ESHID-603908

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Symbol: EPC-DO: 25-203
Date: July 31, 2025
LA-UR: 25-27049
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, Second 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 August 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,

Digitally signed by AARON DAILEY (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: 2025.07.30 16:05:16 -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 – Second 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 – Second Quarter 2025
Attachment 6 Monitoring Well Location Map

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Attachment 1

RLWTF Monitoring Report – Second Quarter 2025

EPC-DO: 25-203

LA-UR-25-27049

Date: July 31, 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 August 1, 2025, for the monitoring period of April 1, 2025, through June 30, 2025 (second 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

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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 second 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.

- The new treated effluent flow meters required for replacement of the South Treated Effluent Tank were brought online and operational during the first quarter of 2025.

- The replacement effluent tanks were received on-site in April 2025.

- Demolition and removal of the south treated effluent tank and associated piping was initiated 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 second quarter 2025 monitoring period.

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 second quarter 2025 monitoring period.

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 and the Mechanical Evaporator System (MES) during the second quarter 2025 monitoring period.

- No treated effluent was discharged to the Solar Evaporative Tank System (SET) during the second 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 April and May. 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 April 3rd and May 14th, 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 second quarter of 2025 are included in **Attachment 4, Tables 1 and 2**.

- **MES Sampling**. Treated effluent from the RLWTF was discharged to the MES this quarter in the month of June. Quarterly sampling for all water contaminants listed in 20.6.2.3103 NMAC, all toxic pollutants as defined in 20.6.2.7.T(2) NMAC, and TKN was completed on June 25th, 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 the MES in the second quarter of 2025 are included in **Attachment 4, Table 3**.
- **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 second 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 second 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 this monitoring period with quarterly monitoring completed in April and May 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 May 6, 2025.

  Sample results from MCOI-6 for TKN, nitrate-nitrite as nitrogen (NO_3+NO_2-N), total dissolved solids, chloride, fluoride, and perchlorate (ClO_4) are provided in **Attachment 5, Table 1**. These samples were submitted to GEL Laboratories, LLC for analysis. All results from the May 6, 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:

- NO_3+NO_2-N was detected at a concentration of 18.1 mg/L. The 20.6.2.3103 NMAC standard for NO_3-N is 10 mg/L. The average NO_3+NO_2-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 NO_3+NO_2-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 NO_3+NO_2-N in accordance with DP-1132 and pursuant to the Compliance Order on Consent (Consent Order).

- ClO_4 was detected at a concentration of 125 µg/L. The 20.6.2.7.T NMAC guidance for ClO_4 is 13.8 µg/L. The average ClO_4 concentration at MCOI-6 during the 5-yr period from 2020 through 2024 was 106.7 µg/L. Detections of ClO_4 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 ClO_4 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 May 5, 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.
- Stabilization of the WM-2-North/South Tanks was completed on June 17, 2025. The required WM-2-North/South Tanks Stabilization Completion Report (EPC-DO: 25-043) was submitted to NMED on July 16, 2025.

Attachment 2

Quarterly Summary of Maintenance and Repair Activities Conducted at the RLWTF

EPC-DO: 25-203

LA-UR-25-27049

Date: July 31, 2025

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

			Task Type					
Structures	**Description**	**Built**	**PM**	**CO**	**MD**	**SR**	**UP**	**Total**
Building 1	Original treatment bldg.	1963	45	10	3	0	0	58
Building 2	Original influent storage bldg.	1963	1	2	0	0	0	3
Building 66	TRU influent storage	1982	3	0	0	0	0	3
Building 90	100K Influent Storage tank	1982						0
Building 248	Low-level bottoms storage	1996	2	1	0	0	0	3
Building 250	Low-level influent storage	2009	17	2	0	0	0	19
Building 257	Mechanical Evaporator System	2010	1	0	0	0	0	1
TA52	Solar Evaporation Tank	2011	12	1	0	0	0	13
	Totals		81	16	3	0	0	100

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

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

TA-50-0001 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500001	00758184	01	CO	500001 REPLACE CA-001 IN ROOM 14 WITH LIKE FOR LIKE.
500001	00769738	01	CO	500001 RAD AREA TROUBLE SHOOTING & REPAIRING AND RE-LAMPING
500001	00697591	01	CO	500001 ROOM 116 REMOVE AND REPLACE HUW-009
500001	00797314	01	CO	500001 PREP AND SEAL WM66 TOP
500001	00787743	01	CO	500001 REMOVE AND REPLACE THE MICROFILTER MEMBRANES
500001	00758652	01	CO	500001 AS BUILT CONTROLS FOR GRAVITY FILTER VALVES
500001	00816664	01	CO	500001 REPAIR EXTERIOR LIGHTING OUTSIDE DOOR #8
500001	00640467	01	CO	500001 T/S AND REPAIR LEAK DETECTORS & ASSOC. COMPONENTS
500001	00790800	01	CO	500001 EVALUTE/REPAIR FE-31
500001	00825213	01	CO	500001 REQUEST TO REPLACE PNEUMATIC CONTROL SOLENOID VALVES
500001	00778952	01	MD	500001 REPAIR/MO COMPRESSED AIR LINE BETWEEN 50-0001 TO WM66
500001	00770341	01	MD	500001 REMOVAL OF TK-4 DECANT LINES IN RM. 60
500001	00668691	01	MD	500001 RM116 INSTALL POWER SOURCE FOR SUBCONTRACTOR USE DURI
500001	00813706	01	PM	500001 GFCI (6M) SERVICE INSPECTIONS
500001	00812131	01	PM	500001 MICROFILTER 3 MONTH PUMP MAINTENANCE
500001	00811372	01	PM	500001 LTET 1MO PM
500001	00811355	01	PM	500001 LTE 1 MO PM
500001	00805925	01	PM	500001 FAR 3MO PM (9 EA)
500001	00812126	01	PM	50-1 PH ANALYZER 3MO VERIFICATION 2 EA
500001	00811312	01	PM	50-1 FEXT (1M) PM
500001	00810980	01	PM	500001 TCA 6MO PM, AUTO DUMP
500001	00811391	01	PM	50-0001 (M) AED
500001	00811933	01	PM	50-1 (A) DAD PM
500001	00814663	01	PM	50-1 REPLACE ANNUAL PRE-FILTERS HV-011, HV-12 AND FE-27
500001	00811359	01	PM	50-0001 BHW 1MO PM (2 EA)
500001	00811932	01	PM	500001 ANNUAL CRANE TRUCK PM
500001	00811322	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING
500001	00815053	01	PM	500001 EH (1YR) PM, ELEVATOR 3RD PARTY INSP
500001	00814666	01	PM	500001 FE'S 1YR PM, (MECHANICAL) (11 EA)
500001	00813992	01	PM	50-0001 BHW 1MO PM (2 EA)

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

TA-50-0001 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500001	00813928	01	PM	500001 ASE 3MO PM, EXHAUST STACK PUMP (3 EA)
500001	00813946	01	PM	50-1 FEXT (1M) PM
500001	00815054	01	PM	50-1 RUA (A) MAINTENANCE (TRANE)
500001	00817902	01	PM	500001 DRE 1YR PM, (MECHANICAL) 6 EA
500001	00817888	01	PM	500001 (A) CA MECHANICAL PM
500001	00814009	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING
500001	00813014	01	PM	500001 (2 YR) CHEMICAL SKID ASSY, PRV AND PUMP PM (2 EA)
500001	00812117	01	PM	50-1 RVF 1YR PM
500001	00814019	01	PM	50-0001 (M) AED
500001	00814006	01	PM	500001 LTET 1MO PM
500001	00813947	01	PM	500001 LTE 1 MO PM
500001	00818070	01	PM	50-1 DRUM TUMBLER (3M) PM
500001	00817182	01	PM	500001 PV 3MO PM, (MECHANICAL)
500001	00818706	01	PM	500001 BHW 1YR PM, SUMMER LAY-UP (SHUTDOWN)
500001	00817281	01	PM	50-0001 BHW 1MO PM (2 EA)
500001	00817248	01	PM	500001 LTET 1MO PM
500001	00817275	01	PM	500001 LTE 1 MO PM
500001	00817890	01	PM	500001 SRO PUMPS RM 24
500001	00819144	01	PM	500001 & 500248 WINDSOCK 1YR PM (INSPECTION)
500001	00817231	01	PM	50-0001 (M) AED
500001	00820430	01	PM	500001 DRE 1YR PM, (ELECTRICAL) 6 EA
500001	00820432	01	PM	500001 BFP'S 1YR PM, 2 EA (RAD AREAS)
500001	00817186	01	PM	500001 LUBE 6MO PM, OPS EQUIPMENT LUBRICATION
500001	00819783	01	PM	50-1 SPW/SPH (Q) FIRE SUPPRRESSION SYSTEMS PM
500001	00817889	01	PM	500001 (A) NATURAL GAS SEISMIC SHUTOFF VALVE INSPECT PM 3 EA
500001	00817266	01	PM	50-1 FEXT (1M) PM
500001	00820431	01	PM	500001 BFP'S 1YR PM, 14 EA (RAD AREAS)
500001	00817200	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

TA-50-0250 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500250	00807671	02	CO	50-0250 EVALUATE AND REPAIR OR REPLACE HUE HEATERS
500250	00768125	01	CO	500250 TS/ REPAIR HEAT TRACE BETWEEN RLW AND WMRM
500250	00814667	01	PM	50-250 LTE (A) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00811374	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00811352	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00812121	01	PM	50-250 GFCI (6M) SERVICE INSPECTIONS
500250	00812123	01	PM	500250 SHS 3MO PM, SAFETY SHOWER
500250	00811384	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00814668	01	PM	500250 LPT (A) VISUAL INSPECTION
500250	00814609	01	PM	50-250 FEXT (A) PM, PORTABLE FIRE EXTINGUISHERS
500250	00813964	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00813961	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00813960	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00813966	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00817258	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00817252	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00817251	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00817181	01	PM	50-250 SPW (3M) PM
500250	00817264	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

TA-52-0181 Work Completion Report (04-01-2025 to 06-30-2025)

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

TA-52-0182 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
520182	00818312	01	CO	52-182 TROUBLE SHOOT AND REPAIR LTE-002
520182	00811328	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00811327	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00813923	01	PM	520182 (3M) SIGNAGE VERIFICATION FOR FENCE LINE
520182	00813914	01	PM	520182 (3M) FENCE LINE VERIFICATION
520182	00811321	01	PM	520182 (M) FEXT PM
520182	00814008	01	PM	520182 (M) FEXT PM
520182	00814015	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00814014	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00817216	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00817217	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00822161	01	PM	52-182 (A) WATER TIGHTNESS/GROUND SET
520182	00817215	01	PM	520182 (M) FEXT PM

TA-52-0183 Work Completion Report (04-01-2025 to 06-30-2025)

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

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

TA-50-0002 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500002	00814572	01	CO	50-0002 REPAIR AND/OR REPLACE HATCH COVERS
500002	00814572	02	CO	50-0002 REPAIR AND/OR REPLACE HATCH COVERS
500002	00818054	01	PM	500002 (A) WATER TIGHTNESS MORTANDAD CANYON

TA-50-0090 Work Completion Report (04-01-2025 to 06-30-2025)

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

TA-50-0066 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500066	00807000	01	PM	500066 (A) MIXER PANEL LAMP PM
500066	00817887	01	PM	50-66 PDI (A) CAL VERIFICATION
500066	00817903	01	PM	500066 (A) VERIFY & ENSURE ACCURACY TANK LEVEL INDICATOR 4EA

TA-50-0201 Work Completion Report (04-01-2025 to 06-30-2025)

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

TA-50-0248 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500248	00762969	01	CO	500248 TANK SAMPLING PUMP(S) REPAIR AND REPLACE
500248	00814651	01	PM	50-248 ULTRASONIC TANK: 3-YR INSPECTION (TK-A,B,C & D)
500248	00813920	01	PM	500248 PUMPS 3MO PM

DP-1132 Report: Second Quarter 2025 RLWTF Maintenance

TA-50-0257 Work Completion Report (04-01-2025 to 06-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500257	00818061	01	PM	50-257 EVAP BOILER (3M) PM

Acronyms used by LANL Maintenance:

ASE	air sampler, exhaust	LPT	lightning protection
BHW	boiler, hot water	LTE	lights, emergency
CA	compressed air	LTET	lights, emergency, tritium
DAD	dessicant air dryer	LTNT	lights, non-tritium
EB	exhaust bank	PRV	pressure reducing valve
EH	exhaust heater	PV	pump, vacuum
FAR	filter, air replaceable	RCA	radiological control area
FE	fan, exhaust	SHS	shower, safety
FEXT	fire extinguisher	SPH	sprinkler pipe, dry
HEPA	high-efficiency particulate air	SPW	sprinkler pipe, wet
HUE	heater unit, electric	TCA	tank, compressed air

Attachment 3

RLWTF Daily Influent and Effluent Volumes

EPC-DO: 25-203

LA-UR-25-27049

Date: July 31, 2025

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

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
Totals, 2025-Q2	299,946	45,598	276,892	0	301
Sub-total, April	82,210	0	154,678	0	0
Sub-total, May	118,834	0	122,214	0	107
Sub-total, June	98,902	45,598	0	0	194

All flows are in Liters.

1-Apr	2,044	0	0	0	0
2-Apr	7,646	0	0	0	0
3-Apr	2,612	0	40,870	0	0
4-Apr	1,817	0	0	0	0
5-Apr	1,325	0	0	0	0
6-Apr	908	0	0	0	0
7-Apr	4,164	0	0	0	0
8-Apr	2,233	0	0	0	0
9-Apr	3,407	0	0	0	0
10-Apr	1,703	0	0	0	0
11-Apr	2,574	0	0	0	0
12-Apr	643	0	0	0	0
13-Apr	227	0	0	0	0
14-Apr	5,488	0	0	0	0
15-Apr	2,498	0	0	0	0
16-Apr	4,239	0	63,474	0	0
17-Apr	1,968	0	0	0	0
18-Apr	1,514	0	0	0	0
19-Apr	1,893	0	0	0	0
20-Apr	1,060	0	0	0	0
21-Apr	3,179	0	0	0	0
22-Apr	3,293	0	0	0	0
23-Apr	3,217	0	0	0	0
24-Apr	2,157	0	0	0	0
25-Apr	1,173	0	0	0	0
26-Apr	1,022	0	0	0	0
27-Apr	757	0	0	0	0
28-Apr	2,271	0	0	0	0
29-Apr	3,331	0	0	0	0
30-Apr	11,847	0	50,333	0	0

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

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
1-May	10,371	0	0	0	0
2-May	49,303	0	0	0	0
3-May	606	0	0	0	0
4-May	908	0	0	0	0
5-May	3,482	0	0	0	0
6-May	3,028	0	0	0	0
7-May	4,428	0	0	0	0
8-May	5,072	0	0	0	0
9-May	2,498	0	0	0	0
10-May	871	0	0	0	0
11-May	606	0	0	0	0
12-May	1,855	0	0	0	0
13-May	3,634	0	0	0	0
14-May	2,309	0	59,739	0	0
15-May	2,385	0	0	0	0
16-May	1,476	0	0	0	0
17-May	606	0	0	0	0
18-May	795	0	0	0	0
19-May	1,249	0	0	0	0
20-May	1,628	0	0	0	0
21-May	4,126	0	0	0	0
22-May	3,369	0	0	0	0
23-May	908	0	0	0	0
24-May	719	0	0	0	0
25-May	265	0	0	0	0
26-May	795	0	0	0	0
27-May	1,590	0	0	0	0
28-May	3,899	0	62,475	0	0
29-May	3,634	0	0	0	107
30-May	1,628	0	0	0	0
31-May	795	0	0	0	0

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

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
1-Jun	0	0	0	0	0
2-Jun	3,747	0	0	0	0
3-Jun	6,397	0	0	0	0
4-Jun	3,861	0	0	0	0
5-Jun	2,952	0	0	0	87
6-Jun	1,514	0	0	0	0
7-Jun	984	0	0	0	0
8-Jun	303	0	0	0	0
9-Jun	4,921	0	0	0	0
10-Jun	4,958	0	0	0	0
11-Jun	5,185	0	0	0	0
12-Jun	7,002	0	0	0	107
13-Jun	2,687	0	0	0	0
14-Jun	3,179	0	0	0	0
15-Jun	2,763	0	0	0	0
16-Jun	3,634	0	0	0	0
17-Jun	3,369	0	0	0	0
18-Jun	3,520	0	0	0	0
19-Jun	5,488	0	0	0	0
20-Jun	1,590	0	0	0	0
21-Jun	530	0	0	0	0
22-Jun	568	0	0	0	0
23-Jun	2,536	0	0	0	0
24-Jun	5,450	0	0	0	0
25-Jun	7,040	5,912	0	0	0
26-Jun	3,861	14,239	0	0	0
27-Jun	4,618	14,175	0	0	0
28-Jun	757	11,272	0	0	0
29-Jun	757	0	0	0	0
30-Jun	4,731	0	0	0	0

Attachment 4

Treated Effluent Sampling Results

EPC-DO: 25-203

LA-UR-25-27049

Date: July 31, 2025

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on April 3, 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]
NP051-25-339081	NPDES Outfall 051	04/03/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	1.67	0.0415
NP051-25-339081	NPDES Outfall 051	04/03/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	1.67	0.523
NP051-25-339081	NPDES Outfall 051	04/03/2025	309-00-2	Aldrin	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.00198
NP051-25-339080	NPDES Outfall 051	04/03/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-570	REG	EPA:200.8	19.3	5,000
NP051-25-339081	NPDES Outfall 051	04/03/2025	120-12-7	Anthracene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	1,720
NP051-25-339080	NPDES Outfall 051	04/03/2025	SB	Antimony	1	ug/L	U	N	F	2025-570	REG	EPA:200.8	1	6
NP051-25-339081	NPDES Outfall 051	04/03/2025	12674-11-2	Aroclor-1016	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	11104-28-2	Aroclor-1221	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	11141-16-5	Aroclor-1232	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	53469-21-9	Aroclor-1242	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	12672-29-6	Aroclor-1248	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	11097-69-1	Aroclor-1254	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	11096-82-5	Aroclor-1260	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	-
NP051-25-339081	NPDES Outfall 051	04/03/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0333	ug/L	U	N	UF	2025-570	REG	SW-846:8082A	0.0333	0.5
NP051-25-339080	NPDES Outfall 051	04/03/2025	AS	Arsenic	2	ug/L	U	N	F	2025-570	REG	EPA:200.8	2	10
NP051-25-339081	NPDES Outfall 051	04/03/2025	1912-24-9	Atrazine	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	3
NP051-25-339081	NPDES Outfall 051	04/03/2025	103-33-3	Azobenzene	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.78
NP051-25-339080	NPDES Outfall 051	04/03/2025	BA	Barium	0.67	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.67	2,000
NP051-25-339081	NPDES Outfall 051	04/03/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	92-87-5	Benzidine	3.51	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	3.51	0.00109
NP051-25-339081	NPDES Outfall 051	04/03/2025	50-32-8	Benzo(a)pyrene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	0.2
NP051-25-339081	NPDES Outfall 051	04/03/2025	205-99-2	Benzo(b)fluoranthene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	0.343
NP051-25-339081	NPDES Outfall 051	04/03/2025	207-08-9	Benzo(k)fluoranthene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	3.43
NP051-25-339080	NPDES Outfall 051	04/03/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.2	4
NP051-25-339081	NPDES Outfall 051	04/03/2025	319-84-6	BHC[alpha-]	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.0693
NP051-25-339081	NPDES Outfall 051	04/03/2025	319-85-7	BHC[beta-]	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.243
NP051-25-339081	NPDES Outfall 051	04/03/2025	58-89-9	BHC[gamma-]	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.415
NP051-25-339081	NPDES Outfall 051	04/03/2025	111-44-4	Bis(2-chloroethyl)ether	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.137
NP051-25-339081	NPDES Outfall 051	04/03/2025	117-81-7	Bis(2-ethylhexyl)phthalate	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	55.6
NP051-25-339080	NPDES Outfall 051	04/03/2025	B	Boron	25.3	ug/L	J	Y	F	2025-570	REG	EPA:200.7	15	750
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-27-4	Bromodichloromethane	0.38	ug/L	J	Y	UF	2025-570	REG	SW-846:8260D	0.333	1.34
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-25-2	Bromoform	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	32.9
NP051-25-339081	NPDES Outfall 051	04/03/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.337	7.54
NP051-25-339080	NPDES Outfall 051	04/03/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.3	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	57-74-9	Chlordane(alpha/gamma)	0.0765	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.0765	0.448
NP051-25-339081	NPDES Outfall 051	04/03/2025	5103-71-9	Chlordane[alpha-]	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.448
NP051-25-339081	NPDES Outfall 051	04/03/2025	5103-74-2	Chlordane[gamma-]	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.448
NP051-25-339080	NPDES Outfall 051	04/03/2025	CL(-1)	Chloride	54.4	mg/L	NQ	Y	F	2025-570	REG	EPA:300.0	0.67	250
NP051-25-339081	NPDES Outfall 051	04/03/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	77.6
NP051-25-339081	NPDES Outfall 051	04/03/2025	67-66-3	Chloroform	9.8	ug/L	NQ	Y	UF	2025-570	REG	SW-846:8260D	0.333	100
NP051-25-339081	NPDES Outfall 051	04/03/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	20.3
NP051-25-339080	NPDES Outfall 051	04/03/2025	CR	Chromium	3	ug/L	U	N	F	2025-570	REG	EPA:200.8	3	50
NP051-25-339080	NPDES Outfall 051	04/03/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.3	50
NP051-25-339080	NPDES Outfall 051	04/03/2025	CU	Copper	0.966	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.3	1,000
NP051-25-339080	NPDES Outfall 051	04/03/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	UJ	N	F	2025-570	REG	EPA:335.4	0.00167	200
NP051-25-339081	NPDES Outfall 051	04/03/2025	50-29-3	DDT[4,4'-]	0.01	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.01	2.29
NP051-25-339081	NPDES Outfall 051	04/03/2025	84-74-2	Di-n-butylphthalate	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	885
NP051-25-339081	NPDES Outfall 051	04/03/2025	106-93-4	Dibromoethane[1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	0.05
NP051-25-339081	NPDES Outfall 051	04/03/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	600
NP051-25-339081	NPDES Outfall 051	04/03/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	75
NP051-25-339081	NPDES Outfall 051	04/03/2025	91-94-1	Dichlorobenzidine[3,3'-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1.25
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.355	197
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	25
NP051-25-339081	NPDES Outfall 051	04/03/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	7
NP051-25-339081	NPDES Outfall 051	04/03/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	70

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on April 3, 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]
NP051-25-339081	NPDES Outfall 051	04/03/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	100
NP051-25-339081	NPDES Outfall 051	04/03/2025	120-83-2	Dichlorophenol[2,4-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	45.3
NP051-25-339081	NPDES Outfall 051	04/03/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	542-75-6	Dichloropropene[cis/trans-1,3-]	0.5	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.5	4.71
NP051-25-339081	NPDES Outfall 051	04/03/2025	60-57-1	Dieldrin	0.01	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.01	0.0175
NP051-25-339081	NPDES Outfall 051	04/03/2025	84-66-2	Diethylphthalate	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	14,800
NP051-25-339081	NPDES Outfall 051	04/03/2025	131-11-3	Dimethyl Phthalate	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	612
NP051-25-339081	NPDES Outfall 051	04/03/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1.52
NP051-25-339081	NPDES Outfall 051	04/03/2025	51-28-5	Dinitrophenol[2,4-]	4.5	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	4.5	38.7
NP051-25-339081	NPDES Outfall 051	04/03/2025	121-14-2	Dinitrotoluene[2,4-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	2.37
NP051-25-339081	NPDES Outfall 051	04/03/2025	606-20-2	Dinitrotoluene[2,6-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.485
NP051-25-339081	NPDES Outfall 051	04/03/2025	123-91-1	Dioxane[1,4-]	2.7	ug/L	UJ	N	UF	2025-570	REG	SW-846:8270E	2.7	4.59
NP051-25-339081	NPDES Outfall 051	04/03/2025	122-39-4	Diphenylamine	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	122
NP051-25-339081	NPDES Outfall 051	04/03/2025	959-98-8	Endosulfan I	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	98.7
NP051-25-339081	NPDES Outfall 051	04/03/2025	33213-65-9	Endosulfan II	0.01	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.01	98.7
NP051-25-339081	NPDES Outfall 051	04/03/2025	72-20-8	Endrin	0.01	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.01	2.23
NP051-25-339081	NPDES Outfall 051	04/03/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	700
NP051-25-339081	NPDES Outfall 051	04/03/2025	206-44-0	Fluoranthene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	802
NP051-25-339081	NPDES Outfall 051	04/03/2025	86-73-7	Fluorene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	288
NP051-25-339080	NPDES Outfall 051	04/03/2025	F(-1)	Fluoride	0.0347	mg/L	J	Y	F	2025-570	REG	EPA:300.0	0.033	1.6
NP051-25-339081	NPDES Outfall 051	04/03/2025	76-44-8	Heptachlor	0.00665	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.00665	0.0221
NP051-25-339081	NPDES Outfall 051	04/03/2025	118-74-1	Hexachlorobenzene	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.0976
NP051-25-339081	NPDES Outfall 051	04/03/2025	87-68-3	Hexachlorobutadiene	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1.39
NP051-25-339081	NPDES Outfall 051	04/03/2025	77-47-4	Hexachlorocyclopentadiene	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.411
NP051-25-339081	NPDES Outfall 051	04/03/2025	67-72-1	Hexachloroethane	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	3.28
NP051-25-339081	NPDES Outfall 051	04/03/2025	2691-41-0	HMX	0.082	ug/L	U	N	UF	2025-570	REG	SW-846:8330B	0.082	1,000
NP051-25-339177	NPDES Outfall 051	04/03/2025	2691-41-0	HMX	0.0808	ug/L	U	N	UF	2025-570	FD	SW-846:8330B	0.0808	1,000
NP051-25-339080	NPDES Outfall 051	04/03/2025	FE	Iron	30	ug/L	U	N	F	2025-570	REG	EPA:200.7	30	1,000
NP051-25-339081	NPDES Outfall 051	04/03/2025	78-59-1	Isophorone	3.15	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	3.15	781
NP051-25-339080	NPDES Outfall 051	04/03/2025	PB	Lead	0.5	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.5	15
NP051-25-339080	NPDES Outfall 051	04/03/2025	MN	Manganese	2	ug/L	U	N	F	2025-570	REG	EPA:200.7	2	200
NP051-25-339080	NPDES Outfall 051	04/03/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-570	REG	EPA:245.2	0.067	2
NP051-25-339081	NPDES Outfall 051	04/03/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-570	REG	EPA:245.2	0.067	2
NP051-25-339081	NPDES Outfall 051	04/03/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	100
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-09-2	Methylene Chloride	0.500	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.5	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	90-12-0	Methylnaphthalene[1-]	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	30
NP051-25-339081	NPDES Outfall 051	04/03/2025	91-57-6	Methylnaphthalene[2-]	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	30
NP051-25-339080	NPDES Outfall 051	04/03/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.20	1,000
NP051-25-339081	NPDES Outfall 051	04/03/2025	91-20-3	Naphthalene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	30
NP051-25-339080	NPDES Outfall 051	04/03/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.6	200
NP051-25-339080	NPDES Outfall 051	04/03/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	2.24	mg/L	NQ	Y	F	2025-570	REG	EPA:353.2	0.085	15
NP051-25-339131	NPDES Outfall 051	04/03/2025	NO2-N	Nitrite as Nitrogen	0.219	mg/L	J	Y	F	2025-561	REG	EPA:300.0	0.165	1
NP051-25-339081	NPDES Outfall 051	04/03/2025	98-95-3	Nitrobenzene	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1.4
NP051-25-339081	NPDES Outfall 051	04/03/2025	924-16-3	Nitroso-di-n-butylamine[N-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.0273
NP051-25-339081	NPDES Outfall 051	04/03/2025	55-18-5	Nitrosodiethylamine[N-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.00167
NP051-25-339081	NPDES Outfall 051	04/03/2025	62-75-9	Nitrosodimethylamine[N-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.00491
NP051-25-339081	NPDES Outfall 051	04/03/2025	930-55-2	Nitrosopyrrolidine[N-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	0.37
NP051-25-339081	NPDES Outfall 051	04/03/2025	108-60-1	Oxybis(1-chloropropane)[2,2'-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	9.81
NP051-25-339081	NPDES Outfall 051	04/03/2025	608-93-5	Pentachlorobenzene	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	3.07
NP051-25-339081	NPDES Outfall 051	04/03/2025	87-86-5	Pentachlorophenol	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1
NP051-25-339081	NPDES Outfall 051	04/03/2025	CLO4	Perchlorate	0.05	ug/L	U	N	UF	2025-570	REG	SW-846:6850	0.05	13.8
NP051-25-339081	NPDES Outfall 051	04/03/2025	355-46-4	Perfluorohexanesulfonic acid	0.637	ng/L	U	N	UF	2025-570	REG	EPA:537M	0.637	401
NP051-25-339081	NPDES Outfall 051	04/03/2025	1763-23-1	Perfluorooctanesulfonic acid	2.76	ng/L	NQ	Y	UF	2025-570	REG	EPA:537M	0.773	60.2
NP051-25-339081	NPDES Outfall 051	04/03/2025	335-67-1	Perfluorooctanoic acid	0.773	ng/L	U	N	UF	2025-570	REG	EPA:537M	0.773	60.2
	NPDES Outfall 051	04/03/2025	pH	pH	7	SU								6-9
NP051-25-339081	NPDES Outfall 051	04/03/2025	85-01-8	Phenanthrene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	170
NP051-25-339081	NPDES Outfall 051	04/03/2025	108-95-2	Phenol	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	5

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on April 3, 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]
NP051-25-339081	NPDES Outfall 051	04/03/2025	1610-18-0	Prometon	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	250
NP051-25-339081	NPDES Outfall 051	04/03/2025	129-00-0	Pyrene	0.27	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	0.27	117
NP051-25-339081	NPDES Outfall 051	04/03/2025	RA-226+228	Radium-226 and Radium-228	0.65	pCi/L	J	Y	UF	2025-570	REG	Generic:Radium by Calculation	-	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	121-82-4	RDX	0.082	ug/L	U	N	UF	2025-570	REG	SW-846:8330B	0.082	9.66
NP051-25-339177	NPDES Outfall 051	04/03/2025	121-82-4	RDX	0.0808	ug/L	U	N	UF	2025-570	FD	SW-846:8330B	0.0808	9.66
NP051-25-339080	NPDES Outfall 051	04/03/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-570	REG	EPA:200.8	1.5	50
NP051-25-339080	NPDES Outfall 051	04/03/2025	AG	Silver	0.3	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.3	50
NP051-25-339081	NPDES Outfall 051	04/03/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	100
NP051-25-339080	NPDES Outfall 051	04/03/2025	SO4(-2)	Sulfate	0.623	mg/L	J	Y	F	2025-570	REG	EPA:300.0	0.133	600
NP051-25-339081	NPDES Outfall 051	04/03/2025	126-33-0	Sulfolane	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	20
NP051-25-339081	NPDES Outfall 051	04/03/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1.66
NP051-25-339081	NPDES Outfall 051	04/03/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	10
NP051-25-339081	NPDES Outfall 051	04/03/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339080	NPDES Outfall 051	04/03/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.6	2
NP051-25-339081	NPDES Outfall 051	04/03/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	1,000
NP051-25-339080	NPDES Outfall 051	04/03/2025	TDS	Total Dissolved Solids	167	mg/L	J	Y	F	2025-570	REG	EPA:160.1	2.38	1,000
NP051-25-339080	NPDES Outfall 051	04/03/2025	TKN	Total Kjeldahl Nitrogen	8.18	mg/L	NQ	Y	F	2025-570	REG	EPA:351.2	0.33	15
NP051-25-339081	NPDES Outfall 051	04/03/2025	8001-35-2	Toxaphene (Technical Grade)	0.15	ug/L	U	N	UF	2025-570	REG	SW-846:8081B	0.15	0.158
NP051-25-339081	NPDES Outfall 051	04/03/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	70
NP051-25-339081	NPDES Outfall 051	04/03/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	0.2
NP051-25-339081	NPDES Outfall 051	04/03/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	5
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	1,140
NP051-25-339081	NPDES Outfall 051	04/03/2025	95-95-4	Trichlorophenol[2,4,5-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	1,170
NP051-25-339081	NPDES Outfall 051	04/03/2025	88-06-2	Trichlorophenol[2,4,6-]	2.7	ug/L	U	N	UF	2025-570	REG	SW-846:8270E	2.7	11.9
NP051-25-339081	NPDES Outfall 051	04/03/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.082	ug/L	U	N	UF	2025-570	REG	SW-846:8330B	0.082	9.8
NP051-25-339177	NPDES Outfall 051	04/03/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0808	ug/L	U	N	UF	2025-570	FD	SW-846:8330B	0.0808	9.8
NP051-25-339080	NPDES Outfall 051	04/03/2025	U	Uranium	0.067	ug/L	U	N	F	2025-570	REG	EPA:200.8	0.067	30
NP051-25-339081	NPDES Outfall 051	04/03/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	2
NP051-25-339081	NPDES Outfall 051	04/03/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	1	620
NP051-25-339081	NPDES Outfall 051	04/03/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.333	620
NP051-25-339081	NPDES Outfall 051	04/03/2025	XYLENE[M+P]	Xylene[1,3-]+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-570	REG	SW-846:8260D	0.5	620
NP051-25-339080	NPDES Outfall 051	04/03/2025	ZN	Zinc	5.15	ug/L	J	Y	F	2025-570	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
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

[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 µg/L, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit
The DP-1132 standard for Total Nitrogen (TKN + NO_3-N) is 15 mg/L for discharges to Outfall 051 (Condition No. 16)

Table 1. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on April 3, 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]

Groundwater Limit for combined naphthalene plus monomethlynaphthalenes is 30 µg/L, which represents the 20.6.2.3103 NMAC Groundwater Standard

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on May 14, 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]
NP051-25-339082	NPDES Outfall 051	05/14/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	1.67	0.0415
NP051-25-339082	NPDES Outfall 051	05/14/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	1.67	0.523
NP051-25-339082	NPDES Outfall 051	05/14/2025	309-00-2	Aldrin	0.00665	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.00665	0.00198
NP051-25-339083	NPDES Outfall 051	05/14/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-719	REG	EPA:200.8	19.3	5,000
NP051-25-339082	NPDES Outfall 051	05/14/2025	120-12-7	Anthracene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	1,720
NP051-25-339083	NPDES Outfall 051	05/14/2025	SB	Antimony	1	ug/L	U	N	F	2025-719	REG	EPA:200.8	1	6
NP051-25-339082	NPDES Outfall 051	05/14/2025	12674-11-2	Aroclor-1016	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	11104-28-2	Aroclor-1221	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	11141-16-5	Aroclor-1232	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	53469-21-9	Aroclor-1242	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	12672-29-6	Aroclor-1248	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	11097-69-1	Aroclor-1254	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	11096-82-5	Aroclor-1260	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	-
NP051-25-339082	NPDES Outfall 051	05/14/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0333	ug/L	U	N	UF	2025-719	REG	SW-846:8082A	0.0333	0.5
NP051-25-339083	NPDES Outfall 051	05/14/2025	AS	Arsenic	2	ug/L	U	N	F	2025-719	REG	EPA:200.8	2	10
NP051-25-339082	NPDES Outfall 051	05/14/2025	1912-24-9	Atrazine	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	3
NP051-25-339082	NPDES Outfall 051	05/14/2025	103-33-3	Azobenzene	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.78
NP051-25-339083	NPDES Outfall 051	05/14/2025	BA	Barium	0.67	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.67	2,000
NP051-25-339082	NPDES Outfall 051	05/14/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	92-87-5	Benzidine	3.35	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	3.35	0.00109
NP051-25-339082	NPDES Outfall 051	05/14/2025	50-32-8	Benzo(a)pyrene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	0.2
NP051-25-339082	NPDES Outfall 051	05/14/2025	205-99-2	Benzo(b)fluoranthene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	0.343
NP051-25-339082	NPDES Outfall 051	05/14/2025	207-08-9	Benzo(k)fluoranthene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	3.43
NP051-25-339083	NPDES Outfall 051	05/14/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.2	4
NP051-25-339082	NPDES Outfall 051	05/14/2025	319-84-6	BHC[alpha-]	0.00665	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.00665	0.0693
NP051-25-339082	NPDES Outfall 051	05/14/2025	319-85-7	BHC[beta-]	0.00665	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.00665	0.243
NP051-25-339082	NPDES Outfall 051	05/14/2025	58-89-9	BHC[gamma-]	0.00665	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.00665	0.415
NP051-25-339082	NPDES Outfall 051	05/14/2025	111-44-4	Bis(2-chloroethyl)ether	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.137
NP051-25-339082	NPDES Outfall 051	05/14/2025	117-81-7	Bis(2-ethylhexyl)phthalate	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	55.6
NP051-25-339083	NPDES Outfall 051	05/14/2025	B	Boron	25.9	ug/L	J	Y	F	2025-719	REG	EPA:200.7	15	750
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-27-4	Bromodichloromethane	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	1.34
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-25-2	Bromoform	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	32.9
NP051-25-339082	NPDES Outfall 051	05/14/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.337	7.54
NP051-25-339083	NPDES Outfall 051	05/14/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.3	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	57-74-9	Chlordane(alpha/gamma)	0.0765	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.0765	0.448
NP051-25-339083	NPDES Outfall 051	05/14/2025	CL(-1)	Chloride	55.9	mg/L	NQ	Y	F	2025-719	REG	EPA:300.0	0.67	250
NP051-25-339082	NPDES Outfall 051	05/14/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	77.6
NP051-25-339082	NPDES Outfall 051	05/14/2025	67-66-3	Chloroform	20.1	ug/L	NQ	Y	UF	2025-719	REG	SW-846:8260D	0.333	100
NP051-25-339082	NPDES Outfall 051	05/14/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	20.3
NP051-25-339083	NPDES Outfall 051	05/14/2025	CR	Chromium	3	ug/L	U	N	F	2025-719	REG	EPA:200.8	3	50
NP051-25-339083	NPDES Outfall 051	05/14/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.3	50
NP051-25-339083	NPDES Outfall 051	05/14/2025	CU	Copper	0.3	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.3	1,000
NP051-25-339083	NPDES Outfall 051	05/14/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	UJ	N	F	2025-719	REG	EPA:335.4	0.00167	200
NP051-25-339082	NPDES Outfall 051	05/14/2025	50-29-3	DDT[4,4'-]	0.01	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.01	2.29
NP051-25-339082	NPDES Outfall 051	05/14/2025	106-93-4	Dibromoethane[1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	0.05
NP051-25-339082	NPDES Outfall 051	05/14/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	600
NP051-25-339082	NPDES Outfall 051	05/14/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	75
NP051-25-339082	NPDES Outfall 051	05/14/2025	91-94-1	Dichlorobenzidine[3,3'-]	2.58	ug/L	UJ	N	UF	2025-719	REG	SW-846:8270E	2.58	1.25
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.355	197
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	25
NP051-25-339082	NPDES Outfall 051	05/14/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	7

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on May 14, 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]
NP051-25-339082	NPDES Outfall 051	05/14/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	70
NP051-25-339082	NPDES Outfall 051	05/14/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	100
NP051-25-339082	NPDES Outfall 051	05/14/2025	120-83-2	Dichlorophenol[2,4-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	45.3
NP051-25-339082	NPDES Outfall 051	05/14/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	542-75-6	Dichloropropene[cis/trans-1,3-]	0.5	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.5	4.71
NP051-25-339082	NPDES Outfall 051	05/14/2025	60-57-1	Dieldrin	0.01	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.01	0.0175
NP051-25-339082	NPDES Outfall 051	05/14/2025	84-66-2	Diethylphthalate	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	14,800
NP051-25-339082	NPDES Outfall 051	05/14/2025	131-11-3	Dimethyl Phthalate	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	612
NP051-25-339082	NPDES Outfall 051	05/14/2025	84-74-2	Di-n-butylphthalate	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	885
NP051-25-339082	NPDES Outfall 051	05/14/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	1.52
NP051-25-339082	NPDES Outfall 051	05/14/2025	51-28-5	Dinitrophenol[2,4-]	4.29	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	4.29	38.7
NP051-25-339082	NPDES Outfall 051	05/14/2025	121-14-2	Dinitrotoluene[2,4-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	2.37
NP051-25-339082	NPDES Outfall 051	05/14/2025	606-20-2	Dinitrotoluene[2,6-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.485
NP051-25-339082	NPDES Outfall 051	05/14/2025	123-91-1	Dioxane[1,4-]	2.58	ug/L	UJ	N	UF	2025-719	REG	SW-846:8270E	2.58	4.59
NP051-25-339082	NPDES Outfall 051	05/14/2025	122-39-4	Diphenylamine	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	122
NP051-25-339082	NPDES Outfall 051	05/14/2025	959-98-8	Endosulfan I	0.00665	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.00665	98.7
NP051-25-339082	NPDES Outfall 051	05/14/2025	33213-65-9	Endosulfan II	0.01	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.01	98.7
NP051-25-339082	NPDES Outfall 051	05/14/2025	72-20-8	Endrin	0.01	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.01	2.23
NP051-25-339082	NPDES Outfall 051	05/14/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	700
NP051-25-339082	NPDES Outfall 051	05/14/2025	206-44-0	Fluoranthene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	802
NP051-25-339082	NPDES Outfall 051	05/14/2025	86-73-7	Fluorene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	288
NP051-25-339083	NPDES Outfall 051	05/14/2025	F(-1)	Fluoride	0.0752	mg/L	J	Y	F	2025-719	REG	EPA:300.0	0.033	1.6
NP051-25-339082	NPDES Outfall 051	05/14/2025	76-44-8	Heptachlor	0.00665	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.00665	0.0221
NP051-25-339082	NPDES Outfall 051	05/14/2025	118-74-1	Hexachlorobenzene	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.0976
NP051-25-339082	NPDES Outfall 051	05/14/2025	87-68-3	Hexachlorobutadiene	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	1.39
NP051-25-339082	NPDES Outfall 051	05/14/2025	77-47-4	Hexachlorocyclopentadiene	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.411
NP051-25-339082	NPDES Outfall 051	05/14/2025	67-72-1	Hexachloroethane	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	3.28
NP051-25-339082	NPDES Outfall 051	05/14/2025	2691-41-0	HMX	0.0842	ug/L	U	N	UF	2025-719	REG	SW-846:8330B	0.0842	1,000
NP051-25-339178	NPDES Outfall 051	05/14/2025	2691-41-0	HMX	0.0808	ug/L	U	N	UF	2025-719	FD	SW-846:8330B	0.0808	1,000
NP051-25-339083	NPDES Outfall 051	05/14/2025	FE	Iron	30	ug/L	U	N	F	2025-719	REG	EPA:200.7	30	1,000
NP051-25-339082	NPDES Outfall 051	05/14/2025	78-59-1	Isophorone	3	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	3	781
NP051-25-339083	NPDES Outfall 051	05/14/2025	PB	Lead	0.5	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.5	15
NP051-25-339083	NPDES Outfall 051	05/14/2025	MN	Manganese	2	ug/L	U	N	F	2025-719	REG	EPA:200.7	2	200
NP051-25-339082	NPDES Outfall 051	05/14/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-719	REG	EPA:245.2	0.067	2
NP051-25-339083	NPDES Outfall 051	05/14/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-719	REG	EPA:245.2	0.067	2
NP051-25-339082	NPDES Outfall 051	05/14/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	100
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-09-2	Methylene Chloride	0.5	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.5	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	90-12-0	Methylnaphthalene[1-]	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	11.4
NP051-25-339082	NPDES Outfall 051	05/14/2025	91-57-6	Methylnaphthalene[2-]	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	35.1
NP051-25-339083	NPDES Outfall 051	05/14/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.2	1,000
NP051-25-339082	NPDES Outfall 051	05/14/2025	91-20-3	Naphthalene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	30
NP051-25-339083	NPDES Outfall 051	05/14/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.6	200
NP051-25-339083	NPDES Outfall 051	05/14/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.479	mg/L	NQ	Y	F	2025-719	REG	EPA:353.2	0.017	15
NP051-25-339132	NPDES Outfall 051	05/14/2025	NO2-N	Nitrite as Nitrogen	0.451	mg/L	NQ	Y	F	2025-705	REG	EPA:300.0	0.033	1
NP051-25-339082	NPDES Outfall 051	05/14/2025	98-95-3	Nitrobenzene	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	1.4
NP051-25-339082	NPDES Outfall 051	05/14/2025	55-18-5	Nitrosodiethylamine[N-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.00167
NP051-25-339082	NPDES Outfall 051	05/14/2025	62-75-9	Nitrosodimethylamine[N-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.00491
NP051-25-339082	NPDES Outfall 051	05/14/2025	924-16-3	Nitroso-di-n-butylamine[N-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.0273
NP051-25-339082	NPDES Outfall 051	05/14/2025	930-55-2	Nitrosopyrrolidine[N-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	0.37
NP051-25-339082	NPDES Outfall 051	05/14/2025	108-60-1	Oxybis(1-chloropropane)[2,2'-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	9.81
NP051-25-339082	NPDES Outfall 051	05/14/2025	608-93-5	Pentachlorobenzene	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	3.07
NP051-25-339082	NPDES Outfall 051	05/14/2025	87-86-5	Pentachlorophenol	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	1
NP051-25-339082	NPDES Outfall 051	05/14/2025	CLO4	Perchlorate	0.05	ug/L	U	N	UF	2025-719	REG	SW-846:6850	0.05	13.8

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on May 14, 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]
NP051-25-339082	NPDES Outfall 051	05/14/2025	355-46-4	Perfluorohexanesulfonic acid	0.577	ng/L	U	N	UF	2025-719	REG	EPA:537M	0.577	401
NP051-25-339082	NPDES Outfall 051	05/14/2025	1763-23-1	Perfluorooctanesulfonic acid	0.699	ng/L	U	N	UF	2025-719	REG	EPA:537M	0.699	60.2
NP051-25-339082	NPDES Outfall 051	05/14/2025	335-67-1	Perfluorooctanoic acid	0.699	ng/L	U	N	UF	2025-719	REG	EPA:537M	0.699	60.2
	NPDES Outfall 051	05/14/2025	pH	pH	6.7	SU								6-9
NP051-25-339082	NPDES Outfall 051	05/14/2025	85-01-8	Phenanthrene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	170
NP051-25-339082	NPDES Outfall 051	05/14/2025	108-95-2	Phenol	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	1610-18-0	Prometon	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	250
NP051-25-339082	NPDES Outfall 051	05/14/2025	129-00-0	Pyrene	0.258	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	0.258	117
NP051-25-339082	NPDES Outfall 051	05/14/2025	RA-226+228	Radium-226 and Radium-228	0.561	pCi/L	UJ	Y	UF	2025-719	REG	Generic:Radium by Calculation	-	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	121-82-4	RDX	0.0842	ug/L	U	N	UF	2025-719	REG	SW-846:8330B	0.0842	9.66
NP051-25-339178	NPDES Outfall 051	05/14/2025	121-82-4	RDX	0.0808	ug/L	U	N	UF	2025-719	FD	SW-846:8330B	0.0808	9.66
NP051-25-339083	NPDES Outfall 051	05/14/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-719	REG	EPA:200.8	1.5	50
NP051-25-339083	NPDES Outfall 051	05/14/2025	AG	Silver	0.3	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.3	50
NP051-25-339082	NPDES Outfall 051	05/14/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	100
NP051-25-339083	NPDES Outfall 051	05/14/2025	SO4(-2)	Sulfate	0.459	mg/L	NQ	Y	F	2025-719	REG	EPA:300.0	0.133	600
NP051-25-339082	NPDES Outfall 051	05/14/2025	126-33-0	Sulfolane	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	20
NP051-25-339082	NPDES Outfall 051	05/14/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	1.66
NP051-25-339082	NPDES Outfall 051	05/14/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	10
NP051-25-339082	NPDES Outfall 051	05/14/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339083	NPDES Outfall 051	05/14/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.6	2
NP051-25-339082	NPDES Outfall 051	05/14/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	1,000
NP051-25-339083	NPDES Outfall 051	05/14/2025	TDS	Total Dissolved Solids	151	mg/L	NQ	Y	F	2025-719	REG	EPA:160.1	2.38	1,000
NP051-25-339083	NPDES Outfall 051	05/14/2025	TKN	Total Kjeldahl Nitrogen	13.1	mg/L	NQ	Y	F	2025-719	REG	EPA:351.2	0.132	15
NP051-25-339082	NPDES Outfall 051	05/14/2025	8001-35-2	Toxaphene (Technical Grade)	0.15	ug/L	U	N	UF	2025-719	REG	SW-846:8081B	0.15	0.158
NP051-25-339082	NPDES Outfall 051	05/14/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	70
NP051-25-339082	NPDES Outfall 051	05/14/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	0.2
NP051-25-339082	NPDES Outfall 051	05/14/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	5
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	1,140
NP051-25-339082	NPDES Outfall 051	05/14/2025	95-95-4	Trichlorophenol[2,4,5-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	1,170
NP051-25-339082	NPDES Outfall 051	05/14/2025	88-06-2	Trichlorophenol[2,4,6-]	2.58	ug/L	U	N	UF	2025-719	REG	SW-846:8270E	2.58	11.9
NP051-25-339082	NPDES Outfall 051	05/14/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0842	ug/L	U	N	UF	2025-719	REG	SW-846:8330B	0.0842	9.8
NP051-25-339178	NPDES Outfall 051	05/14/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0808	ug/L	U	N	UF	2025-719	FD	SW-846:8330B	0.0808	9.8
NP051-25-339083	NPDES Outfall 051	05/14/2025	U	Uranium	0.067	ug/L	U	N	F	2025-719	REG	EPA:200.8	0.067	30
NP051-25-339082	NPDES Outfall 051	05/14/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	2
NP051-25-339082	NPDES Outfall 051	05/14/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	1	620
NP051-25-339082	NPDES Outfall 051	05/14/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.333	620
NP051-25-339082	NPDES Outfall 051	05/14/2025	XYLENE[M+P]	Xylene[1,3-]+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-719	REG	SW-846:8260D	0.5	620
NP051-25-339083	NPDES Outfall 051	05/14/2025	ZN	Zinc	4.81	ug/L	J	Y	F	2025-719	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
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

[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

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on May 14, 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]

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 µg/L, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

The DP-1132 standard for Total Nitrogen (TKN + NO_3-N) is 15 mg/L for discharges to Outfall 051 (Condition No. 16)

Groundwater Limit for combined naphthalene plus monomethlynaphthalenes is 30 µg/L, which represents the 20.6.2.3103 NMAC Groundwater Standard

Table 3. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on June 25, 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]
RLWTF-25-338910	RLWTF_MES	06/25/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	1.67	0.0415
RLWTF-25-338910	RLWTF_MES	06/25/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	1.67	0.523
RLWTF-25-338910	RLWTF_MES	06/25/2025	309-00-2	Aldrin	0.00681	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.00681	0.00198
RLWTF-25-338924	RLWTF_MES	06/25/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-855	REG	EPA:200.8	19.3	5,000
RLWTF-25-338910	RLWTF_MES	06/25/2025	120-12-7	Anthracene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	1,720
RLWTF-25-338924	RLWTF_MES	06/25/2025	SB	Antimony	1	ug/L	U	N	F	2025-855	REG	EPA:200.8	1	6
RLWTF-25-338910	RLWTF_MES	06/25/2025	12674-11-2	Aroclor-1016	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	11104-28-2	Aroclor-1221	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	11141-16-5	Aroclor-1232	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	53469-21-9	Aroclor-1242	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	12672-29-6	Aroclor-1248	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	11097-69-1	Aroclor-1254	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	11096-82-5	Aroclor-1260	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0333	ug/L	U	N	UF	2025-855	REG	SW-846:8082A	0.0333	0.5
RLWTF-25-338924	RLWTF_MES	06/25/2025	AS	Arsenic	2	ug/L	U	N	F	2025-855	REG	EPA:200.8	2	10
RLWTF-25-338910	RLWTF_MES	06/25/2025	1912-24-9	Atrazine	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	3
RLWTF-25-338910	RLWTF_MES	06/25/2025	103-33-3	Azobenzene	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.78
RLWTF-25-338924	RLWTF_MES	06/25/2025	BA	Barium	0.67	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.67	2,000
RLWTF-25-338910	RLWTF_MES	06/25/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	92-87-5	Benzidine	4	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	4	0.00109
RLWTF-25-338910	RLWTF_MES	06/25/2025	50-32-8	Benzo(a)pyrene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	0.2
RLWTF-25-338910	RLWTF_MES	06/25/2025	205-99-2	Benzo(b)fluoranthene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	0.343
RLWTF-25-338910	RLWTF_MES	06/25/2025	207-08-9	Benzo(k)fluoranthene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	3.43
RLWTF-25-338924	RLWTF_MES	06/25/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.2	4
RLWTF-25-338910	RLWTF_MES	06/25/2025	319-84-6	BHC[alpha-]	0.00681	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.00681	0.0693
RLWTF-25-338910	RLWTF_MES	06/25/2025	319-85-7	BHC[beta-]	0.00681	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.00681	0.243
RLWTF-25-338910	RLWTF_MES	06/25/2025	58-89-9	BHC[gamma-]	0.00681	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.00681	0.415
RLWTF-25-338910	RLWTF_MES	06/25/2025	111-44-4	Bis(2-chloroethyl)ether	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.137
RLWTF-25-338910	RLWTF_MES	06/25/2025	117-81-7	Bis(2-ethylhexyl)phthalate	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	55.6
RLWTF-25-338924	RLWTF_MES	06/25/2025	B	Boron	47.9	ug/L	J	Y	F	2025-855	REG	EPA:200.7	15	750
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-27-4	Bromodichloromethane	0.45	ug/L	J	Y	UF	2025-855	REG	SW-846:8260D	0.333	1.34
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-25-2	Bromoform	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	32.9
RLWTF-25-338910	RLWTF_MES	06/25/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.337	7.54
RLWTF-25-338924	RLWTF_MES	06/25/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.3	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	57-74-9	Chlordane(alpha/gamma)	0.0783	ug/L	U	N	UF	2025-855	REG	SW-846:8081B	0.0783	0.448
RLWTF-25-338924	RLWTF_MES	06/25/2025	CL(-1)	Chloride	4.18	mg/L	NQ	Y	F	2025-855	REG	EPA:300.0	0.067	250
RLWTF-25-338948	RLWTF_MES	06/25/2025	CL(-1)	Chloride	4.21	mg/L	NQ	Y	F	2025-855	FD	EPA:300.0	0.067	250
RLWTF-25-338910	RLWTF_MES	06/25/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	77.6
RLWTF-25-338910	RLWTF_MES	06/25/2025	67-66-3	Chloroform	9.13	ug/L	NQ	Y	UF	2025-855	REG	SW-846:8260D	0.333	100
RLWTF-25-338910	RLWTF_MES	06/25/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	20.3
RLWTF-25-338924	RLWTF_MES	06/25/2025	CR	Chromium	3	ug/L	U	N	F	2025-855	REG	EPA:200.8	3	50
RLWTF-25-338924	RLWTF_MES	06/25/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.3	50
RLWTF-25-338924	RLWTF_MES	06/25/2025	CU	Copper	0.524	ug/L	J	Y	F	2025-855	REG	EPA:200.8	0.3	1,000
RLWTF-25-338924	RLWTF_MES	06/25/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-855	REG	EPA:335.4	0.00167	200
RLWTF-25-338910	RLWTF_MES	06/25/2025	50-29-3	DDT[4,4'-]	0.0102	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.0102	2.29
RLWTF-25-338910	RLWTF_MES	06/25/2025	84-74-2	Di-n-butylphthalate	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	885
RLWTF-25-338910	RLWTF_MES	06/25/2025	106-93-4	Dibromoethane[1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	0.05
RLWTF-25-338910	RLWTF_MES	06/25/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	600

Table 3. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on June 25, 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]
RLWTF-25-338910	RLWTF_MES	06/25/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	75
RLWTF-25-338910	RLWTF_MES	06/25/2025	91-94-1	Dichlorobenzidine[3,3'-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1.25
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.355	197
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	25
RLWTF-25-338910	RLWTF_MES	06/25/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	7
RLWTF-25-338910	RLWTF_MES	06/25/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	70
RLWTF-25-338910	RLWTF_MES	06/25/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	100
RLWTF-25-338910	RLWTF_MES	06/25/2025	120-83-2	Dichlorophenol[2,4-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	45.3
RLWTF-25-338910	RLWTF_MES	06/25/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	542-75-6	Dichloropropene[cis/trans-1,3-]	0.5	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.5	4.71
RLWTF-25-338910	RLWTF_MES	06/25/2025	60-57-1	Dieldrin	0.0102	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.0102	0.0175
RLWTF-25-338910	RLWTF_MES	06/25/2025	84-66-2	Diethylphthalate	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	14,800
RLWTF-25-338910	RLWTF_MES	06/25/2025	131-11-3	Dimethyl Phthalate	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	612
RLWTF-25-338910	RLWTF_MES	06/25/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1.52
RLWTF-25-338910	RLWTF_MES	06/25/2025	51-28-5	Dinitrophenol[2,4-]	5.13	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	5.13	38.7
RLWTF-25-338910	RLWTF_MES	06/25/2025	121-14-2	Dinitrotoluene[2,4-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	2.37
RLWTF-25-338910	RLWTF_MES	06/25/2025	606-20-2	Dinitrotoluene[2,6-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.485
RLWTF-25-338910	RLWTF_MES	06/25/2025	123-91-1	Dioxane[1,4-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	4.59
RLWTF-25-338910	RLWTF_MES	06/25/2025	122-39-4	Diphenylamine	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	122
RLWTF-25-338910	RLWTF_MES	06/25/2025	959-98-8	Endosulfan I	0.00681	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.00681	98.7
RLWTF-25-338910	RLWTF_MES	06/25/2025	33213-65-9	Endosulfan II	0.0102	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.0102	98.7
RLWTF-25-338910	RLWTF_MES	06/25/2025	72-20-8	Endrin	0.0102	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.0102	2.23
RLWTF-25-338910	RLWTF_MES	06/25/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	700
RLWTF-25-338910	RLWTF_MES	06/25/2025	206-44-0	Fluoranthene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	802
RLWTF-25-338910	RLWTF_MES	06/25/2025	86-73-7	Fluorene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	288
RLWTF-25-338948	RLWTF_MES	06/25/2025	F(-1)	Fluoride	0.0467	mg/L	J	Y	F	2025-855	FD	EPA:300.0	0.033	1.6
RLWTF-25-338924	RLWTF_MES	06/25/2025	F(-1)	Fluoride	0.0473	mg/L	J	Y	F	2025-855	REG	EPA:300.0	0.033	1.6
RLWTF-25-338910	RLWTF_MES	06/25/2025	76-44-8	Heptachlor	0.00681	ug/L	UJ	N	UF	2025-855	REG	SW-846:8081B	0.00681	0.0221
RLWTF-25-338910	RLWTF_MES	06/25/2025	118-74-1	Hexachlorobenzene	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.0976
RLWTF-25-338910	RLWTF_MES	06/25/2025	87-68-3	Hexachlorobutadiene	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1.39
RLWTF-25-338910	RLWTF_MES	06/25/2025	77-47-4	Hexachlorocyclopentadiene	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.411
RLWTF-25-338910	RLWTF_MES	06/25/2025	67-72-1	Hexachloroethane	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	3.28
RLWTF-25-338910	RLWTF_MES	06/25/2025	2691-41-0	HMX	0.08	ug/L	U	N	UF	2025-855	REG	SW-846:8330B	0.08	1,000
RLWTF-25-338924	RLWTF_MES	06/25/2025	FE	Iron	30	ug/L	U	N	F	2025-855	REG	EPA:200.7	30	1,000
RLWTF-25-338910	RLWTF_MES	06/25/2025	78-59-1	Isophorone	3.59	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.59	781
RLWTF-25-338924	RLWTF_MES	06/25/2025	PB	Lead	0.5	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.5	15
RLWTF-25-338924	RLWTF_MES	06/25/2025	MN	Manganese	2	ug/L	U	N	F	2025-855	REG	EPA:200.7	2	200
RLWTF-25-338924	RLWTF_MES	06/25/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-855	REG	EPA:245.2	0.067	2
RLWTF-25-338910	RLWTF_MES	06/25/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-855	REG	EPA:245.2	0.067	2
RLWTF-25-338910	RLWTF_MES	06/25/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	100
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-09-2	Methylene Chloride	0.63	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.5	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	90-12-0	Methylnaphthalene[1-]	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	30
RLWTF-25-338910	RLWTF_MES	06/25/2025	91-57-6	Methylnaphthalene[2-]	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	30
RLWTF-25-338924	RLWTF_MES	06/25/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.2	1,000
RLWTF-25-338910	RLWTF_MES	06/25/2025	91-20-3	Naphthalene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	30
RLWTF-25-338924	RLWTF_MES	06/25/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.6	200
RLWTF-25-338924	RLWTF_MES	06/25/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	1.09	mg/L	NQ	Y	F	2025-855	REG	EPA:353.2	0.085	10
RLWTF-25-338922	RLWTF_MES	06/25/2025	NO2-N	Nitrite as Nitrogen	0.0939	mg/L	J	Y	F	2025-848	REG	EPA:300.0	0.033	1

Table 3. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on June 25, 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]
RLWTF-25-338910	RLWTF_MES	06/25/2025	98-95-3	Nitrobenzene	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1.4
RLWTF-25-338910	RLWTF_MES	06/25/2025	924-16-3	Nitroso-di-n-butylamine[N-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.0273
RLWTF-25-338910	RLWTF_MES	06/25/2025	55-18-5	Nitrosodiethylamine[N-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.00167
RLWTF-25-338910	RLWTF_MES	06/25/2025	62-75-9	Nitrosodimethylamine[N-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.00491
RLWTF-25-338910	RLWTF_MES	06/25/2025	930-55-2	Nitrosopyrrolidine[N-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	0.37
RLWTF-25-338910	RLWTF_MES	06/25/2025	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	9.81
RLWTF-25-338910	RLWTF_MES	06/25/2025	608-93-5	Pentachlorobenzene	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	3.07
RLWTF-25-338910	RLWTF_MES	06/25/2025	87-86-5	Pentachlorophenol	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1
RLWTF-25-338946	RLWTF_MES	06/25/2025	CLO4	Perchlorate	0.05	ug/L	U	N	UF	2025-855	FD	SW-846:6850	0.05	13.8
RLWTF-25-338910	RLWTF_MES	06/25/2025	CLO4	Perchlorate	0.05	ug/L	U	N	UF	2025-855	REG	SW-846:6850	0.05	13.8
RLWTF-25-338910	RLWTF_MES	06/25/2025	355-46-4	Perfluorohexanesulfonic acid	0.592	ng/L	U	N	UF	2025-855	REG	EPA:537M	0.592	401
RLWTF-25-338910	RLWTF_MES	06/25/2025	1763-23-1	Perfluorooctanesulfonic acid	0.717	ng/L	U	N	UF	2025-855	REG	EPA:537M	0.717	60.2
RLWTF-25-338910	RLWTF_MES	06/25/2025	335-67-1	Perfluorooctanoic acid	0.717	ng/L	U	N	UF	2025-855	REG	EPA:537M	0.717	60.2
	RLWTF_MES	06/25/2025	pH	pH	6.9	SU								6-9
RLWTF-25-338910	RLWTF_MES	06/25/2025	85-01-8	Phenanthrene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	170
RLWTF-25-338910	RLWTF_MES	06/25/2025	108-95-2	Phenol	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	1610-18-0	Prometon	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	250
RLWTF-25-338910	RLWTF_MES	06/25/2025	129-00-0	Pyrene	0.308	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	0.308	117
RLWTF-25-338910	RLWTF_MES	06/25/2025	RA-226+228	Radium-226 and Radium-228	1.35	pCi/L	J+	Y	UF	2025-855	REG	Generic:Radium by Calculation	-	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	121-82-4	RDX	0.08	ug/L	U	N	UF	2025-855	REG	SW-846:8330B	0.08	9.66
RLWTF-25-338924	RLWTF_MES	06/25/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-855	REG	EPA:200.8	1.5	50
RLWTF-25-338924	RLWTF_MES	06/25/2025	AG	Silver	0.3	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.3	50
RLWTF-25-338910	RLWTF_MES	06/25/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	100
RLWTF-25-338924	RLWTF_MES	06/25/2025	SO4(-2)	Sulfate	0.309	mg/L	J	Y	F	2025-855	REG	EPA:300.0	0.133	600
RLWTF-25-338910	RLWTF_MES	06/25/2025	126-33-0	Sulfolane	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	20
RLWTF-25-338910	RLWTF_MES	06/25/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1.66
RLWTF-25-338910	RLWTF_MES	06/25/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	10
RLWTF-25-338910	RLWTF_MES	06/25/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338924	RLWTF_MES	06/25/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.6	2
RLWTF-25-338910	RLWTF_MES	06/25/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	1,000
RLWTF-25-338948	RLWTF_MES	06/25/2025	TDS	Total Dissolved Solids	63	mg/L	NQ	Y	F	2025-855	FD	EPA:160.1	2.38	1,000
RLWTF-25-338924	RLWTF_MES	06/25/2025	TDS	Total Dissolved Solids	62	mg/L	NQ	Y	F	2025-855	REG	EPA:160.1	2.38	1,000
RLWTF-25-338924	RLWTF_MES	06/25/2025	TKN	Total Kjeldahl Nitrogen	7.91	mg/L	NQ	Y	F	2025-855	REG	EPA:351.2	0.33	-
RLWTF-25-338910	RLWTF_MES	06/25/2025	8001-35-2	Toxaphene (Technical Grade)	0.154	ug/L	U	N	UF	2025-855	REG	SW-846:8081B	0.154	0.158
RLWTF-25-338910	RLWTF_MES	06/25/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	70
RLWTF-25-338910	RLWTF_MES	06/25/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	0.2
RLWTF-25-338910	RLWTF_MES	06/25/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	5
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	1,140
RLWTF-25-338910	RLWTF_MES	06/25/2025	95-95-4	Trichlorophenol[2,4,5-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	1,170
RLWTF-25-338910	RLWTF_MES	06/25/2025	88-06-2	Trichlorophenol[2,4,6-]	3.08	ug/L	U	N	UF	2025-855	REG	SW-846:8270E	3.08	11.9
RLWTF-25-338910	RLWTF_MES	06/25/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.08	ug/L	U	N	UF	2025-855	REG	SW-846:8330B	0.08	9.8
RLWTF-25-338924	RLWTF_MES	06/25/2025	U	Uranium	0.067	ug/L	U	N	F	2025-855	REG	EPA:200.8	0.067	30
RLWTF-25-338910	RLWTF_MES	06/25/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	2
RLWTF-25-338910	RLWTF_MES	06/25/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	1	620
RLWTF-25-338910	RLWTF_MES	06/25/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.333	620
RLWTF-25-338910	RLWTF_MES	06/25/2025	XYLENE[M+P]	Xylene[1,3-]+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-855	REG	SW-846:8260D	0.5	620
RLWTF-25-338924	RLWTF_MES	06/25/2025	ZN	Zinc	3.3	ug/L	U	N	F	2025-855	REG	EPA:200.7	3.3	10,000

Table 3. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on June 25, 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]

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
UJ - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual
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
J+ - The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential positive bias

[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 µg/L, which represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit
Total Kjeldahl Nitrogen does not have a 20.6.2.3103 NMAC standard or NMED Risk Assesment Guidance, Table A-1 Tap Water Limit
Groundwater Limit for combined naphthalene plus monomethlynaphthalenes is 30 µg/L, which represents the 20.6.2.3103 NMAC Groundwater Standard

Attachment 5

Groundwater Monitoring Report - Second Quarter 2025

EPC-DO: 25-203

LA-UR-25-27049

Date: July 31, 2025

Quarterly Groundwater Monitoring Report – Second Quarter 2025

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MCOI-6, Second Quarter 2025 4

MCA-RLW-1, Second Quarter 2025

a	Sample Date	5/5/2025
b	Sample Time	1209
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 May 5, 2025, due to insufficient water in the well. The well only contained 0.15 ft of standing water.

MCA-RLW-2, Second Quarter 2025

a	Sample Date	5/5/2025
b	Sample Time	1257
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 (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 May 5, 2025, due to insufficient water in the well. The well only contained 0.26 ft of standing water.

MCOI-6, Second Quarter 2025

a	Sample Date	5/6/2025
b	Sample Time	1109
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))	6,137.51
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)	128.7
j	Physical parameters including temperature, conductivity, pH, oxidation/reduction potential	DO (mg/L): 7.05 Oxidation/Reduction Potential (MV): 183.6 Temp (deg C): 15.6 pH (SU): 7.38 Turbidity (NTU): 2.48 Specific Conductance (µS/cm): 513
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

N3B SMO
Los Alamos NM

Chain of Custody/Analysis Request

AOI-6

COC/Lab Request #: N3B-2025-1719
Page 1 of 1

Client Contact:

Lab Agreement #:

Site Name: N3B LANL

Project Number:

Analysis Turnaround Time:
24 Hour - ☐ Other - ☒
7 Days - ☐ Value - > Standard
14 Days - ☐
21 Days - ☐
28 Days - ☐

Total # of bottles: 24
Event ID: 16916

Rad Screening Info:

Lab Reporting Limit Type: Method Detection Limit

Field Sample ID	Sample Date	Sample Time	Sample Matrix	EPA:350.1_NH3+353.2_NO3/NO2+365.4_PO4	EPA:351.2_TKN+SW-846:9060_TOC	EPA:SC_pH_TDS_Alk+SW-846:ClO4_Anions	HRGC-HRMS:Nitrosamines_LL	SW-846:6020_Al+Se+7470_Hg	SW-846:8081_HCB_LL	SW-846:8260_IFGMP_VOA	SW-846:8270-SIM_1,4-Dioxane	SW-846:8270_IFGMP_SVOA+IFGMP_SVOA_SIM	SW-846:8321_IFGMP_SVOA	SW-846:9012_CN(T)	SW-846:IFGMP_Metals
CAMO-25-362288	05/06/2025	11:09	W		1			1	2	2	2	3		1	
CAMO-25-362289	05/06/2025	11:09	W	1		1									1
CAMO-25-362290	05/06/2025	11:09	W										3		
CAMO-25-362291	05/06/2025	11:09	W				4								
CAMO-25-362298	05/06/2025	11:09	W							2					

Special Instructions:

Relinquished by:	Print Name: Jaclyn Supkoff	Date/Time: 05/06/2025 1350	Received by:	Print Name: Kat Popow	Date/Time: 05/06/2025 1350
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:
Relinquished by:	Print Name:	Date/Time:	Received by:	Print Name:	Date/Time:

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

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	Groundwater Limit[6]
CAMO-25-362289	MCOI-6	05/06/2025	CL(-1)	Chloride	43.3	mg/L	NQ	Y	F	N3B-2025-1732	REG	SW-846:9056A	0.67	250
CAMO-25-362289	MCOI-6	05/06/2025	F(-1)	Fluoride	0.537	mg/L	NQ	Y	F	N3B-2025-1732	REG	SW-846:9056A	0.033	1.6
CAMO-25-362289	MCOI-6	05/06/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	18.1	mg/L	NQ	Y	F	N3B-2025-1732	REG	EPA:353.2	0.85	10
CAMO-25-362289	MCOI-6	05/06/2025	CLO4	Perchlorate	125	ug/L	NQ	Y	F	N3B-2025-1732	REG	SW-846:6850	2.5	13.8
CAMO-25-362289	MCOI-6	05/06/2025	TDS	Total Dissolved Solids	369	mg/L	J	Y	F	N3B-2025-1732	REG	EPA:160.1	2.38	1,000
CAMO-25-362288	MCOI-6	05/06/2025	TKN	Total Kjeldahl Nitrogen	0.033	mg/L	UJ	N	UF	N3B-2025-1732	REG	EPA:351.2	0.033	-

Notes:

[1]mg/L - milligrams per liter.
ug/L - micrograms per liter.

[2]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.
UJ - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual

[3]Y - In the detected column means the analyte was detected.
N - In the detected column means the analyte was not detected.

[4]F - In the Field Preparation Code column means the sample was filtered.
UF - In the Field Preparation Code column means the sample was not filtered.

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

[6]Groundwater 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.

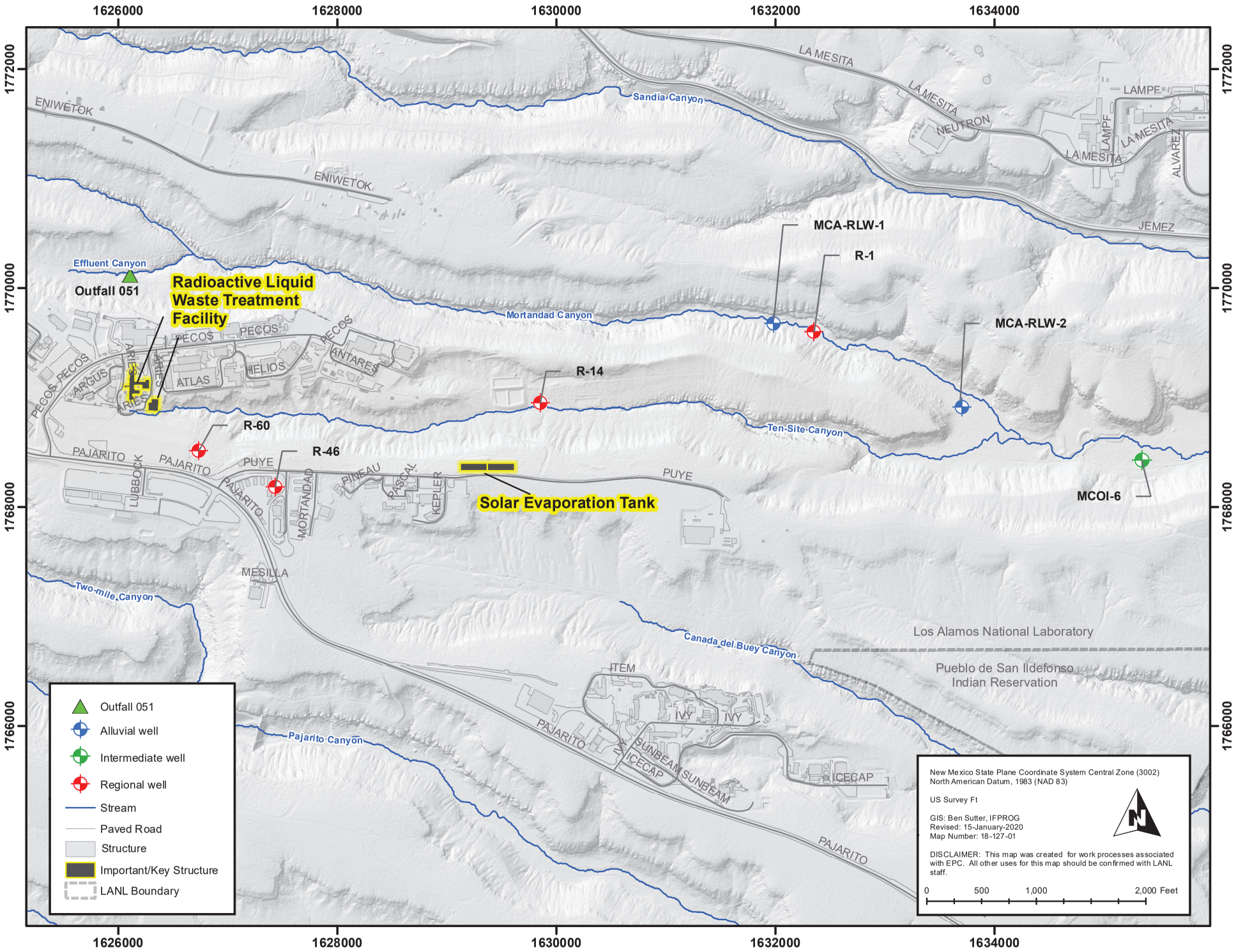
Attachment 6

Monitoring Well Location Map

EPC-DO: 25-203

LA-UR-25-27049

Date: July 31, 2025


1626000
1628000
1630000
1632000
1634000
1772000
1770000
1768000
1766000
Outfall 051
Radioactive Liquid Waste Treatment Facility
Effluent Canyon
Sandia Canyon
Mortandad Canyon
Ten-Site Canyon
Two-mile Canyon
Pajarito Canyon
Canada del Buey Canyon
R-60
R-46
R-14
R-1
MCA-RLW-1
MCA-RLW-2
MCOI-6
Solar Evaporation Tank
LA MESITA
ENIWETOK
NEUTRON
LAMPE
ALVAREZ
JEMEZ
PECOS
ARGUS
ATLAS
HELIOS
ANTARES
PAJARITO
PUYE
LUBBOCK
MORTANDAD
PINEAU
PASCAL
KEPLER
MESILLA
ITEM
IVY
SUNBEAM
ICECAP
Los Alamos National Laboratory
Pueblo de San Ildefonso Indian Reservation
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, IFPROG
Revised: 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.
N
0
500
1,000
2,000 Feet