

TA-16
State of New Mexico
ENVIRONMENT DEPARTMENT



BILL RICHARDSON
GOVERNOR

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RON CURRY
SECRETARY

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DEPUTY SECRETARY

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

February 23, 2006

John Ordaz
Los Alamos Site Office
Department of Energy
528 35th Street, Mail Stop A316
Los Alamos, NM 87544

Jack Ellvinger
Los Alamos National Laboratory
P.O. Box 1663, Mail Stop K490
Los Alamos, NM 87545

**RE: SIGMA MESA DATA FOR RUBBLE GENERATED FROM THE DEMOLITION
OF TA-16-340
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515**

Dear Messrs. Ordaz and Ellvinger:

The New Mexico Environment Department (NMED) is in receipt of the Department of Energy and University of California (collectively, the Permittees) document entitled *Sigma Mesa Data for Rubble Generated from the Demolition of TA-16-340* dated December 9, 2005 and referenced by ENV-SWRC: 05-083. This document informed NMED of events related to the management of waste generated during demolition of Building 340 at Technical Area (TA) 16. The Permittees verbally requested a "contained in" determination from NMED during a meeting held on November 17, 2005, after debris containing F-listed hazardous waste was mixed with demolition debris resulting in approximately 3,000 cubic yards of F-listed hazardous waste. NMED understands that the Permittees moved the waste from the point of generation at TA-16 to Sigma Mesa.

Additional information regarding the mixing of waste streams must be submitted to NMED before a "contained in" determination can be made. The waste must not be moved until NMED has made its determination. The necessary information includes:



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1. A description of the nature (e.g., concrete, soil, metal, etc.) of the wastes (from the solid waste management units and demolition debris) and how they were managed on site at TA-16-340.
2. A detailed timeline regarding when the waste streams were mixed.
3. A detailed timeline regarding when the waste pile(s) were moved from TA-16-340 to Sigma Mesa.
4. Analytical results from the single composite sample collected from the concrete rubble staged at Sigma Mesa as well as any other related sample results that have not already been submitted to NMED.
5. The waste codes that are attached to the wastes generated when the sumps and ancillary structures were removed.

In addition, the Permittees must provide NMED with a plan within 15 days of receipt of this letter for installing engineering controls to cover the waste pile to minimize infiltration of precipitation and generation of fugitive dust, and also to control storm water run on/run off by diverting surface water flow away from the waste pile. At a minimum, these engineering controls must be monitored at least monthly and after every precipitation and wind event to ensure that they are functioning properly.

Please contact John Young of my staff at (505) 428-2538 if you have questions.

Sincerely,



James P. Bearzi

Chief

Hazardous Waste Bureau

JPB:jry

cc: J. Young, NMED HWB
D. Cobrain, NMED HWB
A. Vollmer, NMED DHWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
G. Turner, DOE-LASO, MS A316
D. Gregory, DOE-LASO, MS A316
K. Hargis, LANL RRES/DO, MS M591
N. Quintana, LANL RRES-RS, MS M992
D. McInroy, LANL RRES-RS, MS M992
file: Reading and LANL Permit TA-16 [Building TA-16-340, 16-003(o), 16-003(n)-99,
16-026(j2), 16-029(f)]