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RYAN FLYNN  
Cabinet Secretary

BUTCH TONGATE  
Deputy Secretary

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

October 8, 2015

Allison Dorries, Division Leader  
Environmental Protection Division  
Los Alamos National Security, LLC (LANS)  
3747 West Jemez Road  
Los Alamos, New Mexico 87545

Douglas E. Hintze, Manager  
Environmental Management  
Los Alamos Field Office  
U.S. Department of Energy  
P.O. Box 1663, K490  
Los Alamos, New Mexico 87545

**RE: Discharge Permit DP-1793, Approval of Workplan #2 for Treatment and Land Application of Groundwater - Los Alamos National Laboratory**

Dear Ms. Dorries and Mr. Hintze:

On September 3, 2015 the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) received a workplan for land application of treated groundwater from Mortandad and Sandia Canyons, as required by Condition #3 of DP-1793, for activities regulated under this Discharge Permit.

The workplan proposes treatment and land application of groundwater derived from pumping at an extraction well (CrEX-1), new monitor well and piezometer development, and routine purging and sampling of groundwater. The proposed discharge will be completed prior to December 31, 2015, or at such time as conditions specified within the permit can no longer be met.

The workplan, as submitted, is approved with the following modifications:

- Spray application of treated groundwater will be suspended a minimum of 100 feet from boundaries of Solid Waste Management Units (SWMU), NPDES Outfalls, Areas of Concern (AOC) identified in the 2005 NMED Order on Consent, drinking water wells,

surface impoundments and surface drainage areas, or other areas that are not appropriate as identified in Condition #4 of the permit.

- Analysis of groundwater and treated groundwater shall be for dissolved chromium rather than total chromium as specified in the workplan; and
- Monitoring Wells MCO-12, MCA-9 and MCO-9 will be added to the list of monitoring wells to be sampled under the Facility-Wide Groundwater Monitoring Program as listed in Enclosure 4.

Within 60 days of cessation of the discharge, DOE/LANS will submit a Discharge Report documenting the total volume of water discharged, estimated average application rate, analytical reports for the samples collected under the water quality sampling plan, a map identifying the locations of discharge, and photographs including documentation of signs denoting the beginning and end of each land-application unit.

If you have any questions, please contact Steven Huddleson at (505) 827-2936. Thank you for your cooperation.

Sincerely,



Michelle Hunter, Chief  
Ground Water Quality Bureau

MH:SMH

CC: James Hogan, NMED/SWQB (E-file)  
John E. Kieling, NMED/HWB (E-file)  
Stephen Yanicak, NMED/DOE/OB (E-file)  
Gene Turner, NA-LA (E-file)  
Bob Beers, EM-LA (E-file)