

TA21

NEW MEXICO  
ENVIRONMENT DEPARTMENT

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**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

October 31, 2007

David Gregory  
Federal Project Director  
Los Alamos Site Office  
DOE/NNSA  
528 35<sup>th</sup> Street, Mail Stop A316  
Los Alamos, NM 87544

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

**RE: APPROVAL WITH MODIFICATIONS  
SUBSURFACE VAPOR-MONITORING PLAN FOR MDA T  
LOS ALAMOS NATIONAL LABORATORY, EPA ID #NM0890010515  
HWB-LANL-07-031**

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) is in receipt of the U.S. Department of Energy and the Los Alamos National Security, LLC's (collectively, the "Permittees") *Subsurface Vapor-Monitoring Plan for Material Disposal Area T at Technical Area 21*, dated October 2007 and referenced by LA-UR-07-7037/EP2007-0658. NMED has reviewed the document and approves the document with the following modification.

- In Section 3.1, the Permittees discuss the collection of pore gas samples from "the port nearest the lowest base elevation of the adjacent disposal unit (69-81 ft) and at TD (350-380 ft)." The Permittees also state that the "[s]ampling ports corresponding to the depths from the 2006 sampling will be available to sample for additional



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vertical resolution." NMED reminds the Permittees that, as part of the *Response to the Approval with Modifications, Phase II Investigation Work Plan*, the Permittees committed to collecting samples from the depths proposed in the Phase II Work Plan. These are the same depths as those sampled during the 2006 investigation and include all of the sampling ports that will be installed under this work plan. There are six sampling ports at location 21-25262, and five sampling ports at 21-25263 and 25264. The Permittees are required to collect vapor samples from all sampling ports for laboratory analysis as stated in the approved Phase II Work Plan.

Should you have any questions regarding this letter, please contact Darlene Goering (505) 476-6042.

Sincerely,



James P. Bearzi  
Chief  
Hazardous Waste Bureau

JPB:dxg

cc: D. Goering, NMED HWB  
S. Yanicak, NMED DOE OB, MS J993  
L. King, EPA 6PD-N  
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file: Reading and LANL '07 TA-21