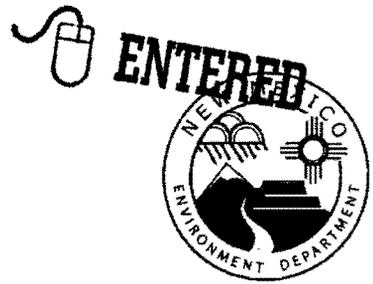


TA 12



NEW MEXICO
ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

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RON CURRY
Secretary

SARAH COTTRELL
Deputy Secretary

BILL RICHARDSON
Governor

DIANE DENISH
Lieutenant Governor

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

December 8, 2010

George J. Rael, Assistant Manager
Environmental Projects Office
U.S. Department of Energy / National
Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATION
THREEMILE CANYON AGGREGATE AREA
INVESTIGATION REPORT, REVISION 1
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-049**

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Investigation Report for Threemile Canyon Aggregate Area, Revision 1* (Report), dated November 2010 (referenced by LA-UR-10-7227/EP2010-0487) and the associated response to the NMED's Notice of Disapproval. NMED hereby issues this Approval with Modification for the Report.

Modification

Section 8.1.4, Conclusions, TA-36, page 127: In Section 7.4.3.4, the Permittees determined that the vertical extent of plutonium-238 is not defined because concentrations increased with



depth at location 36-610822. The Permittees must include plutonium-238 as an analyte for Phase II Sampling at solid waste management unit (SWMU) 36-008.

The Permittees must submit the proposed Phase II Investigation Work Plan for Threemile Canyon Aggregate Area no later than **June 8, 2011**. All submittals (including maps and tables) must be in the form of two paper copies and one electronic copy in accordance with Section XI.A of the Order.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,



James P. Bearzi
Chief
Hazardous Waste Bureau

BRZ:nmd

cc: J. Kieling, NMED HWB
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
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W. Woodworth, DOE LASO, MS A316
J. McCann, LANS, EP-CAP, MS M992

File: 2010 LANL, Threemile Canyon Aggregate Area Investigation Report.