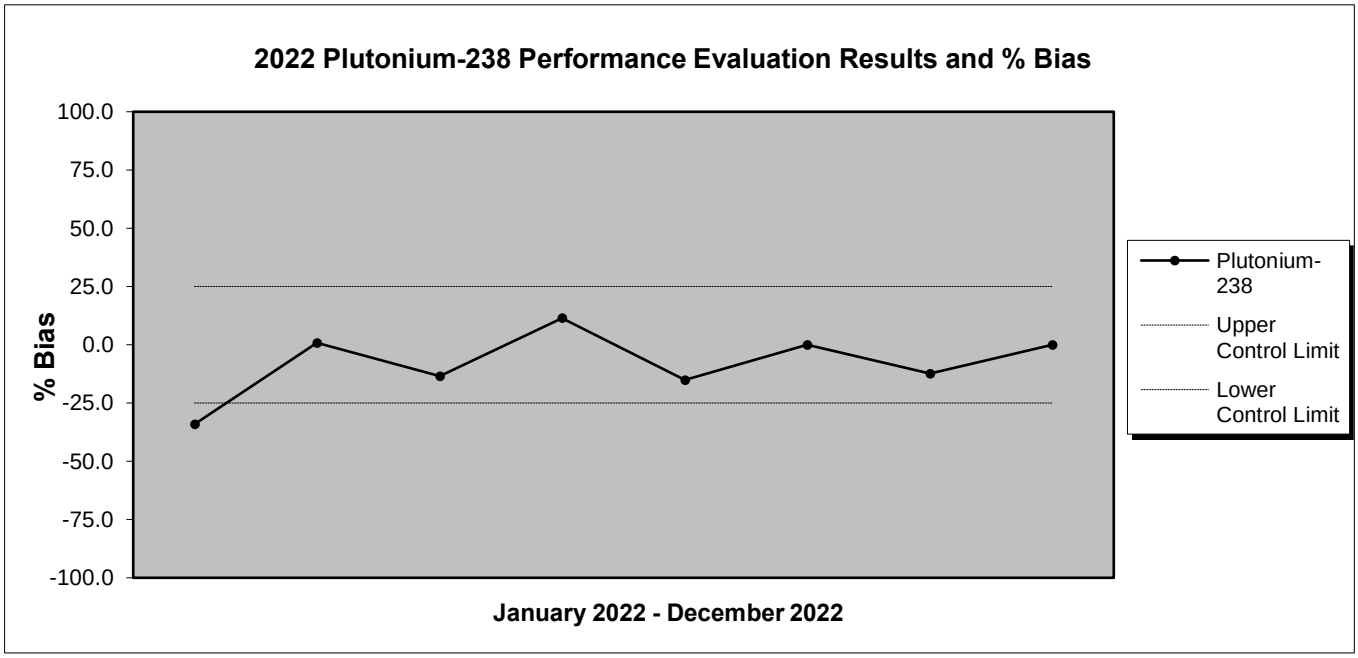

TABLE 6

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

2022 REMP Intra Laboratory	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
DRINKING WATER				
Gross Alpha Non Vol Beta	471	0	498	0
LIQUID				
Gross Alpha Non Vol Beta	181	0	484	0
FILTER				
Gross A & B	1726	0	1415	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	1701	0	2570	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	155	0	155	0
SOLID				
LSC Iron-55	30	0	30	0
LSC Nickel 63	25	0	25	0
Tritium	12	0	12	0
VEGETATION				
Carbon-14	12	0	12	0
LIQUID				
Tritium	1281	0	1626	0
Gamma Spec Liquid RAD A-013 with Ba, La	434	0	939	0
MILK				
Gamma Spec Liquid RAD A-013 with Ba, La	209	0	615	0
Gamma Iodine-131	56	0	606	0
Gas Flow Sr 2nd count	209	0	257	0
LIQUID				
Iodine-131	0	0	341	0
TISSUE				
Tritium	12	0	12	0
LIQUID				
Gamma Spec Liquid RAD A-013 with Iodine	119	0	444	0
DRINKING WATER				
Iodine-131	0	0	199	0
Gamma Spec Liquid RAD A-013 with Ba, La	166	0	282	0
LIQUID				
Gas Flow Sr 2nd count	83	0	84	0

VEGETATION				
Gamma Spec Solid RAD A-013 with Iodine	327	0	467	0
SOLID				
Gas Flow Sr 2nd count	44	0	54	0
DRINKING WATER				
Gamma Spec Liquid RAD A-013 with Iodine	0	0	53	0
FILTER				
Gamma Spec Filter	188	0	395	0
LIQUID				
LSC Iron-55	74	0	89	0
DRINKING WATER				
LSC Iron-55	68	0	47	0
LIQUID				
LSC Nickel 63	69	0	90	0
DRINKING WATER				
LSC Nickel 63	68	0	47	0
Tritium	146	0	165	0
SOLID				
Gamma Spec Solid RAD A-013 with Iodine	138	0	239	0
DRINKING WATER				
Gamma Iodine-131	123	0	145	0
LIQUID				
Gas Flow Total Strontium	100	0	112	0
DRINKING WATER				
Gas Flow Total Strontium	100	0	93	0
VEGETATION				
Gamma Spec Solid RAD A-013	34	0	34	0
FILTER				
Gas Flow Sr 2nd Count	17	0	22	0
MILK				
Gas Flow Total Strontium	74	0	69	0
SOLID				
Gamma Spec Solid RAD A-013	34	8	47	0
TISSUE				
Gamma Spec Solid RAD A-013	185	0	209	0
Gamma Spec Solid RAD A-013 with Iodine	81	0	86	0
Gas Flow Total Strontium	42	0	42	0
DRINKING WATER				
Gas Flow Sr 2nd count	7	0	7	0
SOLID				
Gas Flow Total Strontium	20	0	20	0

LIQUID				
Gamma Spec Liquid RAD A-013	16	0	16	0
VEGETATION				
Gas Flow Total Strontium	27	0	27	0
Gas Flow Sr 2nd count	19	0	28	0
TISSUE				
Gas Flow Sr 2nd count	49	0	49	0
TOTAL	**8932**		**12665**	

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 7

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

2022 Intra Laboratory	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
LIQUID				
Gas Flow Radium 228	19	0	16	0
DRINKING WATER				
Gas Flow Radium 228	364	0	387	0
Lucas Cell Radium-226	443	0	465	0
LIQUID				
Iodine-131	0	0	352	0
DRINKING WATER				
Tritium	151	0	170	0
AIR CHARCOAL				
Gamma Iodine 129	52	0	52	0
FILTER				
Gas Flow Total Strontium	5	0	12	0
LIQUID				
ICP-MS Uranium-233, 234 in Liquid	48	0	57	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	45	0	73	0
ICP-MS Uranium-235, 236, 238 in Liquid	58	0	98	0
SOLID				
Gamma Spec Solid RAD A-013 (pCi/Sample)	57	0	82	0
LIQUID				
Alpha Spec Polonium	41	0	134	0
SOLID				
Total Activity,	19	0	31	0
FILTER				
Gas Flow Lead 210	0	0	22	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	32	0	160	0
LIQUID				
Gamma Iodine 131 RAD A-013	12	0	12	0
Gross Alpha/Beta	0	0	18	0
DRINKING WATER				
Gas Flow Strontium 90	68	0	47	0
VEGETATION				
Tritium	67	0	72	0
LIQUID				

Radium 226 + 228 Sum (Result and TPU only)	148	0	167	0
FILTER				
Filter Prep	16	0	60	0
VEGETATION				
Gas Flow Sr 2nd count	19	0	28	0
TISSUE				
LSC Plutonium	10	0	10	0
SOLID				
Gas Flow Strontium 90	26	0	27	0
LIQUID				
Gamma Spec Drinking Water RAD A-013	16	0	16	0
MILK				
Gas Flow Strontium 90	41	0	52	0
LIQUID				
Lucas Cell Radium 226	2344	0	3458	0
Technetium-99	4280	0	4184	0
SOLID				
LSC Plutonium	1683	0	1762	0
FILTER				
Alpha Spec U	68	0	320	0
Alpha Spec Uranium	476	0	1053	0
LIQUID				
LSC Nickel 63	620	0	923	0
FILTER				
Carbon-14	27	0	538	0
LIQUID				
Alpha Spec Uranium	3046	0	4469	0
FILTER				
Gamma Spec Filter RAD A-013	1117	0	1510	0
LIQUID				
Gas Flow Total Strontium	643	0	758	0
Gas Flow Total Alpha Radium	60	0	56	0
DRINKING WATER				
LSC Iron-55	68	0	47	0
Gamma Spec Liquid RAD A-013 with Iodine	0	0	53	0
SOLID				
ICP-MS U-234, 235, 236, 238 Prep per sample	53	0	53	0
LIQUID				
LSC Calcium 45	70	0	70	0
MILK				

Gamma Spec Liquid RAD A-013 with Ba, La	209	0	615	0
Gamma Iodine-131	56	0	606	0
FILTER				
Alpha Spec Plutonium	60	0	60	0
Gamma Spec Filter RAD A-013 Direct Count	5	0	48	0
SOLID				
Tritium	111	0	111	0
DRINKING WATER				
Gamma Spec Liquid RAD A-013	45	0	45	0
FILTER				
ICP-MS Tc-99 in Filter	0	0	29	0
DRINKING WATER				
Alpha Spec Am241 Curium	10	0	10	0
Alpha Spec Plutonium	10	0	10	0
SOLID				
LSC Calcium 45	5	0	16	0
VEGETATION				
Alpha Spec Uranium	1	0	11	0
FILTER				
Gamma I-131, filter	21	0	21	0
VEGETATION				
Gamma Spec Solid RAD A-013 (pCi/Sample)	11	0	11	0
FILTER				
Laboratory Sample composite-Filters	0	0	15	0
LIQUID				
Total Activity,	21	0	31	0
FILTER				
Carbon-14 Direct Count	0	0	10	0
TISSUE				
Gas Flow Sr 2nd count	59	0	59	0
VEGETATION				
Gas Flow Total Strontium	27	0	27	0
TOTAL	**128585**		**162627**	

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 8

2022 CORRECTIVE ACTION REPORT SUMMARY

CORRECTIVE ACTION & PE FAILURE	DISPOSITION

Summary of RAD-128 Drinking Water Study Unacceptable Ratings

Sample ID	Parm	Reported Value	Reference Value	Acceptance Range
Naturals	Radium-226	12.6 pCi/L	9.53 pCi/L	7.14-11.1 pCi/
Naturals	Radium-228 (9320)	11.5 pCi/L	8.71 pCi/L	5.59-11.0 pCi/
Strontium 89/90	Strontium-89	77.7 pCi/L	65.0 pCi/L	52.7-73.0 pCi/

Containment Actions, if any:

Radium-226: The laboratory reviewed the data of the original analysis, and no anomalies were noted. A review of the sample preparation processes and data set did not reveal any errors or possible contributors to the high bias. The sample was reanalyzed, and the result was within the acceptance range demonstrating that the process is under control and the unacceptable result is due to an unknown error.

Radium-228: The Batch data was reviewed by the laboratory, and it was noted that initial counts of the sample preparations were within the acceptance range but were recounted due to a high Relative Percent Difference (RPD). The sample was reanalyzed, and the results were within the acceptance range; therefore, an unidentified error occurred during the initial process.

Strontium-89: The result for Strontium-89 was 120% of the known value with the acceptance range limit of 112%. The laboratory reviewed the method for possible contributors to the bias and no anomalies were noted. The LCS trend charts and calibration were review and no errors were found. Due to the short half-life of Sr-89, the sample could not be reanalyzed for confirmation.

Root Causes:

The laboratory could not definitively identify the cause of the high bias in the results for these parameters. The lab will continue to monitor the recoveries of these parameters to ensure that there are no continued issues. The laboratory met acceptance criteria for these isotopes during the next RAD study (RAD 129)

CORRECTIVE ACTION & PE FAILURE

DISPOSITION

Sample ID	Parm	Reported Value	Reference Value	Acceptance Range
MAPEP-22-MaS46 (Radiological)	Fe-55 Tc-99	725 Bq/kg 506 Bq/kg	1100 Bq/kg 778 Bq/kg	770-1430 Bq/kg 545-1011 Bq/kg
MAPEP-22-RdV46	Sr-90	1.12 Bq/sample	0.789 Bq/sample	0.552-1.026 Bq/sample

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 areas. 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 each method. Additionally, all internal procedures and policies were performed as required. These failures were tracked through GEL's internal non conformance system.

Root Cause(s):

MAPEP-22-MaS46 (Radiological): Fe-55:

The laboratory reviewed the data and noted that the tracer recoveries for this analysis were higher than typical soil tracer recoveries. The higher tracer recoveries possibly contributed to the low bias seen in the result.

Tc-99:

The laboratory reviewed both the inorganic and radiological data for contributors to the low bias. Both analyses include the addition of Hydrofluoric Acid to the 1M Hydrochloric leach process. The laboratory has concluded that since both the reported results were low, the HF leach may not have been performed long enough for the HF to effectively isolate the Technetium.

MAPEP-22-RdV46:

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.

CORRECTIVE ACTION & PE FAILURE	DISPOSITION

Sample ID	Parm	Reported Value	Reference Value	Acceptance Range	
MAPEP-22-MaS47 (Radiological)	U-234 U-238 (W)	88.9 Bq/kg 196 Bq/kg	50.8 Bq/kg 157 Bq/kg	35.6-66.0 Bq/kg 110-204 Bq/kg	

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 areas. 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 each method. Additionally, all internal procedures and policies were performed as required. These failures were tracked through GEL's internal non-conformance system.

A review of the spectral data and calculations was performed, and no errors were found. A recount of the samples was performed to see if there were any counting issues that would result in the higher bias. Recount data verified original results. A reanalysis was performed via alpha spec, utilizing an HF, HNO3, HCL complete digestion procedure (GEL-RAD-A-011). Reanalysis results averaged between 83%-104% for U-234 and 92%-102% for U-238. Possible issues with original analysis could include: analyst errors in tracing or aliquoting, tracer low bias (a different secondary tracer was used on the reanalysis, however control charts of the original tracer indicated no bias), or possible contamination issues from the NaOH fusion method (original prep) and/or the crucibles used for the fusion. Although contamination is a probable cause, the batch blank gave no indication of a contamination issues. A review of the cleaning procedure for the crucibles was performed and no

issues were identified.

	Root Cause(s): The laboratory could not definitively identify the cause of the high bias in the results for these parameters. The lab will continue to monitor the recoveries of these parameters in all methods to ensure that there are no continued issues..
	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 areas. 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 each method. Additionally, all internal procedures and policies were performed as required. These failures were tracked through GEL's internal non-conformance system
	The lab will continue to monitor the recoveries of these parameters to ensure that there are no continued issues. During the analysis time period for MRAD-37, the laboratory successfully completed the analysis of Strontium-90 in these matrices in PT study MAPEP-47. In which, the samples were prepared and analyzed by the same processes and procedures

Sample ID	Parm	Reported Value	Reference Value	Acceptance Range
MRAD 37 Vegetation	Strontium-90	4560 pCi/kg	2960 pCi/kg	1670-3860 pCi/L
MRAD 37 Water	Strontium-90	283 pCi/L	224 pCi/L	161-277 pCi/L