



Environmental Compliance Programs Group

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Symbol: EPC-DO: 25-060

Date: February 27, 2025

LA-UR: 25-21491

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. 2, Notification of Changes, Rotary Fan Press Replacement, Low Level Waste Facility, Technical Area 50 Structure 230

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 2, *Notification of Changes*, a written notification must be submitted to NMED for any changes to the RLWTF's treatment system.

Technical Area (TA) 50 Structure 230 (TA-50-230) will replace current low-level wastewater treatment processes at the RLWTF when commissioned in the future. TA-50-230 is not operational and currently does not treat wastewater. One required modification at TA-50-230 is to replace the rotary fan press, currently installed in the facility, with a drum tumbler to manage secondary waste generated at the facility. Attachment 1 provides the information required by DP-1132 Permit Condition Number 2, *Notification of Changes*, for this change.

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 notification.

Sincerely,

**SARAH
HOLCOMB
(Affiliate)**

Digitally signed by
SARAH HOLCOMB
(Affiliate)
Date: 2025.02.25
08:38:40 -07'00'

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

Sincerely,

Digitally signed by THEODORE A.
WYKA

Date: 2025.02.26 14:19:57 -07'00'

Theodore A. Wyka
Manager, Los Alamos Field Office
National Nuclear Security Administration
U.S. Department of Energy
Los Alamos Field Office

Attachment: Attachment 1 DP-1132 Permit Condition Number 2, Notification of Changes, Technical Area 50 Structure 230 - Rotary Fan Press Replacement

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Attachment 1

DP-1132 Permit Condition Number 2, Notification
of Changes, Technical Area 50 Structure 230 -
Rotary Fan Press Replacement

EPC-DO: 25-060

LA-UR-25-21491

Date: February 27, 2025

DP-1132 Permit Condition Number 2, Notification of Changes

Technical Area 50 Structure 230 Rotary Fan Press Replacement

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- a. **Date process change is planned to be implemented:** This work is expected to begin on or after April 7, 2025.
- b. **Narrative of process change:** In the future, Technical Area (TA) 50 Structure 230 (TA-50-230) will replace the low-level wastewater treatment processes currently conducted at the Radioactive Liquid Waste Treatment Facility (RLWTF). TA-50-230 is not operational and is not currently used to treat radioactive wastewater.

When TA-50-230 was designed and constructed, a rotary fan press was installed to dewater and manage the secondary waste stream generated from future use of the facility's microfilter. Following installation of the rotary fan press, facility personnel conducted an evaluation of the future treatment processes at the facility and determined replacing this component with a drum tumbler will enable more efficient management of the secondary waste generated by the microfilter. In place of the rotary fan press, the drum tumbler will be used to cement and containerize this waste stream when this facility becomes operational. To complete this process change, the current rotary fan press in TA-50-230 will be disconnected and removed from the facility, and a drum tumbler will be installed at the same location.

- c. **Justification for making the process change:** This facility change is being performed to enable more efficient management of the secondary waste stream that will be generated by the use of the microfilter at TA-50-230.
- d. **Units or components being removed from the process:** The rotary fan press currently installed at TA-50-230 will be removed from the facility.
- e. **Units or components being incorporated into the process:** The rotary fan press being removed will be replaced by a drum tumbler to cement and manage the secondary waste generated by future use of the microfilter at TA-50-230.
- f. **Operational controls implemented for the change in processes:** There are not any contamination concerns associated with removal of the rotary fan press from TA-50-230 since this facility is not yet operational and wastewater influent has never been transferred to the building. Operational controls incorporated in the drum tumbler installation will meet all Occupational Safety and Health Administration design standards for control of hazards. Once the drum tumbler installation is complete, it will be tested to ensure the component functions properly.
- g. **Intended duration of process change:** Once the drum tumbler is installed at TA-50-230 it will remain in the facility until it is brought into operation. The replacement low-level wastewater treatment facility at the RLWTF, TA-50-230, is expected to be ready for operation around September 2027.