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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

December 30, 2008

David Gregory
Federal Project Director
Los Alamos Site Office
Department of Energy
528 35th Street, Mail Stop A316
Los Alamos, NM 87544

David McInroy
Remediation Services Deputy Project Director
Los Alamos National Laboratory
P.O. Box 1663, MS M992
Los Alamos, NM 87545

RE: **CERTIFICATE OF COMPLETION
PUEBLO CANYON AGGREGATE AREA
AREA OF CONCERN (AOC) 00-030(f)
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-08-037**

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) has received the Department of Energy (DOE) and the Los Alamos National Security I.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for One Solid Waste Management Unit and Eight Areas of Concern in the Pueblo Canyon Aggregate Area*, dated September 5, 2008. Results of the associated site investigation were presented in the *Investigation Report for Pueblo Canyon Aggregate Area, Revision 1*, dated July 2008, and referenced by LA-UR-08-4765 and EP2008-0391.

AOC 00-030(f) is a septic system consisting of two septic tanks located on private property near the United Church school building south of Canyon Road. Potential contamination at AOC 00-030(f) may have originated from either leaks from the tanks, associated drain lines, or effluent discharges from the associated outfall discharge line south of Canyon Road. During site investigation activities in 2006 and 2007, excavation of the tank and piping areas indicated portions of the tanks had been removed previously. The tanks could not be removed entirely due



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to the presence of a sidewalk and an existing retaining wall located above the tank remnants. Based on review of soil sample analytical data collected during those excavation activities, the nature and extent of contamination at the site has been defined. Evaluation of potential human health and ecological risks from the site indicates AOC 00-030(f) does not pose an unacceptable risk to human health or to ecological receptors.

AOC 00-030(f) is one of several sites proposed for inclusion in the draft National Pollutant Discharge Elimination System (NPDES) Los Alamos National Laboratory (LANL) Individual Storm Water Permit (NPDES Permit No. NM0030759). According to Table IB-3 of the LANL NPDES Individual Storm Water Permit Application, the site received a relatively high erosion index score of 79.0. In addition, preliminary data from NMED's Surface Water Quality Bureau indicates surface water has exceeded wildlife habitat water quality criteria for mercury at gauge station EO55.5, which is located down gradient and approximately 750 feet north of Canyon Road, in the south fork of Acid Canyon.

NMED has determined that the requirements of the Consent Order have been satisfied and that this site qualifies for "Corrective Action Complete With Controls" status. NMED hereby issues this certificate of completion for AOC 00-030(f) pursuant to Section VII.E.6.b of the Consent Order.

Although mercury concentrations in shallow soil down slope of AOC 00-030(f) do not exceed applicable soil screening standards, the potential exists for transport of contaminants down slope of the site via storm water. The Permittees shall therefore install permanent and appropriate storm water controls which will prevent the down gradient transport of contaminants by storm water from AOC 00-030(f). The Permittees must submit a work plan for installation of the storm water controls by February 16, 2009. The work plan shall include a description of all controls proposed for AOC 00-030(f), including a proposed inspection and reporting schedule for the controls.

The Permittees must review future surface water monitoring data from gauge station EO55.5 to identify concentration trends for mercury and other contaminants of concern. In the event future data show increasing surface water concentration trends, NMED may require the Permittees to conduct additional corrective action(s) at AOC 00-030(f). If future site conditions at AOC 00-030(f) change significantly due to activities such as additional soil removal, NMED may consider withdrawal of the control requirement.

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Please contact Daniel Comeau at (505) 476-6043, should you have any questions.

Sincerely,



James P. Bearzi
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
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File: LANL Pueblo Canyon Aggregate Area, AOC 00-030(f), 2008