

ESHID-603856



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**Symbol:** EPC-DO: 24-288

**Date:** October 29, 2024

**LA-UR:** 24-30963

**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 2024**

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, 2024. 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](mailto:robert.gallegos@nnsa.doe.gov) or contact Brian M. Iacona at (505) 500-6038 or [biacona@lanl.gov](mailto:biacona@lanl.gov) if you have questions regarding this monitoring report.

Sincerely,

**SARAH  
HOLCOMB  
(Affiliate)**

Digitally signed by SARAH  
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-06'00'

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

Sincerely,

**ROBERT  
GALLEGOS**

Digitally signed by  
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Date: 2024.10.24  
11:41:02 -06'00'

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

Attachment: Attachment 1 RLWTF Monitoring Report – Third Quarter 2024  
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 2024  
Attachment 6 Monitoring Well Location Map

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**Attachment 1**  
RLWTF Monitoring Report –  
Third Quarter 2024

EPC-DO: 24-288

LA-UR-24-30963

Date: October 29, 2024

**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, 2024, for the monitoring period of July 1, 2024, through September 30, 2024 (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 Evaporative Tank System
  - Condition No. 36: Groundwater Monitoring
  - Condition No. 41: Stabilization of Specific Units and Systems that have Ceased

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**Condition No. 13: Maintenance and Repair**

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

- **Attachment 2** provides a summary of the maintenance and repair activities conducted at the Radioactive Liquid Waste Treatment Facility (RLWTF) during the third quarter 2024 monitoring period.

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**Condition No. 14: Damage to Structural Integrity**

- 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). A Corrective Action Plan Implementation Extension Request (EPC-DO: 23-274) was submitted to NMED on August 30, 2023. NMED approved this request on October 3, 2023.
- An epoxy resin patch and an additional welded patch were applied to the thinning area of the tank in January and February 2023.
- During this reporting period, the contract to construct the replacement treated effluent tanks was awarded. The replacement tanks are currently being fabricating by the manufacturer.

**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 2024 monitoring period.
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**Condition No. 26: Influent Volumes: Transuranic Wastewater**

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

- **Attachment 3** provides the total daily and monthly volumes of transuranic (TRU) influent wastewater received by the RLWTF during the third quarter 2024 monitoring period.
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**Condition No. 27: Discharge Volumes**

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

- **Attachment 3** provides the daily volume of treated effluent discharged to the Mechanical Evaporator System (MES) and to National Pollutant Discharge Elimination System (NPDES) Outfall 051 during the third quarter 2024 monitoring period.
  - No treated effluent was discharged to the Solar Evaporative Tank System (SET) during the third quarter 2024 monitoring period.
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**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 during the months of July and August. Quarterly sampling for all water contaminants listed in 20.6.2.3103 NMAC, all toxic pollutants as defined in 20.6.2.7.T(2) NMAC, and total kjeldahl nitrogen (TKN) was completed on July 23<sup>rd</sup>, 2024. These analytical results are provided in **Attachment 4, Table 1.**

Monthly sampling for TKN, nitrate (NO<sub>3</sub>-N), total dissolved solids (TDS), chloride (Cl), fluoride (F), and perchlorate (ClO<sub>4</sub>) was completed on August 1<sup>st</sup>, 2024. Analytical results from this discharge are provided in **Attachment 4, Table 2.**

All sample results from the MES this quarter were either not detected or less than 20.6.2.3103 NMAC standards and tap water screening levels for 20.6.2.7.T(2) NMAC analytes.

- **NPDES Outfall 051 Sampling.** Treated effluent from the RLWTF was discharged to NPDES Outfall 051 this quarter during the month of 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 total kjeldahl nitrogen (TKN) was completed on September 4<sup>th</sup>, 2024. These analytical results are provided in **Attachment 4, Table 3**.
- **SET Sampling.** No treated effluent was discharged to the SET during the reporting period. Therefore, no effluent sampling from the SET was completed during the third quarter 2024 monitoring period.

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**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 2024 monitoring period.
- In accordance with Permit Condition No. 30, the SET-Soil Moisture Monitoring System Completion Report (EPC-DO: 22-132) was submitted to NMED on June 29, 2022. NMED approved the report on May 18, 2023.
- Baseline monitoring of all SET moisture monitoring boreholes continued in the third quarter with quarterly monitoring completed within the months of July, August, and September, 2024.

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**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, NO<sub>3</sub>-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 18, 2024.

Sample results from MCOI-6 for TKN, NO<sub>3</sub>+NO<sub>2</sub>-N, TDS, Cl, F, and ClO<sub>4</sub> are provided in **Attachment 5, Table 1**. These samples were submitted to GEL Laboratories, LLC for analysis. All results from the July 18, 2024, sampling event at MCOI-6 were below 20.6.2.3103 NMAC standards and 20.6.2.7.T NMAC screening levels, with the exception of the following:

- NO<sub>3</sub>+NO<sub>2</sub>-N was detected at a concentration of 15.1 mg/L. The 20.6.2.3103 NMAC standard for NO<sub>3</sub>-N is 10 mg/L. The average NO<sub>3</sub>+NO<sub>2</sub>-N concentration at MCOI-6 during the 5-yr period from 2019 through 2023 was 13.6 mg/L with multiple exceedances of the 10 mg/L standard. Detections of NO<sub>3</sub>+NO<sub>2</sub>-N at MCOI-6 at concentrations greater than the ground water standard were previously identified and reported to NMED.

Monitoring well MCOI-6 will continue to be routinely sampled for NO<sub>3</sub>+NO<sub>2</sub>-N in accordance with DP-1132 and pursuant to the Compliance Order on Consent (Consent Order).

- ClO<sub>4</sub> was detected at a concentration of 139 µg/L. The 20.6.2.7.T NMAC guidance for ClO<sub>4</sub> is 13.8 µg/L. The average ClO<sub>4</sub> concentration at MCOI-6 during the 5-yr period from 2017 through 2022 was 97 µg/L. Detections of ClO<sub>4</sub> at MCOI-6 at concentrations greater than the 20.6.2.7.T NMAC guidance screening levels were previously identified and reported to NMED. Monitoring well MCOI-6 will continue to be routinely sampled for ClO<sub>4</sub> 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 1<sup>st</sup>, 2024.

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**.

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**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 6<sup>th</sup>, 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.
- During this reporting period, the containment structure around the WM2-North/South Tanks was installed and certified for use enabling work within the tanks to be completed.
- An extension request to complete stabilization activities at the WM2-North/South Tanks was submitted to NMED on August 29, 2024 (EPC-DO: 24-215). NMED approved this request on September 25, 2024.
- The established completion date for stabilization of the WM2-North/South Tanks is September 2025.

## **Attachment 2**

# Quarterly Summary of Maintenance and Repair Activities Conducted at the RLWTF

EPC-DO: 24-288

LA-UR-24-30963

Date: October 29, 2024

DP-1132 Report: Third Quarter 2024 RLWTF Maintenance

| Structures    | Description                     | Built | Task Type |    |    |    |    |    | Total |
|---------------|---------------------------------|-------|-----------|----|----|----|----|----|-------|
|               |                                 |       | PM        | CO | MD | SR | UP |    |       |
| Building 1    | Original treatment bldg.        | 1963  | 42        | 2  | 1  | 0  | 0  | 45 |       |
| Building 2    | Original influent storage bldg. | 1963  | 4         | 0  | 0  | 0  | 0  | 4  |       |
| Building 66   | TRU influent storage            | 1982  | 2         | 0  | 0  | 0  | 0  | 2  |       |
| Building 90   | 100K Influent Storage tank      | 1982  |           |    |    |    |    | 0  |       |
| Building 248  | Low-level bottoms storage       | 1996  | 3         | 0  | 0  | 0  | 0  | 3  |       |
| Building 250  | Low-level influent storage      | 2009  | 18        | 0  | 0  | 0  | 0  | 18 |       |
| Building 257  | Mechanical Evaporator System    | 2010  | 1         | 0  | 0  | 0  | 0  | 1  |       |
| TA52          | Solar Evaporation Tank          | 2011  | 11        | 0  | 0  | 0  | 0  | 11 |       |
| <b>Totals</b> |                                 |       | 81        | 2  | 1  | 0  | 0  | 84 |       |

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

DP-1132 Report: Third Quarter 2024 RLWTF Maintenance

TA-50-0001 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title  |
|--------|------------|----|---------|---|
| 500001 | 00758184   | 01 | CO      | 500001 REPLACE CA-001 IN ROOM 14 WITH LIKE FOR LIKE.        |
| 500001 | 00765085   | 01 | CO      | 500001 TROUBLESHOOT/REPAIR OF HV-6                          |
| 500001 | 00760473   | 01 | MD      | 500001 REPLACE TK-8 PUMP SOLENOID                           |
| 500001 | 00784065   | 01 | PM      | 500001 EH-001 ELEVTR 6MO PM ELEC/MECH MAINT, THYSSEN KRUPP  |
| 500001 | 00783482   | 01 | PM      | 50-0001 (M) AED   |
| 500001 | 00785822   | 01 | PM      | 50-0001 EMERGENCY LIGHTS (M) PM                             |
| 500001 | 00785797   | 01 | PM      | 50-0001 TRITIUM EXIT LIGHTS (M) PM                          |
| 500001 | 00789143   | 01 | PM      | 500001 EW 1YR PM, EYEWASH STATIONS                          |
| 500001 | 00786253   | 01 | PM      | 500001 MICROFILTER 3 MONTH PUMP MAINTENANCE                 |
| 500001 | 00785849   | 01 | PM      | 50-1 FEXT (1M) PM   |
| 500001 | 00786531   | 01 | PM      | 50-1 RM24 ANNUAL SRO/HWE CONTROL CABINET CLEANING           |
| 500001 | 00785633   | 01 | PM      | 500001 RM 24 (6M) SRO, AIT(2EA) ANALYZER VERIFICATION PM    |
| 500001 | 00788268   | 01 | PM      | 50-1 T-21 PH TRANSMITTERS (6 MO) CALIBRATION                |
| 500001 | 00786046   | 01 | PM      | 50-0001 (M) AED   |
| 500001 | 00788272   | 01 | PM      | 500001 LUBE 6MO PM, HEATING & VENTILATION (MECHANICAL) 5 EA |
| 500001 | 00785844   | 01 | PM      | 50-0001 BHW 1MO PM (2 EA)                                   |
| 500001 | 00785801   | 01 | PM      | 500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING        |
| 500001 | 00786535   | 01 | PM      | 50-1 RM 34B (1YR) FIT CALIBRATION 3 EA                      |
| 500001 | 00788717   | 01 | PM      | 50-0001 TRITIUM EXIT LIGHTS (M) PM                          |
| 500001 | 00788664   | 01 | PM      | 500001 CA-4 (3 MONTH) AIR COMPRESSOR PM                     |
| 500001 | 00789626   | 01 | PM      | 500001 RM24 ANNUAL TK-25 LEVEL TRANSMITTER CALIBRATION      |
| 500001 | 00788666   | 01 | PM      | 500001 ASE-004 3MO PM, EXHAUST STACK PUMP                   |
| 500001 | 00788743   | 01 | PM      | 50-1 FEXT (1M) PM   |
| 500001 | 00790201   | 01 | PM      | 50-1-60 CM-010/HE-008: 1-YR PM (INSPECTION)                 |
| 500001 | 00789631   | 01 | PM      | 500001 CM-11 (1YR) PM, ANSI INSPECTION                      |
| 500001 | 00788683   | 01 | PM      | 50-0001 EMERGENCY LIGHTS (M) PM                             |
| 500001 | 00790200   | 01 | PM      | 500001 CM-010/HE-008 (1YR) PM, MECH/ELECT MAINT             |
| 500001 | 00789630   | 01 | PM      | 500001 CM-11 (1YR) PM, MECHANICAL                           |
| 500001 | 00766742   | 01 | PM      | TA-50 FCP 6MO PM, FIRE ALARM SYSTEMS INSPECTION & TESTING   |
| 500001 | 00790199   | 01 | PM      | 50-1-116B CM-003/HE-005: 1-YR PM (INSPECTION)               |
| 500001 | 00790198   | 01 | PM      | 50-1-116B CM-003/HE-005: 1-YR PM MECH/ELECT                 |
| 500001 | 00789040   | 01 | PM      | 50-0001 (M) AED   |
| 500001 | 00788694   | 01 | PM      | 500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING        |
| 500001 | 00788689   | 01 | PM      | 50-0001 BHW 1MO PM (2 EA)                                   |
| 500001 | 00791588   | 01 | PM      | 50-1 FEXT (1M) PM   |

DP-1132 Report: Third Quarter 2024 RLWTF Maintenance

TA-50-0001 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title  |
|--------|------------|----|---------|---|
| 500001 | 00769110   | 01 | PM      | 50-1 HUE (A) PM   |
| 500001 | 00791618   | 01 | PM      | 50-0001 EMERGENCY LIGHTS (M) PM                           |
| 500001 | 00791616   | 01 | PM      | 50-0001 TRITIUM EXIT LIGHTS (M) PM                        |
| 500001 | 00792458   | 01 | PM      | 500001 BHW 1YR PM, INSPECTION & MAINTENANC                |
| 500001 | 00792437   | 01 | PM      | 50-1 DRUM TUMBLER (3M) PM                                 |
| 500001 | 00794690   | 01 | PM      | 500001-60/60A LT 1YR PM LVL INSTRUMENT VERIFICATION (27 ) |
| 500001 | 00794110   | 01 | PM      | 500001 PV-008 6MO PM, (MECHANICAL)                        |
| 500001 | 00791556   | 01 | PM      | 500001 3MO ELEVATOR ELECT/MECH MAINT, THYSSEN-KRUPP       |
| 500001 | 00791711   | 01 | PM      | 50-0001 (M) AED   |
| 500001 | 00791567   | 01 | PM      | 500001 PERFORM WEEKLY EYEWASH/ SAFETY SHOWER TESTING      |

DP-1132 Report: Third Quarter 2024 RLWTF Maintenance

TA-50-0250 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title   |
|--------|------------|----|---------|--|
| 500250 | 00785825   | 01 | PM      | 500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS     |
| 500250 | 00786533   | 01 | PM      | 50-250 (1YR) FIT VERIFY ACCURACY 1 EA                        |
| 500250 | 00786250   | 01 | PM      | 500250 SHS 3MO PM, SAFETY SHOWER                             |
| 500250 | 00785833   | 01 | PM      | 500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT         |
| 500250 | 00785824   | 01 | PM      | 500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT             |
| 500250 | 00785794   | 01 | PM      | 500250 FEXT (M), FIRE EXTINGUISHERS PM                       |
| 500250 | 00786536   | 01 | PM      | 500250 (A) VERIFY & ENSURE ACCURACY TANK LEVEL INDIC PM 6 EA |
| 500250 | 00792121   | 01 | PM      | 50-250 LTNT (A) PM, NON-TRITIUM EMERGENCY EXIT LIGHT         |
| 500250 | 00788723   | 01 | PM      | 500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS     |
| 500250 | 00788722   | 01 | PM      | 500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT             |
| 500250 | 00789628   | 01 | PM      | 50-250 CM-1-HE-1 (1YR) MECH-ELECT MAINTENANCE PM             |
| 500250 | 00788741   | 01 | PM      | 500250 FEXT (M), FIRE EXTINGUISHERS PM                       |
| 500250 | 00789629   | 01 | PM      | 50-250 CM-1/HE-1 1YR ANSI INSPECTION PM                      |
| 500250 | 00791609   | 01 | PM      | 500250 FEXT (M), FIRE EXTINGUISHERS PM                       |
| 500250 | 00791625   | 01 | PM      | 500250 LTNT (M) PM, NON-TRITIUM EMERGENCY EXIT LIGHT         |
| 500250 | 00791620   | 01 | PM      | 500250 LTE (M) PM, EMERGENCY WALL MOUNTED LIGHTING UNITS     |
| 500250 | 00791619   | 01 | PM      | 500250 LTET (M) PM, TRITIUM EMERGENCY EXIT LIGHT             |
| 500250 | 00792103   | 01 | PM      | 50-250 SPW (5YR) PM  |

**DP-1132 Report: Third Quarter 2024 RLWTF Maintenance**

| <b>TA-52-0181 Work Completion Report (07-01-2024 to 09-30-2024)</b> |            |    |         |  |
|---|------------|----|---------|--|
| Unit  | Work Order | WO | WO Type | Task Title                               |
|   |            |    |         | *** NO DATA TO REPORT FOR LISTED PERIOD. |

| <b>TA-52-0182 Work Completion Report (07-01-2024 to 09-30-2024)</b> |            |    |         |   |
|---|------------|----|---------|---|
| Unit  | Work Order | WO | WO Type | Task Title                                      |
| 520182  | 00788457   | 01 | PM      | 520182 (A) EMERGENCY LIGHTS PM                  |
| 520182  | 00785883   | 01 | PM      | 520182 (A) NON TRITIUM LIGHTS PM                |
| 520182  | 00785882   | 01 | PM      | 520182 (A) FEXT PM                              |
| 520182  | 00788669   | 01 | PM      | 520182 (3M) FENCE LINE VERIFICATION             |
| 520182  | 00788661   | 01 | PM      | 520182 (3M) SIGNAGE VERIFICATION FOR FENCE LINE |
| 520182  | 00788728   | 01 | PM      | 520182 (M) NON TRITIUM LIGHTS PM                |
| 520182  | 00788693   | 01 | PM      | 520182 (M) EMERGENCY LIGHTS PM                  |
| 520182  | 00788727   | 01 | PM      | 520182 (M) FEXT PM                              |
| 520182  | 00791562   | 01 | PM      | 520182 (M) FEXT PM                              |
| 520182  | 00791566   | 01 | PM      | 520182 (M) EMERGENCY LIGHTS PM                  |
| 520182  | 00791563   | 01 | PM      | 520182 (M) NON TRITIUM LIGHTS PM                |

| <b>TA-52-0183 Work Completion Report (07-01-2024 to 09-30-2024)</b> |            |    |         |  |
|---|------------|----|---------|--|
| Unit  | Work Order | WO | WO Type | Task Title                               |
|   |            |    |         | *** NO DATA TO REPORT FOR LISTED PERIOD. |

DP-1132 Report: Third Quarter 2024 RLWTF Maintenance

TA-50-0002 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title                                  |
|--------|------------|----|---------|---|
| 500002 | 00785025   | 01 | PM      | 500002 (A) WATER TIGHTNESS MORTANDAD CANYON |
| 500002 | 00788654   | 01 | PM      | 50-2 CA (6M) MECHANICAL PM                  |
| 500002 | 00791105   | 01 | PM      | 50-2 TCA (6M) AUTO DUMP PM                  |
| 500002 | 00794692   | 01 | PM      | 500002 HUE 1YR PM                           |

TA-50-0090 Work Completion Report (07-01-2024 to 09-30-2024)

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

TA-50-0066 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title   |
|--------|------------|----|---------|--|
| 500066 | 00783767   | 01 | PM      | 500066 (A) VERIFY & ENSURE ACCURACY TANK LEVEL INDICATOR 4EA |
| 500066 | 00747791   | 01 | PM      | 500066 ULTRASONIC TANK: 3-YR INSPECTION (VISUAL/EXTERNAL)    |

TA-50-0201 Work Completion Report (07-01-2024 to 09-30-2024)

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

TA-50-0248 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title                           |
|--------|------------|----|---------|--------------------------------------|
| 500248 | 00788271   | 01 | PM      | 50-248 MIXERS: 6-MO PM (LUBRICATION) |
| 500248 | 00788658   | 01 | PM      | 500248 PUMPS 3MO PM                  |
| 500248 | 00794693   | 01 | PM      | 50-248 HUE (A) PM                    |

TA-50-0257 Work Completion Report (07-01-2024 to 09-30-2024)

| Unit   | Work Order | WO | WO Type | Task Title                 |
|--------|------------|----|---------|----------------------------|
| 500257 | 00792420   | 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: 24-288

LA-UR-24-30963

Date: October 29, 2024

**DP-1132 Report: Third Quarter 2024**  
**RLWTF Daily Influent and Effluent**

| Date              | Low-level Influent | Effluent MES | Effluent Outfall 051 | Effluent SET | Transuranic Influent |
|-------------------|--------------------|--------------|----------------------|--------------|----------------------|
| Totals, 2024-Q3   | 412,009            | 222,717      | 126,287              | 0            | 438                  |
| Sub-total, July   | 148,160            | 110,443      | 0                    | 0            | 204                  |
| Sub-total, August | 164,644            | 112,274      | 0                    | 0            | 234                  |
| Sub-total, Sept.  | 99,205             | 0            | 126,287              | 0            | 0                    |

All flows are in Liters.

|        |        |        |   |   |     |
|--------|--------|--------|---|---|-----|
| 1-Jul  | 4,391  | 0      | 0 | 0 | 0   |
| 2-Jul  | 18,206 | 0      | 0 | 0 | 204 |
| 3-Jul  | 6,359  | 19,731 | 0 | 0 | 0   |
| 4-Jul  | 1,060  | 27,532 | 0 | 0 | 0   |
| 5-Jul  | 2,801  | 6,885  | 0 | 0 | 0   |
| 6-Jul  | 3,104  | 0      | 0 | 0 | 0   |
| 7-Jul  | 1,325  | 0      | 0 | 0 | 0   |
| 8-Jul  | 7,040  | 0      | 0 | 0 | 0   |
| 9-Jul  | 3,823  | 0      | 0 | 0 | 0   |
| 10-Jul | 4,996  | 0      | 0 | 0 | 0   |
| 11-Jul | 2,650  | 0      | 0 | 0 | 0   |
| 12-Jul | 2,006  | 0      | 0 | 0 | 0   |
| 13-Jul | 1,022  | 0      | 0 | 0 | 0   |
| 14-Jul | 871    | 0      | 0 | 0 | 0   |
| 15-Jul | 3,974  | 0      | 0 | 0 | 0   |
| 16-Jul | 6,056  | 0      | 0 | 0 | 0   |
| 17-Jul | 11,090 | 0      | 0 | 0 | 0   |
| 18-Jul | 7,911  | 0      | 0 | 0 | 0   |
| 19-Jul | 4,391  | 0      | 0 | 0 | 0   |
| 20-Jul | 3,952  | 0      | 0 | 0 | 0   |
| 21-Jul | 3,520  | 0      | 0 | 0 | 0   |
| 22-Jul | 7,684  | 0      | 0 | 0 | 0   |
| 23-Jul | 5,564  | 18,838 | 0 | 0 | 0   |
| 24-Jul | 9,917  | 26,680 | 0 | 0 | 0   |
| 25-Jul | 3,861  | 10,776 | 0 | 0 | 0   |
| 26-Jul | 4,239  | 0      | 0 | 0 | 0   |
| 27-Jul | 5,450  | 0      | 0 | 0 | 0   |
| 28-Jul | 2,574  | 0      | 0 | 0 | 0   |
| 29-Jul | 2,347  | 0      | 0 | 0 | 0   |
| 30-Jul | 3,671  | 0      | 0 | 0 | 0   |
| 31-Jul | 2,309  | 0      | 0 | 0 | 0   |

**DP-1132 Report: Third Quarter 2024**  
**RLWTF Daily Influent and Effluent**

| Date   | Low-level Influent | Effluent MES | Effluent Outfall 051 | Effluent SET | Transuranic Influent |
|--------|--------------------|--------------|----------------------|--------------|----------------------|
| 1-Aug  | 9,005              | 10,609       | 0                    | 0            | 0                    |
| 2-Aug  | 3,899              | 15,000       | 0                    | 0            | 0                    |
| 3-Aug  | 3,066              | 14,864       | 0                    | 0            | 0                    |
| 4-Aug  | 2,612              | 11,874       | 0                    | 0            | 0                    |
| 5-Aug  | 3,974              | 0            | 0                    | 0            | 0                    |
| 6-Aug  | 6,435              | 0            | 0                    | 0            | 156                  |
| 7-Aug  | 3,899              | 0            | 0                    | 0            | 0                    |
| 8-Aug  | 5,034              | 0            | 0                    | 0            | 0                    |
| 9-Aug  | 9,576              | 0            | 0                    | 0            | 0                    |
| 10-Aug | 9,046              | 0            | 0                    | 0            | 0                    |
| 11-Aug | 7,229              | 0            | 0                    | 0            | 0                    |
| 12-Aug | 8,592              | 0            | 0                    | 0            | 0                    |
| 13-Aug | 5,125              | 0            | 0                    | 0            | 78                   |
| 14-Aug | 9,266              | 0            | 0                    | 0            | 0                    |
| 15-Aug | 5,367              | 10,401       | 0                    | 0            | 0                    |
| 16-Aug | 2,536              | 14,235       | 0                    | 0            | 0                    |
| 17-Aug | 2,952              | 14,235       | 0                    | 0            | 0                    |
| 18-Aug | 2,536              | 14,235       | 0                    | 0            | 0                    |
| 19-Aug | 3,671              | 6,821        | 0                    | 0            | 0                    |
| 20-Aug | 4,731              | 0            | 0                    | 0            | 0                    |
| 21-Aug | 4,807              | 0            | 0                    | 0            | 0                    |
| 22-Aug | 8,251              | 0            | 0                    | 0            | 0                    |
| 23-Aug | 3,104              | 0            | 0                    | 0            | 0                    |
| 24-Aug | 3,558              | 0            | 0                    | 0            | 0                    |
| 25-Aug | 2,574              | 0            | 0                    | 0            | 0                    |
| 26-Aug | 8,024              | 0            | 0                    | 0            | 0                    |
| 27-Aug | 7,267              | 0            | 0                    | 0            | 0                    |
| 28-Aug | 4,012              | 0            | 0                    | 0            | 0                    |
| 29-Aug | 9,538              | 0            | 0                    | 0            | 0                    |
| 30-Aug | 2,952              | 0            | 0                    | 0            | 0                    |
| 31-Aug | 2,006              | 0            | 0                    | 0            | 0                    |

**DP-1132 Report: Third Quarter 2024  
RLWTF Daily Influent and Effluent**

| <b>Date</b> | <b>Low-level Influent</b> | <b>Effluent MES</b> | <b>Effluent Outfall 051</b> | <b>Effluent SET</b> | <b>Transuranic Influent</b> |
|-------------|---------------------------|---------------------|-----------------------------|---------------------|-----------------------------|
| 1-Sep       | 1,817                     | 0                   | 0                           | 0                   | 0                           |
| 2-Sep       | 1,438                     | 0                   | 0                           | 0                   | 0                           |
| 3-Sep       | 2,650                     | 0                   | 0                           | 0                   | 0                           |
| 4-Sep       | 2,990                     | 0                   | 63,077                      | 0                   | 0                           |
| 5-Sep       | 6,737                     | 0                   | 0                           | 0                   | 0                           |
| 6-Sep       | 6,018                     | 0                   | 0                           | 0                   | 0                           |
| 7-Sep       | 2,309                     | 0                   | 0                           | 0                   | 0                           |
| 8-Sep       | 1,817                     | 0                   | 0                           | 0                   | 0                           |
| 9-Sep       | 3,444                     | 0                   | 0                           | 0                   | 0                           |
| 10-Sep      | 5,337                     | 0                   | 0                           | 0                   | 0                           |
| 11-Sep      | 4,050                     | 0                   | 0                           | 0                   | 0                           |
| 12-Sep      | 4,391                     | 0                   | 0                           | 0                   | 0                           |
| 13-Sep      | 3,936                     | 0                   | 0                           | 0                   | 0                           |
| 14-Sep      | 946                       | 0                   | 0                           | 0                   | 0                           |
| 15-Sep      | 1,400                     | 0                   | 0                           | 0                   | 0                           |
| 16-Sep      | 6,889                     | 0                   | 0                           | 0                   | 0                           |
| 17-Sep      | 7,873                     | 0                   | 0                           | 0                   | 0                           |
| 18-Sep      | 3,634                     | 0                   | 63,210                      | 0                   | 0                           |
| 19-Sep      | 3,747                     | 0                   | 0                           | 0                   | 0                           |
| 20-Sep      | 2,574                     | 0                   | 0                           | 0                   | 0                           |
| 21-Sep      | 1,590                     | 0                   | 0                           | 0                   | 0                           |
| 22-Sep      | 1,552                     | 0                   | 0                           | 0                   | 0                           |
| 23-Sep      | 2,914                     | 0                   | 0                           | 0                   | 0                           |
| 24-Sep      | 3,028                     | 0                   | 0                           | 0                   | 0                           |
| 25-Sep      | 5,261                     | 0                   | 0                           | 0                   | 0                           |
| 26-Sep      | 3,066                     | 0                   | 0                           | 0                   | 0                           |
| 27-Sep      | 1,930                     | 0                   | 0                           | 0                   | 0                           |
| 28-Sep      | 1,249                     | 0                   | 0                           | 0                   | 0                           |
| 29-Sep      | 1,136                     | 0                   | 0                           | 0                   | 0                           |
| 30-Sep      | 3,482                     | 0                   | 0                           | 0                   | 0                           |

# **Attachment 4**

## Treated Effluent Sampling Results

EPC-DO: 24-288

LA-UR-24-30963

Date: October 29, 2024

Attachment 4

Table 1. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 23, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name             | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method   | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>6</sup> |
|-----------------|-------------|-------------|----------------|----------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|--------------|--|--------------------------------|
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 107-02-8       | Acrolein                   | 1.67          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 1.67                                       | 0.04                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 107-13-1       | Acrylonitrile              | 1.67          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 1.67                                       | 0.52                           |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 309-00-2       | Aldrin                     | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.00665                                    | 0.0198                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 309-00-2       | Aldrin                     | 0.00683       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.00683                                    | 0.0198                         |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Al             | Aluminum                   | 19.3          | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 19.3                                       | 5.000                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 120-12-7       | Anthracene                 | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 1.720                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Sb             | Antimony                   | 1             | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 1  | 6                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 12674-11-2     | Aroclor-1016               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 11104-28-2     | Aroclor-1221               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 11141-16-5     | Aroclor-1232               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 53469-21-9     | Aroclor-1242               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 12672-29-6     | Aroclor-1248               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 11097-69-1     | Aroclor-1254               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 11096-82-5     | Aroclor-1260               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | As             | Arsenic                    | 2             | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 2  | 10                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 1912-24-9      | Atrazine                   | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 3                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 103-33-3       | Azobenzene                 | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.78                           |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Ba             | Barium                     | 0.67          | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.67                                       | 2,000                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 71-43-2        | Benzene                    | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 92-87-5        | Benadine                   | 4.11          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 4.11                                       | 0.001                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 50-32-8        | Benzo(a)pyrene             | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 0.2                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 205-99-2       | Benzo(b)fluoranthene       | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 0.343                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 207-08-9       | Benzo(k)fluoranthene       | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 3.432                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Be             | Beryllium                  | 0.2           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.2  | 4                              |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 319-84-6       | BHC[alpha-]                | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.00665                                    | 0.0693                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 319-84-6       | BHC[alpha-]                | 0.00683       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.00683                                    | 0.0693                         |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 319-85-7       | BHC[beta-]                 | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.00665                                    | 0.24253                        |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 319-85-7       | BHC[beta-]                 | 0.00683       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.00683                                    | 0.24253                        |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 58-89-9        | BHC[gamma-]                | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.00665                                    | 0.41512                        |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 58-89-9        | BHC[gamma-]                | 0.00683       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.00683                                    | 0.41512                        |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 111-44-4       | Bis(2-chloroethyl)ether    | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.14                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 55.64                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | B              | Boron                      | 15.7          | ug/L                      | J                                 | Y                     | F                                   | 2024-1443 | REG                         | EPA-200.7    | 15   | 750                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-27-4        | Bromodichloromethane       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 1.344                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-25-2        | Bromoform                  | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 32.851                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 74-83-9        | Bromomethane               | 0.337         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.337                                      | 7.545                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Cd             | Cadmium                    | 0.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.3  | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 56-23-5        | Carbon Tetrachloride       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 57-74-9        | Chlordane(alpha/gamma)     | 0.0765        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.0765                                     | 0.4484                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 57-74-9        | Chlordane(alpha/gamma)     | 0.0786        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.0786                                     | 0.4484                         |
| RLWTF-24-300597 | RLWTF_MES   | 07/23/2024  | Cl(-1)         | Chloride                   | 0.067         | mg/L                      | U                                 | N                     | F                                   | 2024-1443 | FD                          | EPA-300.0    | 0.067                                      | 250                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Cl(-1)         | Chloride                   | 0.067         | mg/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-300.0    | 0.067                                      | 250                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 108-90-7       | Chlorobenzene              | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 77.57                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 67-66-3        | Chloroform                 | 7.04          | ug/L                      | NQ                                | Y                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 100                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 74-87-3        | Chloromethane              | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 20.32                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Cr             | Chromium                   | 3             | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 3  | 50                             |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Co             | Cobalt                     | 0.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.3  | 50                             |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Cu             | Copper                     | 0.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.3  | 1,000                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | CN(TOTAL)      | Cyanide (Total)            | 0.00167       | mg/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-335.4    | 0.00167                                    | 0.2                            |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 50-29-3        | DDT[4,4']                  | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.01                                       | 2.29                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 50-29-3        | DDT[4,4']                  | 0.0103        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.0103                                     | 2.29                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 106-93-4       | Dibromoethane[1,2-]        | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 0.05                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 74-95-3        | Dibromomethane             | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 7.997                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 95-50-1        | Dichlorobenzene[1,2-]      | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 600                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 106-46-7       | Dichlorobenzene[1,4-]      | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 75                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 91-94-1        | Dichlorobenzidine[3,3']    | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 1.25                           |

Attachment 4

Table 1. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 23, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name               | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method   | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>6</sup> |
|-----------------|-------------|-------------|----------------|------------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|--------------|--|--------------------------------|
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-71-8        | Dichlorodifluoromethane      | 0.355         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.355                                      | 197.2                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-34-3        | Dichloroethane[1,1-]         | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 25                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 107-06-2       | Dichloroethane[1,2-]         | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-35-4        | Dichloroethane[1,1-]         | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 7                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 156-59-2       | Dichloroethene[1,2-]         | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 70                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 156-60-5       | Dichloroethene[trans-1,2-]   | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 100                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 120-83-2       | Dichlorophenol[2,4-]         | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 45.3                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 78-87-5        | Dichloropropane[1,2-]        | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 542-75-6       | Dichloropropene[trans-1,3-]  | 0.5           | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.5  | 4.7                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 60-57-1        | Dieldrin                     | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.01                                       | 0.0175                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 60-57-1        | Dieldrin                     | 0.0103        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.0103                                     | 0.0175                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 84-66-2        | Diethylphthalate             | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 14,800.5                       |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 131-11-3       | Dimethyl Phthalate           | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 611.6                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 84-74-2        | Di-n-butylphthalate          | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 884.799                        |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 534-52-1       | Dinitro-2-methylphenol[4,6-] | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 1.52                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 51-28-5        | Dinitrophenol[2,4-]          | 5.27          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 5.27                                       | 38.67                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 121-14-2       | Dinitrotoluene[2,4-]         | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 2.37                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 606-20-2       | Dinitrotoluene[2,6-]         | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.49                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 123-91-1       | Dioxane[1,4-]                | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 4.59                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 122-39-4       | Diphenylamine                | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 122                            |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 959-98-8       | Endosulfan I                 | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.00665                                    | 98.7                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 959-98-8       | Endosulfan I                 | 0.00683       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.00683                                    | 98.7                           |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 33213-65-9     | Endosulfan II                | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.01                                       | 98.7                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 33213-65-9     | Endosulfan II                | 0.0103        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.0103                                     | 98.7                           |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 72-20-8        | Endrin                       | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.01                                       | 2.23                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 72-20-8        | Endrin                       | 0.0103        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.0103                                     | 2.23                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 100-41-4       | Ethylbenzene                 | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 700                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 206-44-0       | Fluoranthene                 | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 802.198                        |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 86-73-7        | Fluorene                     | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 287.642                        |
| RLWTF-24-300597 | RLWTF_MES   | 07/23/2024  | F(-1)          | Fluoride                     | 0.033         | mg/L                      | U                                 | N                     | F                                   | 2024-1443 | FD                          | EPA-300.0    | 0.033                                      | 1.6                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | F(-1)          | Fluoride                     | 0.033         | mg/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-300.0    | 0.033                                      | 1.6                            |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 76-44-8        | Heptachlor                   | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B | 0.00665                                    | 0.022                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 76-44-8        | Heptachlor                   | 0.00683       | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B | 0.00683                                    | 0.022                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 118-74-1       | Hexachlorobenzene            | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.1                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 87-68-3        | Hexachlorobutadiene          | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 1.39                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 77-47-4        | Hexachlorocyclopentadiene    | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.41                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 67-72-1        | Hexachloroethane             | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 3.28                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 2691-41-0      | HMX                          | 0.0825        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8330B | 0.0825                                     | 1,000                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Fe             | Iron                         | 30            | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.7    | 30   | 1,000                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 78-59-1        | Isophorone                   | 3.69          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.69                                       | 780.63                         |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Pb             | Lead                         | 0.5           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.5  | 15                             |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Mn             | Manganese                    | 2             | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.7    | 2  | 200                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Hg             | Mercury                      | 0.067         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | EPA-245.2    | 0.067                                      | 2                              |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Hg             | Mercury                      | 0.067         | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-245.2    | 0.067                                      | 2                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 1634-04-4      | Methyl tert-Butyl Ether      | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.333                                      | 100                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-09-2        | Methylene Chloride           | 0.5           | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D | 0.5  | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 90-12-0        | Methylnaphthalene[1-]        | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 11.38                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 91-57-6        | Methylnaphthalene[2-]        | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 35.11                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Mo             | Molybdenum                   | 0.2           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.2  | 1,000                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 91-20-3        | Naphthalene                  | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 0.316                                      | 30                             |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Ni             | Nickel                       | 0.6           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8    | 0.6  | 200                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | NO3+NO2-N      | Nitrate-Nitrite as Nitrogen  | 0.391         | mg/L                      | NQ                                | Y                     | F                                   | 2024-1443 | REG                         | EPA-353.2    | 0.017                                      | 10                             |
| RLWTF-24-300605 | RLWTF_MES   | 07/23/2024  | NO2-N          | Nitrite as Nitrogen          | 0.078         | mg/L                      | J                                 | Y                     | F                                   | 2024-1434 | REG                         | EPA-300.0    | 0.033                                      | 1                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 98-95-3        | Nitrobenzene                 | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 1.4                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 55-18-5        | Nitrosodimethylamine[N-]     | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.0017                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 62-75-9        | Nitrosodimethylamine[N-]     | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E | 3.16                                       | 0.0049                         |

Attachment 4

Table 1. Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 23, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name                 | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method                    | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>6</sup> |
|-----------------|-------------|-------------|----------------|--------------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|-------------------------------|--|--------------------------------|
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 924-16-3       | Nitroso-di-n-butylamine[N-]    | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 0.03                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 930-55-2       | Nitrosopyrrolidine[N-]         | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 0.37                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 108-60-1       | Oxylbis(L-chloropropane)[2,2-] | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 9.81                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 608-93-5       | Pentachlorobenzene             | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 3.07                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 87-86-5        | Pentachlorophenol              | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 1                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | C104           | Perchlorate                    | 0.05          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:6850                   | 0.05                                       | 13.82                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 355-46-4       | Perfluorohexanesulfonic acid   | 0.614         | ng/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | EPA-537M                      | 0.614                                      | 401.1                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 1763-23-1      | Perfluorooctanesulfonic acid   | 0.745         | ng/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | EPA-537M                      | 0.745                                      | 60.16                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 335-67-1       | Perfluorooctanoic acid         | 0.745         | ng/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | EPA-537M                      | 0.745                                      | 60.16                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | pH             | pH                             | 7.3           | SU                        | -                                 | -                     | UF                                  | -         | REG                         | SM-4500-H + B                 | -  | 6-9                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 85-01-8        | Phenanthrene                   | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 0.316                                      | 170.41                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 108-95-2       | Phenol                         | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 1610-18-0      | Prometon                       | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 249.93                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 129-00-0       | Pyrene                         | 0.316         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 0.316                                      | 117.42                         |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | Ra-226+228     | Radium-226 and Radium-228      | 0.444         | pCi/L                     | U                                 | N                     | UF                                  | 2024-1443 | REG                         | Generic:Radium by Calculation | -  | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 121-82-4       | RDX                            | 0.0825        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8330B                  | 0.0825                                     | 9.6577                         |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Se             | Selenium                       | 1.5           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8                     | 1.5  | 50                             |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Ag             | Silver                         | 0.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8                     | 0.3  | 50                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 100-42-5       | Styrene                        | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 100                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | 504(-2)        | Sulfate                        | 0.133         | mg/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-300.0                     | 0.133                                      | 600                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 126-33-0       | Sulfolane                      | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 20.03                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 95-94-3        | Tetrachlorobenzene[1,2,4,5]    | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 1.66                           |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 79-34-5        | Tetrachloroethane[1,1,2,2-]    | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 10                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 127-18-4       | Tetrachloroethene              | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 5                              |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Tl             | Thallium                       | 0.6           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8                     | 0.6  | 2                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 108-88-3       | Toluene                        | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 1,000                          |
| RLWTF-24-300597 | RLWTF_MES   | 07/23/2024  | TDS            | Total Dissolved Solids         | 18            | mg/L                      | NQ                                | Y                     | F                                   | 2024-1443 | FD                          | EPA-160.1                     | 2.38                                       | 1,000                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | TDS            | Total Dissolved Solids         | 18            | mg/L                      | NQ                                | Y                     | F                                   | 2024-1443 | REG                         | EPA-160.1                     | 2.38                                       | 1,000                          |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | TKN            | Total Kjeldahl Nitrogen        | 3.14          | mg/L                      | NQ                                | Y                     | F                                   | 2024-1443 | REG                         | EPA-351.2                     | 0.033                                      | -                              |
| RLWTF-24-300593 | RLWTF_MES   | 07/23/2024  | 8001-35-2      | Toxaphene (Technical Grade)    | 0.15          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | FD                          | SW-846:8081B                  | 0.15                                       | 0.158                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 8001-35-2      | Toxaphene (Technical Grade)    | 0.154         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8081B                  | 0.154                                      | 0.158                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 120-82-1       | Trichlorobenzene[1,2,4-]       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 70                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 71-55-6        | Trichloroethane[1,1,1-]        | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 200                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 79-00-5        | Trichloroethane[1,1,2-]        | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 79-01-6        | Trichloroethene                | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 5                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-69-4        | Trichlorofluoromethane         | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 1,140                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 95-95-4        | Trichlorophenol[2,4,5-]        | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 1,170                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 88-06-2        | Trichlorophenol[2,4,6-]        | 3.16          | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8270E                  | 3.16                                       | 11.88                          |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 118-96-7       | Trinitrotoluene[2,4,6-]        | 0.0825        | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8330B                  | 0.0825                                     | 9.8                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | U              | Uranium                        | 0.067         | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.8                     | 0.067                                      | 30                             |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 75-01-4        | Vinyl Chloride                 | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 2                              |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 1330-20-7      | Xylene (Total)                 | 1             | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 1  | 620                            |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | 95-47-6        | Xylene[1,2-]                   | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.333                                      | 192.995                        |
| RLWTF-24-300602 | RLWTF_MES   | 07/23/2024  | Xylene[m+p]    | Xylene[1,3-+xylene[1,4-]       | 0.5           | ug/L                      | U                                 | N                     | UF                                  | 2024-1443 | REG                         | SW-846:8260D                  | 0.5  | 386                            |
| RLWTF-24-300607 | RLWTF_MES   | 07/23/2024  | Zn             | Zinc                           | 3.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1443 | REG                         | EPA-200.7                     | 3.3  | 10,000                         |

Notes:

- <sup>1</sup>ug/L - micrograms per liter
- mg/L - milligrams per liter
- ng/L - nanograms per liter
- SU - standard units
- pc/L - picocuries per liter

<sup>2</sup>U - The analyte is classified as not detected

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

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

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



# Attachment 4

**Table 1.** Analytical Results from Quarterly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on July 23, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC # | Sample Purpose <sup>5</sup> | Lab Method | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>6</sup> |
|-----------------|-------------|-------------|----------------|----------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-------|-----------------------------|------------|--|--------------------------------|
|                 |             |             |                |                |               |                           |                                   |                       |                                     |       |                             |            |  |                                |

<sup>3</sup>N - In the Detected column means the analyte was not detected

Y - In the Detected column means the analyte was detected

<sup>4</sup>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

<sup>5</sup>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

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

<sup>7</sup> 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 contain either 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 NMAC 20.6.2.3103 Groundwater Standard

# Attachment 4

Table 2. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to the Mechanical Evaporator System on August 1, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name              | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method  | Report Method Detection Limit | Groundwater Limit <sup>6</sup> |
|-----------------|-------------|-------------|----------------|-----------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|-------------|-------------------------------|--------------------------------|
| RLWTF-24-300516 | RLWTF_MES   | 08/01/2024  | Cl(-1)         | Chloride                    | 0.158         | mg/L                      | J                                 | Y                     | F                                   | 2024-1503 | REG                         | EPA-300.0   | 0.067                         | 2.50                           |
| RLWTF-24-300516 | RLWTF_MES   | 08/01/2024  | F(-1)          | Fluoride                    | 0.033         | mg/L                      | U                                 | N                     | F                                   | 2024-1503 | REG                         | EPA-300.0   | 0.033                         | 1.6                            |
| RLWTF-24-300516 | RLWTF_MES   | 08/01/2024  | NO3+NO2-N      | Nitrate-Nitrite as Nitrogen | 0.218         | mg/L                      | NQ                                | Y                     | F                                   | 2024-1503 | REG                         | EPA-353.2   | 0.017                         | 10                             |
| RLWTF-24-300518 | RLWTF_MES   | 08/01/2024  | ClO4           | Perchlorate                 | 0.05          | ug/L                      | U                                 | N                     | UF                                  | 2024-1503 | REG                         | SW-846-6850 | 0.05                          | 13.8                           |
| RLWTF-24-300516 | RLWTF_MES   | 08/01/2024  | TDS            | Total Dissolved Solids      | 19            | mg/L                      | NQ                                | Y                     | F                                   | 2024-1503 | REG                         | EPA-160.1   | 2.38                          | 1,000                          |
| RLWTF-24-300516 | RLWTF_MES   | 08/01/2024  | TKN            | Total Kjeldahl Nitrogen     | 8.55          | mg/L                      | NQ                                | Y                     | F                                   | 2024-1503 | REG                         | EPA-351.2   | 0.165                         | -                              |

Notes:

<sup>1</sup>mg/L - milligrams per liter

<sup>2</sup>ug/L - micrograms per liter

<sup>3</sup>J - The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual

U - The analyte is classified as not detected

<sup>3</sup>Y - In the Detected column means the analyte was detected

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

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

<sup>4</sup>F - In the Field Preparation Code column means the sample was filtered

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

<sup>5</sup>REG - In the Sample Purpose column means the sample was a regular sample

<sup>6</sup>Groundwater Limit represents standards for groundwater as identified in 20.6.2.3103 NMWAC 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 NMWAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit

Attachment 4

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 4, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID       | Sample Date | Parameter Code | Parameter Name             | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method   | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>7</sup> |
|-----------------|-------------------|-------------|----------------|----------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|--------------|--|--------------------------------|
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 107-02-8       | Acrolein                   | 1.67          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 1.67                                       | 0.042                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 107-13-1       | Acrylonitrile              | 1.67          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 1.67                                       | 0.523                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 309-00-2       | Aldrin                     | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.00665                                    | 0.00198                        |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Al             | Aluminum                   | 19.3          | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 19.3                                       | 5,000                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 120-12-7       | Anthracene                 | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 1720                           |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Sb             | Antimony                   | 1             | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 1  | 6                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 12674-11-2     | Aroclor-1016               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 11104-28-2     | Aroclor-1221               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 11141-16-5     | Aroclor-1232               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 53469-21-9     | Aroclor-1242               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 12672-29-6     | Aroclor-1248               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 11097-69-1     | Aroclor-1254               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 11096-82-5     | Aroclor-1260               | 0.0333        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8082A | 0.0333                                     | 0.5                            |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | As             | Arsenic                    | 2             | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 2  | 10                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 1912-24-9      | Atrazine                   | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 3                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 103-33-3       | Azobenzene                 | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.78                           |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Ba             | Barium                     | 0.67          | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.67                                       | 2,000                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 71-43-2        | Benzene                    | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 92-87-5        | Benzidine                  | 3.96          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.96                                       | 0.001                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 50-32-8        | Benzol(a)pyrene            | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 0.2                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 205-99-2       | Benzol(b)fluoranthene      | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 0.34                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 207-08-9       | Benzol(k)fluoranthene      | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 3.43                           |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Be             | Beryllium                  | 0.2           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.2  | 4                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 319-84-6       | BHCl[alpha-]               | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.00665                                    | 0.069                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 319-85-7       | BHC[beta-]                 | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.00665                                    | 0.243                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 58-89-9        | BHC[gamma-]                | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.00665                                    | 0.415                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 111-44-4       | Bis(2-chloroethyl)ether    | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.14                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 55.64                          |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | B              | Boron                      | 24.2          | ug/L                      | J                                 | Y                     | F                                   | 2024-1712 | REG                         | EPA-200.7    | 15   | 750                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-27-4        | Bromodichloromethane       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 1.34                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-25-2        | Bromoform                  | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 32.85                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 74-83-9        | Bromomethane               | 0.337         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.337                                      | 7.54                           |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Cd             | Cadmium                    | 0.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.3  | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 56-23-5        | Carbon Tetrachloride       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 57-74-9        | Chloroacetaldehyde         | 0.0765        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.0765                                     | 0.448                          |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Cl(-1)         | Chloride                   | 49.7          | mg/L                      | NQ                                | Y                     | F                                   | 2024-1712 | FD                          | EPA-300.0    | 0.67                                       | 250                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 108-90-7       | Chlorobenzene              | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 77.57                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 67-66-3        | Chloroform                 | 6.02          | ug/L                      | NQ                                | Y                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 100                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 74-87-3        | Chloromethane              | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 20.32                          |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Cr             | Chromium                   | 3             | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 3  | 50                             |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Co             | Cobalt                     | 0.3           | ug/L                      | J                                 | Y                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.3  | 50                             |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Cu             | Copper                     | 0.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.3  | 1,000                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | CN(TOTAL)      | Cyanide (Total)            | 0.00167       | mg/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-335.4    | 0.00167                                    | 0.2                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 50-29-3        | DDT[4,4-]                  | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.01                                       | 2.29                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 106-93-4       | Dibromomethane[1,2-]       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 0.05                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 74-95-3        | Dibromomethane             | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 7.957                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 95-50-1        | Dichlorobenzene[1,2-]      | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 600                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 106-46-7       | Dichlorobenzene[1,4-]      | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 75                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 91-94-1        | Dichlorobenzene[3,3'-]     | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 1.25                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-71-8        | Dichlorodifluoromethane    | 0.355         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.355                                      | 197.2                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-34-3        | Dichloroethane[1,1-]       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 25                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 107-06-2       | Dichloroethane[1,2-]       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-35-4        | Dichloroethane[1,1-]       | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 7                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 156-59-2       | Dichloroethane[is-1,2-]    | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 70                             |

Attachment 4

Table 3. Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 4, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID       | Sample Date | Parameter Code | Parameter Name                           | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method   | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>7</sup> |
|-----------------|-------------------|-------------|----------------|--|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|--------------|--|--------------------------------|
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 156-60-5       | Dichloroethene[trans-1,2-]               | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 100                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 120-83-2       | Dichlorophenol[2,4-]                     | 3.12          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.12                                       | 45.3                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 78-87-5        | Dichloropropane[1,2-]                    | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 542-75-6       | Dichloropropane[cis/trans-1,3-] Dieldrin | 0.5           | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.5  | 4.71                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 60-57-1        | Diethylphthalate                         | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.01                                       | 0.0175                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 84-66-2        | Dimethyl Phthalate                       | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 14,800.5                       |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 131-11-3       | Di-n-butylphthalate                      | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 611.56                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 84-74-2        | Dinitro-2-methylphenol[4,6-]             | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 884.8                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 534-52-1       | Dinitrophenol[2,4-]                      | 5.19          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.12                                       | 1.52                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 51-28-5        | Dinitrotoluene[2,4-]                     | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 5.19                                       | 38.67                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 121-14-2       | Dinitrotoluene[2,6-]                     | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 2.37                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 606-20-2       | Dioxane[1,4-]                            | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.49                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 123-91-1       | Diphenylamine                            | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 4.59                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 122-39-4       | Endosulfan I                             | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 122                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 959-98-8       | Endosulfan II                            | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.00665                                    | 98.7                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 33213-65-9     | Endrin                                   | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.01                                       | 98.7                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 72-20-8        | Ethylbenzene                             | 0.01          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.01                                       | 2.23                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 100-41-4       | Fluoranthene                             | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 700                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 266-44-0       | Fluorene                                 | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 802.2                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 86-73-7        | Fluoride                                 | 0.304         | mg/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 287.6                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | F(-1)          | Fluoride                                 | 0.033         | mg/L                      | U                                 | N                     | F                                   | 2024-1712 | FD                          | EPA-300.0    | 0.033                                      | 1.6                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | F(-1)          | Fluoride                                 | 0.033         | mg/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-300.0    | 0.033                                      | 1.6                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 76-44-8        | Heptachlor                               | 0.00665       | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B | 0.00665                                    | 0.022                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 118-74-1       | Hexachlorobenzene                        | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.1                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 87-68-3        | Hexachlorobutadiene                      | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 1.39                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 77-47-4        | Hexachlorocyclopentadiene                | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.41                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 67-72-1        | Hexachloroethane                         | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 3.28                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 2691-41-0      | HMX                                      | 0.0809        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8330B | 0.0809                                     | 1,000                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Fe             | Iron                                     | 30            | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.7    | 30   | 1,000                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 78-59-1        | Isophorone                               | 3.55          | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | SW-846:8270E | 3.55                                       | 780.63                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Pb             | Lead                                     | 0.5           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.5  | 15                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Mn             | Manganese                                | 2             | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.7    | 2  | 200                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Hg             | Mercury                                  | 0.067         | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-245.2    | 0.067                                      | 2                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Hg             | Mercury                                  | 0.067         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | EPA-245.2    | 0.067                                      | 2                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 1634-04-4      | Methyl tert-Butyl Ether                  | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.333                                      | 100                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-09-2        | Methylene Chloride                       | 0.5           | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D | 0.5  | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 90-12-0        | Methylnaphthalene[1-]                    | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 11.38                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 91-57-6        | Methylnaphthalene[2-]                    | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 35.11                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Mo             | Molybdenum                               | 0.2           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.2  | 1,000                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 91-20-3        | Naphthalene                              | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 0.304                                      | 30                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Ni             | Nickel                                   | 0.6           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8    | 0.6  | 200                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | NO3-HNO2-N     | Nitrate-Nitrite as Nitrogen              | 0.413         | mg/L                      | NQ                                | Y                     | F                                   | 2024-1712 | REG                         | EPA-353.2    | 0.017                                      | 10                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | NO2-N          | Nitrite as Nitrogen                      | 0.15          | mg/L                      | NQ                                | Y                     | F                                   | 2024-1692 | REG                         | EPA-300.0    | 0.033                                      | 1                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 98-95-3        | Nitrobenzene                             | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 1.4                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 55-18-5        | Nitrosodimethylamine[N-]                 | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.0017                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 62-75-9        | Nitrosodimethylamine[N-]                 | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.0049                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 924-16-3       | Nitroso-di-n-butylamine[N-]              | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.03                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 930-55-2       | Nitrosopyrrolidine[N-]                   | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 0.37                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 108-60-1       | Oxybis(1-chloropropane)[2,2'-]           | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 9.81                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 608-93-5       | Pentachlorobenzene                       | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.04                                       | 3.07                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 87-86-5        | Pentachlorophenol                        | 3.12          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E | 3.12                                       | 1                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | ClO4           | Perchlorate                              | 0.05          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:6850  | 0.05                                       | 13.82                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 355-46-4       | Perfluorohexanesulfonic acid             | 0.597         | ng/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | EPA-537M     | 0.597                                      | 401.1                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 1763-23-1      | Perfluorooctanesulfonic acid             | 0.724         | ng/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | EPA-537M     | 0.724                                      | 60.16                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 335-67-1       | Perfluorooctanoic acid                   | 0.724         | ng/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | EPA-537M     | 0.724                                      | 60.16                          |

Attachment 4

Table 3. Analytical Results from Monthly Sampling of RLW/TF Treated Effluent Discharged to NPDES Outfall 051 on September 4, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID       | Sample Date | Parameter Code | Parameter Name              | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #     | Sample Purpose <sup>5</sup> | Lab Method                    | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>7</sup> |
|-----------------|-------------------|-------------|----------------|-----------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-----------|-----------------------------|-------------------------------|--|--------------------------------|
|                 |                   |             | pH             | pH                          | 7.2           | SU                        |                                   |                       |                                     |           |                             |                               |  | 6-9                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 85-01-8        | Phenanthrene                | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 0.304                                      | 170.4                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 108-95-2       | Phenol                      | 3.12          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 3.12                                       | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 1610-18-0      | Prometon                    | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 3.04                                       | 249.93                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 129-00-0       | Pyrene                      | 0.304         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 0.304                                      | 117.42                         |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Ra-226+228     | Radium-226 and Radium-228   | 0.796         | pCi/L                     | J                                 | Y                     | UF                                  | 2024-1712 | REG                         | Generic:Radium by Calculation | -  | 5                              |
| NP051-24-300548 | NPDES Outfall 051 | 09/04/2024  | Ra-226+228     | Radium-226 and Radium-228   | 1.88          | pCi/L                     | J                                 | Y                     | UF                                  | 2024-1712 | FD                          | Generic:Radium by Calculation | -  | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 121-82-4       | RDX                         | 0.0809        | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8330B                  | 0.0809                                     | 9.66                           |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Se             | Selenium                    | 1.5           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8                     | 1.5  | 50                             |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Ag             | Silver                      | 0.300         | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8                     | 0.3  | 50                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 100-42-5       | Styrene                     | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 100                            |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | 504(-2)        | Sulfate                     | 0.42          | mg/L                      | NQ                                | Y                     | F                                   | 2024-1712 | REG                         | EPA-300.0                     | 0.133                                      | 600                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 126-33-0       | Sulfonane                   | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 3.04                                       | 20.03                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 95-94-3        | Tetrachlorobenzene[1,2,4,5] | 3.04          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 3.04                                       | 1.66                           |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 79-34-5        | Tetrachloroethane[1,1,2,2-] | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 10                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 127-18-4       | Tetrachloroethene           | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Tl             | Thallium                    | 0.6           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8                     | 0.6  | 2                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 108-88-3       | Toluene                     | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 1,000                          |
| NP051-24-300527 | NPDES Outfall 051 | 09/04/2024  | TDS            | Total Dissolved Solids      | 168           | mg/L                      | J                                 | Y                     | F                                   | 2024-1712 | FD                          | EPA-160.1                     | 2.38                                       | 1,000                          |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | TDS            | Total Dissolved Solids      | 146           | mg/L                      | J                                 | Y                     | F                                   | 2024-1712 | REG                         | EPA-160.1                     | 2.38                                       | 1,000                          |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | TKN            | Total Kjeldahl Nitrogen     | 5.03          | mg/L                      | NQ                                | Y                     | F                                   | 2024-1712 | REG                         | EPA-351.2                     | 0.132                                      | 15                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 8001-35-2      | Toxaphene (Technical Grade) | 0.15          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8081B                  | 0.15                                       | 0.158                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 120-82-1       | Trichlorobenzene[1,2,4-]    | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 70                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 71-55-6        | Trichloroethane[1,1,1-]     | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 200                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 79-00-5        | Trichloroethane[1,1,2-]     | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 79-01-6        | Trichloroethene             | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 5                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-69-4        | Trichlorofluoromethane      | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 1,140                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 95-95-4        | Trichlorophenol[2,4,5-]     | 3.12          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 3.12                                       | 1,170                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 88-06-2        | Trichlorophenol[2,4,6-]     | 3.12          | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8270E                  | 3.12                                       | 11.88                          |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 118-96-7       | Trinitrotoluene[2,4,6-]     | 0.117         | ug/L                      | J                                 | Y                     | UF                                  | 2024-1712 | REG                         | SW-846:8330B                  | 0.0809                                     | 9.8                            |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | U              | Uranium                     | 0.067         | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.8                     | 0.067                                      | 30                             |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 75-01-4        | Vinyl Chloride              | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 2                              |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 1330-20-7      | Xylene (Total)              | 1             | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 1  | 620                            |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | 95-47-6        | Xylene[1,2-]                | 0.333         | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.333                                      | 192.995                        |
| NP051-24-300534 | NPDES Outfall 051 | 09/04/2024  | Xylene(m+p)    | Xylene[1,3-,1-xylene[1,4-]  | 0.5           | ug/L                      | U                                 | N                     | UF                                  | 2024-1712 | REG                         | SW-846:8260D                  | 0.5  | 386                            |
| NP051-24-300532 | NPDES Outfall 051 | 09/04/2024  | Zn             | Zinc                        | 3.3           | ug/L                      | U                                 | N                     | F                                   | 2024-1712 | REG                         | EPA-200.7                     | 3.3  | 10,000                         |

Notes:

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

<sup>2</sup>U - The analyte is classified as not detected

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

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

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

<sup>3</sup>N - In the Detected column means the analyte was not detected

Y - In the Detected column means the analyte was detected

<sup>4</sup>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

<sup>5</sup>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

## Attachment 4

**Table 3.** Analytical Results from Monthly Sampling of RLWTF Treated Effluent Discharged to NPDES Outfall 051 on September 4, 2024. Permit Condition No. 29.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC # | Sample Purpose <sup>5</sup> | Lab Method | Report Method Detection Limit <sup>6</sup> | Groundwater Limit <sup>7</sup> |
|-----------------|-------------|-------------|----------------|----------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-------|-----------------------------|------------|--|--------------------------------|
|-----------------|-------------|-------------|----------------|----------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|-------|-----------------------------|------------|--|--------------------------------|

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

<sup>7</sup> 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 contain either a 20.6.2.3103 NMAC standard or NMED Risk Assessment Guidance, Table A-1, Tap Water Limit-The DP-1132 standard for Total Nitrogen is 15 mg/L (Condition No. 16)

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

**Attachment 5**  
Groundwater Monitoring Report -  
Third Quarter 2024

EPC-DO: 24-288

LA-UR-24-30963

Date: October 29, 2024

# Quarterly Groundwater Monitoring Report – Third Quarter 2024

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| MCA-RLW-2, Third Quarter 2024..... | 3 |
| MCOI-6, Third Quarter 2024.....    | 4 |



**MCA-RLW-1, Third Quarter 2024**

|   |  |   |
|---|--|---|
| a | Sample Date  | 7/1/2024  |
| b | Sample Time  | 0935  |
| 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))                             | 6,864.5   |
| 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<br>Oxidation/Reduction Potential (MV): N/A<br>Temp (deg C): N/A<br>pH (SU): N/A<br>Turbidity (NTU): N/A<br>Specific Conductance ( $\mu$ S/cm): N/A |
| k | Description of sample methods  | N/A   |
| l | Chain-of-Custody   | N/A   |
| m | Location Map   | Attachment 6  |
|   | Analytical Results   | N/A   |

## Notes:

N/A – Not applicable. Well was not sampled when visited on July 1, 2024, due to insufficient water in the well. The well only contained 0.12 ft of standing water.

**MCA-RLW-2, Third Quarter 2024**

|   |  |   |
|---|--|---|
| a | Sample Date  | 7/1/2024  |
| b | Sample Time  | 0915  |
| 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<br>Oxidation/Reduction Potential (MV): N/A<br>Temp (deg C): N/A<br>pH (SU): N/A<br>Turbidity (NTU): N/A<br>Specific Conductance ( $\mu$ S/cm): N/A |
| k | Description of sample methods  | N/A   |
| l | Chain-of-Custody   | N/A   |
| m | Location Map   | Attachment 6  |
|   | Analytical Results   | N/A   |

## Notes:

N/A – Not applicable. Well was not sampled when visited on July 1, 2024, due to insufficient water in the well. The well only contained 0.27 ft of standing water.

## MCOI-6, Third Quarter 2024

|   |  |  |
|---|--|--|
| a | Sample Date  | 7/18/2024  |
| b | Sample Time  | 1136   |
| 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))                             | 6,136.62   |
| 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)              | 29.88  |
| i | Total volume of water purged prior to sample collection (gal)                              | 127.06   |
| j | Physical parameters including temperature, conductivity, pH, oxidation/reduction potential | DO (mg/L): 7.42<br>Oxidation/Reduction Potential (MV): 188.3<br>Temp (deg C): 17.9<br>pH (SU): 7.41<br>Turbidity (NTU): 1.9<br>Specific Conductance ( $\mu$ S/cm): 533 |
| 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

MCOI-6

Client Name: IB SMO ; Alamos NM

Lab Agreement #: [Blank]

Site Name: N3B LANL

Project Number: [Blank]

Analysis Turnaround Time: 24 Hour -  Other -  Value - > Standard

7 Days -  14 Days -  21 Days -  28 Days -

Total # of bottles: 6

Event ID: 16280

Lab Reporting Limit Type: Method Detection Limit

| Field Sample ID | Sample Date | Sample Time | Sample Matrix | Parameters                            | Units | Results |
|-----------------|-------------|-------------|---------------|---------------------------------------|-------|---------|
| CAMO-24-331123  | 07/18/2024  | 11:36       | W             | EPA:350.1_NH3+353.2_NO3/NO2+365.4_PO4 | 1'    |         |
| CAMO-24-331124  | 07/18/2024  | 11:36       | W             | EPA:351.2_TKN+SW-846:9060_TOC         | 1'    |         |
|                 |             |             |               | EPA:SC_pH_TDS_AIK+SW-846:CIO4_Amons   | 1'    |         |
|                 |             |             |               | SW-846:7470_Hg                        | 1'    |         |
|                 |             |             |               | SW-846:9012_CN(T)                     | 1'    |         |
|                 |             |             |               | SW-846:IFGMF_Metals                   | 1'    |         |

Special Instructions: [Blank]

Requested by: [Signature] Date/Time: 07/18/2024 1310

Print Name: Jaclyn Supkoff

Received by: [Signature] Date/Time: 07/18/2024 1310

Print Name: John Knight

Requested by: [Blank] Date/Time: [Blank]

Print Name: [Blank]

Table 1. Analytical Results from Third Quarter 2024 Groundwater Sampling of Perched/Intermediate Monitoring Well MCOI-6, Permit Condition No. 36.

| Field Sample ID | Location ID | Sample Date | Parameter Code | Parameter Name              | Report Result | Report Units <sup>1</sup> | Validation Qualifier <sup>2</sup> | Detected <sup>3</sup> | Field Preparation Code <sup>4</sup> | COC #         | Sample Purpose <sup>5</sup> | Lab Method   | Report Method Detection Limit | Groundwater Limit <sup>6</sup> |
|-----------------|-------------|-------------|----------------|-----------------------------|---------------|---------------------------|-----------------------------------|-----------------------|-------------------------------------|---------------|-----------------------------|--------------|-------------------------------|--------------------------------|
| CAMO-24-331124  | MCOI-6      | 07-18-2024  | C(-1)          | Chloride                    | 44.6          | mg/L                      | NQ                                | Y                     | F                                   | N3B-2024-4056 | REG                         | SW-846:9056A | 0.670                         | 250                            |
| CAMO-24-331124  | MCOI-6      | 07-18-2024  | F(-1)          | Fluoride                    | 0.523         | mg/L                      | NQ                                | Y                     | F                                   | N3B-2024-4056 | REG                         | SW-846:9056A | 0.0330                        | 1.6                            |
| CAMO-24-331124  | MCOI-6      | 07-18-2024  | NO3+NO2-N      | Nitrate-Nitrite as Nitrogen | 15.1          | mg/L                      | NQ                                | Y                     | F                                   | N3B-2024-4056 | REG                         | EPA-353.2    | 0.425                         | 10                             |
| CAMO-24-331124  | MCOI-6      | 07-18-2024  | ClO4           | Perchlorate                 | 139           | ug/L                      | NQ                                | Y                     | F                                   | N3B-2024-4056 | REG                         | SW-846:6850  | 2.50                          | 13.8                           |
| CAMO-24-331124  | MCOI-6      | 07-18-2024  | TDS            | Total Dissolved Solids      | 387           | mg/L                      | NQ                                | Y                     | F                                   | N3B-2024-4056 | REG                         | EPA-160.1    | 2.38                          | 1,000                          |
| CAMO-24-331123  | MCOI-6      | 07-18-2024  | TKN            | Total Kjeldahl Nitrogen     | 0.0330        | mg/L                      | UJ                                | N                     | UF                                  | N3B-2024-4056 | REG                         | EPA-351.2    | 0.0330                        | -                              |

Notes:

<sup>1</sup>mg/L - milligrams per liter.

<sup>2</sup>ug/L - micrograms per liter.

<sup>3</sup>UJ - No validation qualifier flag is associated with this result, and the analyte is classified as detected.

<sup>4</sup>Y - The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

<sup>5</sup>Y - In the detected column means the analyte was detected.

<sup>6</sup>N - In the detected column means the analyte was not detected.

<sup>7</sup>F - In the Field Preparation Code column means the sample was filtered.

<sup>8</sup>UF - In the Field Preparation Code column means the sample was not filtered.

<sup>9</sup>REG - In the sample purpose column means the sample was a regular sample.

<sup>10</sup>Groundwater Limit represents standards for groundwater as identified in NMAC 20.6.2.3103 where available, otherwise the value represents NMED Risk Assessment Guidance, Table A-1, Tap Water Limit.

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

# **Attachment 6**

## Monitoring Well Location Map

EPC-DO: 24-288

LA-UR-24-30963

Date: October 29, 2024

