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*State of New Mexico*  
**ENVIRONMENT DEPARTMENT**  
*Hazardous Waste Bureau*

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BUTCH TONGATE  
Cabinet Secretary  
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Deputy Secretary

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

June 1, 2017

Doug Hintze  
Manager  
Environmental Management  
Los Alamos Field Office  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

Bruce Robinson  
Program Director  
Environmental Remediation Program  
Los Alamos National Laboratory  
P.O. Box 1663, MS M991  
Los Alamos, NM 87545

**RE: APPROVAL  
SEDIMENT MANAGEMENT DECISION TREE GUIDANCE  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID#NM0890010515  
HWB-LANL-17-018**

Dear Messrs. Hintze and Robinson:

The New Mexico Environment Department (NMED) has received from the United State Department of Energy and Los Alamos Security, LLC. (collectively, the Permittees) a *Request for Approval of the Sediment Management Decision Tree Guidance* (Guidance) dated and received April 25, 2017, and referenced by ADEM-17-0030 and LA-UR-17-23153.

Following several discussions between NMED and the Permittees the Guidance was developed. The Guidance describes the final approach for the management and disposition of sediment that accumulate at structures installed to retain sediment in runoff from solid waste management units (SWMUs) and areas of concern (AOCs) at Los Alamos National Laboratory (LANL).

Prior to proposed removal of the sediments, the Permittees must characterize the sediments, conduct a risk evaluation for residential and construction land use scenarios in accordance with NMED's 2017 Risk Assessment Guidance for Site Investigations and Remediation (as updated). If the sediment qualifies for land application under the terms

U1700777

Messrs. Hintze and Robinson

June 1, 2017

Page 2

and conditions of this document, the Permittees may land apply the sediments. If the sediment does not qualify for land application, the Permittees must submit the characterization and risk evaluation results and propose alternative sediment management activities for NMED's review and approval. The Permittees must submit an annual report that documents the sampling and characterization results, the volume, and locations of the land applied sediments to NMED. The annual report must be submitted no later April 30 of each year, documenting results of sediment management activities at LANL for the previous calendar year.

NMED hereby approves this Guidance. This Guidance is applicable only to sediments accumulated at structures installed to retain sediments.

If you have any questions regarding this letter, please contact Neelam Dhawan of my staff at (505) 476-6042.

Sincerely,



John E. Kieling  
Chief

Hazardous Waste Bureau

cc:

- N. Dhawan, NMED HWB
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File: 2017 LANL, Sediment Management Decision Tree Guidance  
LANL-17-018

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