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*Date:* **JUL 27 2018**  
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*LA-UR:* 18-26025  
*Locates Action No.:* NA

Ms. Michelle Hunter, Chief  
Ground Water Quality Bureau  
New Mexico Environment Department  
Harold Runnels Building, Room N2261  
1190 St. Francis Drive  
P.O. Box 26110  
Santa Fe, NM 87502

Dear Ms. Hunter:

**Subject: Discharge Plan DP-1132 Quarterly Report, Second Quarter 2018, TA-50 Radioactive Liquid Waste Treatment Facility**

This letter from the U.S. Department of Energy and Los Alamos National Security, LLC (DOE/LANS) is the second quarter 2018 Discharge Plan DP-1132 report for the Technical Area (TA)-50 Radioactive Liquid Waste Treatment Facility (RLWTF). Since the first quarter of 1999, DOE/LANS have provided the New Mexico Environment Department (NMED) with voluntary quarterly reports containing analytical results from effluent and groundwater monitoring.

During the second quarter of 2018, no effluent was discharged to either National Pollutant Discharge Elimination System (NPDES) Outfall 051 or to the solar evaporative tank system (SET) at TA-52; all effluent was evaporated on-site at the mechanical evaporator system (MES).

Quarterly Monitoring Results, Mortandad Canyon Alluvial Groundwater Wells

Due to Stage II and III fire restrictions at Los Alamos National Laboratory, access to Mortandad Canyon alluvial groundwater monitoring wells MCO-4B, MCO-6, and MCO-7 was restricted until June 29, 2018. No samples were collected from alluvial wells MCO-4B and MCO-6 because there was insufficient water in the wells. Samples collected from MCO-7 on June 29, 2018, were submitted to GEL Laboratories LLC for analysis. Analytical results from MCO-7 were not available at the time this report was prepared and will be submitted to NMED in the quarterly monitoring report due on November 1, 2018.



Ms. Michelle Hunter  
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Analytical results from the sampling of intermediate and regional aquifer wells in Mortandad Canyon can be accessed online at the Intellus New Mexico environmental monitoring data web site (<http://www.intellusnmdata.com>).

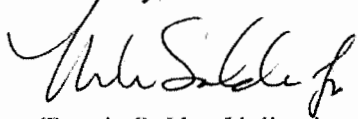
TA-50 RLWTF Effluent Monitoring Results

No final weekly composite (FWC) samples were collected during the second quarter of 2018 because no effluent was discharged to Mortandad Canyon.

No final monthly composite (FMC) samples were collected during the second quarter of 2018 because no effluent was discharged to Mortandad Canyon.

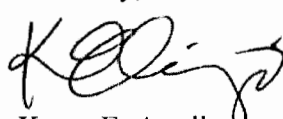
Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at [Karen.Armijo@nnsa.doe.gov](mailto:Karen.Armijo@nnsa.doe.gov), or Robert S. Beers by telephone at (505) 667-7969 or by email at [bbeers@lanl.gov](mailto:bbeers@lanl.gov) if you have questions regarding this report.

Sincerely,



Taunia S. Van Valkenburg  
Group Leader

Sincerely,



Karen E. Armijo  
Permitting and Compliance Program Manager

TVV/KEA/MTS/RSB:kr

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