



Environmental Compliance Programs Group

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National Nuclear Security Administration

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Symbol: EPC-DO: 25-023

Date: January 31, 2025

LA-UR: 25-20422

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, Condition No. 14, Damage to Structural Integrity, Radioactive Liquid Waste Treatment Facility, South Treated Effluent Tank - Corrective Action Plan Implementation Extension Request, January 2025

Dear Mr. Ball:

On August 31, 2022, the New Mexico Environment Department (NMED) was notified, pursuant to DP-1132 Permit Condition No. 14, that treated effluent was discovered to have wept onto the exterior surface of the south treated effluent tank at the Technical Area 50 Radioactive Liquid Waste Treatment Facility (RLWTF). Corrective Action Plans were submitted to NMED on September 30, 2022 (EPC-DO: 22-264), and November 21, 2022 (EPC-DO: 22-315), describing steps that will be taken to repair and replace the south treated effluent tank.

The current deadline to complete the steps included in the NMED approved Corrective Action Plan is March 1, 2025, as established in an extension request submitted in August 2023 (EPC-DO: 24-215) and approved by NMED on October 3, 2023. Work on this project remains underway and progress continues to be made. The required parts and materials that were previously delayed have been received. The order from the tank manufacturer was placed in August 2024. The replacement tanks are currently being fabricated and are expected to arrive onsite by May 2025.

The following steps from the Corrective Action Plan have been completed:

1. An epoxy resin patch and an additional welded patch were applied to the thinning area of the tank. Successful tank leak tests were conducted after completion of each tank patch repair.

2. The new treated effluent flow meters were installed at the facility and will be brought online prior to removal of the south treated effluent tank.

Completion of this work has taken longer than previously anticipated due to the additional time it took resources to be allocated to the remaining portions of this project and the extensive process required to select and contract with a suitable manufacturer to fabricate the replacement tanks. The remaining steps detailed in the Corrective Action Plan to complete this project are:

1. Bringing the newly installed treated effluent flow meters online and operational: Estimated to be completed by the end of June 2025.
2. Removal of the south treated effluent tank: Estimated to be completed by the end of December 2025.
3. Installation of the two new 10,000 gallon treated effluent tanks: Estimated to be completed by the end of September 2026.

Pursuant to Permit Condition No. 55, *Extensions of Time*, an extension to install the two replacement effluent tanks is being requested until September 2026. Status updates will continue to be provided in the DP-1132 Quarterly Monitoring Reports. Please contact Robert A. Gallegos at (505) 901-3824 or robert.gallegos@nnsa.doe.gov, or contact Brian M. Iacona at (505) 500-6038 or biacona@lanl.gov if you have questions regarding this extension request.

Sincerely,

**SARAH
HOLCOMB
(Affiliate)**

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

Sincerely,

**ROBERT
GALLEGOS**

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

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