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Symbol: EPC-DO: 25-279

Date: November 05, 2025

LA-UR: 25-30070

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, Third 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 November 1, 2025. The following permit conditions are addressed in Attachments 1 through 6 of this report.

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

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

Sincerely,

**SARAH
HOLCOMB
(Affiliate)**

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

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Date: 2025.10.23 07:24:58
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Sincerely,

**PATRICK
MOSS**

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

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PATRICK MOSS
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Attachment: Attachment 1 RLWTF Monitoring Report – Third 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 – Third Quarter 2025
Attachment 6 Monitoring Well Location Map

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Attachment 1

RLWTF Monitoring Report – Third Quarter 2025

EPC-DO: 25-279

LA-UR-25-30070

Date: November 05, 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 November 1, 2025, for the monitoring period of July 1, 2025, through September 30, 2025 (third quarter). The following permit conditions are addressed in Attachments 1 through 6 of this report.

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

Condition No. 13: Maintenance and Repair

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

- **Attachment 2** provides a summary of the maintenance and repair activities conducted at the Radioactive Liquid Waste Treatment Facility (RLWTF) during the third 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 completed in August 2025.
- Installation of the two replacement effluent tanks inside the facility was initiated during the third quarter of 2025 and work is ongoing.

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 third 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 third 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 third quarter 2025 monitoring period.
- No treated effluent was discharged to the Solar Evaporative Tank System (SET) during the third 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.

- **MES Sampling.** Treated effluent from the RLWTF was discharged to the MES this quarter in the month of July. Quarterly 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 July 29th, 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 third quarter of 2025 are included in **Attachment 4, Table 1**.

- **NPDES Outfall 051 Sampling.** Treated effluent from the RLWTF was discharged to NPDES Outfall 051 this quarter during the months of August and September. Monthly 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 August 12th and September 3rd, 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 with the exception of benzidine and nitrosodimethylamine [N-] from the September 3rd monthly sample.

The September 3rd, 2025, sample results had a benzidine detection of 34.8 µg/L which is above the NMED Risk Assessment Guidance, Table A-1, Tap Water Limit of 0.00109 µg/L. Nitrosodimethylamine [N-] was detected in this sample at a concentration of 4.8 µg/L which is above the NMED Risk Assessment Guidance, Table A-1, Tap Water Limit of 0.00491 µg/L. These analytical results were received on September 15th and were validated on September 22nd. In accordance with Permit Condition No. 18, *Effluent Exceedance*, a subsequent confirmation sample was collected for benzidine and nitrosodimethylamine [N-] from the next RLWTF discharge on September 23rd, 2025, when a compliance sample and field blank were collected for these two analytes. All results from the September 23rd confirmation samples were non-detect for both benzidine and nitrosodimethylamine [N-].

Prior to the September 3rd, 2025, benzidine and nitrosodimethylamine [N-] detections, neither of these analytes had been detected in the RLWTF treated effluent compliance sampling conducted since the permit was issued in May 2022. Additionally, both of these parameters were also sampled for from the September 3rd discharge in accordance with the NPDES Industrial and Sanitary Outfall Permit using EPA Method 625.1 and both results were non-detect.

Treated effluent monitoring will continue to be conducted in accordance with Permit Condition Nos. 16 and 17. Analytical results collected for DP-1132 from NPDES Outfall 051 in the third quarter of 2025 are included in **Attachment 4, Tables 2, 3, and 4**.

- **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 third 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 third 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 July and August 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 July 7, 2025. Sample results from MCOI-6 for TKN, nitrate-nitrite as nitrogen (NO₃+NO₂-N), total dissolved solids, chloride, fluoride, and perchlorate (ClO₄) are provided in **Attachment 5, Table 1**. These samples were submitted to GEL Laboratories, LLC for analysis. All results from the July 7, 2025, sampling event at MCOI-6 were either not detected or below 20.6.2.3103 NMAC standards and 20.6.2.7.T NMAC screening levels, with the exception of the following:
 - NO₃+NO₂-N was detected at a concentration of 16.2 mg/L. The 20.6.2.3103 NMAC standard for NO₃-N is 10 mg/L. The average NO₃+NO₂-N concentration at MCOI-6 during the 5-yr period from 2020 through 2024 was 14.3 mg/L with multiple exceedances of the 10 mg/L standard. Detections of NO₃+NO₂-N at MCOI-6 at concentrations greater than the ground water standard were previously identified and reported to NMED. Monitoring well MCOI-6 will continue to be routinely sampled for NO₃+NO₂-N in accordance with DP-1132 and pursuant to the Compliance Order on Consent (Consent Order).
 - ClO₄ was detected at a concentration of 131 µg/L. The 20.6.2.7.T NMAC guidance for ClO₄ is 13.8 µg/L. The average ClO₄ concentration at MCOI-6 during the 5-yr period from 2020 through 2024 was 106.7 µg/L. Detections of ClO₄ at MCOI-6 at concentrations greater than the 20.6.2.7.T NMAC guidance screening levels were previously identified and reported to NMED. Monitoring well MCOI-6 will continue to be routinely sampled for ClO₄ in accordance with DP-1132 and pursuant to the Consent Order.

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

Quarterly Summary of Maintenance and Repair Activities Conducted at the RLWTF

EPC-DO: 25-279

LA-UR-25-30070

Date: November 05, 2025

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

Structures	Description	Built	Task Type						Total
			PM	CO	MD	SR	UP	CN	
Building 1	Original treatment bldg.	1963	42	13	6	1	0	1	63
Building 2	Original influent storage bldg.	1963	3	1	0	2	0	0	6
Building 66	TRU influent storage	1982	0	0	0	0	0	0	0
Building 90	100K Influent Storage tank	1982							
Building 248	Low-level bottoms storage	1996	4	0	0	0	0	0	4
Building 250	Low-level influent storage	2009	20	0	1	0	0	0	21
Building 257	Mechanical Evaporator System	2010	1	0	0	0	0	0	1
TA52	Solar Evaporation Tank	2011	11	0	0	0	0	0	11
Totals			81	14	7	3	0	1	106

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

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

TA-50-0001 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500001	00807542	01	CO	500001 REPLACE VALVE BODY ON VALVE 016-CUF-V43
500001	00778610	01	CO	500001 TROUBLESHOOT AND REPAIR HV-9
500001	00770143	01	CO	50-0001 HV-8 TROUBLE SHOOT AND REPAIR
500001	00799611	01	CO	500001 RELAMP HIGH BAY LIGHTS
500001	00715084	01	CO	500001 REPAIR DEFICIENCIES ON DRE'S 001-005
500001	00715084	02	CO	500001 REPAIR DEFICIENCIES ON DRE'S 001-005
500001	00818308	01	CO	500001 TROUBLE SHOOT AND REPAIR LIGHTING
500001	00830883	01	CO	500001 REQUEST TS/REPAIR PUMP P100-2 EMERGENCY STOP BUTTON
500001	00830639	01	CO	500001 TROUBLESHOOT AND REPAIR REFRIGERATION LEAK RUA-004
500001	00655580	01	CO	500001 REPLACE TK-73 DIAPHRAGM PUMP
500001	00834637	01	CO	500001 TROUBLESHOOT/REPAIR 62-RO-P01
500001	00824770	01	CO	TA-50-0001 RIK FIRE ALARM REPLACEMENT PROJECT
500001	00834631	01	CO	500001 REQUEST TROUBLESHOOT/REPAIR OF HV-11 MOTOR CONTROLLER
500001	00739942	01	MD	500001 MOVE ICP-MS INSTRUMENT FROM 50-230 TO MATT'S LAB.
500001	00805104	01	MD	500001 INSTALL A 208V 20 AMP RECEPTACLE IN ROOM 124
500001	00689893	01	MD	500001 MODIFY WALL HEATERS (HUWS)
500001	00816516	01	MD	500001 INSTALL ORIFICE IN CA SYSTEM
500001	00833908	01	MD	500001 PRESSURE SWITCH 36-CIP-FSL01
500001	00734302	01	MD	500001 TEST WM2 CO2 LINE.
500001	00820433	01	PM	500001 EH-001 ELEVTR 6MO PM ELEC/MECH MAINT, THYSSEN KRUPP
500001	00818052	01	PM	50-1 RLW FUME HOOD TEST (A)
500001	00812225	01	PM	50-66/50-01 FAH 1YR PM, HEPA FILTERS (PLENUM) TESTING
500001	00820018	01	PM	500001 LTE 1 MO PM
500001	00820001	01	PM	500001 LTET 1MO PM
500001	00821030	01	PM	50-1 RM24 ANNUAL SRO/HWE CONTROL CABINET CLEANING
500001	00823820	01	PM	500001 EW 1YR PM, EYEWASH STATIONS
500001	00819986	01	PM	50-0001 (M) AED
500001	00820016	01	PM	50-1 FEXT (1M) PM
500001	00819943	01	PM	500001 LUBE 6MO PM, HEATING & VENTILATION (MECHANICAL) 5 EA
500001	00819962	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

TA-50-0001 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500001	00817266	01	PM	50-1 FEXT (1M) PM
500001	00831494	01	PM	50-1 T-21 PH TRANSMITTERS (6 MO) CALIBRATION
500001	00820703	01	PM	500001 MICROFILTER 3 MONTH PUMP MAINTENANCE
500001	00819784	01	PM	500001 RM 24 (6M) SRO, AIT(2EA) ANALYZER VERIFICATION PM
500001	00824161	01	PM	500001 RM24 ANNUAL TK-25 LEVEL TRANSMITTER CALIBRATION
500001	00823252	01	PM	500001 LTE 1 MO PM
500001	00823251	01	PM	50-1 FEXT (1M) PM
500001	00823217	01	PM	500001 LTET 1MO PM
500001	00823230	01	PM	50-0001 (M) AED
500001	00824166	01	PM	500001 CM-11 (1YR) PM, ANSI INSPECTION
500001	00823172	01	PM	500001 CA-4 (3 MONTH) AIR COMPRESSOR PM
500001	00823170	01	PM	500001 ASE 3MO PM, EXHAUST STACK PUMP
500001	00827108	01	PM	50-1-116B CM-003/HE-005: 1-YR PM MECH/ELECT
500001	00827106	01	PM	50-1-60 CM-010/HE-008: 1-YR PM (INSPECTION)
500001	00827104	01	PM	500001 CM-010/HE-008 (1YR) PM, MECH/ELECT MAINT
500001	00824165	01	PM	500001 CM-11 (1YR) PM, MECHANICAL
500001	00827109	01	PM	50-1-116B CM-003/HE-005: 1-YR PM (INSPECTION)
500001	00823220	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING
500001	00812389	01	PM	500001 5 YR PRV6 MAINTENANCE (MICRO FILTER)
500001	00800048	01	PM	TA-50 FCP 6MO PM, FIRE ALARM SYSTEMS INSPECTION & TESTING
500001	00826201	01	PM	500001 LTET 1MO PM
500001	00802988	01	PM	50-1 HUE (A) PM
500001	00827260	01	PM	50-1 DRUM TUMBLER (3M) PM
500001	00826228	01	PM	500001 LTE 1 MO PM
500001	00826219	01	PM	50-1 FEXT (1M) PM
500001	00827749	01	PM	500001 BHW 1YR PM, INSPECTION & MAINTENANCE
500001	00827748	01	PM	500001-60/60A LT 1YR PM LEVEL INSTRUMENT VERIFICATION (22 EA
500001	00826276	01	PM	50-0001 (M) AED
500001	00827753	01	PM	500001 PV-008 6MO PM, (MECHANICAL)
500001	00826247	01	PM	500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING
500001	00826197	01	PM	500001 3MO ELEVATOR ELECT/MECH MAINT, THYSSEN-KRUPP
500001	00650887	04	SR	500001/0230 & 550066/0313/440 TRANE TS/REPAIR STANDING
500001	767658	01	CN	500001 REPAIR RLWCS VAULT ALARMS FY25

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

TA-50-0250 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500250	00692204	01	MD	500250 INSTALL AN ELECTRIC HOIST IN ROOM 005
500250	00821032	01	PM	50-250 (1YR) FIT VERIFY ACCURACY 1 EA
500250	00820710	01	PM	500250 SHS 3MO PM, SAFETY SHOWER
500250	00820009	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00820005	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00820004	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00819946	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00821035	01	PM	500250 (A) VERIFY & ENSURE ACCURACY TANK LEVEL INDIC PM 6 EA
500250	00823271	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM
500250	00823265	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00823266	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00827110	01	PM	50-250 LTNT (A) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00824164	01	PM	50-250 CM-1/HE-1 1YR ANSI INSPECTION PM
500250	00824163	01	PM	50-250 CM-1/HE-1 (1YR) MECH-ELECT MAINTENANCE PM
500250	00834236	01	PM	50-250 CM-2/HE-2 (1YR) ANSI INSPECTION PM
500250	00834210	01	PM	50-250 CM-2/HE-2 (1YR) MECH-ELECT MAINTENANCE PM
500250	00826211	01	PM	500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT
500250	00826205	01	PM	500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS
500250	00826204	01	PM	500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT
500250	00827107	01	PM	50-250 SPW (A) PM
500250	00826217	01	PM	500250 FEXT (M), FIRE EXTINGUISHERS PM

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

TA-52-0181 Work Completion Report (07-01-2025 to 09-30-2025)

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

TA-52-0182 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
520182	00822948	01	PM	520182 (A) EMERGENCY LIGHTS PM
520182	00820123	01	PM	520182 (A) NON TRITIUM LIGHTS PM
520182	00820122	01	PM	520182 (A) FEXT PM
520182	00823177	01	PM	520182 (3M) SIGNAGE VERIFICATION FOR FENCE LINE
520182	00823175	01	PM	520182 (3M) FENCE LINE VERIFICATION
520182	00823226	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00823225	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00823219	01	PM	520182 (M) FEXT PM
520182	00826262	01	PM	520182 (M) NON TRITIUM LIGHTS PM
520182	00826263	01	PM	520182 (M) EMERGENCY LIGHTS PM
520182	00826261	01	PM	520182 (M) FEXT PM

TA-52-0183 Work Completion Report (07-01-2025 to 09-30-2025)

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

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

TA-50-0002 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500002	00661824	01	CO	500002 MCC-A BREAKER E4L VOLTAGE MEASUREMENTS
500002	00823152	01	PM	50-2 TCA (6M) AUTO DUMP PM
500002	00825826	01	PM	50-2 CA (6M) MECHANICAL PM
500002	00827751	01	PM	500002 HUE 1YR PM
500002	00831102	01	SR	PMDS DECON TA-50-0001 ROOM 70/70A DECON
500002	00829796	01	SR	PMDS DECON TA-50-0002

TA-50-0090 Work Completion Report (07-01-2025 to 09-30-2025)

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

TA-50-0066 Work Completion Report (07-01-2025 to 09-30-2025)

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

TA-50-0201 Work Completion Report (07-01-2025 to 09-30-2025)

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

TA-50-0248 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500248	00822779	01	PM	50-248 MIXERS: 6-MO PM (LUBRICATION)
500248	00823180	01	PM	500248 PUMPS 3MO PM
500248	00827090	01	PM	50-248 ULTRASONIC TANK: 3-YR INSPECTION (TK-3 & TK-17)
500248	00827752	01	PM	50-248 HUE (A) PM

DP-1132 Report: Third Quarter 2025 RLWTF Maintenance

TA-50-0257 Work Completion Report (07-01-2025 to 09-30-2025)

Unit	Work Order	WO	WO Type	Task Title
500257	00827268	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: 25-279

LA-UR-25-30070

Date: November 05, 2025

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

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
Totals, 2025-Q3	394,704	44,239	323,951	0	204
Sub-total, July	116,480	44,239	0	0	204
Sub-total, August	150,094	0	101,517	0	0
Sub-total, Sept.	128,130	0	222,433	0	0

All flows are in Liters.

1-Jul	4,012	0	0	0	0
2-Jul	5,488	0	0	0	0
3-Jul	6,662	0	0	0	0
4-Jul	1,022	0	0	0	0
5-Jul	341	0	0	0	0
6-Jul	1,665	0	0	0	0
7-Jul	4,164	0	0	0	0
8-Jul	7,986	0	0	0	0
9-Jul	3,066	0	0	0	0
10-Jul	1,930	0	0	0	98
11-Jul	2,650	0	0	0	0
12-Jul	1,400	0	0	0	0
13-Jul	795	0	0	0	0
14-Jul	3,331	0	0	0	0
15-Jul	3,293	0	0	0	0
16-Jul	4,656	0	0	0	0
17-Jul	5,223	0	0	0	0
18-Jul	4,277	0	0	0	0
19-Jul	2,801	0	0	0	0
20-Jul	1,893	0	0	0	0
21-Jul	5,980	0	0	0	0
22-Jul	4,618	0	0	0	0
23-Jul	6,094	0	0	0	0
24-Jul	4,391	0	0	0	106
25-Jul	3,596	0	0	0	0
26-Jul	2,952	0	0	0	0
27-Jul	5,034	0	0	0	0
28-Jul	4,239	6,631	0	0	0
29-Jul	4,353	14,163	0	0	0
30-Jul	3,649	14,576	0	0	0
31-Jul	4,921	8,868	0	0	0

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

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
1-Aug	3,558	0	0	0	0
2-Aug	1,817	0	0	0	0
3-Aug	757	0	0	0	0
4-Aug	5,715	0	0	0	0
5-Aug	2,801	0	0	0	0
6-Aug	3,861	0	0	0	0
7-Aug	4,391	0	0	0	0
8-Aug	4,088	0	0	0	0
9-Aug	1,215	0	0	0	0
10-Aug	454	0	0	0	0
11-Aug	1,817	0	0	0	0
12-Aug	2,347	0	48,467	0	0
13-Aug	4,201	0	0	0	0
14-Aug	8,327	0	0	0	0
15-Aug	10,901	0	0	0	0
16-Aug	10,787	0	0	0	0
17-Aug	10,447	0	0	0	0
18-Aug	7,759	0	0	0	0
19-Aug	7,381	0	0	0	0
20-Aug	8,452	0	0	0	0
21-Aug	5,568	0	53,051	0	0
22-Aug	1,779	0	0	0	0
23-Aug	1,893	0	0	0	0
24-Aug	3,634	0	0	0	0
25-Aug	4,996	0	0	0	0
26-Aug	6,472	0	0	0	0
27-Aug	6,510	0	0	0	0
28-Aug	5,526	0	0	0	0
29-Aug	6,321	0	0	0	0
30-Aug	2,990	0	0	0	0
31-Aug	3,331	0	0	0	0

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

Date	Low-level Influent	Effluent MES	Effluent Outfall 051	Effluent SET	Transuranic Influent
1-Sep	3,520	0	0	0	0
2-Sep	5,110	0	0	0	0
3-Sep	3,936	0	56,419	0	0
4-Sep	4,656	0	0	0	0
5-Sep	3,520	0	0	0	0
6-Sep	3,861	0	0	0	0
7-Sep	2,422	0	0	0	0
8-Sep	3,104	0	0	0	0
9-Sep	3,066	0	0	0	0
10-Sep	5,223	0	0	0	0
11-Sep	8,516	0	58,410	0	0
12-Sep	7,532	0	0	0	0
13-Sep	8,441	0	0	0	0
14-Sep	5,072	0	0	0	0
15-Sep	4,277	0	0	0	0
16-Sep	3,066	0	0	0	0
17-Sep	3,558	0	0	0	0
18-Sep	2,347	0	0	0	0
19-Sep	6,586	0	0	0	0
20-Sep	6,927	0	0	0	0
21-Sep	7,570	0	0	0	0
22-Sep	7,192	0	58,675	0	0
23-Sep	2,914	0	0	0	0
24-Sep	3,066	0	0	0	0
25-Sep	2,006	0	0	0	0
26-Sep	1,476	0	0	0	0
27-Sep	2,233	0	0	0	0
28-Sep	681	0	0	0	0
29-Sep	1,930	0	0	0	0
30-Sep	4,322	0	48,929	0	0

Attachment 4

Treated Effluent Sampling Results

EPC-DO: 25-279

LA-UR-25-30070

Date: November 05, 2025

Attachment 4

Table 1.. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 29, 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-25-338912	RLWTF_MES	07/29/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	1.67	0.0415
RLWTF-25-338912	RLWTF_MES	07/29/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	1.67	0.523
RLWTF-25-338912	RLWTF_MES	07/29/2025	309-00-2	Aldrin	0.00665	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.00665	0.00198
RLWTF-25-338926	RLWTF_MES	07/29/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-996	REG	EPA:200.8	19.3	5,000
RLWTF-25-338912	RLWTF_MES	07/29/2025	120-12-7	Anthracene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	1,720
RLWTF-25-338926	RLWTF_MES	07/29/2025	SB	Antimony	1	ug/L	U	N	F	2025-996	REG	EPA:200.8	1	6
RLWTF-25-338912	RLWTF_MES	07/29/2025	12674-11-2	Aroclor-1016	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	1.4
RLWTF-25-338912	RLWTF_MES	07/29/2025	11104-28-2	Aroclor-1221	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	11141-16-5	Aroclor-1232	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	53469-21-9	Aroclor-1242	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	12672-29-6	Aroclor-1248	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	11097-69-1	Aroclor-1254	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	11096-82-5	Aroclor-1260	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0333	ug/L	U	N	UF	2025-996	REG	SW-846:8082A	0.0333	0.5
RLWTF-25-338926	RLWTF_MES	07/29/2025	AS	Arsenic	2	ug/L	U	N	F	2025-996	REG	EPA:200.8	2	10
RLWTF-25-338912	RLWTF_MES	07/29/2025	1912-24-9	Atrazine	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	3
RLWTF-25-338912	RLWTF_MES	07/29/2025	103-33-3	Azobenzene	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.78
RLWTF-25-338926	RLWTF_MES	07/29/2025	BA	Barium	0.67	ug/L	U	N	F	2025-996	REG	EPA:200.8	0.67	2,000
RLWTF-25-338912	RLWTF_MES	07/29/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	92-87-5	Benzidine	3.9	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3.9	0.00109
RLWTF-25-338912	RLWTF_MES	07/29/2025	50-32-8	Benzol(a)pyrene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	0.2
RLWTF-25-338912	RLWTF_MES	07/29/2025	205-99-2	Benzo(b)fluoranthene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	0.343
RLWTF-25-338912	RLWTF_MES	07/29/2025	207-08-9	Benzo(k)fluoranthene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	3.43
RLWTF-25-338926	RLWTF_MES	07/29/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-996	REG	EPA:200.8	0.2	4
RLWTF-25-338912	RLWTF_MES	07/29/2025	319-84-6	BHC[alpha-]	0.00665	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.00665	0.0693
RLWTF-25-338912	RLWTF_MES	07/29/2025	319-85-7	BHC[beta-]	0.00665	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.00665	0.243
RLWTF-25-338912	RLWTF_MES	07/29/2025	58-89-9	BHC[gamma-]	0.00665	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.00665	0.415
RLWTF-25-338912	RLWTF_MES	07/29/2025	111-44-4	Bis(2-chloroethyl)ether	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.137
RLWTF-25-338912	RLWTF_MES	07/29/2025	117-81-7	Bis(2-ethylhexyl)phthalate	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	55.6
RLWTF-25-338926	RLWTF_MES	07/29/2025	B	Boron	39.7	ug/L	J	Y	F	2025-996	REG	EPA:200.7	15	750
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-27-4	Bromodichloromethane	0.42	ug/L	J	Y	UF	2025-996	REG	SW-846:8260D	0.333	1.34
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-25-2	Bromoform	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	32.9
RLWTF-25-338912	RLWTF_MES	07/29/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.337	7.54
RLWTF-25-338926	RLWTF_MES	07/29/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-996	REG	EPA:200.8	0.3	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	57-74-9	Chlordane(alpha/gamma)	0.0765	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.0765	0.448
RLWTF-25-338926	RLWTF_MES	07/29/2025	CL(1)	Chloride	0.606	mg/L	J	Y	F	2025-996	REG	EPA:300.0	0.067	250
RLWTF-25-338912	RLWTF_MES	07/29/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	77.6
RLWTF-25-338912	RLWTF_MES	07/29/2025	67-66-3	Chloroform	6.5	ug/L	NQ	Y	UF	2025-996	REG	SW-846:8260D	0.333	100
RLWTF-25-338912	RLWTF_MES	07/29/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	20.3
RLWTF-25-338926	RLWTF_MES	07/29/2025	CR	Chromium	3	ug/L	U	N	F	2025-996	REG	EPA:200.8	3.00	50
RLWTF-25-338926	RLWTF_MES	07/29/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-996	REG	EPA:200.8	0.3	50
RLWTF-25-338926	RLWTF_MES	07/29/2025	CU	Copper	0.3	ug/L	U	N	F	2025-996	REG	EPA:200.8	0.3	1,000
RLWTF-25-338926	RLWTF_MES	07/29/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-996	REG	EPA:335.4	0.00167	200
RLWTF-25-338912	RLWTF_MES	07/29/2025	50-29-3	DDT[4,4']	0.01	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.01	2.29
RLWTF-25-338912	RLWTF_MES	07/29/2025	84-74-2	Di-n-butylphthalate	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	885
RLWTF-25-338912	RLWTF_MES	07/29/2025	106-93-4	Dibromoethane[1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	0.05
RLWTF-25-338912	RLWTF_MES	07/29/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	600
RLWTF-25-338912	RLWTF_MES	07/29/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	75
RLWTF-25-338912	RLWTF_MES	07/29/2025	91-94-1	Dichlorobenzidine[3,3']	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1.25
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.355	197
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	25
RLWTF-25-338912	RLWTF_MES	07/29/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	7
RLWTF-25-338912	RLWTF_MES	07/29/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	70

Attachment 4

Table 1. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 29, 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-25-338912	RLWTF_MES	07/29/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	100
RLWTF-25-338912	RLWTF_MES	07/29/2025	120-83-2	Dichlorophenol[2,4-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	45.3
RLWTF-25-338912	RLWTF_MES	07/29/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	542-75-6	Dichloropropene[cis/trans-1,3-]	0.5	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.5	4.71
RLWTF-25-338912	RLWTF_MES	07/29/2025	60-57-1	Dieldrin	0.01	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.01	0.0175
RLWTF-25-338912	RLWTF_MES	07/29/2025	84-66-2	Diethylphthalate	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	14.800
RLWTF-25-338912	RLWTF_MES	07/29/2025	131-11-3	Dimethyl Phthalate	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	612
RLWTF-25-338912	RLWTF_MES	07/29/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1.52
RLWTF-25-338912	RLWTF_MES	07/29/2025	51-28-5	Dinitrophenol[2,4-]	5	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	5	38.7
RLWTF-25-338912	RLWTF_MES	07/29/2025	121-14-2	Dinitrotoluene[2,4-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	2.37
RLWTF-25-338912	RLWTF_MES	07/29/2025	606-20-2	Dinitrotoluene[2,6-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.485
RLWTF-25-338912	RLWTF_MES	07/29/2025	123-91-1	Dioxane[1,4-]	3	ug/L	UJ	N	UF	2025-996	REG	SW-846:8270E	3	4.59
RLWTF-25-338912	RLWTF_MES	07/29/2025	122-39-4	Diphenylamine	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	122
RLWTF-25-338912	RLWTF_MES	07/29/2025	959-98-8	Endosulfan I	0.00665	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.00665	98.7
RLWTF-25-338912	RLWTF_MES	07/29/2025	33213-65-9	Endosulfan II	0.01	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.01	98.7
RLWTF-25-338912	RLWTF_MES	07/29/2025	72-20-8	Endrin	0.01	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.01	2.23
RLWTF-25-338912	RLWTF_MES	07/29/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	700
RLWTF-25-338912	RLWTF_MES	07/29/2025	206-44-0	Fluoranthene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	802
RLWTF-25-338912	RLWTF_MES	07/29/2025	86-73-7	Fluorene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	288
RLWTF-25-338926	RLWTF_MES	07/29/2025	F(-1)	Fluoride	0.033	mg/L	UJ	N	F	2025-996	REG	EPA-300.0	0.033	1.6
RLWTF-25-338912	RLWTF_MES	07/29/2025	76-44-8	Heptachlor	0.00665	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.00665	0.0221
RLWTF-25-338912	RLWTF_MES	07/29/2025	118-74-1	Hexachlorobenzene	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.0976
RLWTF-25-338912	RLWTF_MES	07/29/2025	87-68-3	Hexachlorobutadiene	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1.39
RLWTF-25-338912	RLWTF_MES	07/29/2025	77-47-4	Hexachlorocyclopentadiene	3	ug/L	UJ	N	UF	2025-996	REG	SW-846:8270E	3	0.411
RLWTF-25-338912	RLWTF_MES	07/29/2025	67-72-1	Hexachloroethane	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	3.28
RLWTF-25-338912	RLWTF_MES	07/29/2025	2691-41-0	HMX	0.0821	ug/L	U	N	UF	2025-996	REG	SW-846:8330B	0.0821	1,000
RLWTF-25-338950	RLWTF_MES	07/29/2025	2691-41-0	HMX	0.0955	ug/L	J	Y	UF	2025-996	FD	SW-846:8330B	0.0836	1,000
RLWTF-25-338926	RLWTF_MES	07/29/2025	FE	Iron	30	ug/L	U	N	F	2025-996	REG	EPA-200.7	30	1,000
RLWTF-25-338912	RLWTF_MES	07/29/2025	78-59-1	Isophorone	3.5	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3.5	781
RLWTF-25-338926	RLWTF_MES	07/29/2025	PB	Lead	0.5	ug/L	U	N	F	2025-996	REG	EPA-200.8	0.5	15
RLWTF-25-338926	RLWTF_MES	07/29/2025	MIN	Manganese	2	ug/L	U	N	F	2025-996	REG	EPA-200.7	2	200
RLWTF-25-338926	RLWTF_MES	07/29/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-996	REG	EPA-245.2	0.067	2
RLWTF-25-338912	RLWTF_MES	07/29/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-996	REG	EPA-245.2	0.067	2
RLWTF-25-338912	RLWTF_MES	07/29/2025	1634-04-4	Methyl Tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	100
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-09-2	Methylene Chloride	0.5	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.5	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	90-12-0	Methylnaphthalene[1-]	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	30
RLWTF-25-338912	RLWTF_MES	07/29/2025	91-57-6	Methylnaphthalene[2-]	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	30
RLWTF-25-338926	RLWTF_MES	07/29/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-996	REG	EPA-200.8	0.2	1,000
RLWTF-25-338912	RLWTF_MES	07/29/2025	91-20-3	Naphthalene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	30
RLWTF-25-338926	RLWTF_MES	07/29/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-996	REG	EPA-200.8	0.6	200
RLWTF-25-338954	RLWTF_MES	07/29/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.81	mg/L	J	Y	F	2025-996	FD	EPA-353.2	0.017	10
RLWTF-25-338926	RLWTF_MES	07/29/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.808	mg/L	J	Y	F	2025-996	FD	EPA-353.2	0.017	10
RLWTF-25-338928	RLWTF_MES	07/29/2025	NO2-N	Nitrite as Nitrogen	0.0965	mg/L	J	Y	F	2025-993	REG	EPA-300.0	0.033	1
RLWTF-25-338912	RLWTF_MES	07/29/2025	98-95-3	Nitrobenzene	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1.4
RLWTF-25-338912	RLWTF_MES	07/29/2025	924-16-3	Nitroso-di-n-butylamine[N-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.0273
RLWTF-25-338912	RLWTF_MES	07/29/2025	55-18-5	Nitrosodiethylamine[N-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.00167
RLWTF-25-338912	RLWTF_MES	07/29/2025	62-75-9	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.00491
RLWTF-25-338912	RLWTF_MES	07/29/2025	930-55-2	Nitrosopyrrolidine[N-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	0.37
RLWTF-25-338912	RLWTF_MES	07/29/2025	108-60-1	Oxybis[1-chloropropane][2,2'-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	9.81
RLWTF-25-338912	RLWTF_MES	07/29/2025	608-93-5	Pentachlorobenzene	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	3.07
RLWTF-25-338912	RLWTF_MES	07/29/2025	87-86-5	Pentachlorophenol	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1
RLWTF-25-338912	RLWTF_MES	07/29/2025	CLO4	Perchlorate	0.05	ug/L	U	N	UF	2025-996	REG	SW-846:6850	0.05	13.8
RLWTF-25-338912	RLWTF_MES	07/29/2025	355-46-4	Perfluorohexanesulfonic acid	0.622	ng/L	U	N	UF	2025-996	REG	EPA-537M	0.622	401
RLWTF-25-338912	RLWTF_MES	07/29/2025	1763-23-1	Perfluorooctanesulfonic acid	0.755	ng/L	U	N	UF	2025-996	REG	EPA-537M	0.755	60.2
RLWTF-25-338912	RLWTF_MES	07/29/2025	335-67-1	Perfluorooctanoic acid	0.755	ng/L	U	N	UF	2025-996	REG	EPA-537M	0.755	60.2

Table 1. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 29, 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-25-338912	RLWTF_MES	07/29/2025	pH	pH	7.3	SU								6-9
RLWTF-25-338912	RLWTF_MES	07/29/2025	85-01-8	Phenanthrene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	170
RLWTF-25-338912	RLWTF_MES	07/29/2025	108-95-2	Phenol	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	1610-18-0	Prometon	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	250
RLWTF-25-338912	RLWTF_MES	07/29/2025	129-00-0	Pyrene	0.3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	0.3	117
RLWTF-25-338912	RLWTF_MES	07/29/2025	RA-226+228	Radium-226 and Radium-228	1.15	pCi/L	UJ	N	UF	2025-996	REG	Generic:Radium by Calculation	-	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	121-82-4	RDX	0.0821	ug/L	U	N	UF	2025-996	REG	SW-846:8330B	0.0821	9.66
RLWTF-25-338950	RLWTF_MES	07/29/2025	121-82-4	RDX	0.0836	ug/L	U	N	UF	2025-996	FD	SW-846:8330B	0.0836	9.66
RLWTF-25-338926	RLWTF_MES	07/29/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-996	REG	EPA-200.8	1.5	50
RLWTF-25-338926	RLWTF_MES	07/29/2025	AG	Silver	0.3	ug/L	U	N	F	2025-996	REG	EPA-200.8	0.3	50
RLWTF-25-338912	RLWTF_MES	07/29/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	100
RLWTF-25-338926	RLWTF_MES	07/29/2025	SO4(-2)	Sulfate	0.133	mg/L	U	N	F	2025-996	REG	EPA-300.0	0.133	600
RLWTF-25-338912	RLWTF_MES	07/29/2025	126-33-0	Sulfolane	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	20
RLWTF-25-338912	RLWTF_MES	07/29/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1.66
RLWTF-25-338912	RLWTF_MES	07/29/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	10
RLWTF-25-338912	RLWTF_MES	07/29/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338926	RLWTF_MES	07/29/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-996	REG	EPA-200.8	0.6	2
RLWTF-25-338912	RLWTF_MES	07/29/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	1,000
RLWTF-25-338926	RLWTF_MES	07/29/2025	TDS	Total Dissolved Solids	27	mg/L	J	Y	F	2025-996	REG	EPA-160.1	2.38	1,000
RLWTF-25-338926	RLWTF_MES	07/29/2025	TKN	Total Kjeldahl Nitrogen	12.9	mg/L	J	Y	F	2025-996	REG	EPA-351.2	0.33	-
RLWTF-25-338954	RLWTF_MES	07/29/2025	TKN	Total Kjeldahl Nitrogen	8.58	mg/L	J	Y	F	2025-996	FD	EPA-351.2	0.33	-
RLWTF-25-338912	RLWTF_MES	07/29/2025	8001-35-2	Toxaphene (Technical Grade)	0.15	ug/L	U	N	UF	2025-996	REG	SW-846:8081B	0.15	0.158
RLWTF-25-338912	RLWTF_MES	07/29/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	70
RLWTF-25-338912	RLWTF_MES	07/29/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	0.2
RLWTF-25-338912	RLWTF_MES	07/29/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	5
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	1,140
RLWTF-25-338912	RLWTF_MES	07/29/2025	95-95-4	Trichlorophenol[2,4,5-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	1,170
RLWTF-25-338912	RLWTF_MES	07/29/2025	88-06-2	Trichlorophenol[2,4,6-]	3	ug/L	U	N	UF	2025-996	REG	SW-846:8270E	3	11.9
RLWTF-25-338950	RLWTF_MES	07/29/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0836	ug/L	U	N	UF	2025-996	FD	SW-846:8330B	0.0836	9.8
RLWTF-25-338912	RLWTF_MES	07/29/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0821	ug/L	U	N	UF	2025-996	REG	SW-846:8330B	0.0821	9.8
RLWTF-25-338926	RLWTF_MES	07/29/2025	U	Uranium	0.067	ug/L	U	N	F	2025-996	REG	EPA-200.8	0.067	30
RLWTF-25-338912	RLWTF_MES	07/29/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	2
RLWTF-25-338912	RLWTF_MES	07/29/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	1	620
RLWTF-25-338912	RLWTF_MES	07/29/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.333	193
RLWTF-25-338912	RLWTF_MES	07/29/2025	XYLENE[M+P]	Xylene[1,3-+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-996	REG	SW-846:8260D	0.5	386
RLWTF-25-338926	RLWTF_MES	07/29/2025	ZN	Zinc	3.3	ug/L	U	N	F	2025-996	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

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

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

Attachment 4

Table 1.. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 29, 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
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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 Assessment Guidance, Table A-1 Tap Water Limit

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

Attachment 4

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on August 12, 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
NP051-25-339089	NPDES Outfall 051	08/12/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	1.67	0.0415
NP051-25-339089	NPDES Outfall 051	08/12/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	1.67	0.523
NP051-25-339089	NPDES Outfall 051	08/12/2025	309-00-2	Aldrin	0.00665	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.00665	0.00198
NP051-25-339088	NPDES Outfall 051	08/12/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-1063	REG	EPA:200.8	19.3	5,000
NP051-25-339089	NPDES Outfall 051	08/12/2025	120-12-7	Anthracene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	1,720
NP051-25-339088	NPDES Outfall 051	08/12/2025	SB	Antimony	1	ug/L	U	N	F	2025-1063	REG	EPA:200.8	1	6
NP051-25-339089	NPDES Outfall 051	08/12/2025	12674-11-2	Aroclor-1016	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	11104-28-2	Aroclor-1221	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	11141-16-5	Aroclor-1232	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	53469-21-9	Aroclor-1242	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	12672-29-6	Aroclor-1248	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	11097-69-1	Aroclor-1254	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	11096-82-5	Aroclor-1260	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	-
NP051-25-339089	NPDES Outfall 051	08/12/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0333	ug/L	U	N	UF	2025-1063	REG	SW-846:8082A	0.0333	0.5
NP051-25-339088	NPDES Outfall 051	08/12/2025	AS	Arsenic	2	ug/L	U	N	F	2025-1063	REG	EPA:200.8	2	10
NP051-25-339089	NPDES Outfall 051	08/12/2025	1912-24-9	Atrazine	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	3
NP051-25-339089	NPDES Outfall 051	08/12/2025	103-33-3	Arobenzene	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.78
NP051-25-339088	NPDES Outfall 051	08/12/2025	BA	Barium	0.67	ug/L	U	N	F	2025-1063	REG	EPA:200.8	0.67	2,000
NP051-25-339089	NPDES Outfall 051	08/12/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	92-87-5	Benzidine	3.9	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3.9	0.00109
NP051-25-339089	NPDES Outfall 051	08/12/2025	50-32-8	Benz(a)pyrene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	0.2
NP051-25-339089	NPDES Outfall 051	08/12/2025	205-99-2	Benz(b)fluoranthene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	0.343
NP051-25-339089	NPDES Outfall 051	08/12/2025	207-08-9	Benz(k)fluoranthene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	3.43
NP051-25-339088	NPDES Outfall 051	08/12/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-1063	REG	EPA:200.8	0.2	4
NP051-25-339089	NPDES Outfall 051	08/12/2025	319-84-6	BHC[alpha-]	0.00665	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.00665	0.0693
NP051-25-339089	NPDES Outfall 051	08/12/2025	319-85-7	BHC[beta-]	0.00665	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.00665	0.243
NP051-25-339089	NPDES Outfall 051	08/12/2025	58-89-9	BHC[gamma-]	0.00665	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.00665	0.415
NP051-25-339089	NPDES Outfall 051	08/12/2025	111-44-4	Bis(2-chloroethyl)ether	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.137
NP051-25-339089	NPDES Outfall 051	08/12/2025	117-81-7	Bis(2-ethylhexyl)phthalate	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	55.6
NP051-25-339088	NPDES Outfall 051	08/12/2025	B	Boron	40.1	ug/L	J	Y	F	2025-1063	REG	EPA:200.7	15	750
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-27-4	Bromodichloromethane	0.4	ug/L	J	Y	UF	2025-1063	REG	SW-846:8260D	0.333	1.34
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-25-2	Bromochloroform	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	32.9
NP051-25-339089	NPDES Outfall 051	08/12/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.337	7.54
NP051-25-339088	NPDES Outfall 051	08/12/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-1063	REG	EPA:200.8	0.3	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	57-74-9	Chlordane[alpha/gamma]	0.0765	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.0765	0.448
NP051-25-339187	NPDES Outfall 051	08/12/2025	Cl(-1)	Chloride	48.3	mg/L	NQ	Y	F	2025-1063	FD	EPA:300.0	0.67	250
NP051-25-339088	NPDES Outfall 051	08/12/2025	Cl(-1)	Chloride	47.7	mg/L	NQ	Y	F	2025-1063	REG	EPA:300.0	0.67	250
NP051-25-339089	NPDES Outfall 051	08/12/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	77.6
NP051-25-339089	NPDES Outfall 051	08/12/2025	67-66-3	Chloroform	4.1	ug/L	NQ	Y	UF	2025-1063	REG	SW-846:8260D	0.333	100
NP051-25-339089	NPDES Outfall 051	08/12/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	20.3
NP051-25-339088	NPDES Outfall 051	08/12/2025	CR	Chromium	3	ug/L	U	N	F	2025-1063	REG	EPA:200.8	3	50
NP051-25-339088	NPDES Outfall 051	08/12/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-1063	REG	EPA:200.8	0.3	50
NP051-25-339088	NPDES Outfall 051	08/12/2025	CU	Copper	0.3	ug/L	U	N	F	2025-1063	REG	EPA:200.8	0.3	1,000
NP051-25-339088	NPDES Outfall 051	08/12/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-1063	REG	EPA:335.4	0.00167	200
NP051-25-339187	NPDES Outfall 051	08/12/2025	CN(TOTAL)	Cyanide (Total)	0.00167	mg/L	U	N	F	2025-1063	FD	EPA:335.4	0.00167	200
NP051-25-339089	NPDES Outfall 051	08/12/2025	50-29-3	DDT[4,-]	0.01	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.01	2.29
NP051-25-339089	NPDES Outfall 051	08/12/2025	84-74-2	Di-n-butylphthalate	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	885
NP051-25-339089	NPDES Outfall 051	08/12/2025	106-93-4	Dibromodiphenyl ether	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	0.05
NP051-25-339089	NPDES Outfall 051	08/12/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	600
NP051-25-339089	NPDES Outfall 051	08/12/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	75
NP051-25-339089	NPDES Outfall 051	08/12/2025	91-94-1	Dichlorobenzidine[3,3'-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	1.25
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-71-8	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.355	197
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-34-3	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	25
NP051-25-339089	NPDES Outfall 051	08/12/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5

Attachment 4

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on August 12, 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
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	7
NP051-25-339089	NPDES Outfall 051	08/12/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	70
NP051-25-339089	NPDES Outfall 051	08/12/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	100
NP051-25-339089	NPDES Outfall 051	08/12/2025	120-83-2	Dichlorophenol[2,4-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	45.3
NP051-25-339089	NPDES Outfall 051	08/12/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	542-75-6	Dichloropropene[cis/trans-1,3-]	0.5	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.5	4.71
NP051-25-339089	NPDES Outfall 051	08/12/2025	60-57-1	Dieldrin	0.01	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.01	0.0175
NP051-25-339089	NPDES Outfall 051	08/12/2025	84-66-2	Diethylphthalate	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	14,800
NP051-25-339089	NPDES Outfall 051	08/12/2025	131-11-3	Dimethyl Phthalate	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	612
NP051-25-339089	NPDES Outfall 051	08/12/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	1.52
NP051-25-339089	NPDES Outfall 051	08/12/2025	51-28-5	Dinitrophenol[2,4-]	5	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	5	38.7
NP051-25-339089	NPDES Outfall 051	08/12/2025	121-14-2	Dinitrotoluene[2,4-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	2.37
NP051-25-339089	NPDES Outfall 051	08/12/2025	606-20-2	Dinitrotoluene[2,6-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.485
NP051-25-339089	NPDES Outfall 051	08/12/2025	123-91-1	Dioxane[1,4-]	3	ug/L	UJ	N	UF	2025-1063	REG	SW-846:8270E	3	4.59
NP051-25-339089	NPDES Outfall 051	08/12/2025	122-39-4	Diphenylamine	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	122
NP051-25-339089	NPDES Outfall 051	08/12/2025	959-98-8	Endosulfan I	0.00665	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.00665	98.7
NP051-25-339089	NPDES Outfall 051	08/12/2025	33213-65-9	Endosulfan II	0.01	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.01	98.7
NP051-25-339089	NPDES Outfall 051	08/12/2025	72-20-8	Endrin	0.01	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.01	2.23
NP051-25-339089	NPDES Outfall 051	08/12/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	700
NP051-25-339089	NPDES Outfall 051	08/12/2025	206-44-0	Fluoranthene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	802
NP051-25-339089	NPDES Outfall 051	08/12/2025	86-73-7	Fluorene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	288
NP051-25-339088	NPDES Outfall 051	08/12/2025	F(-1)	Fluoride	0.033	mg/L	U	N	F	2025-1063	REG	EPA-300.0	0.033	1.6
NP051-25-339187	NPDES Outfall 051	08/12/2025	F(-1)	Fluoride	0.033	mg/L	U	N	F	2025-1063	FD	EPA-300.0	0.033	1.6
NP051-25-339089	NPDES Outfall 051	08/12/2025	76-44-8	Heptachlor	0.00665	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.00665	0.0221
NP051-25-339089	NPDES Outfall 051	08/12/2025	118-74-1	Hexachlorobenzene	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.0976
NP051-25-339089	NPDES Outfall 051	08/12/2025	87-68-3	Hexachlorobutadiene	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	1.39
NP051-25-339089	NPDES Outfall 051	08/12/2025	77-47-4	Hexachlorocyclopentadiene	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.411
NP051-25-339089	NPDES Outfall 051	08/12/2025	67-72-1	Hexachloroethane	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	3.28
NP051-25-339088	NPDES Outfall 051	08/12/2025	2691-41-0	Iron	0.0843	ug/L	U	N	UF	2025-1063	REG	SW-846:8330B	0.0843	1,000
NP051-25-339088	NPDES Outfall 051	08/12/2025	FE	Iron	30	ug/L	U	N	F	2025-1063	REG	EPA-200.7	30	1,000
NP051-25-339089	NPDES Outfall 051	08/12/2025	78-59-1	Isophorone	3.5	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3.5	781
NP051-25-339088	NPDES Outfall 051	08/12/2025	PB	Lead	0.5	ug/L	U	N	F	2025-1063	REG	EPA-200.8	0.5	15
NP051-25-339088	NPDES Outfall 051	08/12/2025	MN	Manganese	2	ug/L	U	N	F	2025-1063	REG	EPA-200.7	2	200
NP051-25-339089	NPDES Outfall 051	08/12/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-1063	REG	EPA-245.2	0.067	2
NP051-25-339088	NPDES Outfall 051	08/12/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-1063	REG	EPA-245.2	0.067	2
NP051-25-339089	NPDES Outfall 051	08/12/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	100
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-09-2	Methylene Chloride	0.5	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.5	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	90-12-0	Methylnaphthalene[1-]	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	11.4
NP051-25-339089	NPDES Outfall 051	08/12/2025	91-57-6	Methylnaphthalene[2-]	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	35.1
NP051-25-339088	NPDES Outfall 051	08/12/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-1063	REG	EPA-200.8	0.2	1,000
NP051-25-339089	NPDES Outfall 051	08/12/2025	91-20-3	Naphthalene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	30
NP051-25-339088	NPDES Outfall 051	08/12/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-1063	REG	EPA-200.8	0.6	200
NP051-25-339088	NPDES Outfall 051	08/12/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.263	mg/L	NQ	Y	F	2025-1063	REG	EPA-353.2	0.017	15
NP051-25-339135	NPDES Outfall 051	08/12/2025	NO2-N	Nitrite as Nitrogen	0.0792	mg/L	J	Y	F	2025-1056	REG	EPA-300.0	0.0330	1
NP051-25-339089	NPDES Outfall 051	08/12/2025	98-95-3	Nitrobenzene	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	1.4
NP051-25-339089	NPDES Outfall 051	08/12/2025	924-16-3	Nitroso-di-n-butylamine[N-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.0273
NP051-25-339089	NPDES Outfall 051	08/12/2025	55-18-5	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.00167
NP051-25-339089	NPDES Outfall 051	08/12/2025	62-75-9	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.00491
NP051-25-339089	NPDES Outfall 051	08/12/2025	930-55-2	Nitrosopyrrolidine[N-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	0.37
NP051-25-339089	NPDES Outfall 051	08/12/2025	108-60-1	Oxybis(1-chloropropane)[2,2-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	9.81
NP051-25-339089	NPDES Outfall 051	08/12/2025	608-93-5	Pentachlorobenzene	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	3.07
NP051-25-339089	NPDES Outfall 051	08/12/2025	87-86-5	Pentachlorophenol	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	1
NP051-25-339089	NPDES Outfall 051	08/12/2025	CLO4	Perchlorate	0.05	ug/L	U	N	UF	2025-1063	REG	SW-846:6850	0.05	13.8
NP051-25-339089	NPDES Outfall 051	08/12/2025	355-46-4	Perfluorohexanesulfonic acid	0.623	ng/L	U	N	UF	2025-1063	REG	EPA-537M	0.623	401
NP051-25-339089	NPDES Outfall 051	08/12/2025	1763-23-1	Perfluorooctanesulfonic acid	0.756	ng/L	U	N	UF	2025-1063	REG	EPA-537M	0.756	60.2
NP051-25-339089	NPDES Outfall 051	08/12/2025	335-67-1	Perfluorooctanoic acid	0.756	ng/L	U	N	UF	2025-1063	REG	EPA-537M	0.756	60.2

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on August 12, 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
			pH		7.3	SU								6-9
NP051-25-339089	NPDES Outfall 051	08/12/2025	pH											
NP051-25-339089	NPDES Outfall 051	08/12/2025	85-01-8	Phenanthrene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	170
NP051-25-339089	NPDES Outfall 051	08/12/2025	108-95-2	Phenol	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	1610-18-0	Prometon	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	250
NP051-25-339089	NPDES Outfall 051	08/12/2025	129-00-0	Pyrene	0.3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	0.3	117
NP051-25-339089	NPDES Outfall 051	08/12/2025	RA-226+228	Radium-226 and Radium-228	2.14	pCi/L	J	Y	UF	2025-1063	REG	Generic:Radium by Calculation	-	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	121-82-4	RDX	0.0843	ug/L	U	N	UF	2025-1063	REG	SW-846:8330B	0.0843	9.66
NP051-25-339088	NPDES Outfall 051	08/12/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-1063	REG	EPA-200.8	1.5	50
NP051-25-339088	NPDES Outfall 051	08/12/2025	AG	Silver	0.3	ug/L	U	N	F	2025-1063	REG	EPA-200.8	0.3	50
NP051-25-339089	NPDES Outfall 051	08/12/2025	100-42-5	Styrene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	100
NP051-25-339088	NPDES Outfall 051	08/12/2025	S04(-2)	Sulfate	0.299	mg/L	J	Y	F	2025-1063	REG	EPA-300.0	0.133	600
NP051-25-339089	NPDES Outfall 051	08/12/2025	126-33-0	Sulfolane	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	20
NP051-25-339089	NPDES Outfall 051	08/12/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	1.66
NP051-25-339089	NPDES Outfall 051	08/12/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	10
NP051-25-339088	NPDES Outfall 051	08/12/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5
NP051-25-339088	NPDES Outfall 051	08/12/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-1063	REG	EPA-200.8	0.6	2
NP051-25-339089	NPDES Outfall 051	08/12/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	1,000
NP051-25-339187	NPDES Outfall 051	08/12/2025	TDS	Total Dissolved Solids	139	mg/L	J	Y	F	2025-1063	FD	EPA-160.1	2.38	1,000
NP051-25-339088	NPDES Outfall 051	08/12/2025	TDS	Total Dissolved Solids	133	mg/L	J	Y	F	2025-1063	REG	EPA-160.1	2.38	1,000
NP051-25-339088	NPDES Outfall 051	08/12/2025	TKN	Total Kjeldahl Nitrogen	8.11	mg/L	J+	Y	F	2025-1063	REG	EPA-351.2	0.33	15
NP051-25-339089	NPDES Outfall 051	08/12/2025	8001-35-2	Toxaphene (Technical Grade)	0.15	ug/L	U	N	UF	2025-1063	REG	SW-846:8081B	0.15	0.158
NP051-25-339089	NPDES Outfall 051	08/12/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	70
NP051-25-339089	NPDES Outfall 051	08/12/2025	71-55-6	Trichlorobenzene[1,1,1-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	0.2
NP051-25-339089	NPDES Outfall 051	08/12/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	5
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	1,140
NP051-25-339089	NPDES Outfall 051	08/12/2025	95-95-4	Trichlorophenol[2,4,5-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	11.70
NP051-25-339089	NPDES Outfall 051	08/12/2025	88-06-2	Trichlorophenol[2,4,6-]	3	ug/L	U	N	UF	2025-1063	REG	SW-846:8270E	3	11.9
NP051-25-339089	NPDES Outfall 051	08/12/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0843	ug/L	U	N	UF	2025-1063	REG	SW-846:8330B	0.0843	9.8
NP051-25-339088	NPDES Outfall 051	08/12/2025	U	Uranium	0.067	ug/L	U	N	F	2025-1063	REG	EPA-200.8	0.067	30
NP051-25-339089	NPDES Outfall 051	08/12/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	2
NP051-25-339089	NPDES Outfall 051	08/12/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	1	620
NP051-25-339089	NPDES Outfall 051	08/12/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.333	193
NP051-25-339089	NPDES Outfall 051	08/12/2025	XYLENE[M+P]	Xylene[1,3-]+Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-1063	REG	SW-846:8260D	0.5	386
NP051-25-339088	NPDES Outfall 051	08/12/2025	ZN	Zinc	3.3	ug/L	U	N	F	2025-1063	REG	EPA-200.7	3.3	10,000

Notes:

¹ug/L - micrograms per liter

mg/L - milligrams per liter

ng/L - nanograms per liter

SU - standard units

pc/L - picocuries per liter

²U - The analyte is classified as not detected

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

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

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

Y - In the Detected column means the analyte was detected

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

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

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

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

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

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

Attachment 4

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on August 12, 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
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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 + NO₃-N) is 15 mg/L for discharges to Outfall 051 (Condition No. 16)
Groundwater Limit for combined naphthalene plus monomethylnaphthalenes is 30 µg/L, which represents the 20.6.2.3103 NMAC Groundwater Standard

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 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
NP051-25-339090	NPDES Outfall 051	09/03/2025	107-02-8	Acrolein	1.67	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	1.67	0.0415
NP051-25-339090	NPDES Outfall 051	09/03/2025	107-13-1	Acrylonitrile	1.67	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	1.67	0.523
NP051-25-339090	NPDES Outfall 051	09/03/2025	309-00-2	Aldrin	0.00665	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.00665	0.00198
NP051-25-339091	NPDES Outfall 051	09/03/2025	AL	Aluminum	19.3	ug/L	U	N	F	2025-1226	REG	EPA:200.8	5.000	5,000
NP051-25-339090	NPDES Outfall 051	09/03/2025	120-12-7	Anthracene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	1,720
NP051-25-339091	NPDES Outfall 051	09/03/2025	SB	Antimony	1	ug/L	U	N	F	2025-1226	REG	EPA:200.8	1	6
NP051-25-339090	NPDES Outfall 051	09/03/2025	12674-11-2	Acroclor-1016	0.0333	ug/L	U	N	F	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	11104-28-2	Acroclor-1221	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	11141-16-5	Acroclor-1232	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	53469-21-9	Acroclor-1242	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	12672-29-6	Acroclor-1248	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	11097-69-1	Acroclor-1254	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	11096-82-5	Acroclor-1260	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	-
NP051-25-339090	NPDES Outfall 051	09/03/2025	TOT AROCLOR	Total Aroclors for sum of all aroclors	0.0333	ug/L	U	N	UF	2025-1226	REG	SW-846:8082A	0.0333	0.5
NP051-25-339091	NPDES Outfall 051	09/03/2025	AS	Arsenic	2	ug/L	U	N	F	2025-1226	REG	EPA:200.8	2	10
NP051-25-339090	NPDES Outfall 051	09/03/2025	1912-24-9	Atrazine	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	3
NP051-25-339090	NPDES Outfall 051	09/03/2025	103-33-3	Azobenzene	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.78
NP051-25-339091	NPDES Outfall 051	09/03/2025	BA	Barium	0.67	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.67	2,000
NP051-25-339090	NPDES Outfall 051	09/03/2025	71-43-2	Benzene	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	92-87-5	Benzidine	34.8	ug/L	J	Y	UF	2025-1226	REG	SW-846:8270E	3.90	0.00109
NP051-25-339090	NPDES Outfall 051	09/03/2025	50-32-8	Benzol(a)pyrene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	0.2
NP051-25-339090	NPDES Outfall 051	09/03/2025	205-99-2	Benzol(b)fluoranthene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	0.343
NP051-25-339090	NPDES Outfall 051	09/03/2025	207-08-9	Benzol(k)fluoranthene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	3.43
NP051-25-339091	NPDES Outfall 051	09/03/2025	BE	Beryllium	0.2	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.2	4
NP051-25-339090	NPDES Outfall 051	09/03/2025	319-84-6	BHC[alpha-]	0.00665	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.00665	0.0693
NP051-25-339090	NPDES Outfall 051	09/03/2025	319-85-7	BHC[beta-]	0.00665	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.00665	0.243
NP051-25-339090	NPDES Outfall 051	09/03/2025	58-89-9	BHC[gamma-]	0.00665	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.00665	0.415
NP051-25-339090	NPDES Outfall 051	09/03/2025	111-44-4	Bi(2-chloroethyl)ether	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.137
NP051-25-339090	NPDES Outfall 051	09/03/2025	117-81-7	Bis(2-ethylhexyl)phthalate	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	55.6
NP051-25-339091	NPDES Outfall 051	09/03/2025	B	Boron	41.5	ug/L	J	Y	F	2025-1226	REG	EPA:200.7	15	750
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-27-4	Bromodichloromethane	0.55	ug/L	J	Y	UF	2025-1226	REG	SW-846:8260D	0.333	1.34
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-25-2	Bromoform	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	32.9
NP051-25-339090	NPDES Outfall 051	09/03/2025	74-83-9	Bromomethane	0.337	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.337	7.54
NP051-25-339091	NPDES Outfall 051	09/03/2025	CD	Cadmium	0.3	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.3	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	56-23-5	Carbon Tetrachloride	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	57-74-9	Chlordane(alpha/gamma)	0.0765	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.0765	0.448
NP051-25-339091	NPDES Outfall 051	09/03/2025	Cl(-1)	Chloride	50.3	mg/L	NQ	Y	F	2025-1226	REG	EPA:300.0	0.67	250
NP051-25-339188	NPDES Outfall 051	09/03/2025	Cl(-1)	Chloride	52	mg/L	NQ	Y	F	2025-1226	FD	EPA:300.0	0.67	250
NP051-25-339090	NPDES Outfall 051	09/03/2025	108-90-7	Chlorobenzene	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	77.6
NP051-25-339090	NPDES Outfall 051	09/03/2025	67-66-3	Chloroform	5.41	ug/L	NQ	Y	UF	2025-1226	REG	SW-846:8260D	0.333	100
NP051-25-339090	NPDES Outfall 051	09/03/2025	74-87-3	Chloromethane	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	20.3
NP051-25-339091	NPDES Outfall 051	09/03/2025	CR	Chromium	3	ug/L	U	N	F	2025-1226	REG	EPA:200.8	3	50
NP051-25-339091	NPDES Outfall 051	09/03/2025	CO	Cobalt	0.3	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.3	50
NP051-25-339091	NPDES Outfall 051	09/03/2025	CU	Copper	0.303	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.3	1,000
NP051-25-339091	NPDES Outfall 051	09/03/2025	CN(TOTAL)	Cyanide (Total)	0.00260	mg/L	U	N	F	2025-1226	REG	EPA:335.4	0.00167	200
NP051-25-339188	NPDES Outfall 051	09/03/2025	CN(TOTAL)	Cyanide (Total)	0.00264	mg/L	U	N	F	2025-1226	FD	EPA:335.4	0.00167	200
NP051-25-339090	NPDES Outfall 051	09/03/2025	50-29-3	DDT[4,4']	0.0136	ug/L	J	Y	UF	2025-1226	REG	SW-846:8081B	0.01	2.29
NP051-25-339090	NPDES Outfall 051	09/03/2025	84-74-2	Di-n-butylphthalate	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	885
NP051-25-339090	NPDES Outfall 051	09/03/2025	106-93-4	Dibromomethane[1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	0.05
NP051-25-339090	NPDES Outfall 051	09/03/2025	95-50-1	Dichlorobenzene[1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	600
NP051-25-339090	NPDES Outfall 051	09/03/2025	106-46-7	Dichlorobenzene[1,4-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	75
NP051-25-339090	NPDES Outfall 051	09/03/2025	91-94-1	Dichlorobenzidine[3,3']	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1.25
NP051-25-339090	NPDES Outfall 051	09/03/2025	91-94-1	Dichlorodifluoromethane	0.355	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.355	197
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-71-8	Dichloroethane[1,1-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	25
NP051-25-339090	NPDES Outfall 051	09/03/2025	107-06-2	Dichloroethane[1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-35-4	Dichloroethene[1,1-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	7
NP051-25-339090	NPDES Outfall 051	09/03/2025	156-59-2	Dichloroethene[cis-1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	70

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 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
NP051-25-339090	NPDES Outfall 051	09/03/2025	156-60-5	Dichloroethene[trans-1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	100
NP051-25-339090	NPDES Outfall 051	09/03/2025	120-83-2	Dichlorophenol[2,4-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	45.3
NP051-25-339090	NPDES Outfall 051	09/03/2025	78-87-5	Dichloropropane[1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	542-75-6	Dichloropropane[is/trans-1,3-]	0.5	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.5	4.71
NP051-25-339090	NPDES Outfall 051	09/03/2025	60-57-1	Dieldrin	0.0108	ug/L	J	Y	UF	2025-1226	REG	SW-846:8081B	0.01	0.0175
NP051-25-339090	NPDES Outfall 051	09/03/2025	84-66-2	Diethylphthalate	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	14.800
NP051-25-339090	NPDES Outfall 051	09/03/2025	131-11-3	Dimethyl Phthalate	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	612
NP051-25-339090	NPDES Outfall 051	09/03/2025	534-52-1	Dinitro-2-methylphenol[4,6-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1.52
NP051-25-339090	NPDES Outfall 051	09/03/2025	51-28-5	Dinitrophenol[2,4-]	5	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	5	38.7
NP051-25-339090	NPDES Outfall 051	09/03/2025	121-14-2	Dinitrotoluene[2,4-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	2.37
NP051-25-339090	NPDES Outfall 051	09/03/2025	606-20-2	Dinitrotoluene[2,6-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.485
NP051-25-339090	NPDES Outfall 051	09/03/2025	123-91-1	Dioxane[1,4-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	4.59
NP051-25-339090	NPDES Outfall 051	09/03/2025	122-39-4	Diphenylamine	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	122
NP051-25-339090	NPDES Outfall 051	09/03/2025	959-98-8	Endosulfan I	0.00665	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.00665	98.7
NP051-25-339090	NPDES Outfall 051	09/03/2025	33213-65-9	Endosulfan II	0.0109	ug/L	J	Y	UF	2025-1226	REG	SW-846:8081B	0.01	98.7
NP051-25-339090	NPDES Outfall 051	09/03/2025	72-20-8	Endrin	0.0111	ug/L	J	Y	UF	2025-1226	REG	SW-846:8081B	0.01	2.23
NP051-25-339090	NPDES Outfall 051	09/03/2025	100-41-4	Ethylbenzene	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	700
NP051-25-339090	NPDES Outfall 051	09/03/2025	206-44-0	Fluoranthene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	802
NP051-25-339090	NPDES Outfall 051	09/03/2025	86-73-7	Fluorene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	288
NP051-25-339091	NPDES Outfall 051	09/03/2025	F(-1)	Fluoride	0.033	mg/L	U	N	F	2025-1226	REG	EPA:300.0	0.033	1.6
NP051-25-339188	NPDES Outfall 051	09/03/2025	F(-1)	Fluoride	0.033	mg/L	U	N	F	2025-1226	FD	EPA:300.0	0.033	1.6
NP051-25-339091	NPDES Outfall 051	09/03/2025	76-44-8	Heptachlor	0.00665	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.00665	0.0221
NP051-25-339090	NPDES Outfall 051	09/03/2025	118-74-1	Hexachlorobenzene	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.0976
NP051-25-339090	NPDES Outfall 051	09/03/2025	87-68-3	Hexachlorobutadiene	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1.39
NP051-25-339090	NPDES Outfall 051	09/03/2025	77-47-4	Hexachlorocyclopentadiene	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.411
NP051-25-339090	NPDES Outfall 051	09/03/2025	67-72-1	Hexachloroethane	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	3.28
NP051-25-339090	NPDES Outfall 051	09/03/2025	2691-41-0	HMX	0.0843	ug/L	U	N	UF	2025-1226	REG	SW-846:8330B	0.0843	1,000
NP051-25-339091	NPDES Outfall 051	09/03/2025	FE	Iron	30	ug/L	U	N	F	2025-1226	REG	EPA:200.7	30	1,000
NP051-25-339090	NPDES Outfall 051	09/03/2025	78-59-1	Isophorone	3.5	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3.5	781
NP051-25-339091	NPDES Outfall 051	09/03/2025	PB	Lead	0.5	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.5	15
NP051-25-339091	NPDES Outfall 051	09/03/2025	MN	Manganese	2	ug/L	U	N	F	2025-1226	REG	EPA:200.7	2	200
NP051-25-339090	NPDES Outfall 051	09/03/2025	HG	Mercury	0.067	ug/L	U	N	UF	2025-1226	REG	EPA:245.2	0.067	2
NP051-25-339091	NPDES Outfall 051	09/03/2025	HG	Mercury	0.067	ug/L	U	N	F	2025-1226	REG	EPA:245.2	0.067	2
NP051-25-339090	NPDES Outfall 051	09/03/2025	1634-04-4	Methyl tert-Butyl Ether	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	100
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-09-2	Methylene Chloride	0.92	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.5	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	90-12-0	Methylnaphthalene[1-]	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.3	11.4
NP051-25-339090	NPDES Outfall 051	09/03/2025	91-57-6	Methylnaphthalene[2-]	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	35.1
NP051-25-339091	NPDES Outfall 051	09/03/2025	MO	Molybdenum	0.2	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.2	1,000
NP051-25-339090	NPDES Outfall 051	09/03/2025	91-20-3	Naphthalene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	30
NP051-25-339091	NPDES Outfall 051	09/03/2025	NI	Nickel	0.6	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.6	200
NP051-25-339091	NPDES Outfall 051	09/03/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	0.0865	mg/L	NQ	Y	F	2025-1226	REG	EPA:353.2	0.017	15
NP051-25-339136	NPDES Outfall 051	09/03/2025	NO2-N	Nitrite as Nitrogen	0.0330	mg/L	U	N	F	2025-1214	REG	EPA:300.0	0.0330	1
NP051-25-339090	NPDES Outfall 051	09/03/2025	98-95-3	Nitrobenzene	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1.4
NP051-25-339090	NPDES Outfall 051	09/03/2025	924-16-3	Nitroso-di-n-butylamine[N-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.0273
NP051-25-339090	NPDES Outfall 051	09/03/2025	55-18-5	Nitrosodiethylamine[N-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.00167
NP051-25-339090	NPDES Outfall 051	09/03/2025	62-75-9	Nitrosodimethylamine[N-]	4.8	ug/L	J	Y	UF	2025-1226	REG	SW-846:8270E	3	0.00491
NP051-25-339090	NPDES Outfall 051	09/03/2025	930-55-2	Nitrosopyrrolidine[N-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	0.37
NP051-25-339090	NPDES Outfall 051	09/03/2025	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	9.81
NP051-25-339090	NPDES Outfall 051	09/03/2025	608-93-5	Pentachlorobenzene	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	3.07
NP051-25-339090	NPDES Outfall 051	09/03/2025	87-86-5	Pentachlorophenol	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1
NP051-25-339090	NPDES Outfall 051	09/03/2025	ClO4	Perchlorate	0.05	ug/L	U	N	UF	2025-1226	REG	SW-846:6850	0.05	13.8
NP051-25-339090	NPDES Outfall 051	09/03/2025	355-46-4	Perfluorohexanesulfonic acid	0.59	ng/L	U	N	UF	2025-1226	REG	EPA:537M	0.59	401
NP051-25-339090	NPDES Outfall 051	09/03/2025	1763-23-1	Perfluorooctanesulfonic acid	0.715	ng/L	U	N	UF	2025-1226	REG	EPA:537M	0.715	60.2
NP051-25-339090	NPDES Outfall 051	09/03/2025	335-67-1	Perfluorooctanoic acid	0.715	ng/L	U	N	UF	2025-1226	REG	EPA:537M	0.715	60.2
NP051-25-339090	NPDES Outfall 051	09/03/2025	pH	pH	7.1	SU								6-9
NP051-25-339090	NPDES Outfall 051	09/03/2025	85-01-8	Phenanthrene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	170
NP051-25-339090	NPDES Outfall 051	09/03/2025	108-95-2	Phenol	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	5

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 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
NP051-25-339090	NPDES Outfall 051	09/03/2025	1610-18-0	Prometon	22.4	ug/L	NQ	Y	UF	2025-1226	REG	SW-846:8270E	3	250
NP051-25-339090	NPDES Outfall 051	09/03/2025	129-00-0	Pyrene	0.3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	0.3	117
NP051-25-339090	NPDES Outfall 051	09/03/2025	RA-226+228	Radium-226 and Radium-228	0.0307	pCi/L	U	N	UF	2025-1226	REG	Generic:Radium by Calculation	-	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	121-82-4	RDX	0.0843	ug/L	U	N	UF	2025-1226	REG	SW-846:8330B	0.0843	9.66
NP051-25-339091	NPDES Outfall 051	09/03/2025	SE	Selenium	1.5	ug/L	U	N	F	2025-1226	REG	EPA:200.8	1.5	50
NP051-25-339091	NPDES Outfall 051	09/03/2025	AG	Silver	0.33	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.3	50
NP051-25-339090	NPDES Outfall 051	09/03/2025	100-42-5	Styrene	0.333	ug/L	U	N	F	2025-1226	REG	SW-846:8260D	0.333	100
NP051-25-339091	NPDES Outfall 051	09/03/2025	SO4(-2)	Sulfate	0.597	mg/L	NQ	Y	F	2025-1226	REG	EPA:300.0	0.133	600
NP051-25-339090	NPDES Outfall 051	09/03/2025	126-33-0	Sulfolane	4.65	ug/L	J	Y	UF	2025-1226	REG	SW-846:8270E	3	20
NP051-25-339090	NPDES Outfall 051	09/03/2025	95-94-3	Tetrachlorobenzene[1,2,4,5]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1.66
NP051-25-339090	NPDES Outfall 051	09/03/2025	79-34-5	Tetrachloroethane[1,1,2,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	10
NP051-25-339090	NPDES Outfall 051	09/03/2025	127-18-4	Tetrachloroethene	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339091	NPDES Outfall 051	09/03/2025	TL	Thallium	0.6	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.6	2
NP051-25-339090	NPDES Outfall 051	09/03/2025	108-88-3	Toluene	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	1,000
NP051-25-339091	NPDES Outfall 051	09/03/2025	TDS	Total Dissolved Solids	173	mg/L	NQ	Y	F	2025-1226	REG	EPA:160.1	2.38	1,000
NP051-25-339188	NPDES Outfall 051	09/03/2025	TDS	Total Dissolved Solids	167	mg/L	NQ	Y	F	2025-1226	FD	EPA:160.1	2.38	1,000
NP051-25-339091	NPDES Outfall 051	09/03/2025	TKN	Total Kjeldahl Nitrogen	4.32	mg/L	J+	Y	F	2025-1226	REG	EPA:351.2	0.33	15
NP051-25-339090	NPDES Outfall 051	09/03/2025	8001-35-2	Toxaphene (Technical Grade)	0.15	ug/L	U	N	UF	2025-1226	REG	SW-846:8081B	0.15	0.158
NP051-25-339090	NPDES Outfall 051	09/03/2025	120-82-1	Trichlorobenzene[1,2,4-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	70
NP051-25-339090	NPDES Outfall 051	09/03/2025	71-55-6	Trichloroethane[1,1,1-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	0.2
NP051-25-339090	NPDES Outfall 051	09/03/2025	79-00-5	Trichloroethane[1,1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	79-01-6	Trichloroethene	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	5
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-69-4	Trichlorofluoromethane	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	1,140
NP051-25-339090	NPDES Outfall 051	09/03/2025	95-95-4	Trichlorophenol[2,4,5-]	3	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	1,170
NP051-25-339090	NPDES Outfall 051	09/03/2025	88-06-2	Trichlorophenol[2,4,6-]	0.0843	ug/L	U	N	UF	2025-1226	REG	SW-846:8270E	3	11.9
NP051-25-339090	NPDES Outfall 051	09/03/2025	118-96-7	Trinitrotoluene[2,4,6-]	0.0843	ug/L	U	N	UF	2025-1226	REG	SW-846:8330B	0.0843	9.8
NP051-25-339091	NPDES Outfall 051	09/03/2025	U	Uranium	0.067	ug/L	U	N	F	2025-1226	REG	EPA:200.8	0.067	30
NP051-25-339090	NPDES Outfall 051	09/03/2025	75-01-4	Vinyl Chloride	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	2
NP051-25-339090	NPDES Outfall 051	09/03/2025	1330-20-7	Xylene (Total)	1	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	1	620
NP051-25-339090	NPDES Outfall 051	09/03/2025	95-47-6	Xylene[1,2-]	0.333	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.333	193
NP051-25-339090	NPDES Outfall 051	09/03/2025	XYLENE[M+P]	Xylene[1,3-;1-Xylene[1,4-]	0.5	ug/L	U	N	UF	2025-1226	REG	SW-846:8260D	0.5	386
NP051-25-339091	NPDES Outfall 051	09/03/2025	ZN	Zinc	3.3	ug/L	U	N	F	2025-1226	REG	EPA:200.7	3.3	10,000

Notes:

¹ug/L - micrograms per liter

mg/L - milligrams per liter

ng/L - nanograms per liter

SU - standard units

pCi/L - picocuries per liter

²U - The analyte is classified as not detected

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

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

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

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

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

Y - In the Detected column means the analyte was detected

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

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

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

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

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

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

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

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

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

The DP-1132 standard for Total Nitrogen (TKN + NO₃-N) is 15 mg/L for discharges to Outfall 051 (Condition No. 16)

Attachment 4

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 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
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Groundwater Limit for combined naphthalene plus monomethylnaphthalenes is 30 µg/L, which represents the 20.6.2.3103 NMAC Groundwater Standard

Table 4. Analytical Results from Confirmation Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 for Benzidine and Nitrosodimethylamine [N-] on September 23, 2025. Permit Condition No. 18.

Field Sample ID	Location ID	Sample Date	Parameter Code	Parameter Name	Report Result	Report Units	Validation Qualifier	Detected	Field Preparation Code	COC #	Sample Purpose	Lab Method	Report Method Detection Limit	Groundwater Limit
NP051-25-376856	NPDES Outfall 051	09/23/2025	92-87-5	Benzidine	3.9	ug/L	U	N	UF	2025-1297	REG	SW-846:8270E	3.9	0.00109
NP051-25-376857	NPDES Outfall 051	09/23/2025	92-87-5	Benzidine	3.88	ug/L	U	N	UF	2025-1297	FB	SW-846:8270E	3.88	0.00109
NP051-25-376856	NPDES Outfall 051	09/23/2025	62-75-9	Nitrosodimethylamine[N-]	3	ug/L	U	N	UF	2025-1297	REG	SW-846:8270E	3	0.00491
NP051-25-376857	NPDES Outfall 051	09/23/2025	62-75-9	Nitrosodimethylamine[N-]	2.98	ug/L	U	N	UF	2025-1297	FB	SW-846:8270E	2.98	0.00491

Notes:

¹ug/L - micrograms per liter

²U - The analyte is classified as not detected

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

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

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

FB - In the Sample Purpose column means the sample was a field blank

⁷ Groundwater Limit represents the NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Attachment 5

Groundwater Monitoring Report - Third Quarter 2025

EPC-DO: 25-279

LA-UR-25-30070

Date: November 05, 2025

Quarterly Groundwater Monitoring Report – Third Quarter 2025

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MCA-RLW-1, Third Quarter 2025

a	Sample Date	7/2/2025
b	Sample Time	1018
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 July 2, 2025, due to insufficient water in the well.
The well only contained 0.15 ft of standing water.

MCA-RLW-2, Third Quarter 2025

a	Sample Date	7/2/2025
b	Sample Time	0943
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 July 2, 2025, due to insufficient water in the well.
The well only contained 0.28 ft of standing water.

MCOI-6, Third Quarter 2025

a	Sample Date	7/7/2025
b	Sample Time	1043
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))	6,136.53
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)	29.45
i	Total volume of water purged prior to sample collection (gal)	124.45
j	Physical parameters including temperature, conductivity, pH, oxidation/reduction potential	DO (mg/L): 6.77 Oxidation/Reduction Potential (MV): 140.5 Temp (deg C): 17.3 pH (SU): 7.37 Turbidity (NTU): 0.82 Specific Conductance (µS/cm): 535
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

Chain of Custody/Analysis Request

COC/Lab Request #:

N3B-2025-2616

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N3B SMO

Los Alamos NIM

MCOI-6

Client Contact:

Lab Agreement #:

Site Name: N3B LANL

Project Number:

Analysis Turnaround Time:

24 Hour - ☐ Other - ☒7 Days - ☐ Value - > Standard14 Days - ☐21 Days - ☐28 Days - ☐

Total # of bottles: 6

Event ID: 17061

Field Sample ID

Sample Date

Sample Time

Sample Matrix

CAMO-25-367488

07/07/2025

10:43

W

CAMO-25-367489

07/07/2025

10:43

W

Rad Screening Info:

Lab Reporting Limit Type:

Method Detection Limit

Special Instructions:

Relinquished by: *Stacy*

Print Name: Ronni Hayes

Date/Time: 07/07/2025

Received by: *kat*

Print Name: Kat Popovich

Date/Time: 07/07/2025

Relinquished by:

Print Name:

Date/Time:

Received by:

Print Name:

Date/Time:

Relinquished by:

Print Name:

Date/Time:

Received by:

Print Name:

Date/Time:

EPC-DO: 25-279

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LA-UR-25-30070

Table 1. Analytical Results from Quarterly Ground Water Sampling of Perched/Intermediate Monitoring Well MCOI-6 on July 7, 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-25-367489	MCOI-6	07/07/2025	CL(-1)	Chloride	42.8	mg/L	NQ	Y	F	N3B-2025-2621	REG	SW-846:9056A	0.67	250
CAMO-25-367489	MCOI-6	07/07/2025	F(-1)	Fluoride	0.52	mg/L	NQ	Y	F	N3B-2025-2621	REG	SW-846:9056A	0.033	1.6
CAMO-25-367489	MCOI-6	07/07/2025	NO3+NO2-N	Nitrate-Nitrite as Nitrogen	16.2	mg/L	NQ	Y	F	N3B-2025-2621	REG	EPA:353.2	0.425	10
CAMO-25-367489	MCOI-6	07/07/2025	CLO4	Perchlorate	131	ug/L	NQ	Y	F	N3B-2025-2621	REG	SW-846:6850	2.5	13.8
CAMO-25-367489	MCOI-6	07/07/2025	TDS	Total Dissolved Solids	377	mg/L	NQ	Y	F	N3B-2025-2621	REG	EPA:160.1	2.38	1,000
CAMO-25-367488	MCOI-6	07/07/2025	TKN	Total Kjeldahl Nitrogen	0.033	mg/L	U	N	UF	N3B-2025-2621	REG	EPA:351.2	0.033	-

Notes:

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

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

U - The analyte is classified as not detected.

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

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

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

UF - In the sample purpose column means the sample was a regular sample.

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

⁶Groundwater Limit represents standards for groundwater as identified in NMAC 20.6.2.3103 where available, otherwise the value represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit.

Total Kjeldahl Nitrogen does not contain either a 20.6.2.3103 NMAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit.

Attachment 6

Monitoring Well Location Map

EPC-DO: 25-279

LA-UR-25-30070

Date: November 05, 2025

