LMS/RFS/44807

Rocky Flats Site, Colorado, Quarterly Report of Site Surveillance and Maintenance Activities, First Quarter, Calendar Year 2023

July 2023

U.S. DEPARTMENT OF ENERGY | Legacy Management

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Contents

Figures

Appendixes

Abbreviations

Am	americium
AOC	Area of Concern
BMP	best management practice
CAD/ROD	Corrective Action Decision/Record of Decision
CDPHE	Colorado Department of Public Health and Environment
COU	Central Operable Unit
CR	Contact Record
CY	calendar year
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
ETPTS	East Trenches Plume Treatment System
IC	institutional control
ITSS	Interceptor Trench System Sump
LM	Office of Legacy Management
µg/L	micrograms per liter
MSPCS	Mound Site Plume Collection System
NWCS	North Walnut Creek Slump
OLF	Original Landfill
pCi/L	picocuries per liter
PLF	Present Landfill
PLFTS	Present Landfill Treatment System
POC	Point of Compliance
POE	Point of Evaluation
Pu	plutonium
RCRA	Resource Conservation and Recovery Act
RFLMA	*Rocky Flats Legacy Management Agreement*
RFSOG	Rocky Flats Site Operations Guide
SPPTS	Solar Ponds Plume Treatment System

Executive Summary

This report for the first quarter (January 1–March 31) of calendar year (CY) 2023 includes information on the remedy-related surveillance, monitoring, and maintenance activities conducted at the Rocky Flats Site, Colorado, managed by the U.S. Department of Energy (DOE) Office of Legacy Management. This report summarizes the maintenance and inspection of the two closed Site landfills and four groundwater collection or treatment systems, the inspection of the perimeter signs of the Central Operable Unit, erosion control and revegetation activities, and water and ecological monitoring.

The Present Landfill quarterly inspection for the first quarter of CY 2023 was conducted on February 21, 2023. No issues were identified during this inspection. The Present Landfill Treatment System (PLFTS) North and South Manhole Outlet pipes were cleaned with a mechanical pipe cleaner as a best management practice.

The Original Landfill monthly inspections for the first quarter of CY 2023 were conducted on January 17, February 21, and March 23, 2023. No issues were observed during these inspections.

Routine maintenance was performed at the Mound Site Plume Collection System, the East Trenches Plume Treatment System, the Solar Ponds Plume Treatment System (SPPTS), and the PLFTS during the first quarter. Pilot-scale uranium treatment testing that began in November 2022 continued at the SPPTS. Freezing conditions interfered with flows at the SPPTS but did not cause any damage or lasting effects, and treatment continued without problem.

Water monitoring met the targeted monitoring objectives required by the *Rocky Flats Legacy Management Agreement* (RFLMA). During the quarter, 11 flow-paced, composite surface water samples; 18 surface water grab samples; 13 treatment system grab samples; and 11 groundwater samples were collected in accordance with RFLMA-required protocols and were submitted for laboratory analysis.

A reportable condition at Point of Evaluation (POE) GS10 for the uranium 12-month rolling average was determined upon receipt of recently validated analytical results. Validated results were received on May 9, 2023, with formal notification to regulators and stakeholders being made on May 17, 2023. The RFLMA Parties (DOE, Colorado Department of Public Health and Environment, and U.S. Environmental Protection Agency) held a consultation regarding this reportable condition on June 8, 2023. Once finalized, the plan and path forward will be described in a contact record that will be posted on the Rocky Flats website. See Section 3.1.3.1 for a detailed discussion.

All other analyte concentrations at POE locations GS10, SW027, and SW093 remained below reportable condition levels during the first quarter of CY 2023.

All analyte concentrations at Points of Compliance WALPOC and WOMPOC also remained below reportable condition levels during the first quarter of CY 2023.

RFLMA-required groundwater monitoring during the first quarter of CY 2023 was conducted at the 10 Resource Conservation and Recovery Act wells monitoring the two closed landfills.

Results were generally consistent with previous data. Groundwater monitoring data presented in this quarterly report will be evaluated as part of the annual report for CY 2023.

Ecological activities conducted during the first quarter included revegetation of disturbed areas, vegetation enhancement activities (interseeding with native grasses and shrubs), prairie dog surveys, and installation of wildlife crossings.

1.0 Introduction

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) is responsible for implementing the final response action at the Rocky Flats Site, Colorado. The final response action was selected in the *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit* (DOE et al. 2006), hereafter referred to as the Corrective Action Decision/Record of Decision (CAD/ROD), issued September 29, 2006, and amended September 21, 2011 (DOE et al. 2011). The Peripheral Operable Unit was transferred from DOE to the U.S. Department of the Interior in July 2007 to establish the Rocky Flats National Wildlife Refuge. DOE implements the monitoring and maintenance requirements of the CAD/ROD for the Central Operable Unit (COU) as described in the *Rocky Flats Legacy Management Agreement* (RFLMA) (CDPHE et al. 2007). The RFLMA was executed on March 14, 2007. Attachment 2 to the RFLMA has been revised since, most recently in 2018. Results of that 2018 revision were implemented beginning January 1, 2019.

RFLMA Attachment 2 specifies remedy performance standards; monitoring, inspection, and maintenance requirements; evaluation criteria for the results of monitoring and inspection; and COU remedy reporting. These requirements include environmental monitoring; maintenance of erosion controls, access controls (signs), landfill covers, and groundwater collection and treatment systems; and operation of the groundwater collection and treatment systems. The RFLMA also requires that the institutional controls (ICs), in the form of use restrictions as established in the CAD/ROD, be maintained.

This report is required in accordance with Section 7.0, "Periodic Reporting Requirements," of RFLMA Attachment 2. The purpose of this report is to inform the regulatory agencies and stakeholders of the remedy-related surveillance, monitoring, and maintenance activities conducted at the Site during the first quarter (January 1–March 31) of calendar year (CY) 2023. LM provides periodic communications through several means, including this report, web-based tools, and public meetings.

LM maintains the *Rocky Flats Site, Colorado, Site Operations Guide*, also called the Rocky Flats Site Operations Guide (RFSOG), (DOE 2021a) as the primary document to guide the work performed to satisfy the requirements of the RFLMA and to implement best management practices (BMPs) at the Site. Several other Site-specific documents provide additional details regarding the requirements described in RFLMA Attachment 2, including data evaluation protocols and all aspects of surveillance, monitoring, and maintenance activities.

Monitoring data and summaries of the monitoring and maintenance activities for past quarters are available in the quarterly reports. Extensive discussion and evaluation of the surveillance, monitoring, and maintenance activities are presented each calendar year in the annual reports of Site surveillance and maintenance activities. This report summarizes the following activities:

- Maintenance and inspection of the Present Landfill (PLF) and the Original Landfill (OLF)
- Maintenance and inspection of the groundwater collection and treatment systems
- Inspection of signs posted at the perimeter of the COU
- Erosion control and revegetation activities
- Routine water monitoring (in accordance with the RFLMA)
- Ecological monitoring

2.0 Site Operations and Maintenance

2.1 Landfills

2.1.1 Present Landfill

The PLF is inspected quarterly and after major precipitation events in accordance with the requirements of the *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan, U.S. Department of Energy Rocky Flats, Colorado, Site* (DOE 2014) and Attachment 2 of the RFLMA (CDPHE et al. 2007).

The PLF quarterly inspection for the first quarter of CY 2023 was conducted on February 21, 2023. No issues were identified during this inspection. Copies of the landfill inspection forms and reports are presented in Appendix A.

2.1.2 Original Landfill

The OLF is inspected monthly and following major precipitation events in accordance with requirements in the *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan* (DOE 2009) and Attachment 2 of the RFLMA (CDPHE et al. 2007). The design features installed as part of the OLF Slope Stabilization Project in 2019 and 2020 are expected to provide long-term stability to areas of the landfill that were prone to movement in the past. At a minimum, monthly inspections of the OLF will continue until a reduction in inspection frequency is established through the RFLMA consultative process. In addition to the RFLMA-required inspections, the OLF is walked down weekly as a best management practice (BMP).

2.1.2.1 Inspection Results

The OLF monthly inspections for the first quarter of CY 2023 were conducted on January 17, February 21, and March 23, 2023. No issues were observed during these inspections. Copies of the landfill inspection forms and reports are presented in Appendix A.

Seeps at the OLF are observed during monthly and weather-related inspections. Historical seep locations 2/3, 5, 6, 8A, 8C, 9, and 10 have been dry since the stabilization effort was completed. Seep locations 1 and 8 had flows or moisture generally consistent with that of previous first quarter inspections. Seep locations 4, 7, and 8B had less moisture than that of previous first quarter inspections. Estimates for individual seep flow rates are included in the monthly OLF inspection reports (Appendix A).

2.1.2.2 Settlement Monuments

The settlement monuments at the OLF are surveyed quarterly in accordance with the RFLMA. The CY 2023 first quarter survey was performed on March 6, 2023. Survey data indicate that vertical settling at each monument is within the calculated settlements specified in Figure 3-1 of the *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan* (DOE 2009). The survey results are presented in Appendix A.

2.2 COU Inspections

In accordance with the RFLMA, the COU is inspected for significant erosion annually and following major precipitation events. Particular attention is paid to areas near remaining subsurface features (e.g., former buildings, ash pits, and trenches). Additional inspections are conducted quarterly as a BMP, focusing on the areas of former Buildings 371, 771, 881, and 991, as well as the Ash Pits and East Trenches.

The COU quarterly inspection for the first quarter of CY 2023 was conducted on March 23, 2023. There were no new depressions, sink holes, or slumping identified in former building areas, and all roads and grounds were in good condition.

2.3 North Walnut Creek Slump

The hillside east of the Solar Ponds Plume Treatment System (SPPTS) is the site of a slump that is monitored as a BMP. This feature is referred to as the North Walnut Creek Slump (NWCS). The slump block moved 0.1 foot during the first quarter of CY 2023 as indicated by the results of monthly survey monitoring of 22 locations. Observations of the North Walnut Creek hillside show that movement of approximately 4 to 6 feet along the scarp has occurred since the hillside was regraded in 2017. Soils are also heaving along the toe of the slope because of the continued movement.

In fall 2020, three inclinometers (location codes 74520, 74620, and 74720) were installed in the hillside. Since installation, inclinometer 74520, which is immediately adjacent to the eastern portion of the SPPTS groundwater collection trench, has shown near-surface movement (0-6 feet below grade), with a maximum amplitude of about 0.5 inch and movement of less than 0.125 inch down to 16 feet below grade. The inclinometer upgradient of the Interceptor Trench System Sump (ITSS), 74720, has shown near-surface movement (0 to 10 feet below grade) with a maximum amplitude of 0.66 inch and movement of 0.15 inch down to 32 feet below grade. The third inclinometer, 74620, near the ITSS, has shown variations of up to 0.3 inch in the upper 5 feet, likely caused by cycles of drying and wetting in the soils. These inclinometers continue to be monitored.

Two test pits were excavated in the first quarter of CY 2023 to investigate subsurface pipes shown as crossing the SPPTS groundwater collection trench on as-built drawings completed in early 2000. Neither pipe was located, suggesting they had been removed as a closure-related activity before the end of 2005. If the pipes had been present, the pipes and their associated utility corridor would have represented a preferential migration pathway for groundwater to flow to the slump, potentially contributing to hillside instability (see Contact Record [CR] 2022-01 for additional information).

2.4 Site Roads Maintenance

Roads are assessed as part of routine Site operations and inspections. The roads were in good condition; road repair was not necessary in the first quarter of CY 2023. Routine road maintenance is planned for June 2023.

2.5 Groundwater Treatment Systems

Four groundwater collection systems and the associated treatment facilities are monitored, operated, and maintained in accordance with requirements defined in the RFLMA and the additional implementation detail in the RFSOG. Three of these systems (Mound Site Plume Collection System [MSPCS],[1] East Trenches Plume Treatment System [ETPTS], and SPPTS) include a groundwater collection trench, which is similar to a French drain but with an impermeable membrane on the downgradient side. The fourth system, the PLF Treatment System (PLFTS), passively treats water collected from the northern and southern components of the PLF Groundwater Intercept System and the PLF seep.

2.5.1 Mound Site Plume Collection System

Routine maintenance performed at the MSPCS during the first quarter of CY 2023 included the following activities:

- Inspecting the batteries and other solar-power components
- Clearing snow from the solar panels as necessary
- Checking water levels in the collection trench and lift station
- Cleaning and calibrating water-level transducers
- Exercising valves and cleaning piping
- Checking flow rates from the collection trench and lift station
- Checking the operation of the lift station transfer pump
- Periodically transferring excess sample and purge water from the backup storage tanks to the lift station

Refer to Section 3.1.9.1 for information on water quality monitoring.

2.5.2 East Trenches Plume Treatment System

Routine maintenance at the ETPTS in the first quarter of CY 2023 included the following activities:

- Inspecting the batteries and other solar-power components
- Clearing snow from the solar panels as necessary
- Exercising valves
- Adjusting valves and controller settings to modify water-flow and airflow rates and maintaining air stripper operation
- Replacing the air stripper door and trays with clean units when required due to hard water scale deposits
- Cleaning the demister pad as necessary

[1] The MSPCS, formerly the Mound Site Plume Treatment System, no longer treats groundwater; it was reconfigured in 2016 to collect groundwater and route it to the ETPTS for treatment.

- Cleaning the influent and effluent pumps
- Checking water levels in the collection trench and influent and effluent tanks
- Cleaning and calibrating the water-level transducers
- Cleaning the airflow sensor and diffuser
- Checking and cleaning piping as needed
- Adjusting the air stripper timer control to accommodate solar charging availability

Refer to Section 3.1.9.2 for information on water quality monitoring.

2.5.3 Solar Ponds Plume Treatment System

Routine maintenance during the first quarter of CY 2023 at the SPPTS included the following activities:

- Inspecting the batteries and other solar-power components
- Clearing snow from the solar panels as necessary
- Cleaning flow meters, air release valves, pumps, and other piping components
- Cleaning and adjusting or replacing water-level transducers
- Exercising valves
- Flushing piping to clear clogs and maintain flows
- Periodically transferring water from the storage tank used for excess sample and purge water to the treatment component
- Adjusting the water depth in the nitrate treatment component to maintain a suitable residence time
- Adjusting the nutrient dose rate as appropriate to accommodate seasonal temperature changes
- Ensuring an adequate supply of the nutrient solution is on hand
- Pumping water out of the vaults as necessary

Subzero temperatures associated with several winter storms caused some components to freeze in February. The treated effluent line froze for a short time, which led to an increase in the residence time in the nitrate treatment component (i.e., water was treated for longer than necessary). Freezing does not cause problems as long as the plumbing is not damaged, and it was not in this case. Flow was restored without any related issues.

During the first quarter of CY 2023, there were extensive operations and maintenance activities related to the pilot-scale uranium treatment testing that began in November 2022. Freezing conditions were also present during this treatment testing but the tests were resumed without problem. This testing will continue into the second quarter of CY 2023. The annual report for 2023 will include more detailed discussion of this topic.

Also during this quarter, the electrical subcontractor performed additional tests and adjustments at the new solar/battery power facility installed in 2022.

Refer to Section 3.1.9.3 for information on water quality monitoring.

2.5.4 Present Landfill Treatment System

Routine maintenance during the first quarter of CY 2023 at the PLFTS included inspecting the system for potential problems, primarily by checking flow conditions. Influent piping was cleaned of biological growth using a mechanical pipe cleaner. No other issues were identified.

Refer to Section 3.1.9.4 for information on water quality monitoring.

2.6 Sign Inspection

The RFLMA requires that signs ("U.S. Department of Energy – No Trespassing") be posted at intervals around the perimeter of the COU sufficient to notify people that they are at the COU boundary. In addition, signs listing the ICs and providing contact information must be posted at COU access points. The signs are required by the remedy as physical controls, are inspected quarterly, and are maintained through repair or replacement as needed. Physical controls protect the engineered components of the remedy, including landfill covers, groundwater collection and treatment systems, and monitoring equipment, which are also inspected routinely during monitoring and maintenance activities.

In the first quarter of CY 2023, signs were inspected on February 27 and March 6, 2023. Two partially detached signs were resecured, and two signs that had fallen from the fence were reattached. Two sections of sagging fence (each approximately 10 feet long) were noted and repaired. Sign maintenance and replacement is also conducted throughout the year, as is fence repair, although the fences are not a requirement of the RFLMA.

2.7 Erosion Control and Revegetation

Monitoring and maintenance of the Site erosion control features was performed throughout the first quarter of CY 2023, including extra inspections following high-wind or precipitation events. Stakes securing the erosion wattles, matting, and GeoRidges that were loosened or displaced by high winds, precipitation, or wildlife were routinely resecured. Sediment was removed from behind wattles and GeoRidges as needed and spread in vegetated areas upgradient from the erosion controls. As required by the RFLMA ICs, erosion controls were installed and maintained for the various projects that were ongoing during the first quarter of CY 2023.

3.0 Environmental Monitoring

This section summarizes the environmental monitoring conducted in accordance with RFLMA Attachment 2 (CDPHE et al. 2007). RFLMA Attachment 2, Table 1, "Surface Water Standards," is used in conjunction with the evaluation flowcharts also found in the attachment to evaluate analytical data and determine reportable conditions. Reportable conditions, as defined in RFLMA Attachment 2, Section 6.0, "Action Determinations," require consultation between the RFLMA Parties (DOE, the Colorado Department of Public Health and Environment [CDPHE], and the U.S. Environmental Protection Agency [EPA]) to determine appropriate actions.

In this report, a condition described as "reportable" means that an analyte concentration at a surface water Point of Compliance (POC) or Point of Evaluation (POE) monitoring location has exceeded a RFLMA Table 1 water quality standard consistent with the evaluation flowcharts in Attachment 2 of the RFLMA. This term can also be applied to groundwater monitoring wells classified as Area of Concern (AOC) wells, also described in the flowcharts in Attachment 2 of the RFLMA. DOE is required to inform the RFLMA Parties and the public of a reportable condition within 15 days of receiving validated data. Within 30 days of receiving validated data, DOE is required to submit a plan and schedule to the regulatory agencies for an evaluation to address the occurrence.

In this report, plutonium (Pu) refers to plutonium-239, 240 or $^{239}Pu + ^{240}Pu$; americium (Am) refers to americium-241 or ^{241}Am; and nitrate refers to nitrate + nitrite as nitrogen (N). In addition, the terms "activity" and "concentration" are used interchangeably for both Pu and Am to represent the amount of radioactivity or radioactive material per unit of water (e.g., picocuries per liter [pCi/L]).

3.1 Water Monitoring

This section includes:

- A discussion of the routine analytical results for the POC, POE, PLF, and OLF surface water monitoring objectives and identification of any reportable conditions.
- Summaries of the routine groundwater monitoring at AOC wells, Sentinel wells, Evaluation wells, and Resource Conservation and Recovery Act (RCRA) wells; treatment system and associated performance monitoring; and Surface Water Support monitoring at the Site.

RFLMA Attachment 2 and the RFSOG offer details about the monitoring locations, sampling criteria, and evaluation protocols for the water monitoring objectives mentioned in the following sections. Appendix B of this report provides analytical water quality data for the first quarter of CY 2023. The annual report for 2023 will provide a more detailed interpretation and discussion of the water quality data.

3.1.1 Water Monitoring Highlights

During the first quarter of CY 2023, water monitoring met the targeted monitoring objectives required by the RFLMA. The routine RFLMA network consists of 8 automated gaging stations, 11 surface water grab sampling locations, 7 groundwater treatment system locations, and 88 groundwater monitoring locations. Additional locations are occasionally sampled in support

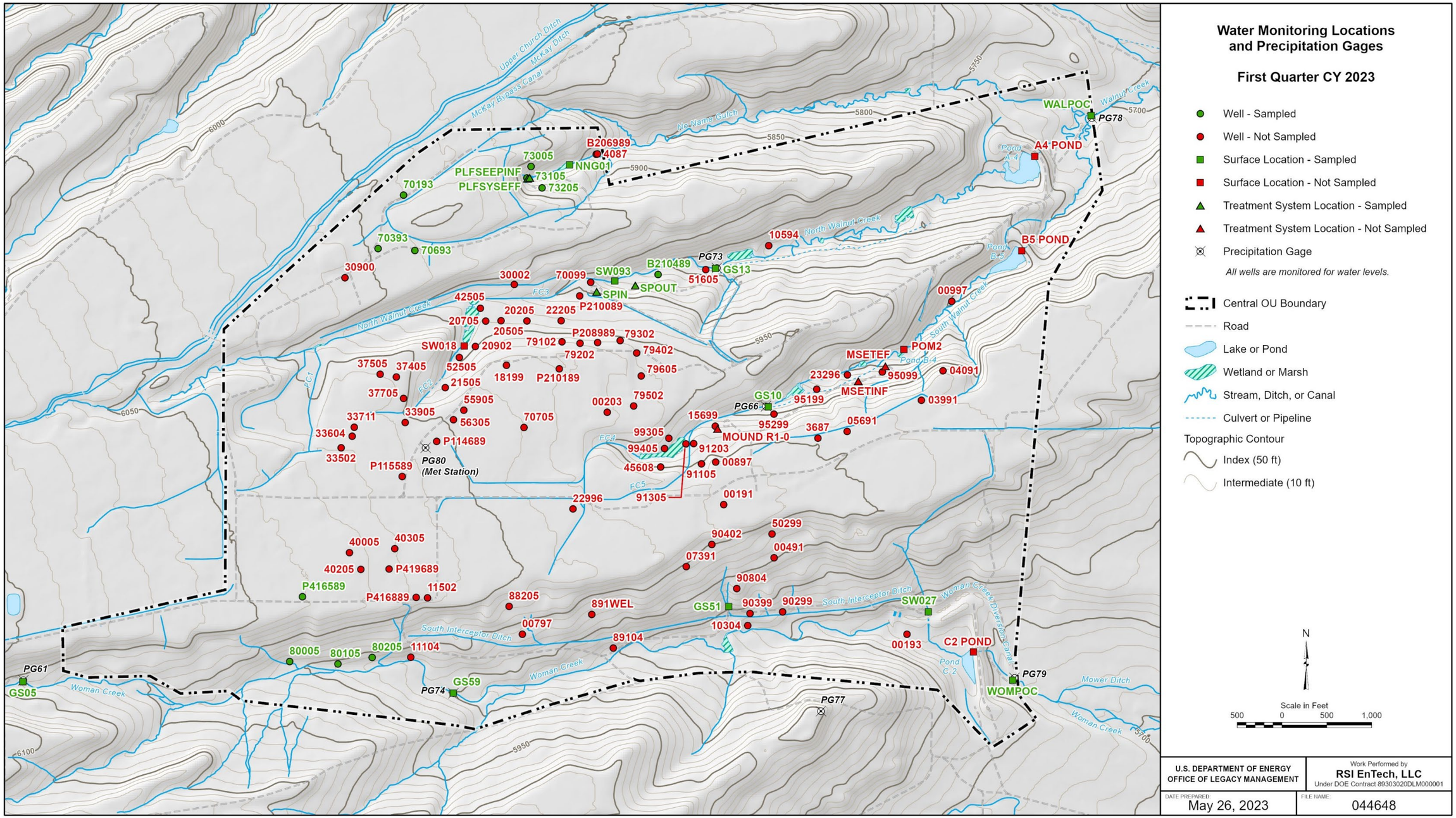
of investigations in response to reportable conditions. During the first quarter, 11 flow-paced, composite surface water samples; 18 surface water grab samples; 13 treatment system grab samples; and 11 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analysis.[2] Figure 1 shows the monitoring locations sampled during the first quarter of CY 2023.

A reportable condition at POE GS10 for the uranium 12-month rolling average was determined upon receipt of recently validated analytical results. Validated results were received on May 9, 2023, with formal notification to regulators and stakeholders made on May 17, 2023. The RFLMA Parties (DOE, CDPHE, and EPA) held a consultation regarding this reportable condition on June 8, 2023. Once finalized, the plan and path forward will be described in a contact record that will be posted on the Rocky Flats website. See Section 3.1.3.1 for a detailed discussion.

All other analyte concentrations at POE locations GS10, SW027, and SW093 remained below reportable condition levels during the first quarter of CY 2023.

All analyte concentrations at POC locations WALPOC and WOMPOC also remained below reportable condition levels during the first quarter.

[2] Composite samples consist of multiple aliquots ("grabs") of identical volume. Each grab is delivered by the automatic sampler to the composite container at each predetermined flow volume or time interval. During the first quarter of CY 2023, the 11 flow-paced composites comprised 655 individual grabs.



Abbreviations: ft = feet, OU = Operable Unit

Figure 1. Rocky Flats Site Water Monitoring Locations and Precipitation Gages

3.1.2 POC Monitoring

The following sections include summary tables and plots showing the applicable 30-day and 12-month rolling averages for the POC analytes.

3.1.2.1 Monitoring Location WALPOC

Monitoring location WALPOC is on Walnut Creek at the eastern COU boundary. There was no flow at WALPOC during the first quarter of CY 2023. Figure 2 through Figure 7 show 30-day and 12-month rolling averages for Am, Pu, uranium, and nitrate. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.

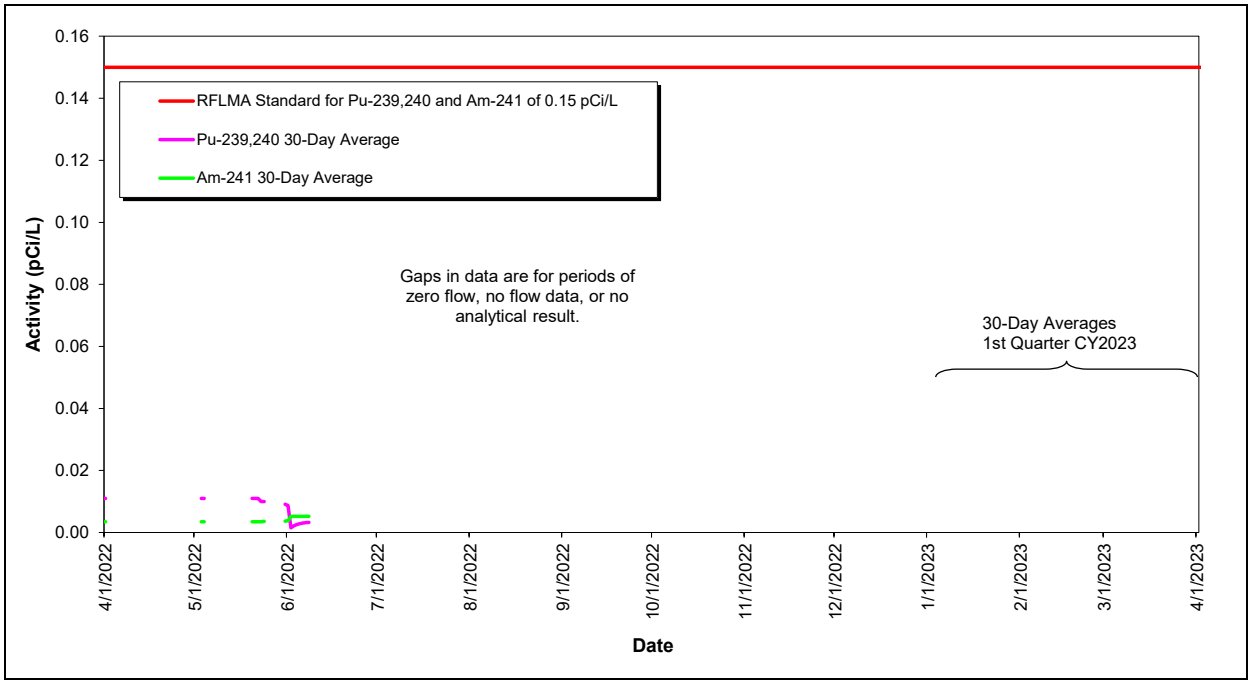


Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WALPOC: Year Ending First Quarter 2023

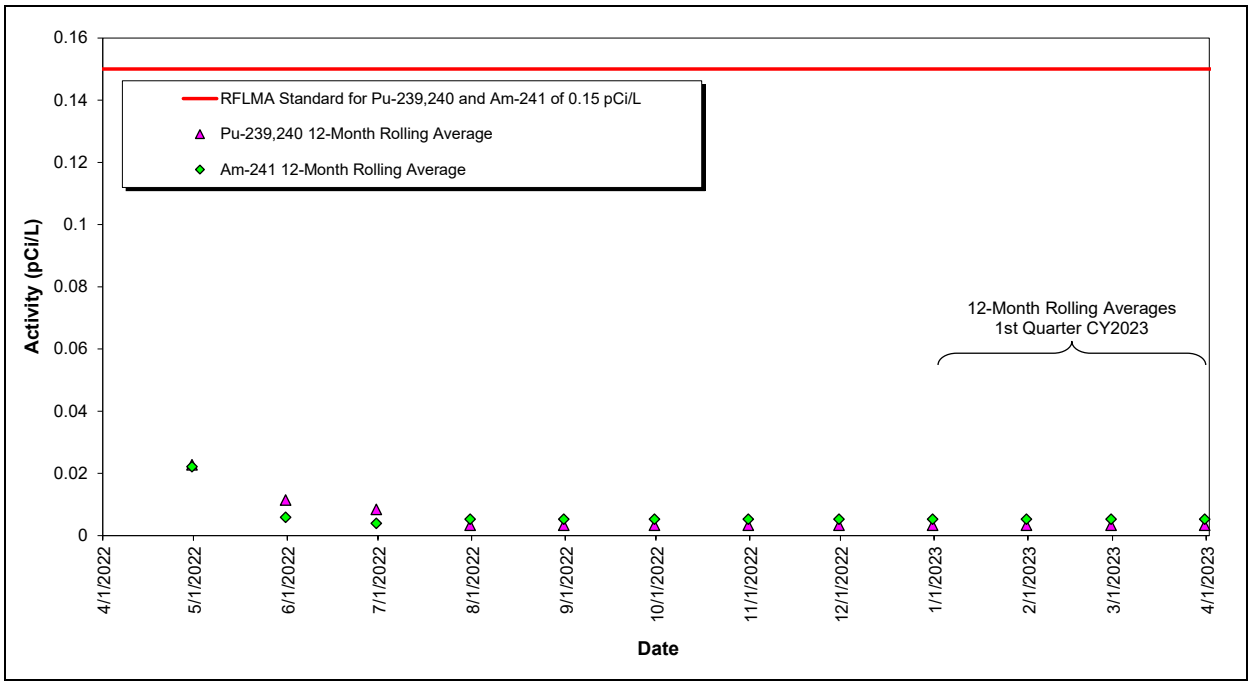
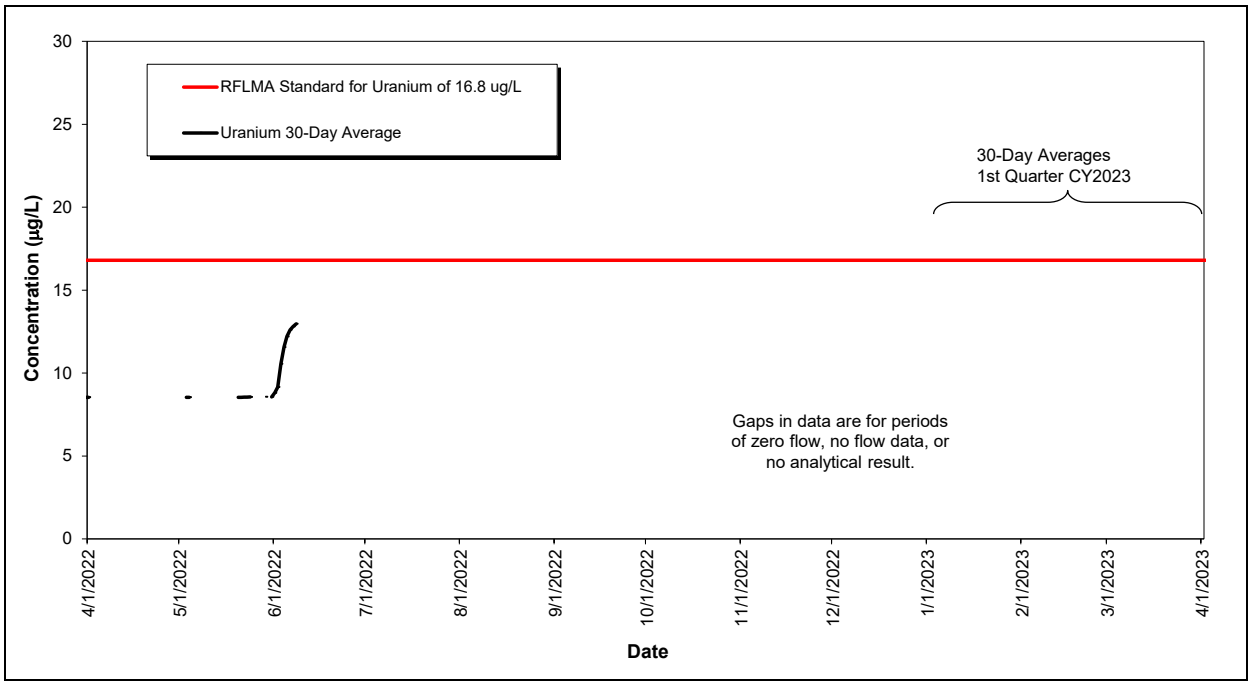
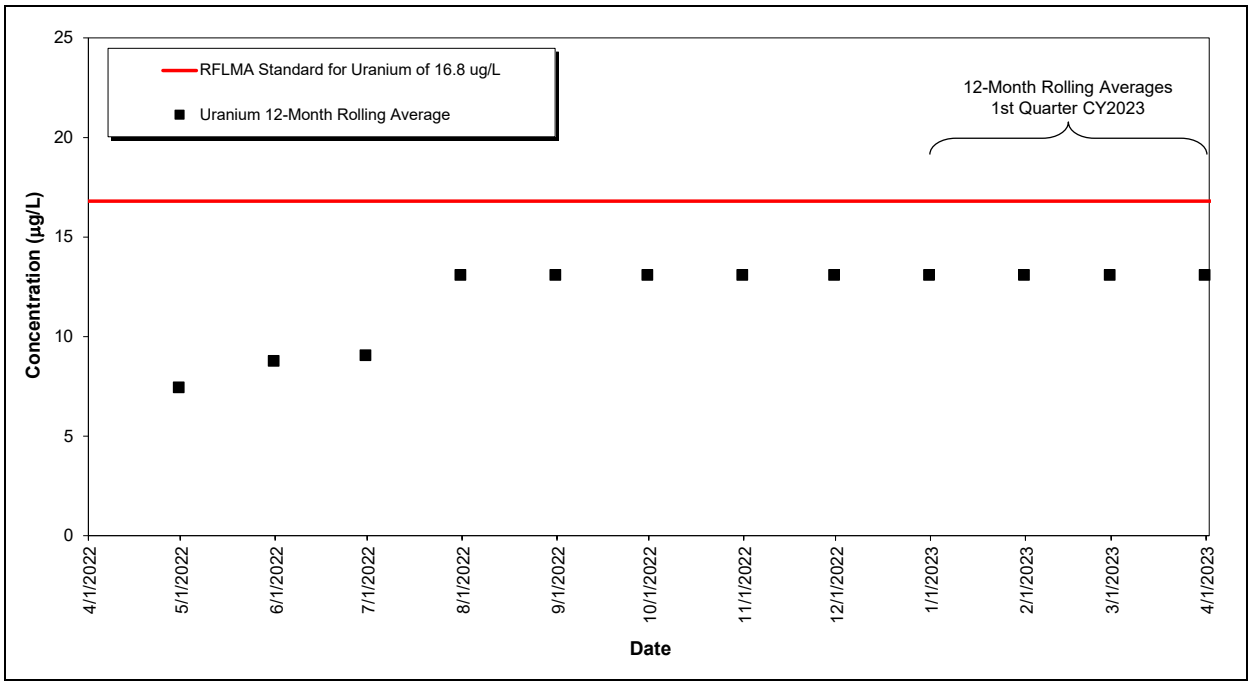


Figure 3. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WALPOC: Year Ending First Quarter 2023



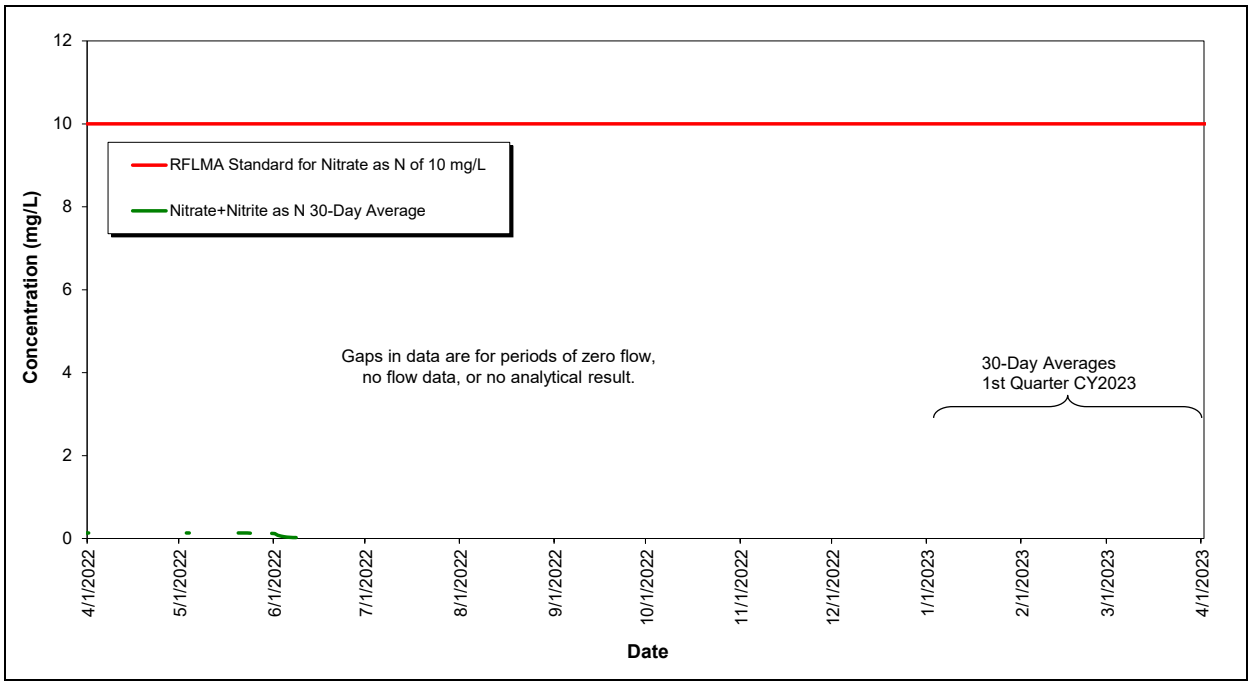
Abbreviation: µg/L = micrograms per liter

Figure 4. Volume-Weighted 30-Day Average Uranium Concentrations at WALPOC: Year Ending First Quarter 2023



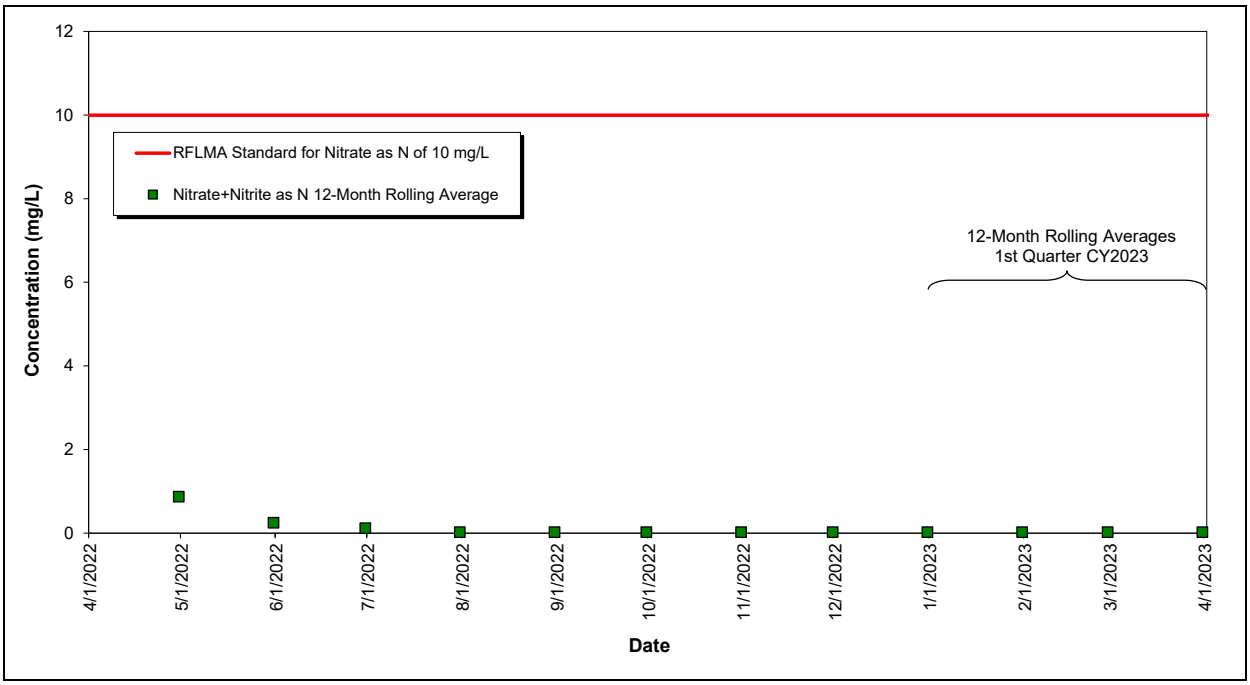
Abbreviation: µg/L = micrograms per liter

Figure 5. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WALPOC: Year Ending First Quarter 2023



Abbreviation: mg/L = milligrams per liter

Figure 6. Volume-Weighted 30-Day Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending First Quarter 2023



Abbreviation: mg/L = milligrams per liter

Figure 7. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at WALPOC: Year Ending First Quarter 2023

3.1.2.2 Monitoring Location WOMPOC

Monitoring location WOMPOC is on Woman Creek at the eastern COU boundary. Figure 8 through Figure 11 show no occurrences of a reportable condition for 30-day or 12-month rolling averages through March 31, 2023, for Am, Pu, or uranium. The methods for calculating the 30-day and 12-month rolling averages are detailed in the annual report.

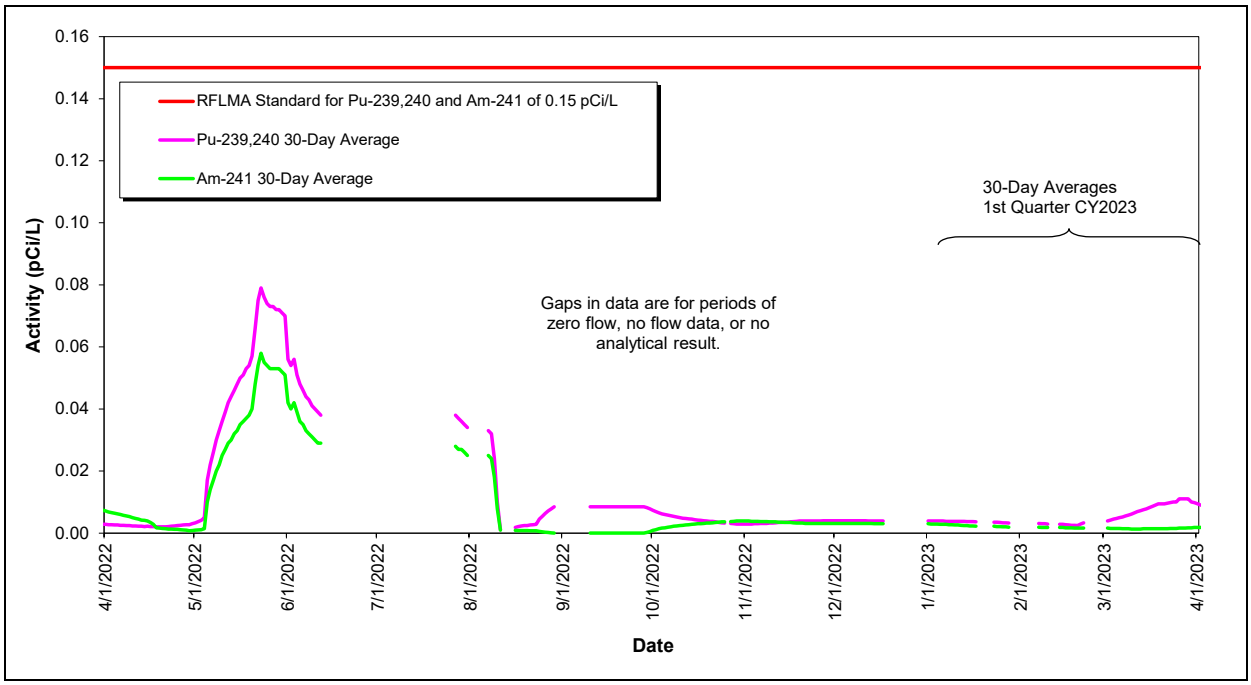


Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at WOMPOC: Year Ending First Quarter 2023

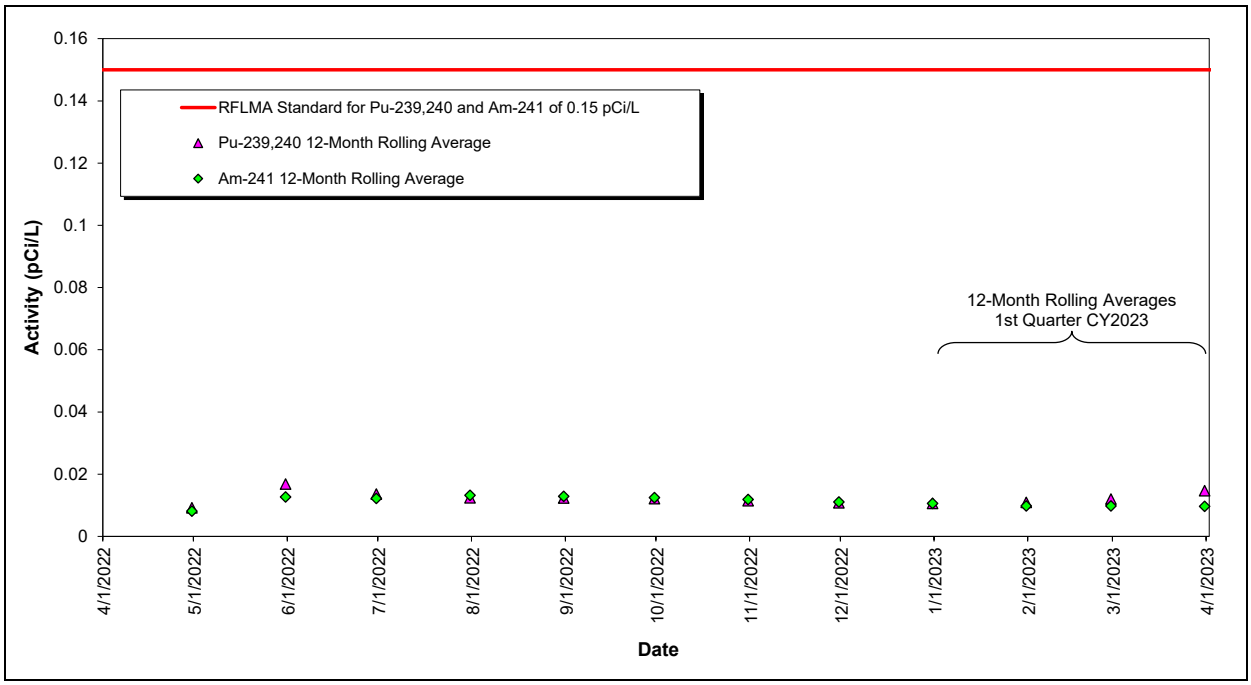
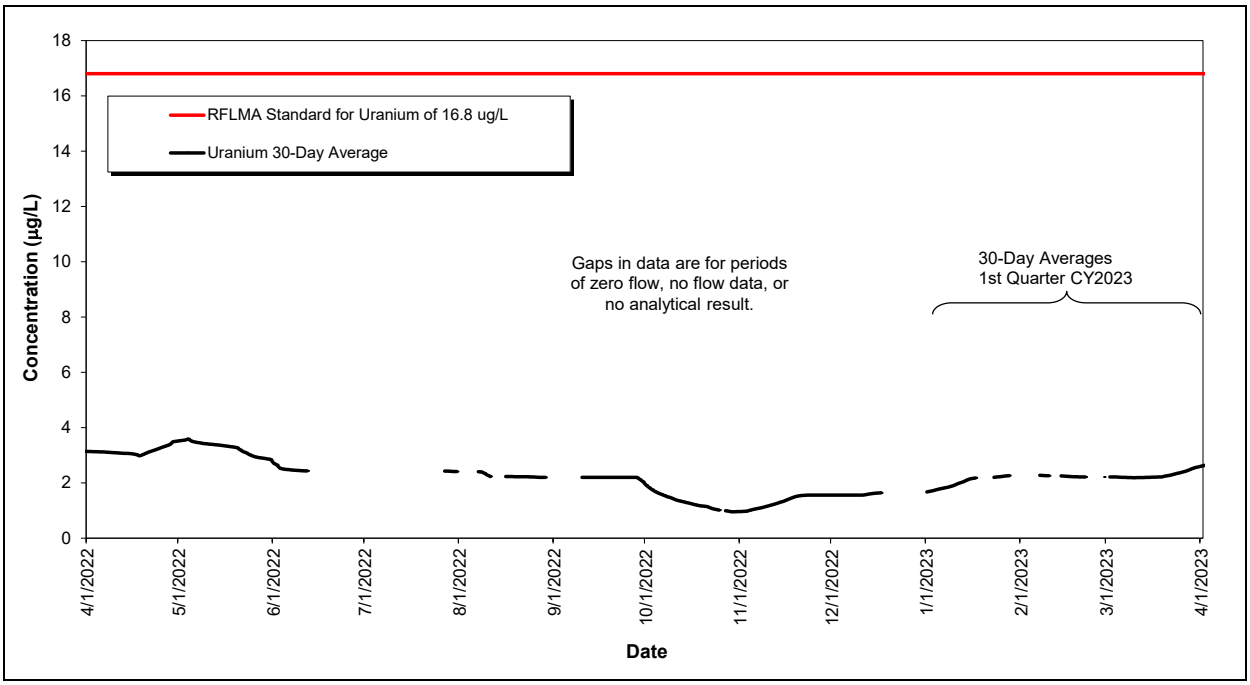
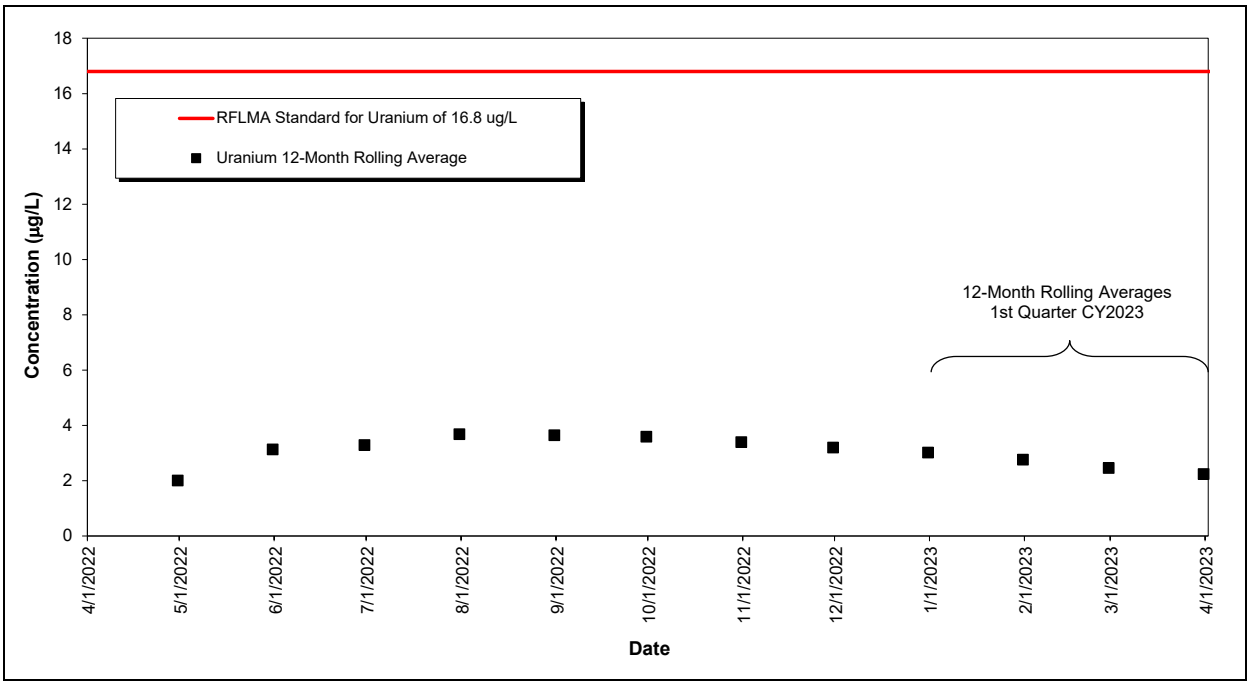


Figure 9. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at WOMPOC: Year Ending First Quarter 2023



Abbreviation: µg/L = micrograms per liter

Figure 10. Volume-Weighted 30-Day Average Uranium Concentrations at WOMPOC: Year Ending First Quarter 2023



Abbreviation: µg/L = micrograms per liter

Figure 11. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at WOMPOC: Year Ending First Quarter 2023

3.1.3 POE Monitoring

The following sections include summary plots showing the applicable 12-month rolling averages for the POE analytes.

3.1.3.1 Monitoring Location GS10

Monitoring location GS10 is on South Walnut Creek just upstream of the B-Series ponds. Figure 12 shows no occurrences of a reportable condition for Am or Pu. The method for calculating the 12-month rolling averages is detailed in the annual report.

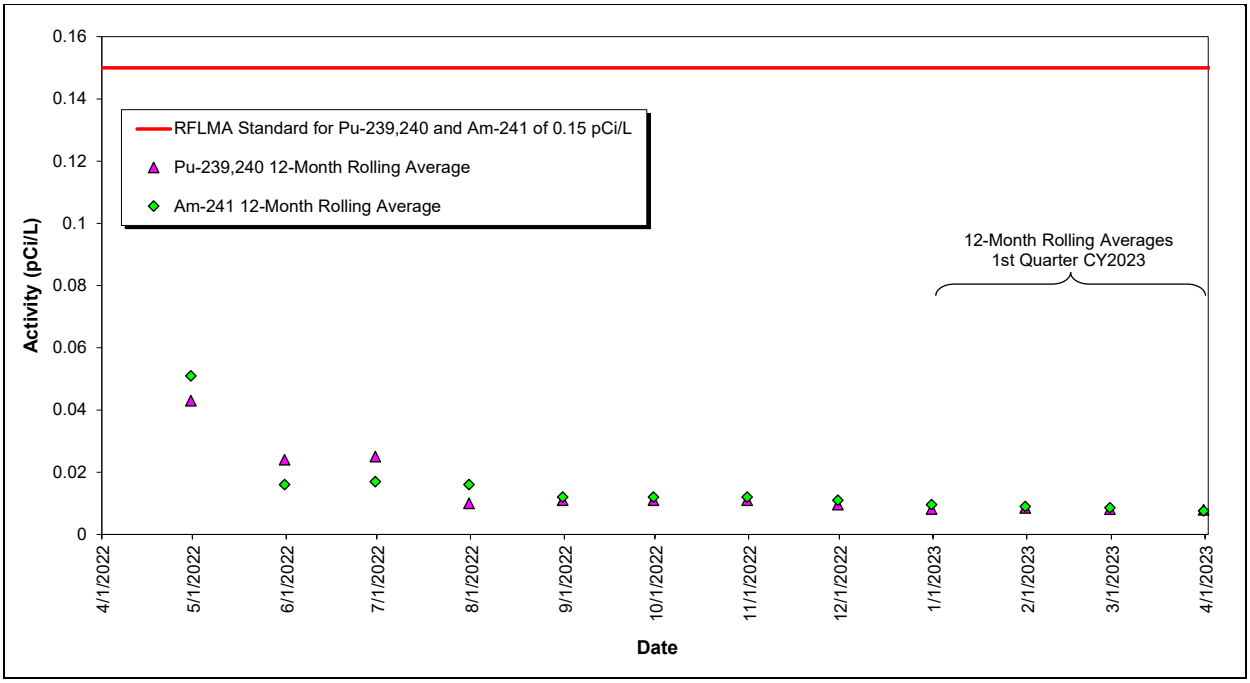


Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10: Year Ending First Quarter 2023

Figure 13 shows a reportable condition at GS10 for the uranium 12-month rolling average starting on March 31, 2023. This reportable condition was determined upon receipt of validated analytical results for uranium from the composite sample collected during the period January 23, 2023, to April 10, 2023; the uranium concentration was 24.9 micrograms per liter (µg/L). Validated results were received on May 9, 2023. Formal notification to regulators and stakeholders was made on May 17, 2023.

The evaluation was performed in accordance with RFLMA Attachment 2, Figure 6, Points of Evaluation, which resulted in a calculated 12-month rolling average concentration for uranium on March 31, 2023, of 18.4 µg/L. This concentration exceeds the applicable RFLMA Attachment 2, Table 1, standard of 16.8 µg/L. This 12-month rolling average includes sample results for the period of April 1, 2022, through March 31, 2023.[3]

[3] The 12-month rolling average is calculated for the last day of each month. Twelve average values are calculated and evaluated each year.

The RFLMA Parties (DOE, CDPHE, and EPA) held a consultation regarding this reportable condition on June 8, 2023. Once finalized, the plan and path forward will be described in a contact record that will be posted on the Rocky Flats website.

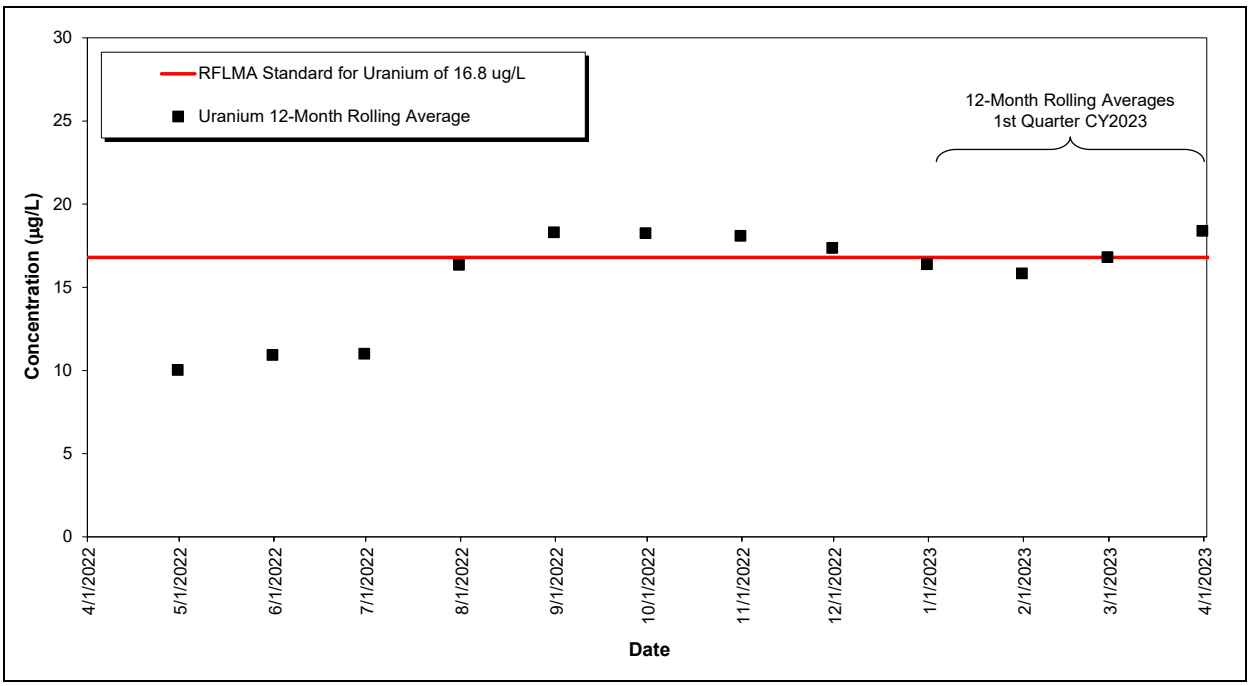


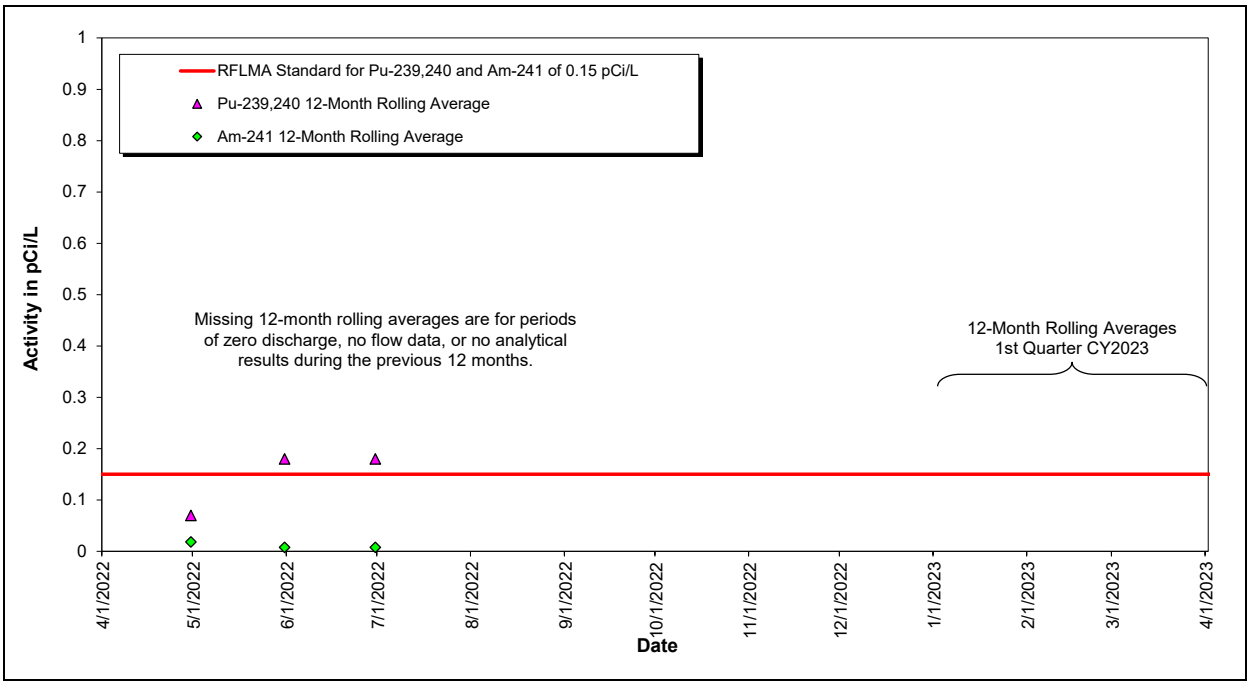
Figure 13. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at GS10: Year Ending First Quarter 2023

3.1.3.2 Monitoring Location SW027

Monitoring location SW027 is at the downstream end of the South Interceptor Ditch at the inlet to Pond C-2. Since there was no flow during the first quarter of CY 2023, and the last flow occurred in July 2021, no water samples have been collected for more than 12 months. Therefore, there are no 12-month rolling averages for Am, Pu, and uranium after June 30, 2022. The method for calculating the 12-month rolling averages is detailed in the annual report.

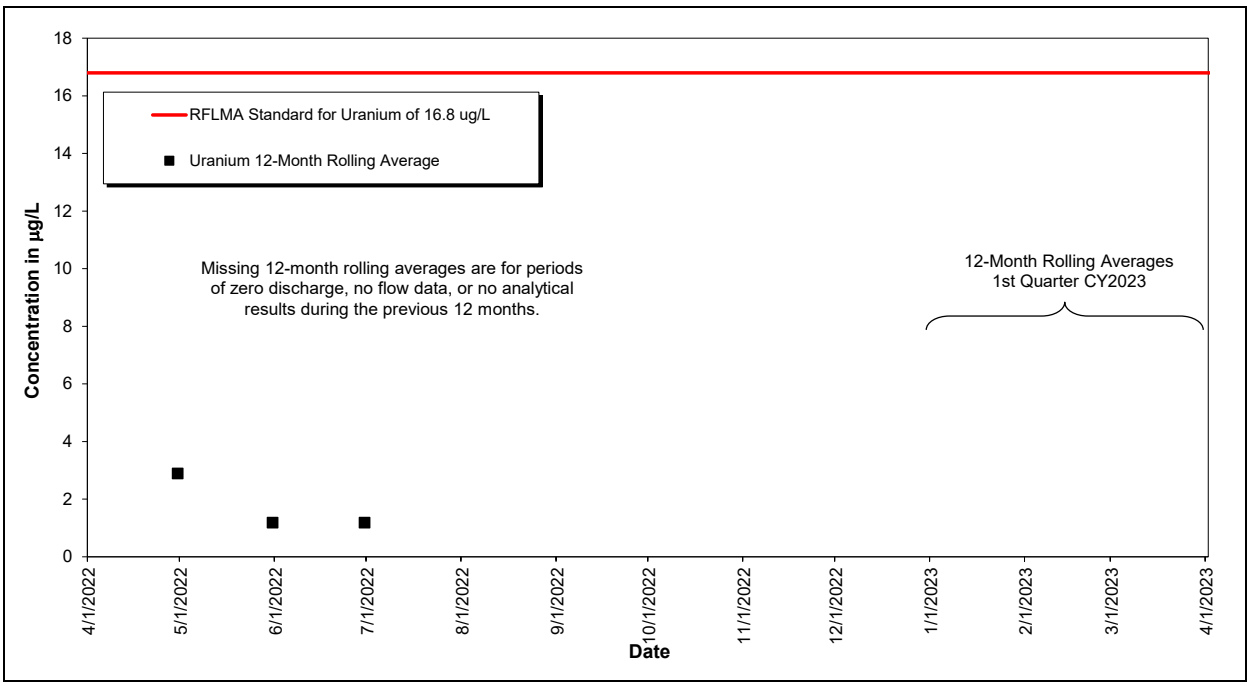
Figure 14 and Figure 15 show the averages for the 12 months ending March 31, 2023; no reportable conditions are triggered by Am and uranium concentrations. The 2022 reportable condition for Pu (Figure 14) is essentially a continuation of the 2021 reportable condition since both were caused by data collected in 2021. CR 2022-04 addresses the 2022 reportable condition for Pu; the 2021 reportable condition is addressed in CR 2021-03.

As of July 31, 2022, no flow had occurred at SW027 for more than 12 months, and no flow or analytical data were available. Therefore, with the absence of average values after July 31, 2022, Pu is no longer reportable at SW027. Regardless, response actions associated with CR 2021-03 have been implemented or are ongoing.



Note: There has been no flow at SW027 since early July 2021. Therefore, there are no 12-month rolling averages after June 30, 2022.

Figure 14. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027: Year Ending First Quarter 2023



Note: There has been no flow at SW027 since early July 2021. Therefore, there are no 12-month rolling averages after June 30, 2022.

Figure 15. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW027: Year Ending First Quarter 2023

3.1.3.3 Monitoring Location SW093

Monitoring location SW093 is on North Walnut Creek, 1300 feet upstream of former Pond A-1. Figure 16 and Figure 17 show that there were no reportable conditions for Pu, Am, or uranium at SW093 during the first quarter of CY 2023. The method for calculating the 12-month rolling averages is detailed in the annual report.

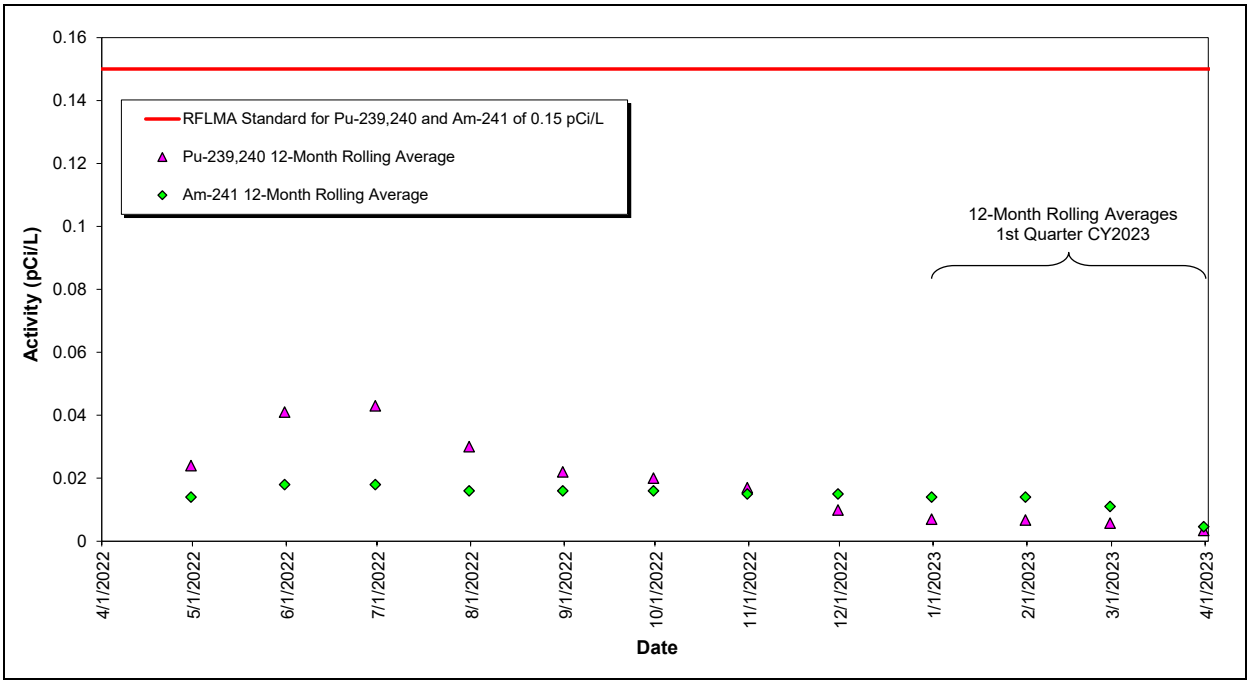


Figure 16. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Year Ending First Quarter 2023

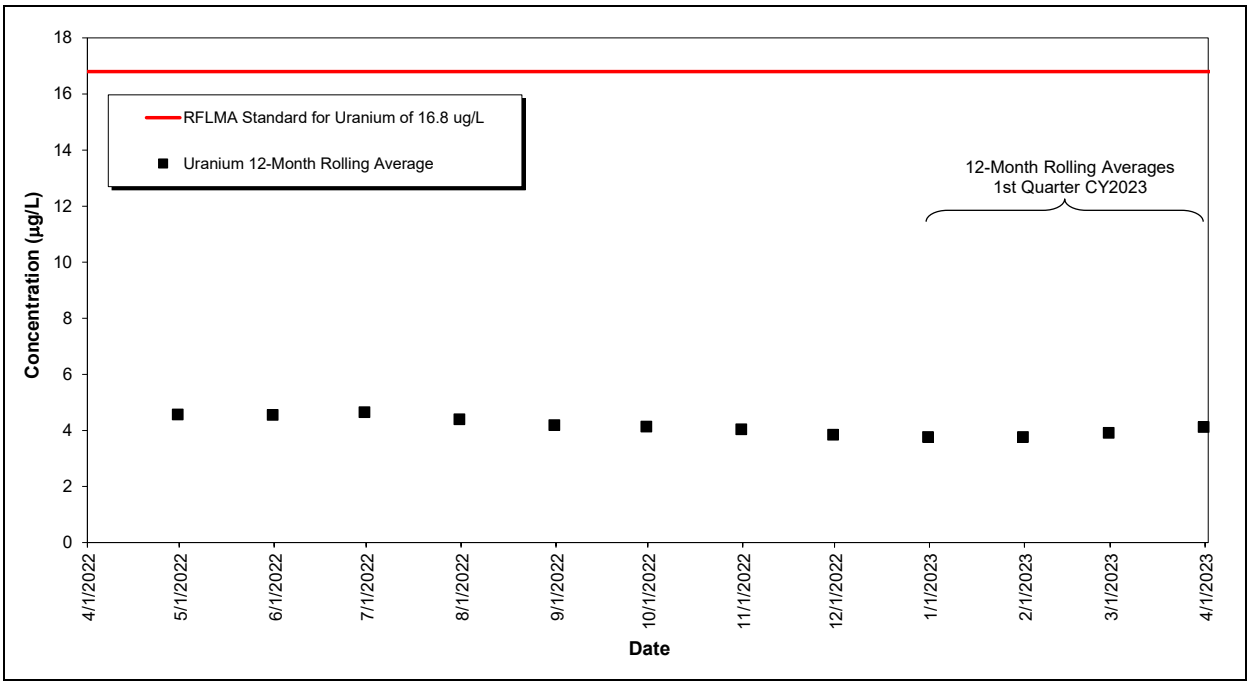


Figure 17. Volume-Weighted 12-Month Rolling Average Uranium Concentrations at SW093: Year Ending First Quarter 2023

3.1.4 AOC Wells and Surface Water Support Location SW018

Neither the AOC wells nor Surface Water Support location SW018 were scheduled for RFLMA monitoring in the first quarter of CY 2023.

3.1.5 Sentinel Wells

No Sentinel wells were scheduled for RFLMA monitoring in the first quarter of CY 2023.

3.1.6 Evaluation Wells

No Evaluation wells were scheduled for RFLMA monitoring in the first quarter of CY 2023. However, Evaluation well B210489 was sampled to support consideration of its replacement, in case that is deemed necessary due to encroachment of the NWCS. The annual report for 2023 will provide additional discussion of this topic.

3.1.7 PLF Monitoring

The six RCRA wells at the PLF were scheduled for RFLMA monitoring during the first quarter of CY 2023. Analytical results (Appendix B) were generally consistent with previous data. Additional discussion and statistical evaluation will be provided in the annual report for 2023. Section 3.1.9.4 discusses monitoring at the PLFTS.

3.1.8 OLF Monitoring

The four RCRA wells at the OLF were scheduled for RFLMA monitoring during the first quarter of CY 2023. Analytical results (Appendix B) were generally consistent with previous data. Additional discussion and statistical evaluation will be provided in the annual report for 2023.

During the first quarter of CY 2023, when routine surface water sampling was performed in Woman Creek downstream of the OLF (location GS59), the mean concentrations for all analytes were below the applicable surface water standards.

3.1.9 Groundwater Treatment System Monitoring

As described in Section 2.5, contaminated groundwater is intercepted and treated by the onsite groundwater treatment systems. The MSPCS,[4] ETPTS, and SPPTS each include a groundwater intercept trench. The PLFTS treats groundwater from the northern and southern components of the Groundwater Intercept System and groundwater that discharges from the PLF seep.

3.1.9.1 Mound Site Plume Collection System

No MSPCS monitoring locations were scheduled for RFLMA monitoring in the first quarter of CY 2023.

3.1.9.2 East Trenches Plume Treatment System

No ETPTS monitoring locations were scheduled for RFLMA monitoring in the first quarter of CY 2023.

3.1.9.3 Solar Ponds Plume Treatment System

No SPPTS monitoring locations were scheduled for RFLMA monitoring in the first quarter of CY 2023.

Additional nonroutine samples were collected at the SPPTS during the first quarter of CY 2023 to support the *Surface Water Configuration Adaptive Management Plan for the Rocky Flats, Colorado, Site*, also called the Adaptive Management Plan (DOE 2021c). Further discussion will be provided in the Adaptive Management Plan annual report for 2023. Data were also collected to support development of a full-scale uranium treatment component for the SPPTS, which will be discussed in the 2023 annual report.

3.1.9.4 Present Landfill Treatment System

During collection of the first quarter CY 2023 samples from the PLFTS, the seep influent flow rate was measured at 1.3 gallons per minute. The routine RFLMA quarterly effluent sample was collected on January 12, 2023. All analyte concentrations in the effluent sample were below the RFLMA standards.

[4] The MSPCS is discussed in this section for consistency and convenience, even though treatment is no longer performed here.

3.1.10 Predischarge Monitoring

No predischarge samples were collected from Ponds A-4, B-5, or C-2 during the first quarter of CY 2023. All three ponds were continuously operated in a flow-through configuration.

4.0 Adverse Biological Conditions

No evidence of adverse biological conditions (e.g., unexpected mortality or morbidity) was observed during monitoring and maintenance activities in the first quarter of CY 2023.

5.0 Ecological Monitoring

During the first quarter of CY 2023, few ecological field activities were conducted because it was winter. Revegetation occurred at exploratory test pits dug in the NWCS area. Vegetation enhancement actives included interseeding native grasses in areas that had low vegetation growth and adding native shrub seed to enhance vegetation diversity. Wildlife-related activities consisted of observing the elk population, adding wildlife crossings to facilitate wildlife movement, and checking for the presence of black-tailed prairie dogs.

No active prairie dog towns were observed within the Site boundaries; however, prairie dog activity was noted both northeast and southeast of the Site boundaries. Two individual black-tailed prairie dogs (*Cynomys ludovicianus*) were noted outside the COU, south of the C-2 Pond. Numerous black-tailed prairie dogs and burrows were noted to the northeast of the COU, south of Highway 128 near the Rocky Flats National Wildlife Refuge parking lot where prairie dog relocations have been taking place.

More details on ecological monitoring and land management activities will be provided in the annual report for CY 2023.

6.0 References

CDPHE (Colorado Department of Public Health and Environment), DOE (U.S. Department of Energy), and EPA (U.S. Environmental Protection Agency), 2007. *Rocky Flats Legacy Management Agreement*, executed on March 14, Attachment 2 updated December 2018.

DOE (U.S. Department of Energy), 2009. *Rocky Flats Site Original Landfill Monitoring and Maintenance Plan*, LMS/RFS/S05516, Office of Legacy Management, September.

DOE (U.S. Department of Energy), 2014. *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan, U.S. Department of Energy Rocky Flats, Colorado, Site*, LMS/RFS/S03965, Office of Legacy Management, December.

DOE (U.S. Department of Energy), 2021a. *Rocky Flats Site, Colorado, Site Operations Guide*, LMS/RFS/S03037, Office of Legacy Management, December.

DOE (U.S. Department of Energy), 2021b. *Surface Water Configuration Adaptive Management Plan for the Rocky Flats, Colorado, Site*, LMS/RFS/S07698, Office of Legacy Management, December.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2006. *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit*, EPA/541/R-06/197, September 29, amended September 21, 2011.

DOE (U.S. Department of Energy), EPA (U.S. Environmental Protection Agency), and CDPHE (Colorado Department of Public Health and Environment), 2011. *Corrective Action Decision/Record of Decision Amendment for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit,* September 21.

Appendix A

Landfill Inspection Forms and Survey Data, First Quarter 2023

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 1/17/23 Time: 1020

Precipitation: MET* 1.32 inches NREL* NA Weather: Overcast, 36°F Report Type: ☒ Monthly ☐ Weather-related

Reviewed by: APRIL TISCHER (Affiliate) 2023.01.26 12:53:13 -07'00' Review date:

*Since last report

Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	NO	NO	NA	
Berm 1 Basin - East	NO	NO	NO		
Berm 2 Basin	NO	NO	NO		
Berm 3 Basin	NO	NO	NO		
Berm 4 Basin	NO	NO	NO		
Berm 5 Basin	NO	NO	NO		
Berm 6 Basin	NO	NO	NO		
Berm 7 Basin	NO	NO	NO		
Buttress fill	NO	NO	NO		

Settlement monuments—inspect integrity. Intact: YES

Maintenance required, comments, and photo log:

Up to 4 inches of snow remain in berm channels and shaded areas (from 12/28/22 precip [~9 in.] and scattered precip in early January.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability				
Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover– West	NO	NO *	NO	* Entire cover wet from snowmelt.
Cover– East	NO	NO *	NO	* " " " " "
Buttress fill side slope	NO	NO	NO	
West perimeter channel side slopes	NO	NO	NO	
East perimeter channel side slopes	NO	NO	NO	
Maintenance required, comments, and photo log: No issues.				

Soil Cover and Buttress				
Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover– West	NO	NO	NO	
Cover– East	NO	NO	NO	
Buttress fill	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	
Maintenance required, comments, and photo log: No issues.				

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation				
Seep	**Visible Saturation**	**Visible Flow**	**Approximate Flow**	**Description**
Seep 1*	YES	NO		
Seep 2/3*	YES	NO		
Seep 4*	YES	NO		
Seep 5*	YES	NO		
Seep 6*	YES	NO		
Seep 7*	YES	NO		
Seep 8a	YES	NO		
Seep 8b	YES	NO		
Seep 8c	YES	NO		
Seep 9	YES	NO		
Seep 10	YES	NO		
Seep 10a	NA	NA	NA	Not an official seep. See NOTE below
Seep 8	YES	YES	~ 1 GPM	

Maintenance required, comments, and photo log:

All seep locations have damp soils.

* Indicates seep was observed during or shortly after OLF closure in 2005.

NOTE: A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures						
Channels						
Structure	**Visible Excessive Erosion, Gullying, or Undermining**	**Visible Settlement, Subsidence, or Depressions**	**Visible Breaching or Bank Failure**	**Visible Animal Burrows**	**Visible Sediment Build-Up or Other Blockage**	**Comments**
Diversion Berm 1	NO	NO	NO	NO	NO	
Diversion Berm 2	NO	NO	NO	NO	NO	
Diversion Berm 3	NO	NO	NO	NO	NO	
Diversion Berm 4	NO	NO	NO	NO	NO	
Diversion Berm 5	NO	NO	NO	NO	NO	
Diversion Berm 6	NO	NO	NO	NO	NO	
Diversion Berm 7	NO	NO	NO	NO	NO	
West perimeter channel	NO	NO	NO	NO	NO	
East perimeter channel	NO	NO	NO	NO	NO	

Drains/Outfalls				
Structure	**Visible Excessive Erosion, or Gullying**	**Visible Sediment Build-Up or Other Blockage**	**Is Water Draining or Flowing from Structure?**	**Comments**
East Subsurface Drain – Solid pipe	NO	NO	NO	
East Subsurface Drain – Perforated pipe	NO	NO	YES *	* Flow concealed by snow.
French Drain (SID)	NO	NO	YES *	* Flow concealed by snow.

Maintenance required and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

"Run-On" Control		
Area	**Adversely Affecting OLF**	**Comments**
Run-on to the OLF (any direction)	No	
Maintenance required and photo log:		
No issues.		

Violations of Institutional Controls		
Item		**Comments**
Evidence of unauthorized[1] excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized[1] construction of roads, trails, or buildings on cover?	No	
Evidence of unauthorized[1] drilling of wells or use of groundwater?	NO	
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	No	
Other observations, maintenance required, comments, and photo log:		
No issues.		
If "Yes" is marked on any item in the Institutional Controls section, immediately notify your supervisor.		

[1] Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	**Action**	**Date Completed**	**Comments**
None	NA	NA	

Signatures

Inspector signature: _____ Date: 1/17/2023

Reviewer signature: _____ APRIL TISCHER (Affiliate) 2023.01.26 12:54:08 -07'00' Date: _____

Attachment 1: January 2023 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on January 17, 2023. The weather was overcast with an ambient temperature of 36 °F during the inspection. The Rocky Flats Site meteorological tower recorded 1.33 inches of precipitation between this inspection and the previous monthly inspection performed on December 19, 2022.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on inspection forms that have since been repaired are not marked again on the form unless further action is required.

Figure 1 provides an aerial view of the OLF hillside with the approximate locations of the report photographs (the photographs in **Figure 2** through **Figure 8** were taken on January 17, 2023).

No issues were noted during the inspection. Snow remained in channels and shaded areas as a result of a December 28 snowstorm of approximately 9 inches. Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**) were in good condition. The East Perimeter Channel (EPC) was in good condition (**Figure 4**). The West Perimeter Channel (WPC) was in good condition (**Figure 5**).

The Seep 8 location (**Figure 6**) had a flow of approximately 1 gallon per minute (gpm). All other historical seep locations had damp soils due to ongoing snowmelt.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 7**). No issues were noted with the South Interceptor Ditch (SID) (**Figure 8**), which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. Flow rates could not be estimated due to snow cover.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE-LM/1497-2007, LMS/RFS/S03416)[1] and under sitewide vegetation and revegetation plans, as appropriate. Established vegetation is visible across the hillside areas that were reseeded after the stabilization effort in 2019–2020.

Summary of January 2023 Inspection Findings

No new issues were noted. Snow remained in channels and shaded areas as a result of December precipitation. The EPC was in good condition. The WPC was in good condition. The Seep 8 location had a flow of approximately 1 gpm. All other historical seep locations had damp soils due to ongoing snowmelt. No issues were noted with the ESSD. No issues were noted with the SID, which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside. Flow rates could not be estimated due to snow cover.

[1] *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, LMS/RFS/S03416, continually updated, prepared by the LMS contractor for the U.S. Department of Energy Office of Legacy Management.

Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 15, 2022)

Figure 2. Looking Southeast at Berms 1–3, Which Were in Good Condition

Figure 3. Looking Southeast at Berms 4–7, Which Were in Good Condition

Figure 4. Looking Southwest at the EPC, Which Was in Good Condition

Figure 5. Looking South-Southeast at the WPC, Which Was in Good Condition

Figure 6. Looking South-Southwest at Seep 8 and the Surrounding Area, Which Had a Flow of Approximately 1 gpm

Figure 7. Looking West-Northwest at the ESSD and the Surrounding Area, Which Was in Good Condition

Figure 8. Looking East-Northeast at the SID, Which Receives Groundwater from the ESSD Outfall and an Interceptor Drain on the Eastern Hillside

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 2/21/23 Time: 1000

Precipitation: MET* 0.52 inch NREL* NA Weather: Partly Cloudy, 59°F Report Type: ☐ Monthly ☐ Weather-related

Reviewed by: apr for APRIL TISCHER (Affiliate) 2023.02.27 08:13:18 -07'00' Review date:

*Since last report

Subsidence/Consolidation

Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	NO	NO	NA	
Berm 1 Basin - East	NO	NO	NO	↓	
Berm 2 Basin	NO	NO	NO		
Berm 3 Basin	NO	NO	NO		
Berm 4 Basin	NO	NO	NO		
Berm 5 Basin	NO	NO	NO		
Berm 6 Basin	NO	NO	NO		
Berm 7 Basin	NO	NO	NO		
Buttress fill	NO	NO	NO		

Settlement monuments—inspect integrity. Intact: YES

Maintenance required, comments, and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability				
Region	**Visible Cracks**	**Visible Seeps**	**Visible Block or Circular Failure**	**Other (Describe Below)**
Cover– West	NO	YES	NO	Seeps 4 and 7
Cover– East	NO	NO	NO	East seeps off cover
Buttress fill side slope	NO	NO	NO	
West perimeter channel side slopes	NO	NO	NO	
East perimeter channel side slopes	NO	NO	NO	

Maintenance required, comments, and photo log:

No issues.

Soil Cover and Buttress				
Region	**Visible Erosion**	**Visible Gullies**	**Visible Animal Burrows**	**Other (Describe Below)**
Cover– West	NO	NO	NO	
Cover– East	NO	NO	NO	
Buttress fill	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	

Maintenance required, comments, and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation				
Seep	**Visible Saturation**	**Visible Flow**	**Approximate Flow**	**Description**
Seep 1*	NO			
Seep 2/3*	NO			
Seep 4*	YES	NO		
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	NO		
Seep 8a	NO			
Seep 8b	NO			
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	See NOTE below, single-year occurrence
Seep 8	YES	YES	~ 1 GPM	

Maintenance required, comments, and photo log:

No issues.

* Indicates seep was observed during or shortly after OLF closure in 2005.

NOTE: A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures						
Channels						
Structure	**Visible Excessive Erosion, Gullying, or Undermining**	**Visible Settlement, Subsidence, or Depressions**	**Visible Breaching or Bank Failure**	**Visible Animal Burrows**	**Visible Sediment Build-Up or Other Blockage**	**Comments**
Diversion Berm 1	NO	NO	NO	NO	NO	
Diversion Berm 2	NO	NO	NO	NO	NO	
Diversion Berm 3	NO	NO	NO	NO	NO	
Diversion Berm 4	NO	NO	NO	NO	NO	
Diversion Berm 5	NO	NO	NO	NO	NO	
Diversion Berm 6	NO	NO	NO	NO	NO	
Diversion Berm 7	NO	NO	NO	NO	NO	
West perimeter channel	NO	NO	NO	NO	NO	
East perimeter channel	NO	NO	NO	NO	NO	

Drains/Outfalls				
Structure	**Visible Excessive Erosion, or Gullying**	**Visible Sediment Build-Up or Other Blockage**	**Is Water Draining or Flowing from Structure?**	**Comments**
East Subsurface Drain – Solid pipe	NO	NO	NO	
East Subsurface Drain – Perforated pipe	NO	NO	NO	
French Drain (SID)	NO	NO	YES	< 1 GPM

Maintenance required and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

"Run-On" Control		
Area	**Adversely Affecting OLF**	**Comments**
Run-on to the OLF (any direction)	No	
Maintenance required and photo log:		
No issues.		

Violations of Institutional Controls		
Item		**Comments**
Evidence of unauthorized[1] excavations of cover and immediate vicinity of cover?	No	
Evidence of unauthorized[1] construction of roads, trails, or buildings on cover?	No	
Evidence of unauthorized[1] drilling of wells or use of groundwater?	No	
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	No	
Other observations, maintenance required, comments, and photo log:		
No issues.		
If "Yes" is marked on any item in the Institutional Controls section, immediately notify your supervisor.		

[1] Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	**Action**	**Date Completed**	**Comments**
None	NA	NA	

Signatures

Inspector signature: _____ Date: 2/21/23

Reviewer signature: _____ APRIL TISCHER (Affiliate) 2023.02.27 08:12:29 -07'00' Date: _____

Attachment 1: February 2023 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on February 21, 2023. The weather was partly cloudy with an ambient temperature of 59 °F during the inspection. The Rocky Flats Site meteorological tower recorded 0.52 inches of precipitation between this inspection and the previous monthly inspection performed on January 17, 2023.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on inspection forms that have since been repaired are not marked again on the form unless further action is required.

Figure 1 provides an aerial view of the OLF hillside with the approximate locations of the report photographs (the photographs in **Figure 2** through **Figure 8** were taken on February 21, 2023).

No issues were noted during the inspection. Spots of less than an inch of snow remained in channels and shaded areas from past precipitation. Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**) were in good condition. The East Perimeter Channel (EPC) was in good condition (**Figure 4**). The West Perimeter Channel (WPC) was in good condition (**Figure 5**).

The Seep 8 location (**Figure 6**) had a flow of approximately 1 gallon per minute (gpm). The Seep 4 and Seep 7 locations had damp soils. All other historical seep locations were dry.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 7**), which had no flow during the inspection. No issues were noted with the South Interceptor Ditch (SID) (**Figure 8**), which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside which had a flow of less than 1 gpm during the inspection.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE-LM/1497-2007, LMS/RFS/S03416)[1] and under sitewide vegetation and revegetation plans, as appropriate. Established vegetation is visible across the hillside areas that were reseeded after the stabilization effort in 2019–2020.

Summary of February 2023 Inspection Findings

No new issues were noted. Spots of less than an inch of snow remained in channels and shaded areas from past precipitation. The EPC was in good condition. The WPC was in good condition. The Seep 8 location had a flow of approximately 1 gpm. The Seep 4 and Seep 7 locations had damp soils. No issues were noted with the ESSD, which had no flow during the inspection. No issues were noted with the SID, which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside which had a flow of less than 1 gpm during the inspection.

[1] *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, LMS/RFS/S03416, continually updated, prepared by the LMS contractor for the U.S. Department of Energy Office of Legacy Management.

Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 15, 2022)

Figure 2. Looking Southeast at Berms 1–3, Which Were in Good Condition

Figure 3. Looking Southeast at Berms 4–7, Which Were in Good Condition

Figure 4. Looking Southwest at the EPC, Which Was in Good Condition

Figure 5. Looking South-Southeast at the WPC, Which Was in Good Condition

Figure 6. Looking South-Southwest at Seep 8 and the Surrounding Area, Which Had a Flow of Approximately 1 gpm

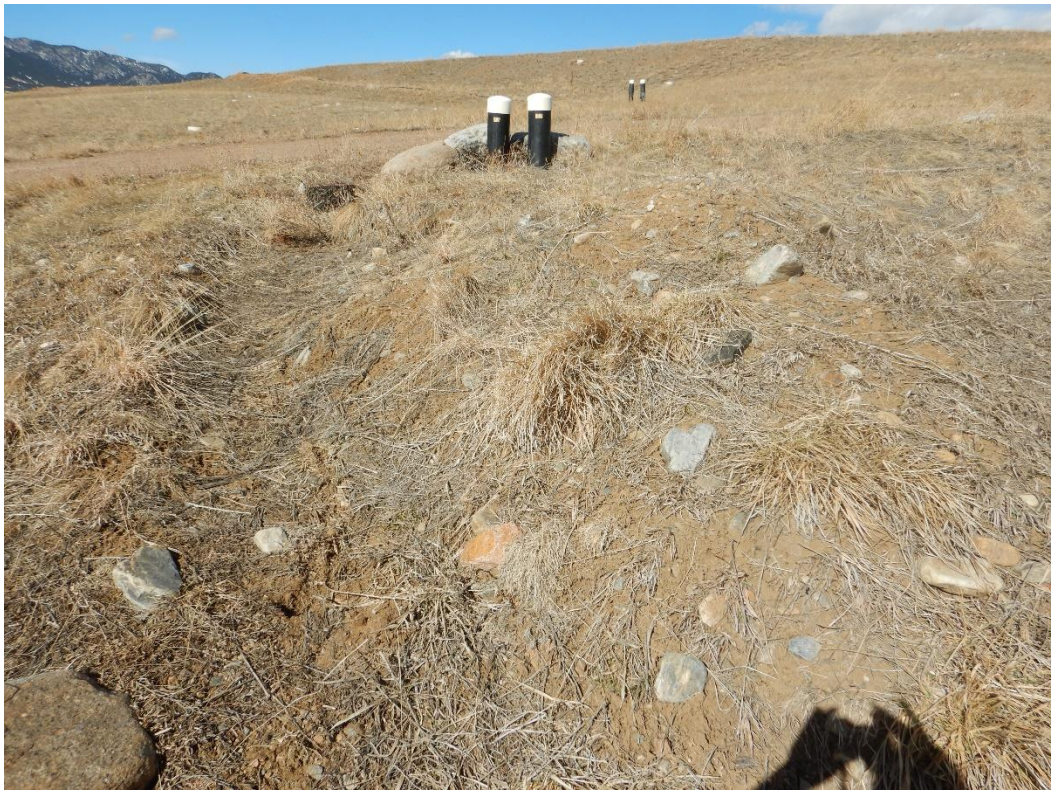


Figure 7. Looking West-Northwest at the ESSD (Cleanouts) and the Surrounding Area, Which Was in Good Condition

Figure 8. Looking East-Northeast at the SID, Which Receives Groundwater from the ESSD Outfall and an Interceptor Drain on the Eastern Hillside

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Inspector: Nathan Krohn Date: 3/23/23 Time: 1145

Precipitation: MET* 0.47 inch NREL* _____ Weather: Cloudy, 48°F Report Type: ☒ Monthly ☐ Weather-related

Reviewed by: _____ Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.03.27 12:12:15 -06'00' Review date: _____

*Since last report

Subsidence/Consolidation					
Region	Visible Cracks	Visible Depressions	Visible Ponding	Within Waste Footprint	Other (Describe Below)
Berm 1 Basin - West	NO	NO	NO	NA	
Berm 1 Basin - East	NO	NO	NO	↓	
Berm 2 Basin	NO	NO	NO	↓	
Berm 3 Basin	NO	NO	NO	↓	
Berm 4 Basin	NO	NO	NO	↓	
Berm 5 Basin	NO	NO	NO	↓	
Berm 6 Basin	NO	NO	NO	↓	
Berm 7 Basin	NO	NO	NO	↓	
Buttress fill	NO	NO	NO	↓	
Settlement monuments—inspect integrity. Intact:	YES				

Maintenance required, comments, and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Slope Stability				
Region	Visible Cracks	Visible Seeps	Visible Block or Circular Failure	Other (Describe Below)
Cover– West	NO	YES	NO	Seep 7 has damp soil
Cover– East	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	
West perimeter channel side slopes	NO	NO	NO	
East perimeter channel side slopes	NO	NO	NO	

Maintenance required, comments, and photo log:

No issues.

Soil Cover and Buttress				
Region	Visible Erosion	Visible Gullies	Visible Animal Burrows	Other (Describe Below)
Cover– West	NO	NO	NO	
Cover– East	NO	NO	NO	
Buttress fill	NO	NO	NO	
Buttress fill side slope	NO	NO	NO	

Maintenance required, comments, and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Seep Evaluation				
Seep	**Visible Saturation**	**Visible Flow**	**Approximate Flow**	**Description**
Seep 1*	NO			
Seep 2/3*	NO			
Seep 4*	NO			
Seep 5*	NO			
Seep 6*	NO			
Seep 7*	YES	NO		
Seep 8a	NO			
Seep 8b	NO			
Seep 8c	NO			
Seep 9	NO			
Seep 10	NO			
Seep 10a	NA	NA	NA	No reappearance after 2017.
Seep 8	YES	YES	~ 1 GPM	

Maintenance required, comments, and photo log:

No issues.

* Indicates seep was observed during or shortly after OLF closure in 2005.

NOTE: A seep is defined as an area where water percolates to the land surface or an area persistently moist whose source, as observed in multiple inspections, is confirmed to be groundwater and not surface water.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Water Management Structures

Channels

Structure	Visible Excessive Erosion, Gullying, or Undermining	Visible Settlement, Subsidence, or Depressions	Visible Breaching or Bank Failure	Visible Animal Burrows	Visible Sediment Build-Up or Other Blockage	Comments
Diversion Berm 1	NO	NO	NO	NO	NO	
Diversion Berm 2	NO	NO	NO	NO	NO	
Diversion Berm 3	NO	NO	NO	NO	NO	
Diversion Berm 4	NO	NO	NO	NO	NO	
Diversion Berm 5	NO	NO	NO	NO	NO	
Diversion Berm 6	NO	NO	NO	NO	NO	
Diversion Berm 7	NO	NO	NO	NO	NO	
West perimeter channel	NO	NO	NO	NO	NO	
East perimeter channel	NO	NO	NO	NO	NO	

Drains/Outfalls

Structure	Visible Excessive Erosion, or Gullying	Visible Sediment Build-Up or Other Blockage	Is Water Draining or Flowing from Structure?	Comments
East Subsurface Drain – Solid pipe	NO	NO	NO	
East Subsurface Drain – Perforated pipe	NO	NO	NO	
French Drain (SID)	NO	NO	YES	< 1 GPM flow

Maintenance required and photo log:

No issues.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

"Run-On" Control		
Area	**Adversely Affecting OLF**	**Comments**
Run-on to the OLF (any direction)	NO	
Maintenance required and photo log:		
No issues.		

Violations of Institutional Controls		
Item		**Comments**
Evidence of unauthorized[1] excavations of cover and immediate vicinity of cover?	NO	
Evidence of unauthorized[1] construction of roads, trails, or buildings on cover?	NO	
Evidence of unauthorized[1] drilling of wells or use of groundwater?	NO	
Damage to groundwater monitoring wells at OLF (upgradient or downgradient)?	NO	
Other observations, maintenance required, comments, and photo log:		
No issues.		
If "Yes" is marked on any item in the Institutional Controls section, immediately notify your supervisor.		

[1] Unauthorized means not approved by RFLMA parties (DOE, EPA, CDPHE) through the consultative process. Actions covered under an approved soil disturbance review plan are authorized actions.

Original Landfill – Monitoring and Maintenance Plan Inspection Form

Action Items			
Deficiency	**Action**	**Date Completed**	**Comments**
None	NA	NA	

Signatures

Inspector signature: _____ Date: 3/23/23

Reviewer signature: _____ Digitally signed by APRIL TISCHER (Affiliate) Date: 2023.03.27 12:14:08 -06'00' Date: _____

Attachment 1: March 2023 Monthly Report of the Original Landfill Inspection at the Rocky Flats Site, Colorado

The monthly inspection of the Original Landfill (OLF) at the Rocky Flats Site, Colorado, was completed on March 23, 2023. The weather was cloudy with an ambient temperature of 48 °F during the inspection. The Rocky Flats Site meteorological tower recorded 0.47 inch of precipitation between this inspection and the previous monthly inspection performed on February 21, 2023.

Monthly inspection forms are completed to document current conditions at the OLF. Items previously indicated as deficient on inspection forms that have since been repaired are not marked again on the form unless further action is required.

Figure 1 provides an aerial view of the OLF hillside with the approximate locations of the report photographs (the photographs in **Figure 2** through **Figure 11** were taken on March 23, 2023).

No issues were noted during the inspection. Berms 1–3 (**Figure 2**) and Berms 4–7 (**Figure 3**) were in good condition. Erosion control blankets along eastern Berm 2 (**Figure 4**) were displaced by elk passing through the area in early March. The blankets were restaked in late March and early April. Erosion control blankets along Berm 4 (**Figure 5**) have remained in good condition. Erosion controls installed in 2021 on the western end of Berm 3 have remained in good condition (**Figure 6**). The East Perimeter Channel (EPC) was in good condition (**Figure 7)**. The West Perimeter Channel (WPC) was in good condition (**Figure 8)**.

The Seep 8 location (**Figure 9)** had a flow of approximately 1 gallon per minute (gpm). The Seep 4 and Seep 7 locations had damp soils. All other historical seep locations were dry.

No issues were noted with the East Subsurface Drain (ESSD) (**Figure 10**), which had no flow during the inspection. No issues were noted with the South Interceptor Ditch (SID) (**Figure 11**), which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside, which had a flow of less than 1 gpm during the inspection.

The revegetation of recently disturbed areas on the OLF is managed and monitored under the *Erosion Control Plan for Rocky Flats Property Central Operable Unit* (DOE-LM/1497-2007, LMS/RFS/S03416)[1] and under sitewide vegetation and revegetation plans, as appropriate. Established vegetation is visible across the hillside areas that were reseeded after the stabilization effort in 2019–2020.

Summary of March 2023 Inspection Findings

No new issues were noted. Erosion control blankets along eastern Berm 2 were displaced by elk passing through the area in early March. The blankets were restaked in March and April. Erosion control blankets along Berm 4 have remained in good condition. Erosion controls installed in 2021 on the western end of Berm 3 have remained in good condition. The EPC was in good condition. The WPC was in good

[1] *Erosion Control Plan for Rocky Flats Property Central Operable Unit*, DOE-LM/1497-2007, LMS/RFS/S03416, continually updated, prepared by the LMS contractor for the U.S. Department of Energy Office of Legacy Management.

condition. The Seep 8 location had a flow of approximately 1 gpm. The Seep 4 and Seep 7 locations had damp soils. No issues were noted with the ESSD, which had no flow during the inspection. No issues were noted with the SID, which receives groundwater from the ESSD outfall and an interceptor drain on the eastern hillside, which had a flow of less than 1 gpm during the inspection.

Figure 1. Locations of OLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado (Photo Taken June 15, 2022)

Figure 2. Looking East-Southeast at Berms 1–3, Which Were in Good Condition

Figure 3. Looking Southeast at Berms 4–7, Which Were in Good Condition

Figure 4. Looking Southwest at Erosion Control Blankets Along Eastern Berm 2, Which Were Displaced by Elk Passing Through the Area in Early March; the Blankets Were Restaked in March and April

Figure 5. Looking East-Northeast at Erosion Control Blankets Along the Center of Berm 4, Which Were in Good Condition

Figure 6. Looking North-Northeast at Erosion Controls Installed in 2021 on the Western End of Berm 3, Which Have Remained in Good Condition

Figure 7. Looking Southwest at the EPC, Which Was in Good Condition

Figure 8. Looking Northwest at the WPC, Which Was in Good Condition

Figure 9. Looking South-Southwest at Seep 8 and the Surrounding Area, Which Had a Flow of Approximately 1 gpm

Figure 10. Looking West-Northwest at the ESSD (Cleanouts) and the Surrounding Area, Which Was in Good Condition

Figure 11. Looking East-Northeast at the SID, Which Receives Groundwater from the ESSD Outfall and an Interceptor Drain on the Eastern Hillside

PRESENT LANDFILL – MONITORING AND MAINTENANCE PROGRAM

(Q1) INSPECTION FORM

APRIL TISCHER (Affiliate) 2023.03.06 14:53:06 -07'00'

INSPECTOR: Nathan Krohn DATE: 2/21/23 TIME: 1140 REVIEWED BY: Apr Tisch

TEMPERATURE: 59°F WEATHER CONDITIONS: Partly Cloudy 59°F REVIEW DATE:

METEOROLOGICAL STATION LOCATION: RF MET = 2.31 inches (11/16/22 - 2/21/23)

SUBSIDENCE/CONSOLIDATION

REGION	EVIDENCE OF CRACKS?	EVIDENCE OF DEPRESSIONS?	EVIDENCE OF SINK HOLES?	EVIDENCE OF PONDING?	OTHER (DESCRIBE BELOW)
TOP OF COVER – WEST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
TOP OF COVER – EAST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – CENTRAL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH SEEP*	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	

Settlement Plates and side-slope monitoring points to be inspected for integrity. During Year 1, they will be surveyed quarterly, and annually thereafter

Integrity intact? ☒ Yes ☐ No

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

* AREA OF SEEP IS OUTSIDE OF LANDFILL COVER AND EAST OF THE COVER ANCHOR TRENCH

SLOPE STABILITY

REGION	EVIDENCE OF CRACKS?	EVIDENCE OF BLOCK OR CIRCULAR FAILURE?	EVIDENCE OF SEEPS?	OTHER (DESCRIBE BELOW)
COVER SIDESLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
PERIMETER CHANNEL OUTER SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
PERIMETER CHANNEL OUTER SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – CENTRAL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH SEEP*	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

* AREA OF SEEP IS OUTSIDE OF LANDFILL COVER AND EAST OF THE COVER ANCHOR TRENCH

SOIL COVER

REGION	EVIDENCE OF SOIL DEPOSITION OR EROSION?	EVIDENCE OF EROSION RILLS/GULLIES?	EVIDENCE OF BURROWING ANIMALS?	OTHER (DESCRIBE BELOW)
TOP OF COVER – WEST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
TOP OF COVER – EAST	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
COVER SIDESLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
EAST FACE SLOPE — CENTRAL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
AREA WHERE EAST SLOPE CENTRAL MEETS EAST SLOPE NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
AREA WHERE EAST SLOPE CENTRAL MEETS EAST SLOPE SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	
	VENT CAPS IN PLACE & SECURE?	**STANDPIPES IN GOOD CONDITION?**	**BIRDS OR INSECTS IN VENT CAPS?**	
COVER – BAROMETRIC VENTS	☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☒ No	

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

SEEP TREATMENT SYSTEM

REGION	EVIDENCE OF PLUGGING, OBSTRUCTIONS, OR EXCESS DEBRIS?	EVIDENCE OF CRACKS OR DETERIORATION?	OTHER (DESCRIBE BELOW)
GWIS INLET PIPES	☐ Yes ☒ No	☐ Yes ☒ No	
STRIP DRAIN INLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
NORTH MANHOLE OUTLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
SOUTH MANHOLE OUTLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
TREATMENT UNIT	☐ Yes ☒ No	☐ Yes ☒ No	
TREATMENT UNIT OUTLET PIPE	☐ Yes ☒ No	☐ Yes ☒ No	
NORTH MANHOLE	☐ Yes ☒ No	☐ Yes ☒ No	
SOUTH MANHOLE	☐ Yes ☒ No	☐ Yes ☒ No	
TREATMENT UNIT GRATING	NA	☐ Yes ☒ No	

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

North and South Manhole Outlet Pipes cleaned with mechanical pipe cleaner as a BMP.

3/6/23 NK - Excess bio-growth has built up in the North manhole, but the outlet pipe is unobstructed. The situation is being monitored.

STORMWATER MANAGEMENT STRUCTURES

CHANNELS/LINING

STRUCTURE	EVIDENCE OF EXCESSIVE EROSION, GULLYING, SCOUR, OR UNDERMINING?	EVIDENCE OF SETTLEMENT/ SUBSIDENCE OR DEPRESSIONS?	EVIDENCE OF BREACHING OR BANK FAILURE?	EVIDENCE OF BURROWING ANIMALS?	EVIDENCE OF SEDIMENT BUILD-UP OR OTHER BLOCKAGE?	EVIDENCE OF LINING DETERIORATION, HOLES, RIPS, OR SEPARATION?	EVIDENCE OF LINING DISPLACEMENT?
DIVERSION BERM	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
VEGETATION-LINED PERIMETER CHANNEL – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
VEGETATION-LINED PERIMETER CHANNEL – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
RIPRAP-LINED PERIMETER CHANNEL	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
C350-LINED EAST FACE	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
EAST FACE RIPRAP CHANNEL – NORTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No
EAST FACE RIPRAP CHANNEL – SOUTH	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	

OTHER DEFICIENCIES?

N/A

MAINTENANCE REQUIRED/COMMENTS/PHOTO LOG

No issues.

STORMWATER MANAGEMENT STRUCTURES (CONTINUED)

OUTFALLS

CHECK EACH STRUCTURE FOR EXCESSIVE EROSION AND SEDIMENT DEPTH. IF SEDIMENT DEPTH IS COMPROMISING THE DESIGN CHARACTERISTICS, REMOVE SEDIMENT.

STRUCTURE	CONDITION/SEDIMENT DEPTH
DIVERSION BERM OUTFALL – NORTH	No issues.
DIVERSION BERM OUTFALL – SOUTH	↓
CULVERT 1 OUTFALL	
CULVERT 2 OUTFALL	
SOUTHWEST CULVERT OUTFALL	

CULVERTS

CHECK EACH STRUCTURE FOR BLOCKAGE, SURROUNDING CONDITIONS, BREACHING, SEDIMENT BUILD-UP, AND INLET/OUTLET CONDITIONS.

STRUCTURE	CONDITION
CULVERT 1	No issues
CULVERT 2	↓
SOUTHWEST CULVERT	

MAINTENANCE REQUIRED/PHOTO LOG

No issues.

"RUN-ON" EROSION CONTROL

AREA	ADVERSELY AFFECTING PLF?		
RUN-ON INTO PERIMETER CHANNEL – NORTH	☐ Yes	☒ No	COMMENT:
RUN-ON INTO PERIMETER CHANNEL – SOUTH	☐ Yes	☒ No	COMMENT:
NATURAL DRAINAGE FED BY CULVERT 1	☐ Yes	☒ No	COMMENT:
NATURAL DRAINAGE FED BY NORTHEAST PERIMETER CHANNEL	☐ Yes	☒ No	COMMENT:
NATURAL DRAINAGE FED BY RIPRAP	☐ Yes	☒ No	COMMENT:

MAINTENANCE REQUIRED/PHOTO LOG

No issues.

INSTITUTIONAL CONTROLS

ITEM			
EVIDENCE OF EXCAVATION(S) OF COVER AND IMMEDIATE VICINITY OF COVER?	☐ Yes	☒ No	COMMENT:
EVIDENCE OF CONSTRUCTION OF ROADS OR TRAILS ON COVER OR BUILDINGS?	☐ Yes	☒ No	COMMENT:
EVIDENCE OF UNAUTHORIZED ENTRY?	☐ Yes	☒ No	COMMENT:
EVIDENCE OF DRILLING OF WELLS OR USE OF GROUNDWATER?	☐ Yes	☒ No	COMMENT:
DISRUPTION OR DAMAGE OF SEEP TREATMENT SYSTEM?	☐ Yes	☒ No	COMMENT:
DAMAGE OR REMOVAL OF ANY SIGNAGE OR GROUNDWATER MONITORING WELLS?	☐ Yes	☒ No	COMMENT:

OTHER DEFICIENCIES/PHOTO LOG

No issues.

ACTION ITEMS

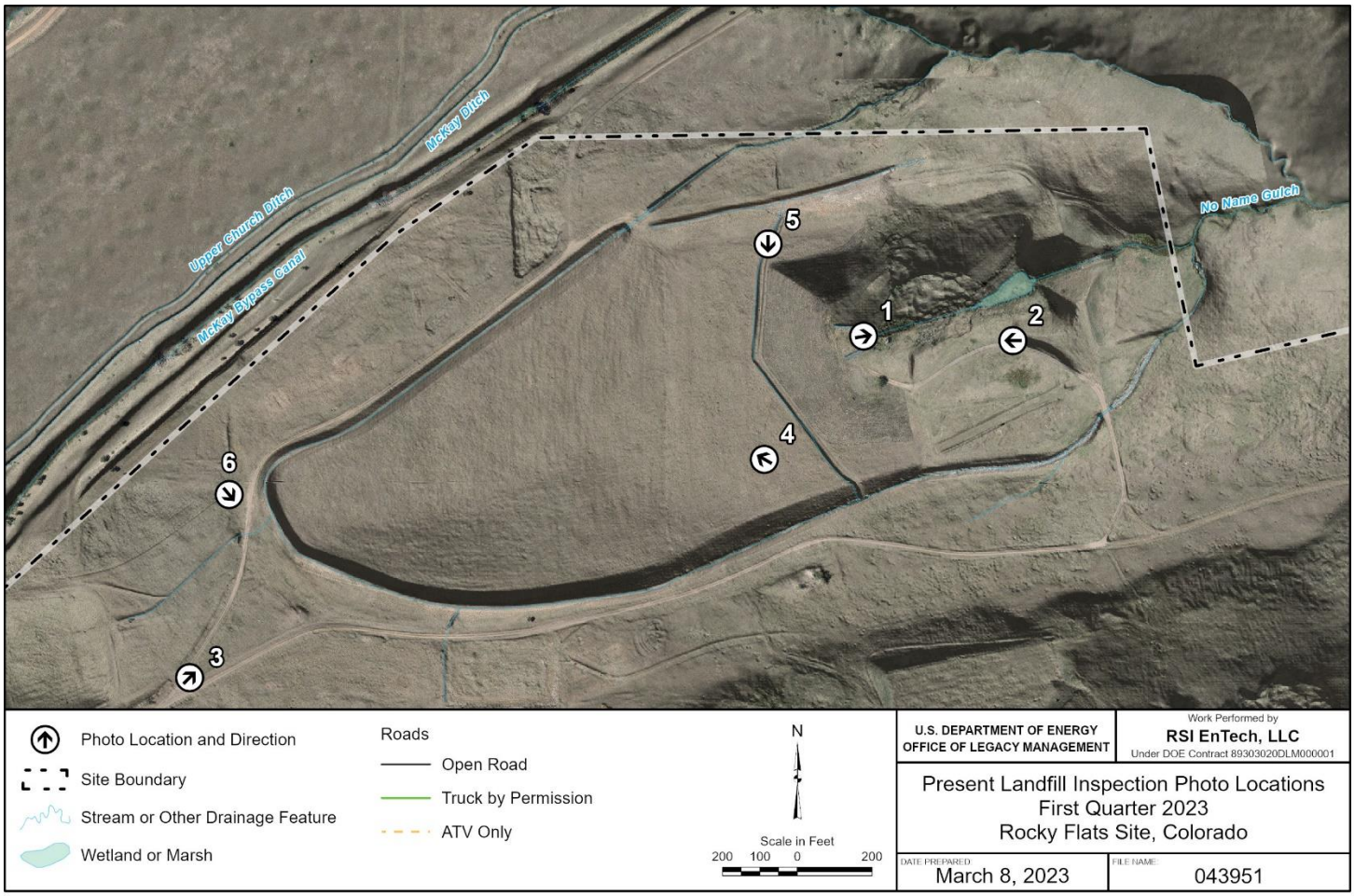
DEFICIENCY	DATE NOTED	ACTION	DATE COMPLETED	COMMENTS
None	NA	NA	NA	

INSPECTOR SIGNATURE: _____ DATE: 2/21/23

REVIEWER SIGNATURE: _____ APRIL TISCHER (Affiliate) 2023.03.06 14:54:02 -07'00' DATE: _____

First Quarter 2023 PLF Inspection photos

(Photos taken 2/21/2023)



Locations of PLF Inspection Report Figure Photographs, Rocky Flats Site, Colorado

Figure 1. Looking East at the Present Landfill Treatment System. Small amounts of Bio-growth were removed from the North and South Manhole Outlet Pipes, treatment unit outlet pipe, and system outfall using a mechanical pipe cleaner as part of routine preventative maintenance. Bio-growth in the manholes is not currently being inspected, but lighter covers are scheduled to be installed in 2023 to make inspection of the manholes easier and safer.

Figure 2. Looking West at the East Face Slope, Which Was in Good Condition.

Figure 3. Looking Northeast at the landfill's top cover, Which Was in Good Condition.

Figure 4. Looking West-Northwest at a Barometric Gas Vent. No issues were found with survey markers or barometric gas vents.

Figure 5. Looking South at the Diversion Berm Located Between the East Face Slope and the Top of the Landfill Cover, Which Was in Good Condition.

Figure 6. Looking Southeast at the Southern Vegetation-Lined Perimeter Channel. Snow remains in a few areas from the previous week. All channels and culverts appear to be functioning properly.

Rocky Flats Site
Original Landfill - Settlement Plates Monitoring
Quarterly Survey March 6, 2023 Comparison to Previous December 7, 2022

03-06-2023 OBSERVATIONS					DELTA	DELTA	DELTA	12-07-2022 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
68727	747913.27	2082234.22	6004.86	N RIM PIPE AA	-0.01	0.01	-0.01	68558	747913.26	2082234.23	6004.86	N RIM PIPE AA
68728	747644.86	2081851.28	5975.21	N RIM PIPE BB	0.00	0.01	0.01	68559	747644.86	2081851.29	5975.22	N RIM PIPE BB
68731	747883.14	2081665.96	6019.51	N RIM PIPE CC	0.01	0.00	0.00	68562	747883.14	2081665.95	6019.51	N RIM PIPE CC
68732	747803.27	2081642.34	6006.06	N RIM PIPE DD	0.01	0.00	-0.01	68563	747803.28	2081642.34	6006.06	N RIM PIPE DD
68733	747700.66	2081620.55	5988.52	N RIM PIPE EE	0.01	0.01	0.01	68564	747700.66	2081620.56	5988.53	N RIM PIPE EE
68735	747703.23	2081407.71	5997.14	N RIM PIPE FF	-0.01	0.01	0.00	68566	747703.22	2081407.72	5997.14	N RIM PIPE FF
68734	747563.08	2081656.31	5974.10	N RIM PIPE GG	0.00	0.01	0.01	68565	747563.08	2081656.32	5974.11	N RIM PIPE GG
68736	747776.77	2081215.25	6021.91	N RIM PIPE HH	-0.01	0.01	0.00	68567	747776.77	2081215.26	6021.91	N RIM PIPE HH

PIPE AA THE SOIL SURROUNDING PIPE AA WAS TEMPORARLY EXCAVATED OUT AND THEN BACKFILLED AND COVERED, THE SURROUNDING GROUND SURFACE IS HIGHER, PIPE AA WAS NEVER MOVED. BASELINE RE-SET AS BEST PRACTICE.
PIPE HH WAS REPLACED AND HAS A NEW LOCATION FIRST OBSERVED ON 08-31-2020
PIPE HH HAS BEEN REMOVED FOR 06-02-2020 COMPARISON AND NO LONGER EXISTS
DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 03-06-2023 OBSERVATION AND THE 12-07-2022 OBSERVATION
POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, NGVD 29

POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88

03-06-2023 OBSERVATIONS					DELTA	DELTA	DELTA	12-07-2022 OBSERVATIONS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
68727	1747922.72	3082079.57	6008.40	N RIM PIPE AA	-0.01	0.01	-0.01	68558	1747922.71	3082079.58	6008.40	N RIM PIPE AA
68728	1747654.31	3081696.63	5978.75	N RIM PIPE BB	0.00	0.01	0.01	68559	1747654.31	3081696.64	5978.76	N RIM PIPE BB
68731	1747892.59	3081511.31	6023.05	N RIM PIPE CC	0.00	0.00	0.00	68562	1747892.59	3081511.30	6023.05	N RIM PIPE CC
68732	1747812.72	3081487.69	6009.60	N RIM PIPE DD	0.01	0.00	-0.01	68563	1747812.73	3081487.69	6009.60	N RIM PIPE DD
68733	1747710.11	3081465.91	5992.06	N RIM PIPE EE	0.00	0.01	0.01	68564	1747710.11	3081465.91	5992.07	N RIM PIPE EE
68735	1747712.68	3081253.07	6000.68	N RIM PIPE FF	-0.01	0.01	0.00	68566	1747712.68	3081253.07	6000.68	N RIM PIPE FF
68734	1747572.53	3081501.67	5977.64	N RIM PIPE GG	0.00	0.01	0.01	68565	1747572.53	3081501.67	5977.65	N RIM PIPE GG
68736	1747786.22	3081060.60	6025.45	N RIM PIPE HH	-0.01	0.01	0.00	68567	1747786.22	3081060.61	6025.45	N RIM PIPE HH

PIPE HH WAS REPLACED AND HAS A NEW LOCATION FIRST OBSERVED ON 08-31-2020
PIPE HH HAS BEEN REMOVED FOR 06-02-2020 COMPARISON AND NO LONGER EXISTS
DELTAS ARE CALCULATED AS THE DIFFERENCE BETWEEN THE 03-06-2023 OBSERVATION AND THE 12-07-2022 OBSERVATION
POINTS ARE GRID BASED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, NAVD 88

Appendix B

Analytical Results for Water Samples, First Quarter 2023

Appendix B
Analytical Results for Water Samples—First Quarter CY 2023
RFLMA Data

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70193	WL	1/19/2023	RFS01-10.2301054-033	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-42-8	Boron	Y	12	ug/L	J	F	1.5		FJQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-47-3	Chromium	Y	1	ug/L	J B	F	0.5		FQU	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7782-49-2	Selenium	Y	5.6	ug/L		F	1		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-61-1	Uranium	Y	0.15	ug/L		F	0.03		FQU	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70193	WL	1/19/2023	RFS01-10.2301054-033	7440-66-6	Zinc	Y	2.6	ug/L	J	F	2		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	75-35-4	1,1-Dichloroethene	N	1.2	ug/L		F	0.23		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD

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LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-42-8	Boron	Y	1.5	ug/L	J	F	1.5		FJQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-47-3	Chromium	Y	0.82	ug/L	J B	F	0.5		FQU	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	127-18-4	Tetrachloroethene	N	0.81	ug/L	J	F	0.4		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	79-01-6	Trichloroethene	N	5.4	ug/L		F	0.3		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-61-1	Uranium	Y	0.051	ug/L	J	F	0.03		FQU	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
70393	WL	1/19/2023	RFS01-10.2301054-034	7440-66-6	Zinc	Y	11	ug/L		F	2		FQ	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	75-35-4	1,1-Dichloroethene	N	0.87	ug/L	J	D	0.23		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	75-35-4	1,1-Dichloroethene	N	0.82	ug/L	J	F	0.23		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	D	0.37		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	D	0.33		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-38-2	Arsenic	Y	0.5	ug/L	U	D	0.5		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-41-7	Beryllium	Y	0.3	ug/L	U	D	0.3		F	G	STD

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70693	WL	1/19/2023	RFS01-10.2301054-035	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-42-8	Boron	Y	30	ug/L		D	1.5		FJ	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-42-8	Boron	Y	8.6	ug/L	J	F	1.5		FJ	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-47-3	Chromium	Y	0.9	ug/L	J B	D	0.5		FU	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-47-3	Chromium	Y	0.94	ug/L	J B	F	0.5		FU	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-50-8	Copper	Y	0.71	ug/L	U	D	0.71		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7439-97-6	Mercury	Y	0.061	ug/L	U	D	0.061		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	91-20-3	Naphthalene	N	0.63	ug/L	U	D	0.63		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-02-0	Nickel	Y	0.83	ug/L	U	D	0.83		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7782-49-2	Selenium	Y	1.1	ug/L	J	D	1		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7782-49-2	Selenium	Y	1	ug/L	U	F	1		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-22-4	Silver	Y	0.045	ug/L	U	D	0.045		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	79-01-6	Trichloroethene	N	1.8	ug/L		D	0.3		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	79-01-6	Trichloroethene	N	1.6	ug/L		F	0.3		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-61-1	Uranium	Y	0.11	ug/L		D	0.03		FU	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-61-1	Uranium	Y	0.033	ug/L	J	F	0.03		FU	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		F	G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
70693	WL	1/19/2023	RFS01-10.2301054-035	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-019	7440-66-6	Zinc	Y	2	ug/L	U	D	2		F	G	STD
70693	WL	1/19/2023	RFS01-10.2301054-035	7440-66-6	Zinc	Y	2	ug/L	U	F	2		F	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-42-8	Boron	Y	22	ug/L	J	F	1.5		FJQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-47-3	Chromium	Y	0.86	ug/L	J B	F	0.5		FQU	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-02-0	Nickel	Y	1.4	ug/L	J	F	0.83		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7782-49-2	Selenium	Y	4.2	ug/L		F	1		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-61-1	Uranium	Y	33	ug/L		F	0.03		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73005	WL	1/19/2023	RFS01-10.2301054-036	7440-66-6	Zinc	Y	3.4	ug/L	J	F	2		FJQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD

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73105	WL	1/19/2023	RFS01-10.2301054-037	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-42-8	Boron	Y	71	ug/L		F	1.5		FJQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-47-3	Chromium	Y	0.72	ug/L	J B	F	0.5		FQU	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-02-0	Nickel	Y	2.6	ug/L	J	F	0.83		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-61-1	Uranium	Y	21	ug/L		F	0.03		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73105	WL	1/19/2023	RFS01-10.2301054-037	7440-66-6	Zinc	Y	5.4	ug/L	J	F	2		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-42-8	Boron	Y	30	ug/L		F	1.5		FJQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-47-3	Chromium	Y	1.5	ug/L	J B	F	0.5		FQU	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-50-8	Copper	Y	1.4	ug/L	J	F	0.71		FQ	G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
73205	WL	1/19/2023	RFS01-10.2301054-038	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-02-0	Nickel	Y	4.2	ug/L		F	0.83		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7782-49-2	Selenium	Y	160	ug/L		F	1		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-61-1	Uranium	Y	130	ug/L		F	0.03		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
73205	WL	1/19/2023	RFS01-10.2301054-038	7440-66-6	Zinc	Y	6	ug/L	J	F	2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	D	0.39		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	D	0.21		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	D	0.27		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	D	0.23		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	D	0.58		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	95-50-1	1,2-Dichlorobenzene	N	0.22	ug/L	U	D	0.22		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	95-50-1	1,2-Dichlorobenzene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	D	0.54		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	D	0.52		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	541-73-1	1,3-Dichlorobenzene	N	0.28	ug/L	U	D	0.28		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	541-73-1	1,3-Dichlorobenzene	N	0.28	ug/L	U	F	0.28		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	D	0.39		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	91-58-7	2-Chloronaphthalene	N	0.5	ug/L	U	D	0.5		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	91-58-7	2-Chloronaphthalene	N	0.5	ug/L	U	F	0.5		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	83-32-9	Acenaphthene	N	0.01	ug/L	U	D	0.01		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	83-32-9	Acenaphthene	N	0.01	ug/L	U S	F	0.01		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	120-12-7	Anthracene	N	0.013	ug/L	U	D	0.013		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	120-12-7	Anthracene	N	0.014	ug/L	U S	F	0.014		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-38-2	Arsenic	Y	0.5	ug/L	U	D	0.5		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	71-43-2	Benzene	N	0.31	ug/L	U	D	0.31		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U *	D	0.0049		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U * S	F	0.0049		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	191-24-2	Benzo(g,h,i)Perylene	N	0.0077	ug/L	U *	D	0.0077		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	191-24-2	Benzo(g,h,i)Perylene	N	0.0077	ug/L	U * S	F	0.0077		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-41-7	Beryllium	Y	0.3	ug/L	U	D	0.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80005	WL	1/17/2023	RFS01-10.2301054-016	108-60-1	Bis(2-chloroisopropyl) ether	N	0.26	ug/L	U	D	0.26		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.3	ug/L	U N	D	2.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.3	ug/L	U N	F	2.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-42-8	Boron	Y	38	ug/L		D	1.5		FJQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-42-8	Boron	Y	18	ug/L	J	F	1.5		FJQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	75-25-2	Bromoform	N	1.2	ug/L	U	D	1.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-43-9	Cadmium	Y	0.19	ug/L	U	D	0.19		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	D	0.57		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	108-90-7	Chlorobenzene	N	0.42	ug/L	U	D	0.42		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	67-66-3	Chloroform	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	74-87-3	Chloromethane	N	0.75	ug/L	U	D	0.75		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-47-3	Chromium	Y	0.66	ug/L	J B	D	0.5		FQU	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-47-3	Chromium	Y	0.81	ug/L	J B	F	0.5		FQU	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	218-01-9	Chrysene	N	0.012	ug/L	U	D	0.012		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	218-01-9	Chrysene	N	0.012	ug/L	U S	F	0.012		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-50-8	Copper	Y	0.71	ug/L	U	D	0.71		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	D	0.0046		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U S	F	0.0046		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	D	0.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U N	D	1.1		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U N	F	1.1		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	100-41-4	Ethylbenzene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	206-44-0	Fluoranthene	N	0.033	ug/L	U	D	0.033		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	206-44-0	Fluoranthene	N	0.033	ug/L	U S	F	0.033		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	86-73-7	Fluorene	N	0.018	ug/L	U	D	0.018		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	86-73-7	Fluorene	N	0.018	ug/L	U S	F	0.018		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	D	1.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	67-72-1	Hexachloroethane	N	0.93	ug/L	U	D	0.93		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	67-72-1	Hexachloroethane	N	0.93	ug/L	U	F	0.93		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	78-59-1	Isophorone	N	0.2	ug/L	U N	D	0.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	78-59-1	Isophorone	N	0.2	ug/L	U N	F	0.2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7439-92-1	Lead	Y	0.23	ug/L	U	D	0.23		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7439-97-6	Mercury	Y	0.061	ug/L	U	D	0.061		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	75-09-2	Methylene chloride	N	0.94	ug/L	U	D	0.94		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	91-20-3	Naphthalene	N	0.0051	ug/L	U	D	0.0051		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	91-20-3	Naphthalene	N	0.0051	ug/L	U S	F	0.0051		FQ	G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-02-0	Nickel	Y	0.83	ug/L	U	D	0.83		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-017	129-00-0	Pyrene	N	0.0097	ug/L	J *	D	0.0077		FJQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-040	129-00-0	Pyrene	N	0.0077	ug/L	U * S	F	0.0077		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7782-49-2	Selenium	Y	1	ug/L	U	D	1		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-22-4	Silver	Y	0.045	ug/L	U	D	0.045		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	100-42-5	Styrene	N	0.36	ug/L	U	D	0.36		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	D	0.4		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	108-88-3	Toluene	N	0.32	ug/L	U	D	0.32		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	1330-20-7	Total Xylenes	N	0.33	ug/L	U	D	0.33		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	D	0.37		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	79-01-6	Trichloroethene	N	0.3	ug/L	U	D	0.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-61-1	Uranium	Y	4.2	ug/L		D	0.03		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-61-1	Uranium	Y	4.2	ug/L		F	0.03		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	75-01-4	Vinyl chloride	N	0.51	ug/L	U	D	0.51		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-016	7440-66-6	Zinc	Y	2	ug/L	U	D	2		FQ	G	STD
80005	WL	1/17/2023	RFS01-10.2301054-039	7440-66-6	Zinc	Y	2.2	ug/L	J	F	2		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	95-50-1	1,2-Dichlorobenzene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	541-73-1	1,3-Dichlorobenzene	N	0.28	ug/L	U	F	0.28		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	91-58-7	2-Chloronaphthalene	N	0.5	ug/L	U	F	0.5		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	120-12-7	Anthracene	N	0.013	ug/L	U	F	0.013		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U *	F	0.0049		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	191-24-2	Benzo(g,h,i)Perylene	N	0.0077	ug/L	U *	F	0.0077		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	108-60-1	Bis(2-chloroisopropyl) ether	N	0.26	ug/L	U	F	0.26		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.3	ug/L	U N	F	2.3		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-42-8	Boron	Y	61	ug/L		F	1.5		FJQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-47-3	Chromium	Y	0.7	ug/L	J B	F	0.5		FQU	G	STD

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80105	WL	1/17/2023	RFS01-10.2301054-042	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U N	F	1.1		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	206-44-0	Fluoranthene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	67-72-1	Hexachloroethane	N	0.93	ug/L	U	F	0.93		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	78-59-1	Isophorone	N	0.2	ug/L	U N	F	0.2		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	91-20-3	Naphthalene	N	0.005	ug/L	U	F	0.005		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-042	129-00-0	Pyrene	N	0.0077	ug/L	U *	F	0.0077		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-61-1	Uranium	Y	11	ug/L		F	0.03		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80105	WL	1/17/2023	RFS01-10.2301054-041	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	95-50-1	1,2-Dichlorobenzene	N	0.22	ug/L	U	F	0.22		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	541-73-1	1,3-Dichlorobenzene	N	0.28	ug/L	U	F	0.28		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	91-58-7	2-Chloronaphthalene	N	0.5	ug/L	U	F	0.5		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	83-32-9	Acenaphthene	N	0.01	ug/L	U	F	0.01		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	120-12-7	Anthracene	N	0.013	ug/L	U	F	0.013		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U *	F	0.0049		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	191-24-2	Benzo(g,h,i)Perylene	N	0.0077	ug/L	U *	F	0.0077		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	108-60-1	Bis(2-chloroisopropyl) ether	N	0.27	ug/L	U	F	0.27		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	117-81-7	Bis(2-ethylhexyl) phthalate	N	2.3	ug/L	U N	F	2.3		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-42-8	Boron	Y	26	ug/L	J	F	1.5		FJQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD

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80205	WL	1/17/2023	RFS01-10.2301054-043	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-47-3	Chromium	Y	1.7	ug/L	J B	F	0.5		FQU	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	84-66-2	Diethyl phthalate	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	131-11-3	Dimethyl phthalate	N	0.2	ug/L	U	F	0.2		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	84-74-2	Di-n-butyl phthalate	N	1.1	ug/L	U N	F	1.1		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	206-44-0	Fluoranthene	N	0.033	ug/L	U	F	0.033		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	86-73-7	Fluorene	N	0.018	ug/L	U	F	0.018		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	67-72-1	Hexachloroethane	N	0.93	ug/L	U	F	0.93		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	78-59-1	Isophorone	N	0.2	ug/L	U N	F	0.2		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	91-20-3	Naphthalene	N	0.0051	ug/L	U	F	0.0051		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-02-0	Nickel	Y	1	ug/L	J	F	0.83		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-044	129-00-0	Pyrene	N	0.0077	ug/L	U *	F	0.0077		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-22-4	Silver	Y	0.12	ug/L	J	F	0.045		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-61-1	Uranium	Y	31	ug/L		F	0.03		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
80205	WL	1/17/2023	RFS01-10.2301054-043	7440-66-6	Zinc	Y	2	ug/L	U	F	2		FQ	G	STD
B210489	WL	1/24/2023	RFS01-10.2301055-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	340	mg/L		F	4.4		FJ	G	STD
B210489	WL	1/24/2023	RFS01-10.2301055-019	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	340	mg/L		D	4.4		F	G	STD
B210489	WL	1/24/2023	RFS01-10.2301055-001	7440-61-1	Uranium	Y	120	ug/L		F	0.03		F	G	STD
B210489	WL	1/24/2023	RFS01-10.2301055-019	7440-61-1	Uranium	Y	120	ug/L		D	0.03		F	G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD

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GS05	SL	1/12/2023	RFS01-02.2301043-002	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
GS05	SL	1/12/2023	RFS01-02.2301043-002	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
GS05	SL	3/2/2023	RFS01-02.2304046-003	7440-38-2	Arsenic	N	0.6	ug/L	J	F	0.5			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-003	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-003	7440-42-8	Boron	N	11	ug/L	B	F	1.5		U	C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-002	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-003	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-002	7440-50-8	Copper	Y	0.9	ug/L	J	F	0.71			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-002	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-002	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-003	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-002	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-003	7440-61-1	Uranium	N	0.83	ug/L		F	0.03			C	STD
GS05	SL	3/2/2023	RFS01-02.2304046-002	7440-66-6	Zinc	Y	2.5	ug/L	J	F	2			C	STD
GS10	SL	1/4/2023	RFS01-04.2212103-010	7440-61-1	Uranium	N	22	ug/L		F	0.03			G	STD
GS10	SL	1/23/2023	RFS01-13.2304090-006	14596-10-2	Americium-241	N	0.00529	pCi/L	U	F		0.0127		C	GEN
GS10	SL	1/23/2023	RFS01-13.2304090-006	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	1/23/2023	RFS01-13.2304090-006	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	1/23/2023	RFS01-13.2304090-006	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
GS10	SL	1/23/2023	RFS01-13.2304090-006	PU-239,240	Plutonium-239, 240	N	0.00377	pCi/L	U	F		0.00907		C	GEN
GS10	SL	1/23/2023	RFS01-13.2304090-006	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
GS10	SL	1/23/2023	RFS01-13.2304090-006	7440-61-1	Uranium	N	24.9	ug/L		F	0.067			C	GEN
GS10	SL	3/2/2023	RFS01-05.2302048-007	7440-61-1	Uranium	N	21	ug/L		F	0.03			G	STD
GS10	SL	3/30/2023	RFS01-04.2303107-010	7440-61-1	Uranium	N	27	ug/L		F	0.03			G	STD
GS13	SL	1/17/2023	RFS01-04.2301104-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	28	mg/L		F	0.22			G	STD
GS13	SL	2/2/2023	RFS01-04.2302105-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	31	mg/L		F	0.44			G	STD
GS13	SL	2/2/2023	RFS01-04.2302105-012	7440-61-1	Uranium	N	46	ug/L		F	0.03			G	STD
GS13	SL	2/6/2023	RFS01-04.2304108-008	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	14	mg/L		F	0.44			C	STD
GS13	SL	2/6/2023	RFS01-13.2304090-003	7440-61-1	Uranium	N	26.6	ug/L		F	0.067			C	GEN
GS13	SL	2/21/2023	RFS01-04.2302106-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	12	mg/L		F	0.088			G	STD
GS13	SL	3/2/2023	RFS01-05.2302048-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	13	mg/L		F	0.088			G	STD
GS13	SL	3/2/2023	RFS01-05.2302048-004	7440-61-1	Uranium	N	30	ug/L		F	0.03			G	STD
GS13	SL	3/15/2023	RFS01-05.2303049-004	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	15.2	mg/L		F	0.85			G	GEN
GS13	SL	3/30/2023	RFS01-04.2303107-012	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	20	mg/L		F	0.22			G	STD
GS13	SL	3/30/2023	RFS01-04.2303107-012	7440-61-1	Uranium	N	34	ug/L		F	0.03			G	STD
GS51	SL	2/13/2023	RFS01-13.2306094-010	14596-10-2	Americium-241	N	0.149	pCi/L		F		0.0385		C	GEN
GS51	SL	2/13/2023	RFS01-13.2306094-010	PU-239,240	Plutonium-239, 240	N	1.04	pCi/L		F		0.135		C	GEN
GS51	SL	2/13/2023	RFS01-13.2306094-010	7440-61-1	Uranium	N	0.17	ug/L	B	F	0.067			C	GEN
GS59	SL	1/12/2023	RFS01-02.2301043-004	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD

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GS59	SL	1/12/2023	RFS01-02.2301043-004	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
GS59	SL	1/12/2023	RFS01-02.2301043-004	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
GS59	SL	2/27/2023	RFS01-02.2304046-005	7440-38-2	Arsenic	N	1.4	ug/L		F	0.5			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-005	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-005	7440-42-8	Boron	N	15	ug/L	B	F	1.5		U	C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-004	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-005	7440-47-3	Chromium	N	1.8	ug/L	J	F	0.5			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-004	7440-50-8	Copper	Y	0.71	ug/L	J	F	0.71			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-004	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-004	7440-02-0	Nickel	Y	0.83	ug/L	U	F	0.83			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-005	7782-49-2	Selenium	N	1	ug/L	U	F	1			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-004	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-005	7440-61-1	Uranium	N	1.5	ug/L		F	0.03			C	STD
GS59	SL	2/27/2023	RFS01-02.2304046-004	7440-66-6	Zinc	Y	2	ug/L	U	F	2			C	STD
NNG01	SL	1/12/2023	RFS01-02.2301043-011	7440-42-8	Boron	N	1000	ug/L		F	1.5			G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-38-2	Arsenic	Y	0.5	ug/L	U	F	0.5		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	71-43-2	Benzene	N	0.31	ug/L	U	F	0.31		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-41-7	Beryllium	Y	0.3	ug/L	U	F	0.3		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-42-8	Boron	Y	1.5	ug/L	U	F	1.5		FJQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-43-9	Cadmium	Y	0.21	ug/L	J	F	0.19		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57		FQ	G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
P416589	WL	1/17/2023	RFS01-10.2301054-065	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-47-3	Chromium	Y	1	ug/L	J B	F	0.5		FQU	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7439-97-6	Mercury	Y	0.061	ug/L	U	F	0.061		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	91-20-3	Naphthalene	N	0.63	ug/L	U	F	0.63		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-02-0	Nickel	Y	30	ug/L		F	0.83		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7782-49-2	Selenium	Y	1	ug/L	U	F	1		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-22-4	Silver	Y	0.9	ug/L	J	F	0.045		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-61-1	Uranium	Y	1.9	ug/L		F	0.03		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51		FQ	G	STD
P416589	WL	1/17/2023	RFS01-10.2301054-065	7440-66-6	Zinc	Y	110	ug/L		F	2		FQ	G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7440-38-2	Arsenic	N	6.7	ug/L		F	0.5			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	71-43-2	Benzene	N	2.1	ug/L		F	0.31			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7440-42-8	Boron	N	1400	ug/L		F	1.5			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	108-90-7	Chlorobenzene	N	0.77	ug/L	J	F	0.42			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	91-20-3	Naphthalene	N	25	ug/L		F	0.63			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	7440-02-0	Nickel	Y	6.4	ug/L		F	0.83			G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7782-49-2	Selenium	N	1	ug/L	U	F	1			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-007	7440-61-1	Uranium	N	1.4	ug/L		F	0.03			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
PLFSEEPINF	TS	1/12/2023	RFS01-02.2301043-006	7440-66-6	Zinc	Y	68	ug/L		F	2			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	71-55-6	1,1,1-Trichloroethane	N	0.39	ug/L	U	F	0.39			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	79-34-5	1,1,2,2-Tetrachloroethane	N	0.21	ug/L	U	F	0.21			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	79-00-5	1,1,2-Trichloroethane	N	0.27	ug/L	U	F	0.27			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	75-35-4	1,1-Dichloroethene	N	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	120-82-1	1,2,4-Trichlorobenzene	N	0.58	ug/L	U	F	0.58			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	95-50-1	1,2-Dichlorobenzene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	107-06-2	1,2-Dichloroethane	N	0.54	ug/L	U	F	0.54			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	78-87-5	1,2-Dichloropropane	N	0.52	ug/L	U	F	0.52			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	541-73-1	1,3-Dichlorobenzene	N	0.33	ug/L	U	F	0.33			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	106-46-7	1,4-Dichlorobenzene	N	0.39	ug/L	U	F	0.39			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	91-58-7	2-Chloronaphthalene	N	2.7	ug/L	U	F	2.7			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	83-32-9	Acenaphthene	N	1.6	ug/L		F	0.01			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	120-12-7	Anthracene	N	0.013	ug/L	U	F	0.013			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7440-38-2	Arsenic	N	4.3	ug/L		F	0.5			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	71-43-2	Benzene	N	0.56	ug/L	J	F	0.31			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	50-32-8	Benzo(a)pyrene	N	0.0049	ug/L	U	F	0.0049			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	191-24-2	Benzo(g,h,i)Perylene	N	0.0077	ug/L	U	F	0.0077			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7440-41-7	Beryllium	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	108-60-1	Bis(2-chloroisopropyl) ether	N	1.4	ug/L	U	F	1.4			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	117-81-7	Bis(2-ethylhexyl) phthalate	N	12	ug/L	U	F	12			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7440-42-8	Boron	N	990	ug/L		F	1.5			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	75-25-2	Bromoform	N	1.2	ug/L	U	F	1.2			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	7440-43-9	Cadmium	Y	0.19	ug/L	U	F	0.19			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	56-23-5	Carbon tetrachloride	N	0.57	ug/L	U	F	0.57			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	108-90-7	Chlorobenzene	N	0.42	ug/L	U	F	0.42			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	67-66-3	Chloroform	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	74-87-3	Chloromethane	N	0.75	ug/L	U	F	0.75			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7440-47-3	Chromium	N	0.5	ug/L	U	F	0.5			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	218-01-9	Chrysene	N	0.012	ug/L	U	F	0.012			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	156-59-2	cis-1,2-Dichloroethene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	7440-50-8	Copper	Y	0.71	ug/L	U	F	0.71			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	53-70-3	Dibenz(a,h)anthracene	N	0.0046	ug/L	U	F	0.0046			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	84-66-2	Diethyl phthalate	N	1.9	ug/L	U	F	1.9			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	131-11-3	Dimethyl phthalate	N	1.1	ug/L	U	F	1.1			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	84-74-2	Di-n-butyl phthalate	N	5.8	ug/L	U	F	5.8			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	100-41-4	Ethylbenzene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	206-44-0	Fluoranthene	N	0.39	ug/L		F	0.033			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	86-73-7	Fluorene	N	1.3	ug/L		F	0.018			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	87-68-3	Hexachlorobutadiene	N	1.2	ug/L	U	F	1.2			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	67-72-1	Hexachloroethane	N	4.9	ug/L	U	F	4.9			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	78-59-1	Isophorone	N	1.1	ug/L	U	F	1.1			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	7439-92-1	Lead	Y	0.23	ug/L	U	F	0.23			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7439-97-6	Mercury	N	0.061	ug/L	U	F	0.061			G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	75-09-2	Methylene chloride	N	0.94	ug/L	U	F	0.94			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	91-20-3	Naphthalene	N	2.2	ug/L		F	0.0051			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	7440-02-0	Nickel	Y	5.2	ug/L		F	0.83			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-010	129-00-0	Pyrene	N	0.28	ug/L		F	0.0077			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7782-49-2	Selenium	N	1	ug/L	U	F	1			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	7440-22-4	Silver	Y	0.045	ug/L	U	F	0.045			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	100-42-5	Styrene	N	0.36	ug/L	U	F	0.36			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	127-18-4	Tetrachloroethene	N	0.4	ug/L	U	F	0.4			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	108-88-3	Toluene	N	0.32	ug/L	U	F	0.32			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	1330-20-7	Total Xylenes	N	0.33	ug/L	U	F	0.33			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	156-60-5	trans-1,2-Dichloroethene	N	0.37	ug/L	U	F	0.37			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	79-01-6	Trichloroethene	N	0.3	ug/L	U	F	0.3			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-009	7440-61-1	Uranium	N	1.7	ug/L		F	0.03			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	75-01-4	Vinyl chloride	N	0.51	ug/L	U	F	0.51			G	STD
PLFSYSEFF	TS	1/12/2023	RFS01-02.2301043-008	7440-66-6	Zinc	Y	31	ug/L		F	2			G	STD
SPIN	TS	1/17/2023	RFS01-04.2301104-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	600	mg/L		F	4.4			G	STD
SPIN	TS	2/2/2023	RFS01-04.2302105-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	620	mg/L		F	4.4			G	STD
SPIN	TS	2/2/2023	RFS01-04.2302105-013	7440-61-1	Uranium	N	19	ug/L		F	0.03			G	STD
SPIN	TS	3/15/2023	RFS01-05.2303049-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	585	mg/L		F	8.5			G	GEN
SPIN	TS	3/30/2023	RFS01-04.2303107-013	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	610	mg/L		F	4.4			G	STD
SPIN	TS	3/30/2023	RFS01-04.2303107-013	7440-61-1	Uranium	N	8.5	ug/L		F	0.03			G	STD
SPOUT	TS	1/4/2023	RFS01-04.2212103-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.1	mg/L		F	0.044			G	STD
SPOUT	TS	1/4/2023	RFS01-04.2212103-014	7440-61-1	Uranium	N	14	ug/L		F	0.03			G	STD
SPOUT	TS	1/17/2023	RFS01-04.2301104-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.091	mg/L		F	0.044			G	STD
SPOUT	TS	2/2/2023	RFS01-04.2302105-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.051	mg/L		F	0.044			G	STD
SPOUT	TS	2/2/2023	RFS01-04.2302105-014	7440-61-1	Uranium	N	25	ug/L		F	0.03			G	STD
SPOUT	TS	2/21/2023	RFS01-04.2302106-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.13	mg/L		F	0.044			G	STD
SPOUT	TS	3/2/2023	RFS01-05.2302048-002	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.16	mg/L		F	0.044			G	STD
SPOUT	TS	3/2/2023	RFS01-05.2302048-002	7440-61-1	Uranium	N	26	ug/L	W	F	0.03			G	STD
SPOUT	TS	3/15/2023	RFS01-05.2303049-001	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.017	mg/L	U	F	0.017			G	GEN
SPOUT	TS	3/30/2023	RFS01-04.2303107-014	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N	0.2	mg/L		F	0.044			G	STD
SPOUT	TS	3/30/2023	RFS01-04.2303107-014	7440-61-1	Uranium	N	21	ug/L		F	0.03			G	STD
SW027	SL	2/7/2023	RFS01-13.2306094-013	14596-10-2	Americium-241	N	0.0306	pCi/L		F		0.0183	J	C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-014	14596-10-2	Americium-241	N	0.0161	pCi/L	U	D		0.0142		C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-013	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-013	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-013	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-013	PU-239,240	Plutonium-239, 240	N	0.165	pCi/L		F		0.0387		C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-014	PU-239,240	Plutonium-239, 240	N	0.129	pCi/L		D		0.0382		C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-013	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-013	7440-61-1	Uranium	N	1.6	ug/L		F	0.067			C	GEN
SW027	SL	2/7/2023	RFS01-13.2306094-014	7440-61-1	Uranium	N	1.64	ug/L		D	0.067			C	GEN
SW093	SL	1/4/2023	RFS01-04.2212103-015	7440-61-1	Uranium	N	12	ug/L		F	0.03			G	STD
SW093	SL	2/6/2023	RFS01-13.2305093-012	14596-10-2	Americium-241	N	-0.00263	pCi/L	U	F		0.0103		C	GEN
SW093	SL	2/6/2023	RFS01-13.2305093-012	7440-41-7	Beryllium	N	1	ug/L	U	F	1			C	GEN
SW093	SL	2/6/2023	RFS01-13.2305093-012	7440-43-9	Cadmium	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	2/6/2023	RFS01-13.2305093-012	7440-47-3	Chromium	N	1	ug/L	U	F	1			C	GEN
SW093	SL	2/6/2023	RFS01-13.2305093-012	PU-239,240	Plutonium-239, 240	N	0.00312	pCi/L	U	F		0.00612		C	GEN
SW093	SL	2/6/2023	RFS01-13.2305093-012	7440-22-4	Silver	Y	0.3	ug/L	U	F	0.3			C	GEN
SW093	SL	2/6/2023	RFS01-13.2305093-012	7440-61-1	Uranium	N	5.38	ug/L		F	0.067			C	GEN
SW093	SL	3/2/2023	RFS01-05.2302048-003	7440-61-1	Uranium	N	5.8	ug/L		F	0.03			G	STD
SW093	SL	3/30/2023	RFS01-04.2303107-015	7440-61-1	Uranium	N	7.6	ug/L		F	0.03			G	STD

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	SAMPLE CODE	CAS	ANALYTE	FILTRATION STATUS	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WALPOC	SL	1/17/2023	RFS01-13.2306094-001	14596-10-2	Americium-241	N	0.0299	pCi/L		F		0.0168	J	C	GEN
WALPOC	SL	1/17/2023	RFS01-13.2306094-003	14596-10-2	Americium-241	N	0.0382	pCi/L		D		0.0162	J	C	GEN
WALPOC	SL	1/17/2023	RFS01-13.2306094-001	PU-239,240	Plutonium-239, 240	N	0.0395	pCi/L		F		0.0251	J	C	GEN
WALPOC	SL	1/17/2023	RFS01-13.2306094-003	PU-239,240	Plutonium-239, 240	N	0.0657	pCi/L		D		0.0234	J	C	GEN
WALPOC	SL	1/17/2023	RFS01-13.2306094-001	7440-61-1	Uranium	N	5.25	ug/L		F	0.067			C	GEN
WALPOC	SL	1/17/2023	RFS01-13.2306094-003	7440-61-1	Uranium	N	5.41	ug/L		D	0.067			C	GEN
WOMPOC	SL	1/17/2023	RFS01-13.2302088-015	14596-10-2	Americium-241	N	0.00129	pCi/L	U	F		0.00983		C	GEN
WOMPOC	SL	1/17/2023	RFS01-13.2302088-015	PU-239,240	Plutonium-239, 240	N	0.00143	pCi/L	U	F		0.0128		C	GEN
WOMPOC	SL	1/17/2023	RFS01-13.2302088-015	7440-61-1	Uranium	N	2.14	ug/L		F	0.067			C	GEN
WOMPOC	SL	2/21/2023	RFS01-13.2303089-015	14596-10-2	Americium-241	N	0.00142	pCi/L	U	F		0.00833		C	GEN
WOMPOC	SL	2/21/2023	RFS01-13.2303089-015	PU-239,240	Plutonium-239, 240	N	0.0142	pCi/L	U	F		0.0128		C	GEN
WOMPOC	SL	2/21/2023	RFS01-13.2303089-015	7440-61-1	Uranium	N	2.27	ug/L		F	0.067			C	GEN
WOMPOC	SL	3/20/2023	RFS01-13.2304090-015	14596-10-2	Americium-241	N	0.0025	pCi/L	U	F		0.00599		C	GEN
WOMPOC	SL	3/20/2023	RFS01-13.2304090-015	PU-239,240	Plutonium-239, 240	N	-0.00533	pCi/L	U	F		0.00906		C	GEN
WOMPOC	SL	3/20/2023	RFS01-13.2304090-015	7440-61-1	Uranium	N	3.29	ug/L		F	0.067			C	GEN

EXPLANATION

FILTRATION STATUS

N = Sample was not filtered.
Y = Sample was filtered.

UNITS

mg/L; ppm = milligrams per liter
pCi/L = picocuries per liter
ug/L = micrograms per liter
C = degrees celsius
mS/cm = milliSiemens per centimeter
NTU = normal turbidity units
s.u. = standard pH units
uS/cm = microSiemens per centimeter
umhos/cm = microSiemens per centimeter

SAMPLE TYPE

F = Field Sample
D = Duplicate

DATA VALIDATION QUALIFIERS

<NULL>	No qualifiers.
F	Low flow sampling method used.
G	Possible grout contamination, pH > 9.
J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.
Q	Qualitative result due to sampling technique.
R	Unusable result.
U	Parameter analyzed for but was not detected.
X	Location is undefined.
999	Validation not complete.

LAB QUALIFIERS

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

LOCATION TYPE

SL	SURFACE LOCATION
TS	TREATMENT SYSTEM
WL	WELL

COLLECTION METHOD

G	Grab
C	Composite

LAB CODE

GEN	Gel Laboratories LLC
STD	Eurofins Test America

Appendix B
Analytical Results for Water Samples—First Quarter CY 2023
Information for RFLMA Composite Samples with Unavailable Data

Location	Sample Dates*	Status
Data were available for all samples		

Notes:
* Analytical results are reported with the start date of the composite sampling period.
--> Composite sample end date to be determined.
NSQ: non-sufficient quantity for analysis.