ESHID-603793

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Symbol: EPC-DO: 23-274
Date: August 30, 2023
LA-UR: 23-29539
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

Dear Mr. Ball:

On August 31, 2022, the New Mexico Environment Department (NMED) was notified that the south treated effluent tank at the Technical Area 50 Radioactive Liquid Waste Treatment Facility (RLWTF) was taken out of service when treated effluent was discovered to have wept onto the exterior surface of the tank. In accordance with DP-1132 Permit Condition No. 14, corrective action plans were submitted to NMED on September 30, 2022 (EPC-DO: 22-264), and November 21, 2022 (EPC-DO: 22-315).

Since identifying the issue, an epoxy resin patch and an additional welded patch have been applied to the thinning area of the tank. Successful tank leak tests were conducted after completion of each tank patch repair. As detailed in the corrective action plan, the south treated effluent tank has been returned to service and no additional issues or weeping from the tank have occurred. The remaining steps detailed in the corrective action plan that still need to be completed include: 1) relocation of treated effluent flow meters, 2) removal of the south treated effluent tank, and 3) installation of two new 10,000 gallon treated effluent tanks to replace the existing 20,000 gallon treated effluent tank.

Pursuant to Permit Condition No. 55, Extensions of Time, additional time is being requested to complete the remaining steps listed above due to unexpected delays including: 1) delayed receipt of parts and materials by the project, 2) issues encountered with placing the order from the tank supplier, and 3) delays in scheduling of project resource allocation. Once all project parts and materials are received, the tank is ordered from the supplier, and the project resources are secured, the final steps of the Corrective Action Plan will be completed. It is estimated that the current delays will be addressed within 6-8 months. Then

an additional 10 months will be required to replace the existing treated effluent tank. Status updates will 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)

Digitally signed by SARAH HOLCOMB (Affiliate)
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Steve Story
Group Leader
Environmental Compliance Programs
Triad National Security, LLC

Sincerely,

Robert A. Gallegos

Digitally signed by Robert A. 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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