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NEW MEXICO  
ENVIRONMENT DEPARTMENT

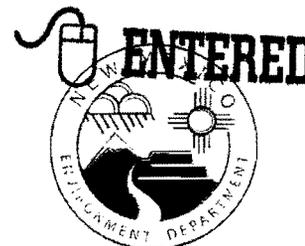
*Hazardous Waste Bureau*

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BILL RICHARDSON  
Governor

DIANE DENISH  
Lieutenant Governor



RON CURRY  
Secretary

SARAH COTTRELL  
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

April 19, 2010

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

George J. Rael  
Environmental Operations Manager  
Los Alamos Site Office  
Department of Energy  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

**RE: APPROVAL  
WORK PLAN TO PLUG AND ABANDON  
THE EXISTING DEEP-EXTRACTION BOREHOLE AS  
PART OF THE SUPPLEMENTAL SOIL-VAPOR EXTRACTION PILOT  
TEST AT MATERIAL DISPOSAL AREA G  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-08-025**

Dear Messrs. Graham and Rael:

The New Mexico Environment Department (NMED) received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Work Plan to Plug and Abandon the Existing Deep-Extraction Borehole as Part of the Supplemental Soil-Vapor Extraction Pilot Test at Material Disposal Area G* (Work Plan), dated April 2010 and referenced by LA-UR-10-1991/EP2010-0162. NMED has reviewed the Work Plan and hereby issues this Approval.

NMED's August 20, 2009 letter *Pilot Test to Evaluate Soil-Vapor Extraction at Material Disposal Area G at Technical Area 54* stated that "the Permittees must abandon the existing deep extraction borehole and propose drilling a new extraction borehole in the vicinity of the current extraction wells..." Because the shallow extraction borehole will



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be converted to a monitoring well and the Permittees will install a new extraction borehole with multiple ports (that will cover the intervals required by the August 20, 2009 letter), the Permittees' request to abandon the deep-extraction borehole is approved. The Permittees must follow Section X.D (Well Abandonment) in the March 25, 2005 Order on Consent.

Please contact Kristen Van Horn at (505) 476-6046, should you have any questions.

Sincerely,



James P. Bearzi

Chief

Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB  
K. Roberts, NMED HWB  
K. Van Horn, NMED HWB  
S. Yanicak, NMED DOE OB, MS M894  
T. Skibitski, NMED DOE OB  
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File: Reading and LANL '10, TA-54 (SWMU 54-013(b)-99)