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Symbol: EPC-DO: 25-111

Date: April 30, 2025

LA-UR: 25-23485

Locates Action No.: U2200542

Justin Ball, Chief
 Ground Water Quality Bureau
 New Mexico Environment Department
 Harold Runnels Building, Room N2261
 Santa Fe, NM 87502

Subject: DP-1132, Monitoring Report, Radioactive Liquid Waste Treatment Facility, First Quarter 2025

Dear Mr. Ball:

On May 5, 2022, the New Mexico Environment Department (NMED) issued Discharge Permit DP-1132 to the U.S. Department of Energy, National Nuclear Security Administration (NNSA) and Triad National Security, LLC (Triad) for discharges of treated effluent from the Technical Area 50 Radioactive Liquid Waste Treatment Facility (RLWTF). Pursuant to Permit Condition Number (No.) 24, NNSA and Triad are required to submit a quarterly monitoring report by May 1, 2025. The following permit conditions are addressed in Attachments 1 through 6 of this report.

- Condition No.13: Maintenance and Repair
- Condition No. 14: Damage to Structural Integrity
- Condition Nos. 25 and 26: RLWTF Influent Volumes
- Condition No. 27: Discharge Volumes
- Condition No. 29: Effluent Sampling
- Condition No. 30: Soil Moisture Monitoring System for the Solar Evaporative Tank System
- Condition No. 36: Groundwater Monitoring
- Condition No. 41: Stabilization of Specific Units and Systems that have Ceased

Please contact Robert A. Gallegos at (505) 901-3824 or robert.gallegos@nnsa.doe.gov or contact Brian M. Iacona at (505) 500-6038 or biacona@lanl.gov if you have questions regarding this monitoring report.

Sincerely,

**SARAH
HOLCOMB
(Affiliate)**

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Sarah S. Holcomb
Group Leader
Environmental Compliance Programs
Triad National Security, LLC

Sincerely,

**ROBERT
GALLEGOS**

Digitally signed by
ROBERT GALLEGOS
Date: 2025.04.28
16:27:57 -06'00'

Robert A. Gallegos
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

Attachment: Attachment 1 RLWTF Monitoring Report – First Quarter 2025
Attachment 2 Quarterly Summary of Maintenance and Repair Activities Conducted at the RLWTF
Attachment 3 RLWTF Daily Influent and Effluent Volumes
Attachment 4 Treated Effluent Sampling Results
Attachment 5 Groundwater Monitoring Report – First Quarter 2025
Attachment 6 Monitoring Well Location Map

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Attachment 1
RLWTF Monitoring Report
First Quarter 2025

EPC-DO: 25-111

LA-UR-25-23485

Date: April 30, 2025

Condition No. 24: Monitoring Reports

Pursuant to Permit Condition Number (No.) 24, the U.S. Department of Energy, National Nuclear Security Administration (NNSA) and Triad National Security, LLC (Triad) are required to submit a quarterly monitoring report by May 1, 2025, for the monitoring period of January 1, 2025, through March 31, 2025 (first quarter). The following permit conditions are addressed in Attachments 1 through 6 of this report.

- Quarterly Monitoring Report
 - Condition No.13: Maintenance and Repair
 - Condition No. 14: Damage to Structural Integrity
 - Condition Nos. 25 and 26: RLWTF Influent Volumes
 - Condition No. 27: Discharge Volumes
 - Condition No. 29: Effluent Sampling
 - Condition No. 30: Soil Moisture Monitoring System for the Solar Evaporation Tank System
 - Condition No. 36: Groundwater Monitoring
 - Condition No. 41: Stabilization of Specific Units and Systems that have Ceased

Condition No. 13: Maintenance and Repair

The Permittees shall submit to NMED a summary and description of the maintenance and repair activities performed on the Facility as part of the quarterly monitoring reports.

- **Attachment 2** provides a summary of the maintenance and repair activities conducted at the Radioactive Liquid Waste Treatment Facility (RLWTF) during the first quarter 2025 monitoring period.

Condition No. 14: Damage to Structural Integrity

In the event that an inspection reveals damage likely to affect the structural integrity of a unit or system the Permittees shall take the affected unit out of service as quickly as possible, notify NMED orally within 24 hours, and shall propose the repair or replacement of the treatment system or its associated components.

- On August 31, 2022, NMED was notified that the south treated effluent tank at the RLWTF was taken out of service when treated effluent was discovered to have wept onto the exterior surface of the tank. Corrective Action Plans were submitted to NMED on September 30, 2022 (EPC-DO:22-264), and November 21, 2022 (EPC-DO: 22-315). Corrective Action Plan Implementation Extension Requests were submitted to NMED in August 2023 (EPC-DO: 23-274) and January 2025 (EPC-DO:25-023). NMED approved the latest request on March 4, 2025.
- An epoxy resin patch and an additional welded patch were applied to the thinning area of the tank in January and February 2023.

- Fabrication of the replacement effluent tanks at the manufacturer is substantially complete. Once a final inspection of the tanks is successfully completed, they will be shipped. The tanks are expected to be delivered to LANL before the end of May 2025.
 - The new treated effluent flow meters required for replacement of the South Treated Effluent Tank were brought online and operational during this monitoring period.
-

Condition No. 25: Influent Volumes: Low-Level Radioactive Wastewater

The total daily and monthly volumes of RLW influent conveyed to the Facility shall be submitted to NMED in the quarterly monitoring reports.

- **Attachment 3** provides the total daily and monthly volumes of low-level radioactive wastewater (RLW) received by the RLWTF during the first quarter 2025 monitoring period.
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Condition No. 26: Influent Volumes: Transuranic Wastewater

The total daily and monthly volumes of TRU influent received by the Facility shall be submitted to NMED in the quarterly monitoring reports.

- **Attachment 3** provides the total daily and monthly volumes of transuranic (TRU) influent wastewater received by the RLWTF during the first quarter 2025 monitoring period.
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Condition No. 27: Discharge Volumes

The Permittees shall measure and record the volume of treated wastewater discharged to the SET, MES, and Outfall 051 on a daily basis.

- **Attachment 3** provides the daily volume of treated effluent discharged to National Pollutant Discharge Elimination System (NPDES) Outfall 051 during the first quarter 2025 monitoring period.
 - No treated effluent was discharged to the Mechanical Evaporator System (MES) or the Solar Evaporative Tank System (SET) during the first quarter 2025 monitoring period.
-

Condition No. 29: Effluent Sampling

The Permittees shall sample and analyze effluent waste streams discharged to Outfall 051, the SET, and the MES.

- **NPDES Outfall 051 Sampling.** Treated effluent from the RLWTF was discharged to NPDES Outfall 051 this quarter during the months of January, February, and March. Monthly sampling for all water contaminants listed in 20.6.2.3103 New Mexico Administrative Code (NMAC), all toxic pollutants as defined in 20.6.2.7.T(2) NMAC, and total kjeldahl nitrogen (TKN) was completed on January 28th, February 11th, and March 5th, 2025. All sample results were either not detected or less than 20.6.2.3103 NMAC standards

and 20.6.2.7.T(2) NMAC tap water screening levels. The analytical results collected from NPDES Outfall 051 in the first quarter of 2025 are included in **Attachment 4, Tables 1-3**.

- **MES Sampling.** No treated effluent from the RLWTF was discharged to the MES this reporting period. Therefore, no effluent sampling from the MES was completed during the first quarter 2025 monitoring period.
- **SET Sampling.** No treated effluent was discharged to the SET during the reporting period. Therefore, no effluent sampling from the SET was completed during the first quarter 2025 monitoring period.

Condition No. 30: Soil Moisture Monitoring System for the SET

The permittees shall perform quarterly soil moisture monitoring in the moisture monitoring boreholes and shall provide this information in the quarterly reports.

- No treated effluent was discharged to the SET during the first quarter 2025 monitoring period.
- In accordance with Permit Condition No. 30, the SET-Soil Moisture Monitoring System Completion Report (EPC-DO: 22-132) was submitted to NMED on June 29, 2022. NMED approved the report on May 18, 2023.
- Baseline monitoring of all SET moisture monitoring boreholes continued in the first quarter with quarterly monitoring completed in January and February 2025.

Condition No. 36: Ground Water Monitoring

The Permittees shall collect ground water samples from the following ground water monitoring wells: MCA-RLW-1, MCA-RLW-2, and MCOI-6 on a quarterly basis and analyze the samples for TKN, NO₃-N, TDS, Cl, F, and perchlorate.

- **Attachment 5** provides the complete ground water monitoring report from the quarterly sampling of perched/intermediate ground water monitoring well MCOI-6 on January 8, 2025.

Sample results from MCOI-6 for TKN, nitrate-nitrite as nitrogen (NO₃+NO₂-N), total dissolved solids, chloride, fluoride, and perchlorate (ClO₄) are provided in **Attachment 5, Table 1**. These samples were submitted to GEL Laboratories, LLC for analysis. All results from the January 8, 2025, sampling event at MCOI-6 were either not detected or below 20.6.2.3103 NMAC standards and 20.6.2.7.T NMAC screening levels, with the exception of the following:

- NO₃+NO₂-N was detected at a concentration of 14.4 mg/L. The 20.6.2.3103 NMAC standard for NO₃-N is 10 mg/L. The average NO₃+NO₂-N concentration at MCOI-6 during the 5-yr period from 2020 through 2024 was 14.3 mg/L with multiple exceedances of the 10 mg/L standard. Detections of NO₃+NO₂-N at MCOI-6 at concentrations greater than the ground water standard were previously identified and reported to NMED.

Monitoring well MCOI-6 will continue to be routinely sampled for NO₃+NO₂-N in accordance with DP-1132 and pursuant to the Compliance Order on Consent (Consent Order).

- ClO₄ was detected at a concentration of 130 µg/L. The 20.6.2.7.T NMAC guidance for ClO₄ is 13.8 µg/L. The average ClO₄ concentration at MCOI-6 during the 5-yr period from 2020 through 2024 was 106.7 µg/L. Detections of ClO₄ at MCOI-6 at concentrations greater than the 20.6.2.7.T NMAC guidance screening levels were previously identified and reported to NMED. Monitoring well MCOI-6 will continue to be routinely sampled for ClO₄ in accordance with DP-1132 and pursuant to the Consent Order.

Quarterly samples were not collected from alluvial monitoring wells MCA-RLW-1 or MCA-RLW-2 during this period due to insufficient water in the wells. **Attachment 5** provides the ground water monitoring report for these alluvial wells collected on January 7, 2025.

A map showing the location of ground water monitoring wells MCA-RLW-1, MCA-RLW-2, MCOI-6, R-1, R-14, R-46 and R-60 is provided in **Attachment 6**.

Condition No. 41: Stabilization of Specific Units and Systems That Have Ceased

The Permittees shall provide NMED quarterly progress reports describing stabilization activities for each quarter in accordance with the time periods and submittal dates required for monitoring reports in Condition 24.

On September 26, 2023, a Revised Integrated Schedule of Stabilization Activities at the RLWTF (EPC-DO: 23-294) was submitted to NMED for review. NMED approval was received on May 6th, 2024.

The current status of each unit and system listed in Permit Condition No. 41 is listed below.

Clarifier #1

- Stabilization activities for Clarifier #1 were completed under the Stabilization Plan for the Low-Level Clarifier #1 submitted to NMED on December 4, 2018 (EPC-DO: 18-428). This workplan was approved by NMED on December 27, 2018.
- Stabilization of Clarifier #1 was completed on June 10, 2024. The required Clarifier #1 Stabilization Completion Report (EPC-24-085) was submitted to NMED on July 2, 2024.

Clarifier #2

- Stabilization activities for Clarifier #2 are being completed under the Stabilization Plan for Low-Level Clarifier #2 Tank submitted to NMED on January 25, 2019 (EPC-DO: 19-007). This workplan was approved by NMED on April 25, 2019.
- Removal of excess chemicals was completed in 2019.

- The chemical feed system was dismantled in May 2021.
- No additional stabilization milestones were completed during the reporting period for this unit.
- The established completion date for stabilization of Clarifier #2 is September 2026.

75K Tank

- Stabilization activities for the 75K Tank are being completed under the Stabilization Plan for 75K Tank submitted to NMED on January 25, 2019 (EPC-DO: 19-007). This workplan was approved by NMED on April 25, 2019.
- The 75K Tank was operationally emptied in 2019.
- The 75K Tank will remain available for use as emergency storage.
- No additional stabilization milestones were completed during the reporting period for this unit.
- The established completion date for stabilization of the 75K Tank is September 2030.

100K Tank

- Stabilization activities for the 100K Tank are being completed under the Stabilization Plan for the 100K Tank submitted to NMED on December 4, 2018 (EPC-DO: 18-428). This workplan was approved by NMED on December 27, 2018. Requests for Extensions of Time to complete mobilization for 100K Tank Stabilization (EPC-DO: 19-372 and EPC-DO: 19-470) were previously submitted to and approved by NMED as previously reported.
- The 100K Tank was emptied of all process liquids in 2019.
- No additional stabilization milestones were completed during the reporting period for this unit.
- The established completion date for stabilization of the 100K Tank is September 2030.

Gravity Filter

- Stabilization activities for the Gravity Filter are being completed under the Stabilization Plan for Gravity Filter submitted to NMED on January 25, 2019 (EPC-DO: 19-007). This workplan was approved by NMED on April 25, 2019.
- Stabilization of the Gravity Filter has been initiated with the removal of unused chemicals and the chemical feed system.
- No additional stabilization milestones were completed during the reporting period for this unit.
- The established completion date for stabilization of the Gravity Filter is September 2029.

WM2-North/South Tanks

- Stabilization activities for the WM2-North/South Tanks are being completed under the Stabilization Plan for the WM2-North/South Tanks submitted to NMED on January 25, 2019 (EPC-DO: 19-007). This workplan was approved by NMED on April 25, 2019.
 - In previous quarters the tanks' inlet and outlet lines were isolated, the process liquids and solids were removed, and the process piping and interior tank surfaces were flushed and cleaned.
 - During this reporting period, the interior surfaces were sealed with multiple coats of paint and the Stabilization Plan criteria of less than 20 disintegrations per minute per 100 square centimeters of detectable radioactivity was met.
 - The established completion date for stabilization of the WM2-North/South Tanks is September 2025.
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Attachment 2

Quarterly Summary of Maintenance and Repair Activities Conducted at the RLWTF

EPC-DO: 25-111

LA-UR-25-23485

Date: April 30, 2025

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

Structures	Description	Built	Task Type					Total
			PM	CO	MD	SR	UP	
Building 1	Original treatment bldg.	1963	37	6	2	0	0	45
Building 2	Original influent storage bldg.	1963	2	1	0	0	0	3
Building 66	TRU influent storage	1982	0	1	0	0	0	1
Building 90	100K Influent Storage tank	1982						0
Building 248	Low-level bottoms storage	1996	3	1	1	0	0	5
Building 250	Low-level influent storage	2009	15	5	0	0	0	20
Building 257	Mechanical Evaporator System	2010	2	2	1	0	0	5
TA52	Solar Evaporation Tank	2011	11	0	0	0	0	11
Totals			70	16	4	0	0	90

Task Types: PM - preventive maintenance MD - modification UP= Unplanned
CO - corrective maintenance SR - service request

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

TA-50-0001 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500001	00778842	01	CO	TROUBLE SHOOT AND REPAIR OR REPLACE PHW-8 IN ROOM 14.
500001	00810585	01	CO	500001 REPAIR CA-003 PIPE LEAK
500001	00810582	01	CO	500001 REPLACE DEFICIENT GFCI'S
500001	00687753	01	CO	500001 RESTORE POWER AND OPERATION TO THE DRUM TUMBLER
500001	00757688	01	CO	500001 REMOUNT ELECT. BASEBOARD HEATER
500001	00810578	01	CO	500001 HUE-22 ROTATION SWAP NEEDED
500001	00640706	02	MD	500001 INSTALL NEW RLW EFFLUENT PIPING AND PERFORM PMT
500001	00572723	01	MD	500001 REPLACE CHECK VALVE IN ROOM 16
500001	00807240	01	PM	500001 LTE 1YR PM
500001	00803308	01	PM	50-0001 TRITIUM EXIT LIGHTS (M) PM
500001	00804378	01	PM	50-1 PDI (A) CAL VERIFICATION
500001	00803246	01	PM	500001 LUBE 6MO PM, HEATING & VENTILATION (MECHANICAL) 5 EA
500001	00803289	01	PM	50-1 FEXT (1M) PM
500001	00803665	01	PM	50-0001 (M) AED
500001	00805921	01	PM	50-1 T-21 PH TRANSMITTERS (6 MO) CALIBRATION
500001	00804032	01	PM	500001 MICROFILTER 3 MONTH PUMP MAINTENANCE
500001	00803311	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING
500001	00803284	01	PM	50-0001 BHW 1MO PM (2 EA)
500001	00802989	01	PM	500001 RM 24 (6M) SRO, AIT(2EA) ANALYZER VERIFICATION PM
500001	00806840	01	PM	500001 LTE 1 MO PM
500001	00806489	01	PM	50-0001 (A) PRO/HWE CIRCULATION HEATER RM 36 (1 EA)
500001	00809069	01	PM	500001 (A) HWG HOT WATER HEATERS (3EA)
500001	00806813	01	PM	500001 ASE 3MO PM, EXHAUST STACK PUMP (3 EA)
500001	00806893	01	PM	500001 LTET 1MO PM
500001	00806488	01	PM	500001 (A) MANLIFT JGL/GENIE INSPECTION
500001	00806846	01	PM	50-0001 BHW 1MO PM (2 EA)
500001	00809044	01	PM	500001 FDC (A) FIRE DOORS (CARPENTER)
500001	00806830	01	PM	50-0001 FEXT (1M) PM
500001	00809043	01	PM	500001 (A) RIGGING EQUIPMENT/HARDWARE (CERTIFICATION)
500001	00806876	01	PM	50-0001 (M) AED
500001	00782950	01	PM	50-001 FCP (A) FUNCTIONALITY TESTING PM
500001	00806851	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING
500001	00811950	01	PM	50-1 DRUM TUMBLER (A) PM
500001	00808513	01	PM	500001 LTE 1 MO PM
500001	00808486	01	PM	500001 LTET 1MO PM

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

TA-50-0001 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500001	00768740	01	PM	500001 RM 24 (6M) SRO, AIT(2EA) ANALYZER VERIFICATION PM
500001	00808461	01	PM	500001 PV-008 6MO PM, (MECHANICAL)
500001	00811953	01	PM	50-1 SPW/SPH (6M) FIRE SUPPRESSION SYSTEMS PM
500001	00808504	01	PM	50-1 FEXT (1M) PM
500001	00808519	01	PM	50-0001 BHW 1MO PM (2 EA)
500001	00810853	01	PM	500001 3MO ELEVATOR ELECT/MECH MAINT, THYSSEN-KRUPP
500001	00809219	01	PM	50-1 DRUM TUMBLER (3M) PM
500001	00808469	01	PM	50-0001 (M) AED
500001	00811955	01	PM	500001 FRKLFT 1YR PM, FORKLIFT (INSPECTIONS)
500001	00808534	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

TA-50-0250 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500250	00699499	01	CO	500250 TROUBLE SHOOT AND REPAIR AUTOMATIC PUMP DOWN OF SUMP.
500250	00698948	01	CO	500250 UNPLUG & INSPECT 1-TK-1 PUMPS
500250	00603902	01	CO	500250 REPAIR CM-1
500250	00626151	01	CO	500250 TROUBLESHOOT/REPAIR VALVE RLW-VH-017
500250	00623788	01	CO	500250 AS-BUILT PLC'S AT CP-0 AND CP-1
500250	00739209	01	CO	500250 RESTORE LIGHT IN ROOM 002 AT TA 50-0250
500250	00804041	01	PM	500250 SHS 3MO PM, SAFETY SHOWER
500250	00803273	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00803264	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00803263	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00803305	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00797706	01	PM	500250 BACKFLOW PREVENTER MAINTENANCE PM
500250	00806899	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00806898	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00806910	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00806916	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00808496	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00808490	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00808489	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00808502	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00811951	01	PM	50-250 SPW (6M) PM

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

TA-52-0181 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
				*** NO DATA TO REPORT FOR LISTED PERIOD.

TA-52-0182 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
520182	00803317	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00803310	01	PM	520182 (M) FEXT PM
520182	00803316	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00806828	01	PM	520182 (3M) FENCE LINE VERIFICATION
520182	00806818	01	PM	520182 (3M) SIGNAGE VERIFICATION FOR FENCE LINE
520182	00806904	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00806850	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00806903	01	PM	520182 (M) FEXT PM
520182	00808551	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00808550	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00808549	01	PM	520182 (M) FEXT PM

TA-52-0183 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
				*** NO DATA TO REPORT FOR LISTED PERIOD.

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

TA-50-0002 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500002	00570796	01	CO	500002 AS BUILT PS-5 & 6 MCC-A CUBICLE CONTROLS
500002	00809075	01	PM	50-0002 (6M) CA MECHANICAL
500002	00809070	01	PM	50-0002 (6M) TCA AUTO DUMP

TA-50-0090 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
				*** NO DATA TO REPORT FOR LISTED PERIOD.

TA-50-0066 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500066	00642500	01	CO	500066 VAULT REPAIRS

TA-50-0201 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
				*** NO DATA TO REPORT FOR LISTED PERIOD.

TA-50-0248 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500248	00818713	01	CO	500248 REPLACE WINDSOCK
500248	00626413	01	MD	500248 CONNECT BOTH SUMPS IN 50-248 TO 1 RELAY FOR MONITORIN
500248	00803247	01	PM	50-248 MIXERS: 6-MO PM (LUBRICATION)
500248	00806821	01	PM	500248 PUMPS 3MO PM
500248	00811956	01	PM	50-248 TK-3: 1-YR PM (VISUAL INSPECTION)

TA-50-0257 Work Completion Report (01-01-2025 to 03-31-2025)

Unit	Work Order	WO	WO Type	Task Title
500257	00571022	01	CO	500257 REPLACE SUMP PUMPS IN EVAPORATOR SECONDARY CONTAIN.
500257	00611303	01	CO	500001 REPLACE THE CIRCULATION PUMP IN ROOM 34B
500257	00638048	01	MD	500257 INSTALL HEAT TRACE
500257	00809235	01	PM	50-257 EVAP BOILER (3M) PM
500257	00811952	01	PM	50-257 6MO EVAP FAN MECHANICAL PM

DP-1132 Report: First Quarter 2025 RLWTF Maintenance

Acronyms used by LANL Maintenance:

ASE air sampler, exhaust
BHW boiler, hot water
CA compressed air
DAD dessicant air dryer
EB exhaust bank
EH exhaust heater
FAR filter, air replaceable
FE fan, exhaust
FEXT fire extinguisher
HEPA high-efficiency particulate air
HUE heater unit, electric

LPT lightning protection
LTE lights, emergency
LTET lights, emergency, tritium
LTNT lights, non-tritium
PRV pressure reducing valve
PV pump, vacuum
RCA radiological control area
SHS shower, safety
SPH sprinkler pipe, dry
SPW sprinkler pipe, wet
TCA tank, compressed air

Attachment 3

RLWTF Daily Influent and Effluent Volumes

EPC-DO: 25-111

LA-UR-25-23485

Date: April 30, 2025

**DP-1132 Report: First Quarter 2025
RLWTF Daily Influent and Effluent**

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
Totals, 2025-Q1	296,443	0	212,974	0	330
Sub-total, Jan.	115,255	0	63,285	0	126
Sub-total, Feb.	92,808	0	94,678	0	0
Sub-total, Mar.	88,380	0	55,011	0	204

All flows are in Liters.

1-Jan	1,287	0	0	0	0
2-Jan	379	0	0	0	0
3-Jan	1,393	0	0	0	0
4-Jan	1,098	0	0	0	0
5-Jan	1,098	0	0	0	0
6-Jan	2,099	0	0	0	0
7-Jan	5,829	0	0	0	0
8-Jan	6,927	0	0	0	0
9-Jan	4,504	0	0	0	0
10-Jan	3,444	0	0	0	0
11-Jan	424	0	0	0	0
12-Jan	1,056	0	0	0	0
13-Jan	6,325	0	0	0	0
14-Jan	11,071	0	0	0	0
15-Jan	5,905	0	0	0	0
16-Jan	4,883	0	0	0	0
17-Jan	2,487	0	0	0	0
18-Jan	1,934	0	0	0	0
19-Jan	1,953	0	0	0	0
20-Jan	1,771	0	0	0	0
21-Jan	8,225	0	0	0	0
22-Jan	6,987	0	0	0	0
23-Jan	3,331	0	0	0	0
24-Jan	2,120	0	0	0	0
25-Jan	1,514	0	0	0	0
26-Jan	1,514	0	0	0	0
27-Jan	4,428	0	0	0	0
28-Jan	7,267	0	63,285	0	126
29-Jan	5,375	0	0	0	0
30-Jan	5,980	0	0	0	0
31-Jan	2,650	0	0	0	0

**DP-1132 Report: First Quarter 2025
RLWTF Daily Influent and Effluent**

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
1-Feb	1,211	0	0	0	0
2-Feb	795	0	0	0	0
3-Feb	2,195	0	0	0	0
4-Feb	3,823	0	0	0	0
5-Feb	2,157	0	0	0	0
6-Feb	2,460	0	0	0	0
7-Feb	4,315	0	0	0	0
8-Feb	757	0	0	0	0
9-Feb	454	0	0	0	0
10-Feb	2,914	0	0	0	0
11-Feb	3,407	0	62,967	0	0
12-Feb	2,536	0	0	0	0
13-Feb	3,823	0	0	0	0
14-Feb	4,996	0	0	0	0
15-Feb	3,331	0	0	0	0
16-Feb	3,104	0	0	0	0
17-Feb	3,331	0	0	0	0
18-Feb	6,775	0	0	0	0
19-Feb	5,980	0	31,711	0	0
20-Feb	6,699	0	0	0	0
21-Feb	5,640	0	0	0	0
22-Feb	568	0	0	0	0
23-Feb	568	0	0	0	0
24-Feb	3,747	0	0	0	0
25-Feb	6,094	0	0	0	0
26-Feb	2,120	0	0	0	0
27-Feb	5,488	0	0	0	0
28-Feb	3,520	0	0	0	0

DP-1132 Report: First Quarter 2025
RLWTF Daily Influent and Effluent

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
1-Mar	1,665	0	0	0	0
2-Mar	681	0	0	0	0
3-Mar	3,747	0	0	0	0
4-Mar	4,164	0	0	0	0
5-Mar	4,277	0	55,011	0	0
6-Mar	2,763	0	0	0	0
7-Mar	2,271	0	0	0	0
8-Mar	1,136	0	0	0	0
9-Mar	643	0	0	0	0
10-Mar	3,974	0	0	0	0
11-Mar	5,375	0	0	0	0
12-Mar	9,765	0	0	0	0
13-Mar	3,217	0	0	0	0
14-Mar	2,195	0	0	0	0
15-Mar	1,060	0	0	0	0
16-Mar	1,173	0	0	0	0
17-Mar	2,082	0	0	0	0
18-Mar	2,422	0	0	0	0
19-Mar	5,337	0	0	0	0
20-Mar	3,936	0	0	0	0
21-Mar	1,060	0	0	0	0
22-Mar	5,526	0	0	0	0
23-Mar	681	0	0	0	0
24-Mar	3,558	0	0	0	0
25-Mar	2,385	0	0	0	204
26-Mar	3,558	0	0	0	0
27-Mar	4,542	0	0	0	0
28-Mar	1,855	0	0	0	0
29-Mar	1,098	0	0	0	0
30-Mar	492	0	0	0	0
31-Mar	1,741	0	0	0	0

Attachment 4
Monthly Treated Effluent Sampling
Results

EPC-DO: 25-111

LA-UR-25-23485

Date: April 30, 2025

Attachment 4

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on January 28, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units ¹	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-339074	NPDES Outfall 051	01/28/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	1.67	0.0415
NP051-25-339074	NPDES Outfall 051	01/28/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	1.67	0.523
NP051-25-339074	NPDES Outfall 051	01/28/2025	309-00-2	Aldrin	0.00681	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.00681	0.00198
NP051-25-339075	NPDES Outfall 051	01/28/2025	Al	Aluminum	19.3	ug/L	U	N	F	2025-338	REG	EPA-200.8	19.3	5,000
NP051-25-339074	NPDES Outfall 051	01/28/2025	120-12-7	Anthracene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	1,720
NP051-25-339075	NPDES Outfall 051	01/28/2025	Sb	Antimony	1	ug/L	U	N	F	2025-338	REG	EPA-200.8	1	6
NP051-25-339074	NPDES Outfall 051	01/28/2025	12674-11-2	Acroclor-1016	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	11104-28-2	Acroclor-1221	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	11141-16-5	Acroclor-1232	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	53469-21-9	Acroclor-1242	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	12672-29-6	Acroclor-1248	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	11097-69-1	Acroclor-1254	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	11096-82-5	Acroclor-1260	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339074	NPDES Outfall 051	01/28/2025	Tot Acroclor	Total Acroclors for sum of all acroclors	0.0333	ug/L	U	N	UF	2025-338	REG	SW-846:8082A	0.0333	0.5
NP051-25-339075	NPDES Outfall 051	01/28/2025	As	Arsenic	2	ug/L	U	N	F	2025-338	REG	EPA-200.8	2	10
NP051-25-339074	NPDES Outfall 051	01/28/2025	1912-24-9	Atrazine	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	3
NP051-25-339074	NPDES Outfall 051	01/28/2025	103-33-3	Azobenzene	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.78
NP051-25-339075	NPDES Outfall 051	01/28/2025	Ba	Barium	0.67	ug/L	U	N	F	2025-338	REG	EPA-200.8	0.67	2,000
NP051-25-339074	NPDES Outfall 051	01/28/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	92-87-5	Benzidine	3.9	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3.9	0.00109
NP051-25-339074	NPDES Outfall 051	01/28/2025	50-32-8	Benzol(al)prene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	0.2
NP051-25-339074	NPDES Outfall 051	01/28/2025	205-99-2	Benzol(b)fluoranthene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	0.343
NP051-25-339074	NPDES Outfall 051	01/28/2025	207-08-9	Benzol(k)fluoranthene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	3.432
NP051-25-339075	NPDES Outfall 051	01/28/2025	Be	Beryllium	0.2	ug/L	U	N	F	2025-338	REG	EPA-200.8	0.2	4
NP051-25-339074	NPDES Outfall 051	01/28/2025	319-84-6	BHC(alpha)-]	0.00681	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.00681	0.0693
NP051-25-339074	NPDES Outfall 051	01/28/2025	319-85-7	BHC(beta)-]	0.145	ug/L	UJ	N	UF	2025-338	REG	SW-846:8081B	0.00681	0.243
NP051-25-339074	NPDES Outfall 051	01/28/2025	58-89-9	BHC(gamma)-]	0.00681	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.00681	0.415
NP051-25-339074	NPDES Outfall 051	01/28/2025	111-44-4	Bi(42-chloroethyl)ether	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.137
NP051-25-339074	NPDES Outfall 051	01/28/2025	117-81-7	Bi(2-ethylhexyl)phthalate	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	55.6
NP051-25-339075	NPDES Outfall 051	01/28/2025	B	Boron	76.8	ug/L	NQ	Y	F	2025-338	REG	EPA-200.7	15	750
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-27-4	Bromodichloromethane	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	1.34
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-25-2	Bromodiform	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	32.9
NP051-25-339074	NPDES Outfall 051	01/28/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.337	7.54
NP051-25-339075	NPDES Outfall 051	01/28/2025	Cd	Cadmium	0.3	ug/L	U	N	F	2025-338	REG	EPA-200.8	0.3	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	57-74-9	Chlordane(alpha/gamma)	0.0784	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0784	0.448
NP051-25-339075	NPDES Outfall 051	01/28/2025	Cl(-1)	Chloride	53.4	mg/L	NQ	Y	F	2025-338	REG	EPA-300.0	0.67	250
NP051-25-339074	NPDES Outfall 051	01/28/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	77.6
NP051-25-339074	NPDES Outfall 051	01/28/2025	67-66-3	Chloroform	5.31	ug/L	NQ	Y	UF	2025-338	REG	SW-846:8260D	0.333	100
NP051-25-339074	NPDES Outfall 051	01/28/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	20.3
NP051-25-339075	NPDES Outfall 051	01/28/2025	Cr	Chromium	3	ug/L	U	N	F	2025-338	REG	EPA-200.8	3	50
NP051-25-339075	NPDES Outfall 051	01/28/2025	Co	Cobalt	0.349	ug/L	J	Y	F	2025-338	REG	EPA-200.8	0.3	50
NP051-25-339075	NPDES Outfall 051	01/28/2025	Cu	Copper	1.61	ug/L	J	Y	F	2025-338	REG	EPA-200.8	0.3	1,000
NP051-25-339075	NPDES Outfall 051	01/28/2025	CNT(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-338	REG	EPA-335.4	0.00167	0.2
NP051-25-339074	NPDES Outfall 051	01/28/2025	50-29-3	DDT[4,4-]	0.0102	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0102	2.29
NP051-25-339074	NPDES Outfall 051	01/28/2025	106-93-4	Dibromomethane[1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	0.05
NP051-25-339074	NPDES Outfall 051	01/28/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	600
NP051-25-339074	NPDES Outfall 051	01/28/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	75
NP051-25-339074	NPDES Outfall 051	01/28/2025	91-94-1	Dichlorobenzidine[3,3'-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1.25
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.355	197
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	25
NP051-25-339074	NPDES Outfall 051	01/28/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	7
NP051-25-339074	NPDES Outfall 051	01/28/2025	156-59-2	Dichloroethene[is-1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	70
NP051-25-339074	NPDES Outfall 051	01/28/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	100
NP051-25-339074	NPDES Outfall 051	01/28/2025	120-83-2	Dichlorophenol[2,4-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	45.3
NP051-25-339074	NPDES Outfall 051	01/28/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on January 28, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units ¹	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-339074	NPDES Outfall 051	01/28/2025	542-75-6	Dichloropropene[<i>cis</i> /trans-1,3-]	0.5	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.5	4.71
NP051-25-339074	NPDES Outfall 051	01/28/2025	60-57-1	Dieldrin	0.0102	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0102	0.0175
NP051-25-339074	NPDES Outfall 051	01/28/2025	84-66-2	Diethylphthalate	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	14.800
NP051-25-339074	NPDES Outfall 051	01/28/2025	131-11-3	Dimethyl Phthalate	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	612
NP051-25-339074	NPDES Outfall 051	01/28/2025	84-74-2	Di-n-Butylphthalate	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	885
NP051-25-339074	NPDES Outfall 051	01/28/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1.52
NP051-25-339074	NPDES Outfall 051	01/28/2025	51-28-5	Dinitrophenol[2,4-]	5	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	5	38.7
NP051-25-339074	NPDES Outfall 051	01/28/2025	121-14-2	Dinitrotoluene[2,4-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	2.37
NP051-25-339074	NPDES Outfall 051	01/28/2025	606-20-2	Dinitrotoluene[2,6-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.485
NP051-25-339074	NPDES Outfall 051	01/28/2025	123-91-1	Dioxane[1,4-]	3	ug/L	UJ	N	UF	2025-338	REG	SW-846:8270E	3	4.59
NP051-25-339074	NPDES Outfall 051	01/28/2025	122-39-4	Diphenylamine	0.0681	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.0681	1.22
NP051-25-339074	NPDES Outfall 051	01/28/2025	959-98-8	Endosulfan I	0.0681	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0681	98.7
NP051-25-339074	NPDES Outfall 051	01/28/2025	33213-65-9	Endosulfan II	0.0102	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0102	98.7
NP051-25-339074	NPDES Outfall 051	01/28/2025	72-20-8	Endrin	0.0102	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0102	2.23
NP051-25-339074	NPDES Outfall 051	01/28/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	700
NP051-25-339074	NPDES Outfall 051	01/28/2025	206-44-0	Fluoranthene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	802
NP051-25-339074	NPDES Outfall 051	01/28/2025	86-73-7	Fluorene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	288
NP051-25-339075	NPDES Outfall 051	01/28/2025	F(-1)	Fluoride	0.0526	mg/L	J	Y	F	2025-338	REG	EPA-300.0	0.033	1.6
NP051-25-339074	NPDES Outfall 051	01/28/2025	76-44-8	Heptachlor	0.0681	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.0681	0.02211
NP051-25-339074	NPDES Outfall 051	01/28/2025	118-74-1	Hexachlorobenzene	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.0976
NP051-25-339074	NPDES Outfall 051	01/28/2025	87-68-3	Hexachlorobutadiene	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1.39
NP051-25-339074	NPDES Outfall 051	01/28/2025	77-47-4	Hexachlorocyclopentadiene	3	ug/L	UJ	N	UF	2025-338	REG	SW-846:8270E	3	0.411
NP051-25-339074	NPDES Outfall 051	01/28/2025	67-72-1	Hexachloroethane	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	3.28
NP051-25-339074	NPDES Outfall 051	01/28/2025	2691-41-0	HMX	0.32	ug/L	U	N	UF	2025-338	REG	SW-846:8330B	0.32	1,000
NP051-25-339075	NPDES Outfall 051	01/28/2025	Fe	Iron	30	ug/L	U	N	F	2025-338	REG	EPA-200.7	30	1,000
NP051-25-339074	NPDES Outfall 051	01/28/2025	78-59-1	Isophorone	3.5	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3.5	781
NP051-25-339075	NPDES Outfall 051	01/28/2025	Pb	Lead	0.5	ug/L	U	N	F	2025-338	REG	EPA-200.8	0.5	15
NP051-25-339075	NPDES Outfall 051	01/28/2025	Mn	Manganese	2	ug/L	U	N	F	2025-338	REG	EPA-200.7	2	200
NP051-25-339074	NPDES Outfall 051	01/28/2025	Hg	Mercury	0.067	ug/L	U	N	UF	2025-338	REG	EPA-245.2	0.067	2
NP051-25-339075	NPDES Outfall 051	01/28/2025	Hg	Mercury	0.067	ug/L	U	N	F	2025-338	REG	EPA-245.2	0.067	2
NP051-25-339074	NPDES Outfall 051	01/28/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	100
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-09-2	Methylene Chloride	0.5	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.5	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	90-12-0	Methylnaphthalene[1-]	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	11.4
NP051-25-339074	NPDES Outfall 051	01/28/2025	91-57-6	Methylnaphthalene[2-]	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	35.1
NP051-25-339075	NPDES Outfall 051	01/28/2025	Mo	Molybdenum	0.2	ug/L	U	N	F	2025-338	REG	EPA-200.8	0.2	1,000
NP051-25-339074	NPDES Outfall 051	01/28/2025	91-20-3	Naphthalene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	30
NP051-25-339075	NPDES Outfall 051	01/28/2025	Ni	Nickel	0.6	ug/L	U	N	F	2025-338	REG	EPA-200.8	0.6	200
NP051-25-339075	NPDES Outfall 051	01/28/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	1.55	mg/L	NQ	Y	F	2025-338	REG	EPA-353.2	0.085	10
NP051-25-339128	NPDES Outfall 051	01/28/2025	NO2-N	Nitrite as Nitrogen	0.033	mg/L	U	N	F	2025-331	REG	EPA-300.0	0.033	1
NP051-25-339074	NPDES Outfall 051	01/28/2025	98-95-3	Nitrobenzene	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1.4
NP051-25-339074	NPDES Outfall 051	01/28/2025	55-18-5	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.00167
NP051-25-339074	NPDES Outfall 051	01/28/2025	62-75-9	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.00491
NP051-25-339074	NPDES Outfall 051	01/28/2025	924-16-3	Nitroso-di-n-butylamine[N-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.0273
NP051-25-339074	NPDES Outfall 051	01/28/2025	930-55-2	Nitrosopyrrolidine[N-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	0.37
NP051-25-339074	NPDES Outfall 051	01/28/2025	108-60-1	Oxybis(1-chloropropane)[2,2-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	9.81
NP051-25-339074	NPDES Outfall 051	01/28/2025	608-93-5	Pentachlorobenzene	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	3.07
NP051-25-339074	NPDES Outfall 051	01/28/2025	87-86-5	Pentachlorophenol	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1
NP051-25-339074	NPDES Outfall 051	01/28/2025	ClO4	Perchlorate	0.05	ug/L	U	N	UF	2025-338	REG	SW-846:6850	0.05	13.8
NP051-25-339074	NPDES Outfall 051	01/28/2025	355-46-4	Perfluorohexanesulfonic acid	0.652	ng/L	U	N	UF	2025-338	REG	EPA-537M	0.652	401
NP051-25-339074	NPDES Outfall 051	01/28/2025	1763-23-1	Perfluorooctanesulfonic acid	0.79	ng/L	U	N	UF	2025-338	REG	EPA-537M	0.79	60.2
NP051-25-339074	NPDES Outfall 051	01/28/2025	335-67-1	Perfluorooctanoic acid	0.79	ng/L	U	N	UF	2025-338	REG	EPA-537M	0.79	60.2
NP051-25-339074	NPDES Outfall 051	01/28/2025	pH	pH	6.8	SU								6-9
NP051-25-339074	NPDES Outfall 051	01/28/2025	85-01-8	Phenanthrene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	170
NP051-25-339074	NPDES Outfall 051	01/28/2025	108-95-2	Phenol	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	1610-18-0	Prometon	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	250
NP051-25-339074	NPDES Outfall 051	01/28/2025	129-00-0	Pyrene	0.3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	0.3	117
NP051-25-339074	NPDES Outfall 051	01/28/2025	Ra-226+228	Radium-226 and Radium-228	0.892	pCi/L	UJ	N	UF	2025-338	REG	Generic-Radium by Calculation	-	5

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on January 28, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units ¹	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-339074	NPDES Outfall 051	01/28/2025	Ra-226+228	Radium-226 and Radium-228	0.355	pg/L	UJ	N	UF	2025-338	FD	Generic:Radium by Calculation	-	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	121-82-4	RDX	0.32	ug/L	U	N	UF	2025-338	REG	SW-846:82308	0.32	9.66
NP051-25-339074	NPDES Outfall 051	01/28/2025	Se	Selenium	1.5	ug/L	U	N	F	2025-338	REG	EPA:200.8	1.5	50
NP051-25-339075	NPDES Outfall 051	01/28/2025	Ag	Silver	0.3	ug/L	U	N	F	2025-338	REG	EPA:200.8	0.3	50
NP051-25-339074	NPDES Outfall 051	01/28/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	100
NP051-25-339075	NPDES Outfall 051	01/28/2025	504(-2)	Sulfate	0.683	mg/L	NQ	Y	F	2025-338	REG	EPA:300.0	0.133	600
NP051-25-339074	NPDES Outfall 051	01/28/2025	126-33-0	Sulfone	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	20
NP051-25-339074	NPDES Outfall 051	01/28/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1.66
NP051-25-339074	NPDES Outfall 051	01/28/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	10
NP051-25-339074	NPDES Outfall 051	01/28/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5
NP051-25-339075	NPDES Outfall 051	01/28/2025	TI	Thallium	0.6	ug/L	U	N	F	2025-338	REG	EPA:200.8	0.6	2
NP051-25-339074	NPDES Outfall 051	01/28/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	1,000
NP051-25-339075	NPDES Outfall 051	01/28/2025	TDS	Total Dissolved Solids	148	mg/L	NQ	Y	F	2025-338	REG	EPA:160.1	2.38	1,000
NP051-25-339075	NPDES Outfall 051	01/28/2025	TKN	Total Kjeldahl Nitrogen	1.59	mg/L	J	Y	F	2025-338	REG	EPA:351.2	0.033	15
NP051-25-339074	NPDES Outfall 051	01/28/2025	8001-35-2	Toxaphene (Technical Grade)	0.154	ug/L	U	N	UF	2025-338	REG	SW-846:8081B	0.154	0.158
NP051-25-339074	NPDES Outfall 051	01/28/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	70
NP051-25-339074	NPDES Outfall 051	01/28/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	200
NP051-25-339074	NPDES Outfall 051	01/28/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	5
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	1,140
NP051-25-339074	NPDES Outfall 051	01/28/2025	95-95-4	Trichlorophenol[2,4,5-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1,170
NP051-25-339074	NPDES Outfall 051	01/28/2025	88-06-2	Trichlorophenol[2,4,6-]	3	ug/L	U	N	UF	2025-338	REG	SW-846:8270E	3	1,19
NP051-25-339074	NPDES Outfall 051	01/28/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.32	ug/L	U	N	UF	2025-338	REG	SW-846:83308	0.32	9.8
NP051-25-339075	NPDES Outfall 051	01/28/2025	U	Uranium	0.067	ug/L	U	N	F	2025-338	REG	EPA:200.8	0.067	30
NP051-25-339074	NPDES Outfall 051	01/28/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	2
NP051-25-339074	NPDES Outfall 051	01/28/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	1	620
NP051-25-339074	NPDES Outfall 051	01/28/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.333	193
NP051-25-339074	NPDES Outfall 051	01/28/2025	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-338	REG	SW-846:8260D	0.5	386
NP051-25-339075	NPDES Outfall 051	01/28/2025	Zn	Zinc	4.72	ug/L	J	Y	F	2025-338	REG	EPA:200.7	3.3	10,000

Notes:

¹ug/L - micrograms per liter
mg/L - milligrams per liter
ng/L - nanograms per liter
SU - standard units
pCi/L - picocuries per liter

²U - The analyte is classified as not detected

UJ - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual

NQ - No validation qualifier flag is associated with this result, and the analyte is classified as detected

J - The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual

³N - In the Detected column means the analyte was not detected

Y - In the Detected column means the analyte was detected

⁴UF - In the Field Preparation Code column means the sample was not filtered

F - In the Field Preparation Code column means the sample was filtered

⁵REG - In the Sample Purpose column means the sample was a regular sample

FD - In the Sample Purpose column means the sample was a field duplicate

⁶ There is not a Report Detection Limit for Radium-226 and Radium-228 since this result is calculated

⁷ Groundwater Limit represents standards for groundwater as identified in 20.6.2.3.103 NMAC where available, otherwise the value represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for diphenylhydrazine reported as azobenzene, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for N-nitrosodiphenylamine reported as diphenylamine, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for combined Endosulfan I and Endosulfan II is 98.7 ug/L, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Total Kjeldahl Nitrogen does not contain either a 20.6.2.3.103 NMAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit; The DP-1132 standard for Total Nitrogen is 15 mg/L (Condition No. 16)

Groundwater Limit for combined Naphthalene plus monomethylnaphthalenes is 30 ug/L, which represents the NMAC 20.6.2.3.103 Groundwater Standard

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on February 11, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-330077	NPDES Outfall 051	02/11/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	1.67	0.0415
NP051-25-330077	NPDES Outfall 051	02/11/2025	107-13-1	Acrolein	1.67	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	1.67	0.523
NP051-25-330077	NPDES Outfall 051	02/11/2025	309-00-2	Adrin	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.00198
NP051-25-330076	NPDES Outfall 051	02/11/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-395	REG	EPA-200.8	19.3	5.000
NP051-25-330077	NPDES Outfall 051	02/11/2025	170-12-7	Anthracene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	1.720
NP051-25-330076	NPDES Outfall 051	02/11/2025	SB	Antimony	1	ug/L	U	N	F	2025-395	REG	EPA-200.8	1	6
NP051-25-330077	NPDES Outfall 051	02/11/2025	12674-11-2	Aroclor-1016	0.0333	ug/L	U	N	UF	2025-395	REG	SW-846-8082A	0.0333	1.4
NP051-25-330077	NPDES Outfall 051	02/11/2025	11104-28-2	Aroclor-1221	0.0333	ug/L	U	N	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330077	NPDES Outfall 051	02/11/2025	11141-16-5	Aroclor-1232	0.0333	ug/L	U	N	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330077	NPDES Outfall 051	02/11/2025	53469-1242	Aroclor-1242	0.0333	ug/L	U	N	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330077	NPDES Outfall 051	02/11/2025	12672-29-6	Aroclor-1248	0.363	ug/L	NQ	Y	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330077	NPDES Outfall 051	02/11/2025	11097-69-1	Aroclor-1254	0.149	ug/L	NQ	Y	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330077	NPDES Outfall 051	02/11/2025	11096-82-5	Aroclor-1260	0.0333	ug/L	U	N	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330077	NPDES Outfall 051	02/11/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.411	ug/L	NQ	Y	UF	2025-395	REG	SW-846-8082A	0.0333	0.5
NP051-25-330076	NPDES Outfall 051	02/11/2025	AS	Arsenic	2	ug/L	U	N	F	2025-395	REG	EPA-200.8	2	10
NP051-25-330077	NPDES Outfall 051	02/11/2025	1912-24-9	Atrazine	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	3
NP051-25-330077	NPDES Outfall 051	02/11/2025	103-33-3	Azobenzene	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.78
NP051-25-330076	NPDES Outfall 051	02/11/2025	BA	Barium	0.67	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.670	2.000
NP051-25-330077	NPDES Outfall 051	02/11/2025	7143-2	Benzene	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	9287-5	Benzidine	3.9	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3.9	0.0109
NP051-25-330077	NPDES Outfall 051	02/11/2025	50-32-8	Benzaldehyde	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	0.2
NP051-25-330077	NPDES Outfall 051	02/11/2025	205-99-2	Benzobifluoranthene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	0.343
NP051-25-330077	NPDES Outfall 051	02/11/2025	207-08-9	Benzofluoranthene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	3.43
NP051-25-330076	NPDES Outfall 051	02/11/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.2	4
NP051-25-330077	NPDES Outfall 051	02/11/2025	319-84-6	BHC(alpha)	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.0693
NP051-25-330077	NPDES Outfall 051	02/11/2025	319-85-7	BHC(beta)	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.243
NP051-25-330077	NPDES Outfall 051	02/11/2025	58-99-9	BHC(gamma)	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.415
NP051-25-330077	NPDES Outfall 051	02/11/2025	111-44-4	Bis(2-chloroethyl)ether	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.137
NP051-25-330077	NPDES Outfall 051	02/11/2025	117-81-7	Bis(2-ethoxyethyl)phthalate	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	55.6
NP051-25-330076	NPDES Outfall 051	02/11/2025	B	Boron	44.1	ug/L	J	Y	F	2025-395	REG	EPA-200.7	15	750
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-27-4	Bromodichloromethane	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	1.34
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-25-2	Bromoforn	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	32.9
NP051-25-330077	NPDES Outfall 051	02/11/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.337	7.54
NP051-25-330076	NPDES Outfall 051	02/11/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	57-74-9	Chloroacetaldehyde(gamma)	0.0787	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.0787	0.448
NP051-25-330077	NPDES Outfall 051	02/11/2025	5103-71-9	Chloroacetaldehyde(alpha)	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.448
NP051-25-330077	NPDES Outfall 051	02/11/2025	5103-74-2	Chloroacetaldehyde(gamma)	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.448
NP051-25-330076	NPDES Outfall 051	02/11/2025	CU-1)	Chloride	52.4	mg/L	NQ	Y	F	2025-395	REG	EPA-300.0	1.34	250
NP051-25-330077	NPDES Outfall 051	02/11/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	77.6
NP051-25-330077	NPDES Outfall 051	02/11/2025	67-66-3	Chloroform	7.23	ug/L	NQ	Y	UF	2025-395	REG	SW-846-8260D	0.333	100
NP051-25-330077	NPDES Outfall 051	02/11/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	20.3
NP051-25-330076	NPDES Outfall 051	02/11/2025	CR	Chromium	3	ug/L	U	N	F	2025-395	REG	EPA-200.8	3	50
NP051-25-330076	NPDES Outfall 051	02/11/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.3	50
NP051-25-330076	NPDES Outfall 051	02/11/2025	CU	Copper	0.3	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.3	1.000
NP051-25-330076	NPDES Outfall 051	02/11/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-395	REG	EPA-335.4	0.00167	200
NP051-25-330077	NPDES Outfall 051	02/11/2025	50-29-3	DDT(4,4')	0.0103	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.0103	2.29
NP051-25-330077	NPDES Outfall 051	02/11/2025	84-74-2	Di-n-butylphthalate	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	885
NP051-25-330077	NPDES Outfall 051	02/11/2025	106-93-4	Dibromomethane[1,2]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	0.05
NP051-25-330077	NPDES Outfall 051	02/11/2025	95-50-1	Dichlorobenzene[1,1-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	600
NP051-25-330077	NPDES Outfall 051	02/11/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	75
NP051-25-330077	NPDES Outfall 051	02/11/2025	91-94-1	Dichlorobenzidine[3,3']	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1.25
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.355	197
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	25
NP051-25-330077	NPDES Outfall 051	02/11/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	7
NP051-25-330077	NPDES Outfall 051	02/11/2025	156-59-2	Dichloroethene[1,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	70
NP051-25-330077	NPDES Outfall 051	02/11/2025	156-60-5	Dichloroethene[trans-4,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	100
NP051-25-330077	NPDES Outfall 051	02/11/2025	120-82-2	Dichlorophenol[2,4-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	45.3
NP051-25-330077	NPDES Outfall 051	02/11/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	842-75-6	Dichloropropene[1,2-trans-1,3-]	0.5	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.5	4.71
NP051-25-330077	NPDES Outfall 051	02/11/2025	60-57-1	Dieldrin	0.0103	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.0103	0.0175
NP051-25-330077	NPDES Outfall 051	02/11/2025	84-66-2	Diethylphthalate	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	14.800
NP051-25-330077	NPDES Outfall 051	02/11/2025	131-11-3	Dimethyl Phthalate	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	612
NP051-25-330077	NPDES Outfall 051	02/11/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1.52
NP051-25-330077	NPDES Outfall 051	02/11/2025	51-28-5	Dinitrophenol[2,4-]	5	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	5	38.7
NP051-25-330077	NPDES Outfall 051	02/11/2025	121-14-2	Dinitrophenol[2,4-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	2.37
NP051-25-330077	NPDES Outfall 051	02/11/2025	606-20-2	Dinitrophenol[2,6-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.485
NP051-25-330077	NPDES Outfall 051	02/11/2025	123-91-1	Dioxane[1,4-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	4.59
NP051-25-330077	NPDES Outfall 051	02/11/2025	122-39-4	Diphenylamine	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	122
NP051-25-330077	NPDES Outfall 051	02/11/2025	959-98-8	Endosulfan I	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	98.7
NP051-25-330077	NPDES Outfall 051	02/11/2025	33213-65-9	Endosulfan II	0.0103	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.0103	98.7

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on February 11, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-330077	NPDES Outfall 051	02/11/2025	72-20-8	Endrin	0.0103	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.0103	2.23
NP051-25-330077	NPDES Outfall 051	02/11/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	700
NP051-25-330077	NPDES Outfall 051	02/11/2025	206-44-0	Fluoranthene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	802
NP051-25-330076	NPDES Outfall 051	02/11/2025	86-73-7	Fluorene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	288
NP051-25-330077	NPDES Outfall 051	02/11/2025	F(-)	Fluoride	0.033	mg/L	U	N	F	2025-395	REG	EPA-300.0	0.033	1.6
NP051-25-330077	NPDES Outfall 051	02/11/2025	76-44-8	Heptachlor	0.00684	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.00684	0.0221
NP051-25-330077	NPDES Outfall 051	02/11/2025	118-74-1	Hexachlorobenzene	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.0976
NP051-25-330077	NPDES Outfall 051	02/11/2025	87-68-3	Hexachlorobutadiene	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1.39
NP051-25-330077	NPDES Outfall 051	02/11/2025	77-47-4	Hexachlorocyclopentadiene	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.411
NP051-25-330077	NPDES Outfall 051	02/11/2025	67-72-1	Hexachloroethane	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	3.28
NP051-25-330077	NPDES Outfall 051	02/11/2025	2691-431-0	HMX	0.0816	ug/L	U	N	UF	2025-395	REG	SW-846-8330B	0.0816	1000
NP051-25-330076	NPDES Outfall 051	02/11/2025	FE	Iron	30	ug/L	U	N	F	2025-395	REG	EPA-200.7	30	1000
NP051-25-330077	NPDES Outfall 051	02/11/2025	78-59-1	Isophorone	3.5	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3.5	781
NP051-25-330076	NPDES Outfall 051	02/11/2025	PB	Lead	0.5	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.5	15
NP051-25-330076	NPDES Outfall 051	02/11/2025	MN	Manganese	2	ug/L	U	N	F	2025-395	REG	EPA-200.7	2	200
NP051-25-330076	NPDES Outfall 051	02/11/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-395	REG	EPA-245.2	0.067	2
NP051-25-330077	NPDES Outfall 051	02/11/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-395	REG	EPA-245.2	0.067	2
NP051-25-330077	NPDES Outfall 051	02/11/2025	1634-04-4	Methyl Tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	100
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-09-2	Methylene Chloride	0.5	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.5	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	90-12-0	Methylnaphthalene[1]	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	11.4
NP051-25-330077	NPDES Outfall 051	02/11/2025	91-57-6	Methylnaphthalene[2]	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	35.1
NP051-25-330076	NPDES Outfall 051	02/11/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.2	1000
NP051-25-330077	NPDES Outfall 051	02/11/2025	91-20-3	Naphthalene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	30
NP051-25-330076	NPDES Outfall 051	02/11/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.6	200
NP051-25-330076	NPDES Outfall 051	02/11/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.217	mg/L	NQ	Y	F	2025-395	REG	EPA-353.2	0.017	10
NP051-25-330129	NPDES Outfall 051	02/11/2025	NO2-N	Nitrite as Nitrogen	0.0415	mg/L	J	Y	F	2025-384	REG	EPA-300.0	0.033	1
NP051-25-330077	NPDES Outfall 051	02/11/2025	98-95-3	Nitrobenzene	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1.4
NP051-25-330077	NPDES Outfall 051	02/11/2025	924-16-3	Nitroso-dimethylamine[N1]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.0273
NP051-25-330077	NPDES Outfall 051	02/11/2025	55-18-5	Nitrosodimethylamine[N1]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.00167
NP051-25-330077	NPDES Outfall 051	02/11/2025	62-75-9	Nitrosodimethylamine[N1]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.00491
NP051-25-330077	NPDES Outfall 051	02/11/2025	930-55-2	Nitropropylrolidine[N1]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	0.37
NP051-25-330077	NPDES Outfall 051	02/11/2025	108-60-1	Oxybis[1-chloropropane][2,2-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	9.81
NP051-25-330077	NPDES Outfall 051	02/11/2025	608-93-5	Pentachlorobenzene	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	3.07
NP051-25-330077	NPDES Outfall 051	02/11/2025	87-86-5	Pentachlorophenol	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1
NP051-25-330077	NPDES Outfall 051	02/11/2025	ClO4	Perchlorate	0.05	ug/L	U	N	UF	2025-395	REG	SW-846-6850	0.05	13.8
NP051-25-330077	NPDES Outfall 051	02/11/2025	355-46-4	Perfluorooctanesulfonic acid	0.633	mg/L	U	N	UF	2025-395	REG	EPA-537M	0.633	0.401
NP051-25-330077	NPDES Outfall 051	02/11/2025	1763-23-1	Perfluorooctanesulfonic acid	0.767	mg/L	U	N	UF	2025-395	REG	EPA-537M	0.767	0.0602
NP051-25-330077	NPDES Outfall 051	02/11/2025	335-67-1	Perfluorooctanoic acid	0.767	mg/L	U	N	UF	2025-395	REG	EPA-537M	0.767	0.0602
NP051-25-330077	NPDES Outfall 051	02/11/2025	pH	pH	6.9	SU								6-9
NP051-25-330077	NPDES Outfall 051	02/11/2025	85-01-8	Phenanthrene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	170
NP051-25-330077	NPDES Outfall 051	02/11/2025	108-95-2	Phenol	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	1610-18-0	Prometon	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	250
NP051-25-330077	NPDES Outfall 051	02/11/2025	129-00-0	Pyrene	0.3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	0.3	117
NP051-25-330077	NPDES Outfall 051	02/11/2025	RA-226+228	Radium-226 and Radium-228	1.28	pCi/L	J	Y	UF	2025-395	REG	Generic Radium by Calculation	-	5
NP051-25-330169	NPDES Outfall 051	02/11/2025	RA-226+228	Radium-226 and Radium-228	0.79	pCi/L	U	N	UF	2025-397	FD	Generic Radium by Calculation	-	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	121-82-4	ROX	0.0816	ug/L	U	N	UF	2025-395	REG	SW-846-8330B	0.0816	9.66
NP051-25-330076	NPDES Outfall 051	02/11/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-395	REG	EPA-200.8	1.5	50
NP051-25-330076	NPDES Outfall 051	02/11/2025	AG	Silver	0.3	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.3	50
NP051-25-330076	NPDES Outfall 051	02/11/2025	100-42-5	Styrene	0.333	mg/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	100
NP051-25-330076	NPDES Outfall 051	02/11/2025	SO4(-2)	Sulfate	0.364	mg/L	J	Y	F	2025-395	REG	EPA-300.0	0.133	600
NP051-25-330077	NPDES Outfall 051	02/11/2025	136-33-0	Sulfonate	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	20
NP051-25-330077	NPDES Outfall 051	02/11/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1.66
NP051-25-330077	NPDES Outfall 051	02/11/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	10
NP051-25-330077	NPDES Outfall 051	02/11/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330076	NPDES Outfall 051	02/11/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.6	2
NP051-25-330077	NPDES Outfall 051	02/11/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	1000
NP051-25-330076	NPDES Outfall 051	02/11/2025	TD5	Total Dissolved Solids	146	mg/L	NQ	Y	F	2025-395	REG	EPA-160.1	2.38	1000
NP051-25-330076	NPDES Outfall 051	02/11/2025	TKN	Total Kjeldahl Nitrogen	4.50	mg/L	NQ	Y	F	2025-395	REG	EPA-351.2	0.132	-
NP051-25-330077	NPDES Outfall 051	02/11/2025	8001-35-2	Toxaphene (Technical Grade)	0.154	ug/L	U	N	UF	2025-395	REG	SW-846-8081B	0.154	0.158
NP051-25-330077	NPDES Outfall 051	02/11/2025	120-82-1	Trichlorobenzene[1,2,4]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	70
NP051-25-330077	NPDES Outfall 051	02/11/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	0.2
NP051-25-330077	NPDES Outfall 051	02/11/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	5
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	1.140
NP051-25-330077	NPDES Outfall 051	02/11/2025	95-95-4	Trichlorophenol[2,4,5-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	1.170
NP051-25-330077	NPDES Outfall 051	02/11/2025	88-06-2	Trichlorophenol[2,4,6-]	3	ug/L	U	N	UF	2025-395	REG	SW-846-8270E	3	11.9
NP051-25-330077	NPDES Outfall 051	02/11/2025	118-96-7	Trinitrobenzene[2,4,6-]	0.0816	ug/L	U	N	UF	2025-395	REG	SW-846-8330B	0.0816	9.8
NP051-25-330076	NPDES Outfall 051	02/11/2025	U	Uranium	0.067	ug/L	U	N	F	2025-395	REG	EPA-200.8	0.067	30
NP051-25-330077	NPDES Outfall 051	02/11/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	2
NP051-25-330077	NPDES Outfall 051	02/11/2025	1330-26-7	Xylene (Total)	1	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	1	620

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on February 11, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-330077	NPDES Outfall 051	02/11/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.333	193
NP051-25-330077	NPDES Outfall 051	02/11/2025	XYLENE[M+P]	Xylene[1,3-]Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-395	REG	SW-846-8260D	0.5	386
NP051-25-330076	NPDES Outfall 051	02/11/2025	ZN	Zinc	3.3	ug/L	U	N	F	2025-395	REG	EPA-200.7	3.3	10,000

Notes:

¹ ug/L - micrograms per liter
mg/L - milligrams per liter
ng/L - nanograms per liter
SU - standard units
pCi/L - picocuries per liter

² U - The analyte is classified as not detected
NQ - No validation qualifier flag is associated with this result, and the analyte is classified as detected

J - The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual
U - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual

³ N - In the Detected column means the analyte was not detected

Y - In the Detected column means the analyte was detected

⁴ UF - In the Field Preparation Code column means the sample was not filtered

F - In the Field Preparation Code column means the sample was filtered

⁵ REG - In the Sample Purpose column means the sample was a regular sample

FD - In the Sample Purpose column means the sample was a field duplicate

⁶ There is not a Report Detection Limit for Radium-226 and Radium-228 since this result is calculated

⁷ Groundwater Limit represents standards for groundwater as identified in 20.6.2.3103 NMAC where available, otherwise the value represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for diphenylhydrazine reported as azobenzene, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for N-nitrosodiphenylamine reported as diphenylamine, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for combined Endosulfan I and Endosulfan II is 98.7 ug/L, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Total Kjeldahl Nitrogen does not contain either a 20.6.2.3103 NMAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit; The DP-1132 standard for Total Nitrogen is 15 mg/L (Condition No. 16)

Groundwater Limit for combined Naphthalene plus monomethylnaphthalenes is 30 ug/L, which represents the NMAC 20.6.2.3103 Groundwater Standard

Attachment 4

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on March 5, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units ¹	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-339078	NPDES Outfall 051	03/05/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	1.67	0.0415
NP051-25-339078	NPDES Outfall 051	03/05/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	1.67	0.523
NP051-25-339078	NPDES Outfall 051	03/05/2025	309-00-2	Aldrin	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.00198
NP051-25-339079	NPDES Outfall 051	03/05/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-469	REG	EPA:200.8	19.3	5.000
NP051-25-339078	NPDES Outfall 051	03/05/2025	120-12-7	Anthracene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	1.720
NP051-25-339079	NPDES Outfall 051	03/05/2025	SB	Antimony	1	ug/L	U	N	F	2025-469	REG	EPA:200.8	1	6
NP051-25-339078	NPDES Outfall 051	03/05/2025	12674-11-2	Aroclor-1016	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	1.4
NP051-25-339078	NPDES Outfall 051	03/05/2025	11104-28-2	Aroclor-1221	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339078	NPDES Outfall 051	03/05/2025	11141-16-5	Aroclor-1232	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339078	NPDES Outfall 051	03/05/2025	53469-21-9	Aroclor-1242	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339078	NPDES Outfall 051	03/05/2025	12672-29-6	Aroclor-1248	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339078	NPDES Outfall 051	03/05/2025	11097-69-1	Aroclor-1254	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339078	NPDES Outfall 051	03/05/2025	11096-82-5	Aroclor-1260	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339078	NPDES Outfall 051	03/05/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0337	ug/L	U	N	UF	2025-469	REG	SW-846:8082A	0.0337	0.5
NP051-25-339079	NPDES Outfall 051	03/05/2025	AS	Arsenic	2	ug/L	U	N	F	2025-469	REG	EPA:200.8	2	10
NP051-25-339078	NPDES Outfall 051	03/05/2025	1912-24-9	Atrazine	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	3
NP051-25-339078	NPDES Outfall 051	03/05/2025	103-33-3	Azobenzene	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.78
NP051-25-339079	NPDES Outfall 051	03/05/2025	BA	Barium	0.67	ug/L	U	N	F	2025-469	REG	EPA:200.8	0.67	2.000
NP051-25-339078	NPDES Outfall 051	03/05/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	92-87-5	Benzidine	3.9	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3.9	0.00109
NP051-25-339078	NPDES Outfall 051	03/05/2025	50-32-8	Benz[a]pyrene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	0.2
NP051-25-339078	NPDES Outfall 051	03/05/2025	205-99-2	Benzob[fluoranthene]	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	0.343
NP051-25-339078	NPDES Outfall 051	03/05/2025	207-08-9	Benzok[fluoranthene]	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	3.43
NP051-25-339079	NPDES Outfall 051	03/05/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-469	REG	EPA:200.8	0.2	4
NP051-25-339078	NPDES Outfall 051	03/05/2025	319-84-6	BHC[alpha-]	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.0693
NP051-25-339078	NPDES Outfall 051	03/05/2025	319-85-7	BHC[beta-]	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.243
NP051-25-339078	NPDES Outfall 051	03/05/2025	58-89-9	BHC[gamma-]	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.415
NP051-25-339078	NPDES Outfall 051	03/05/2025	111-44-4	Bis[2-chloroethyl]ether	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.137
NP051-25-339078	NPDES Outfall 051	03/05/2025	117-81-7	Bis[2-ethylhexyl]phthalate	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	55.6
NP051-25-339079	NPDES Outfall 051	03/05/2025	B	Boron	31.7	ug/L	J	Y	F	2025-469	REG	EPA:200.7	15	750
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-27-4	Bromodichloromethane	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	1.34
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-25-2	Bromoform	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	32.9
NP051-25-339078	NPDES Outfall 051	03/05/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.337	7.54
NP051-25-339079	NPDES Outfall 051	03/05/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-469	REG	EPA:200.8	0.3	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	57-74-9	Chlordane[alpha/gamma]	0.0765	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.0765	0.448
NP051-25-339078	NPDES Outfall 051	03/05/2025	5103-71-9	Chlordane[alpha-]	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.448
NP051-25-339078	NPDES Outfall 051	03/05/2025	5103-74-2	Chlordane[gamma-]	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.448
NP051-25-339079	NPDES Outfall 051	03/05/2025	CL(-1)	Chloride	48.8	mg/L	NQ	Y	F	2025-469	REG	EPA:300.0	0.67	250
NP051-25-339078	NPDES Outfall 051	03/05/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	77.6
NP051-25-339078	NPDES Outfall 051	03/05/2025	67-66-3	Chloroform	10.1	ug/L	NQ	Y	UF	2025-469	REG	SW-846:8260D	0.333	100
NP051-25-339078	NPDES Outfall 051	03/05/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	20.3
NP051-25-339079	NPDES Outfall 051	03/05/2025	CR	Chromium	3	ug/L	U	N	F	2025-469	REG	EPA:200.8	3	50
NP051-25-339079	NPDES Outfall 051	03/05/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-469	REG	EPA:200.8	0.3	50
NP051-25-339079	NPDES Outfall 051	03/05/2025	CU	Copper	0.3	ug/L	U	N	F	2025-469	REG	EPA:200.8	0.3	1,000
NP051-25-339079	NPDES Outfall 051	03/05/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-469	REG	EPA:335.4	0.00167	200
NP051-25-339078	NPDES Outfall 051	03/05/2025	50-29-3	DDT[4,4-]	0.01	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.01	2.29
NP051-25-339078	NPDES Outfall 051	03/05/2025	84-74-2	Di-n-butylphthalate	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	885
NP051-25-339078	NPDES Outfall 051	03/05/2025	106-93-4	Dibromomethane[1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	0.05
NP051-25-339078	NPDES Outfall 051	03/05/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	600
NP051-25-339078	NPDES Outfall 051	03/05/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	75
NP051-25-339078	NPDES Outfall 051	03/05/2025	91-94-1	Dichlorobenzidine[3,3-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1.25
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.355	197
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	25
NP051-25-339078	NPDES Outfall 051	03/05/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	7
NP051-25-339078	NPDES Outfall 051	03/05/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	70
NP051-25-339078	NPDES Outfall 051	03/05/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	100

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on March 5, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units ¹	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-339078	NPDES Outfall 051	03/05/2025	120-83-2	Dichlorophenol[2,4-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	45.3
NP051-25-339078	NPDES Outfall 051	03/05/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	542-75-6	Dichloropropane[is/trans-1,3-]	0.5	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.5	4.71
NP051-25-339078	NPDES Outfall 051	03/05/2025	60-57-1	Dieldrin	0.01	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.01	0.0175
NP051-25-339078	NPDES Outfall 051	03/05/2025	84-66-2	Diethylphthalate	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	14,800
NP051-25-339078	NPDES Outfall 051	03/05/2025	131-11-3	Dimethyl Phthalate	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	612
NP051-25-339078	NPDES Outfall 051	03/05/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1.52
NP051-25-339078	NPDES Outfall 051	03/05/2025	51-28-5	Dinitrophenol[2,4-]	5	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	5	38.7
NP051-25-339078	NPDES Outfall 051	03/05/2025	121-14-2	Dinitrotoluene[2,4-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	2.37
NP051-25-339078	NPDES Outfall 051	03/05/2025	606-20-2	Dinitrotoluene[2,6-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.485
NP051-25-339078	NPDES Outfall 051	03/05/2025	123-91-1	Dioxane[1,4-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	4.59
NP051-25-339078	NPDES Outfall 051	03/05/2025	122-39-4	Diphenylamine	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	122
NP051-25-339078	NPDES Outfall 051	03/05/2025	959-98-8	Endosulfan I	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	98.7
NP051-25-339078	NPDES Outfall 051	03/05/2025	33213-65-9	Endosulfan II	0.01	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.01	98.7
NP051-25-339078	NPDES Outfall 051	03/05/2025	72-20-8	Endrin	0.01	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.01	2.23
NP051-25-339078	NPDES Outfall 051	03/05/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	700
NP051-25-339078	NPDES Outfall 051	03/05/2025	206-44-0	Fluoranthene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	802
NP051-25-339078	NPDES Outfall 051	03/05/2025	86-73-7	Fluorene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	288
NP051-25-339079	NPDES Outfall 051	03/05/2025	F(-1)	Fluoride	0.033	mg/L	U	N	F	2025-469	REG	EPA-300.0	0.033	1.6
NP051-25-339078	NPDES Outfall 051	03/05/2025	76-44-8	Heptachlor	0.00665	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.00665	0.0221
NP051-25-339078	NPDES Outfall 051	03/05/2025	118-74-1	Hexachlorobenzene	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.0976
NP051-25-339078	NPDES Outfall 051	03/05/2025	87-68-3	Hexachlorobutadiene	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1.39
NP051-25-339078	NPDES Outfall 051	03/05/2025	77-47-4	Hexachlorocyclopentadiene	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.411
NP051-25-339078	NPDES Outfall 051	03/05/2025	67-72-1	Hexachlorocyclohexane	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	3.28
NP051-25-339078	NPDES Outfall 051	03/05/2025	2691-41-0	HMX	0.0816	ug/L	U	N	UF	2025-469	REG	SW-846:8330B	0.0816	1,000
NP051-25-339079	NPDES Outfall 051	03/05/2025	FE	Iron	30	ug/L	U	N	F	2025-469	REG	EPA-200.7	30	1,000
NP051-25-339078	NPDES Outfall 051	03/05/2025	78-59-1	Isothorone	3.5	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3.5	781
NP051-25-339079	NPDES Outfall 051	03/05/2025	PB	Lead	0.5	ug/L	U	N	F	2025-469	REG	EPA-200.8	0.5	15
NP051-25-339079	NPDES Outfall 051	03/05/2025	MN	Manganese	2	ug/L	U	N	F	2025-469	REG	EPA-200.7	2	200
NP051-25-339078	NPDES Outfall 051	03/05/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-469	REG	EPA-245.2	0.067	2
NP051-25-339079	NPDES Outfall 051	03/05/2025	HG	Mercury	0.163	ug/L	J	Y	F	2025-469	REG	EPA-245.2	0.067	2
NP051-25-339078	NPDES Outfall 051	03/05/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.333	100
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-09-2	Methylene Chloride	0.5	ug/L	U	N	UF	2025-469	REG	SW-846:8260D	0.5	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	90-12-0	Methylnaphthalene[1-]	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	11.4
NP051-25-339078	NPDES Outfall 051	03/05/2025	91-57-6	Methylnaphthalene[2-]	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	35.1
NP051-25-339079	NPDES Outfall 051	03/05/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-469	REG	EPA-200.8	0.2	1,000
NP051-25-339078	NPDES Outfall 051	03/05/2025	91-20-3	Naphthalene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	30
NP051-25-339079	NPDES Outfall 051	03/05/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-469	REG	EPA-200.8	0.6	200
NP051-25-339079	NPDES Outfall 051	03/05/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.32	mg/L	NQ	Y	F	2025-469	REG	EPA-353.2	0.017	10
NP051-25-339130	NPDES Outfall 051	03/05/2025	NO2-N	Nitrite as Nitrogen	0.112	mg/L	NQ	Y	F	2025-447	REG	EPA-300.0	0.033	1
NP051-25-339078	NPDES Outfall 051	03/05/2025	98-95-3	Nitrobenzene	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1.4
NP051-25-339078	NPDES Outfall 051	03/05/2025	924-16-3	Nitroso-di-n-butylamine[N-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.0273
NP051-25-339078	NPDES Outfall 051	03/05/2025	55-18-5	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.00167
NP051-25-339078	NPDES Outfall 051	03/05/2025	62-75-9	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.00491
NP051-25-339078	NPDES Outfall 051	03/05/2025	930-55-2	Nitrosopyrrolidine[N-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	0.37
NP051-25-339078	NPDES Outfall 051	03/05/2025	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	9.81
NP051-25-339078	NPDES Outfall 051	03/05/2025	608-93-5	Pentachlorobenzene	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	3.07
NP051-25-339078	NPDES Outfall 051	03/05/2025	87-86-5	Pentachlorophenol	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1
NP051-25-339078	NPDES Outfall 051	03/05/2025	ClO4	Perchlorate	0.05	ug/L	U	N	UF	2025-469	REG	SW-846:6850	0.05	13.8
NP051-25-339078	NPDES Outfall 051	03/05/2025	355-46-4	Perfluorohexanesulfonic acid	0.583	ng/L	U	N	UF	2025-469	REG	EPA-53.7M	0.583	0.401
NP051-25-339078	NPDES Outfall 051	03/05/2025	1763-23-1	Perfluorooctanesulfonic acid	0.707	ng/L	U	N	UF	2025-469	REG	EPA-53.7M	0.707	0.0602
NP051-25-339078	NPDES Outfall 051	03/05/2025	335-67-1	Perfluorooctanoic acid	0.707	ng/L	U	N	UF	2025-469	REG	EPA-53.7M	0.707	0.0602
NP051-25-339078	NPDES Outfall 051	03/05/2025	pH	pH	7.3	SU								6-9
NP051-25-339078	NPDES Outfall 051	03/05/2025	85-01-8	Phenanthrene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	170
NP051-25-339078	NPDES Outfall 051	03/05/2025	108-95-2	Phenol	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	1610-18-0	Prometon	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	250
NP051-25-339078	NPDES Outfall 051	03/05/2025	129-00-0	Pyrene	0.3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	0.3	117

Attachment 4

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on March 5, 2025. Permit Condition No. 29.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units ¹	Validation Qualifier ²	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose ⁵	Lab Method	Report Method Detection Limit ⁶	Groundwater Limit ⁷
NP051-25-339078	NPDES Outfall 051	03/05/2025	RA-226+228	Radium-226 and Radium-228	1.2	pCi/L	UJ	N	UF	2025-469	REG	Generic:Radium by Calculation	-	5
NP051-25-339174	NPDES Outfall 051	03/05/2025	RA-226+228	Radium-226 and Radium-228	0.691	pCi/L	UJ	N	UF	2025-469	FD	Generic:Radium by Calculation	-	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	121-82-4	RDX	0.0816	ug/L	U	N	UF	2025-469	REG	SW-846:83308	0.0816	9.66
NP051-25-339079	NPDES Outfall 051	03/05/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-469	REG	EPA-200.8	1.5	50
NP051-25-339079	NPDES Outfall 051	03/05/2025	AG	Silver	0.3	ug/L	U	N	F	2025-469	REG	EPA-200.8	0.3	50
NP051-25-339078	NPDES Outfall 051	03/05/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	100
NP051-25-339078	NPDES Outfall 051	03/05/2025	S04(-2)	Sulfate	0.472	mg/L	NQ	Y	F	2025-469	REG	EPA-300.0	0.133	600
NP051-25-339078	NPDES Outfall 051	03/05/2025	126-33-0	Sulfonate	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	20
NP051-25-339078	NPDES Outfall 051	03/05/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1.66
NP051-25-339078	NPDES Outfall 051	03/05/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	10
NP051-25-339078	NPDES Outfall 051	03/05/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	5
NP051-25-339079	NPDES Outfall 051	03/05/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-469	REG	EPA-200.8	0.6	2
NP051-25-339078	NPDES Outfall 051	03/05/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	1,000
NP051-25-339079	NPDES Outfall 051	03/05/2025	TDS	Total Dissolved Solids	139	mg/L	J	Y	F	2025-469	REG	EPA-160.1	2.38	1,000
NP051-25-339078	NPDES Outfall 051	03/05/2025	TKN	Total Kjeldahl Nitrogen	8.45	mg/L	NQ	Y	F	2025-469	REG	EPA-351.2	0.132	
NP051-25-339078	NPDES Outfall 051	03/05/2025	8001-35-2	Toxaphene (Technical Grade)	0.15	ug/L	U	N	UF	2025-469	REG	SW-846:8081B	0.15	0.158
NP051-25-339078	NPDES Outfall 051	03/05/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	70
NP051-25-339078	NPDES Outfall 051	03/05/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	0.2
NP051-25-339078	NPDES Outfall 051	03/05/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	5
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	1,140
NP051-25-339078	NPDES Outfall 051	03/05/2025	95-95-4	Trichlorophenol[2,4,6-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	1,170
NP051-25-339078	NPDES Outfall 051	03/05/2025	88-06-2	Trichlorophenol[2,4,6-]	3	ug/L	U	N	UF	2025-469	REG	SW-846:8270E	3	11.9
NP051-25-339078	NPDES Outfall 051	03/05/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0816	ug/L	U	N	UF	2025-469	REG	SW-846:83308	0.0816	9.8
NP051-25-339079	NPDES Outfall 051	03/05/2025	U	Uranium	0.067	ug/L	U	N	F	2025-469	REG	EPA-200.8	0.067	30
NP051-25-339078	NPDES Outfall 051	03/05/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	2
NP051-25-339078	NPDES Outfall 051	03/05/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-469	REG	SW-846:82600	1	620
NP051-25-339078	NPDES Outfall 051	03/05/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.333	193
NP051-25-339078	NPDES Outfall 051	03/05/2025	XYLENE[M+P]	Xylene[1,3-]+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-469	REG	SW-846:82600	0.5	386
NP051-25-339079	NPDES Outfall 051	03/05/2025	ZN	Zinc	3.3	ug/L	U	N	F	2025-469	REG	EPA-200.7	3.3	10,000

Notes:

¹ug/L - micrograms per liter

mg/L - milligrams per liter

ng/L - nanograms per liter

SU - standard units

pCi/L - picocuries per liter

²U - The analyte is classified as not detected

J - The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual

NQ - No validation qualifier flag is associated with this result, and the analyte is classified as detected

UJ - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual

³N - In the Detected column means the analyte was not detected

Y - In the Detected column means the analyte was detected

⁴UF - In the Field Preparation Code column means the sample was not filtered

F - In the Field Preparation Code column means the sample was filtered

⁵REG - In the Sample Purpose column means the sample was a regular sample

FD - In the Sample Purpose column means the sample was a field duplicate

⁶ There is not a Report Detection Limit for Radium-226 and Radium-228 since this result is calculated

⁷ Groundwater Limit represents standards for groundwater as identified in 20.6.2.3103 NMAC where available, otherwise the value represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for diphenylhydrazine reported as azobenzene, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for N-nitrosodiphenylamine reported as diphenylamine, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Groundwater Limit for combined Endosulfan I and Endosulfan II is 98.7 ug/L, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Total Kjeldahl Nitrogen does not contain either a 20.6.2.3103 NMAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit; The DP-1132 standard for Total Nitrogen is 15 mg/L (Condition No. 16)

Groundwater Limit for combined Naphthalene plus monomethylnaphthalenes is 30 ug/L, which represents the NMAC 20.6.2.3103 Groundwater Standard

Attachment 5
Groundwater Monitoring Report -
First Quarter 2025

EPC-DO: 25-111

LA-UR-25-23485

Date: April 30, 2025

Quarterly Groundwater Monitoring Report – First Quarter 2025

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MCA-RLW-2, First Quarter 2025.....	3
MCOI-6, First Quarter 2025.....	4

MCA-RLW-1, First Quarter 2025

a	Sample Date	1/7/2025
b	Sample Time	1527
c	Individuals collecting sample	N3B Staff
d	Monitoring well identification	MCA-RLW-1
e	Physical description of monitoring well location	See Location Map, Attachment 6
f	Ground-water surface elevation (ft above mean sea level (msl))	6,864.4
g	Total depth of the well (ft below ground surface (bgs))	22.2
h	Total volume of water in the monitoring well prior to sample collection (gal)	N/A
i	Total volume of water purged prior to sample collection (gal)	N/A
j	Physical parameters including temperature, conductivity, pH, oxidation/reduction potential	DO (mg/L): N/A Oxidation/Reduction Potential (MV): N/A Temp (deg C): N/A pH (SU): N/A Turbidity (NTU): N/A Specific Conductance (µS/cm): N/A
k	Description of sample methods	N/A
l	Chain-of-Custody	N/A
m	Location Map	Attachment 6
	Analytical Results	N/A

Notes:

N/A – Not applicable. Well was not sampled when visited on January 7, 2025, due to insufficient water in the well. The well only contained 0.12 ft of standing water.

MCA-RLW-2, First Quarter 2025

a	Sample Date	1/7/2025
b	Sample Time	1543
c	Individuals collecting sample	N3B Staff
d	Monitoring well identification	MCA-RLW-2
e	Physical description of monitoring well location	See Location Map, Attachment 6
f	Ground-water surface elevation (ft above mean sea level (msl))	6,806.3
g	Total depth of the well (ft below ground surface (bgs))	40.4
h	Total volume of water in the monitoring well prior to sample collection (gal)	N/A
i	Total volume of water purged prior to sample collection (gal)	N/A
j	Physical parameters including temperature, conductivity, pH, oxidation/reduction potential	DO (mg/L): N/A Oxidation/Reduction Potential (MV): N/A Temp (deg C): N/A pH (SU): N/A Turbidity (NTU): N/A Specific Conductance (μ S/cm): N/A
k	Description of sample methods	N/A
l	Chain-of-Custody	N/A
m	Location Map	Attachment 6
	Analytical Results	N/A

Notes:

N/A – Not applicable. Well was not sampled when visited on January 7, 2025, due to insufficient water in the well. The well only contained 0.25 ft of standing water.

MCOI-6, First Quarter 2025

a	Sample Date	1/8/2025
b	Sample Time	1056
c	Individuals collecting sample	N3B Staff
d	Monitoring well identification	MCOI-6
e	Physical description of monitoring well location	See Location Map, Attachment 6
f	Ground-water surface elevation (ft above mean sea level (msl))	6,137.79
g	Total depth of the well (ft below ground surface (bgs))	712.6
h	Total volume of water in the monitoring well prior to sample collection (gal)	29.22
i	Total volume of water purged prior to sample collection (gal)	131.08
j	Physical parameters including temperature, conductivity, pH, oxidation/reduction potential	DO (mg/L): 7.35 Oxidation/Reduction Potential (MV): 145.8 Temp (deg C): 15.2 pH (SU): 7.36 Turbidity (NTU): 0.28 Specific Conductance (µS/cm): 521
k	Description of sample methods	Attachment 5 Page 5
l	Chain-of-Custody	Attachment 5 Page 5
m	Location Map	Attachment 6
	Analytical Results	Attachment 5 Page 6, Table 1

[illegible]

Table 1. Analytical Results from Quarterly Ground Water Sampling of Perched/Intermediate Monitoring Well MCOI-6 on January 8, 2025. Permit Condition No. 36.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units	Validation Qualifier ¹	Detected ³	Field Preparation Code ⁴	COC #	Sample Purpose	Lab Method	Report Method Detection Limit	Groundwater Limit ⁶
CAMO-25-346061	MCOI-6	01-08-2025	Cl(-1)	Chloride	42.6	mg/L	NQ	Y	F	N38-2025-819	REG	SW-846.5056A	0.670	250
CAMO-25-346061	MCOI-6	01-08-2025	Fl(-1)	Fluoride	0.495	mg/L	NQ	Y	F	N38-2025-819	REG	SW-846.5056A	0.0330	1.6
CAMO-25-346061	MCOI-6	01-08-2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	14.4	mg/L	NQ	Y	F	N38-2025-819	REG ⁵	EPA-353.2	0.170	10
CAMO-25-346061	MCOI-6	01-08-2025	ClO4	Perchlorate	130	ug/L	NQ	Y	F	N38-2025-819	REG	SW-846.6850	1.00	13.8
CAMO-25-346061	MCOI-6	01-08-2025	TDS	Total Dissolved Solids	390	mg/L	NQ	Y	F	N38-2025-819	REG	EPA-160.1	2.38	1,000
CAMO-25-346060	MCOI-6	01-08-2025	TKN	Total Kjeldahl Nitrogen	0.0330	mg/L	UI	N	UF	N38-2025-819	REG	EPA-351.2	0.0330	-

Notes:

¹mg/L - milligrams per liter.
²ug/L - micrograms per liter.

²NQ - No validation qualifier flag is associated with this result, and the analyte is classified as detected.

UI - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

³Y - In the detected column means the analyte was detected.

N - In the detected column means the analyte was not detected.

⁴F - In the Field Preparation Code column means the sample was filtered.

UF - In the Field Preparation Code column means the sample was not filtered.

⁵REG - In the sample purpose column means the sample was a regular sample.

⁶Groundwater Limit represents standards for groundwater as identified in NMAC 20.6.2.3103 where available, otherwise the value represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit. Total Kjeldahl Nitrogen does not contain either a 20.6.2.3103 NMAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit.

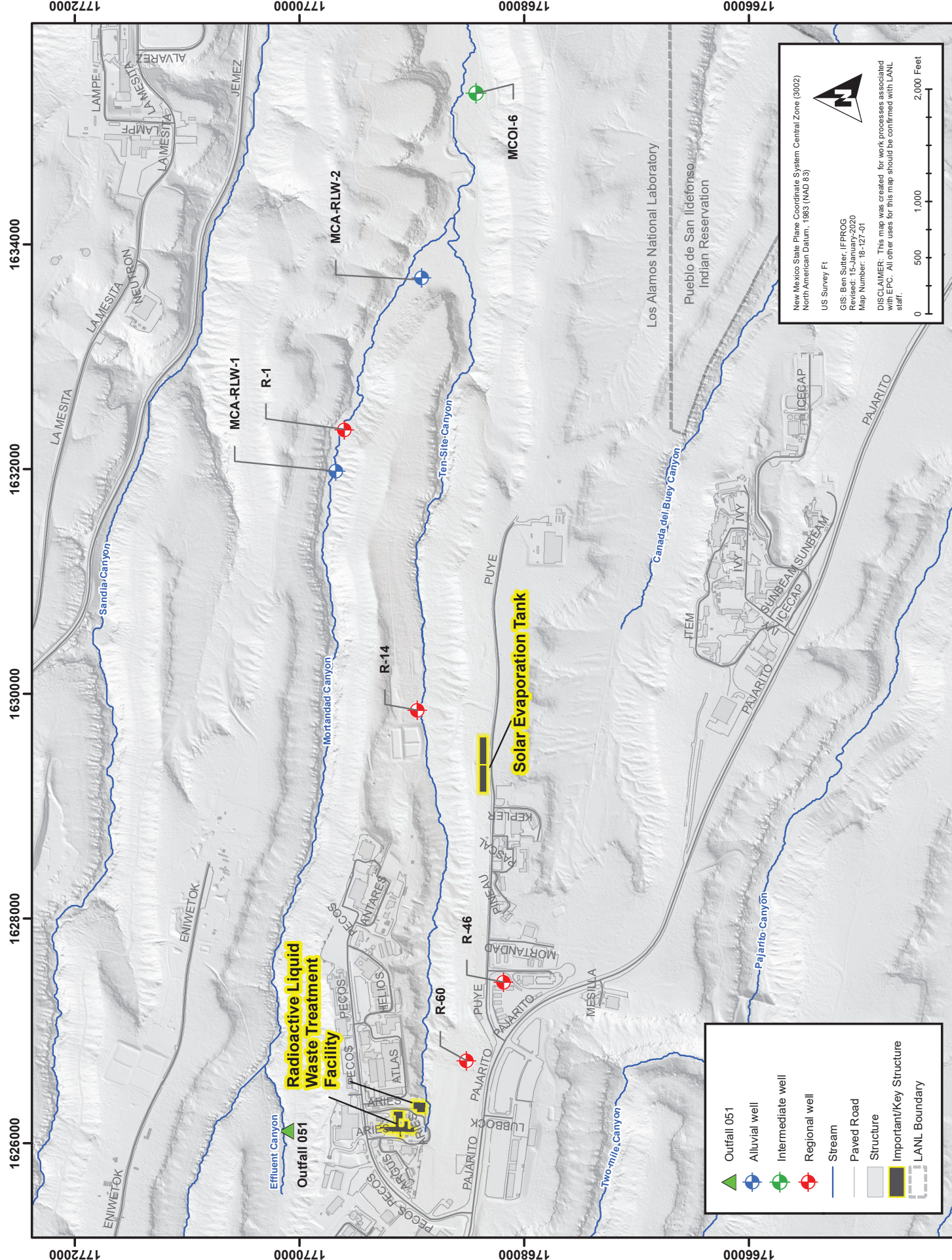
Attachment 6

Monitoring Well Location Map

EPC-DO: 25-111

LA-UR-25-23485

Date: April 30, 2025



 Outfall 051

 Alluvial well

 Intermediate well

 Regional well

 Stream

 Paved Road

 Structure

 Important/Key Structure

 LANL Boundary



New Mexico State Plane Coordinate System Central Zone (3002)
North American Datum, 1983 (NAD 83)

US Survey Ft

GIS: Ben Sutter, JFPROG
Reviewed: 15-January-2020
Map Number: 18-127-01

DISCLAIMER: This map was created for work processes associated with EPC. All other uses for this map should be confirmed with LANL staff.

0

500

1,000

2,000

Feet