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NEW MEXICO  
ENVIRONMENT DEPARTMENT

*Hazardous Waste Bureau*

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RON CURRY  
Secretary

JON GOLDSTEIN  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

January 18, 2008

David Gregory  
Federal Project Director  
Los Alamos Site Office, Department of Energy  
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 A992  
Los Alamos, NM 87545

**RE: NOTICE OF APPROVAL WITH MODIFICATION  
DRILLING WORK PLAN FOR REGIONAL MONITORING WELL AT MDA C  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL- GROUNDWATER-MISC**

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) is in receipt of the United States Department of Energy and Los Alamos National Security, LLC (collectively, the Permittees) document entitled *Drilling Work Plan for Regional Monitoring Well at MDA C* (hereafter, the Plan) dated December 2007 and referenced by LA-UR-07-8369. NMED has reviewed the Plan and hereby issues this Notice of Approval with the following modification.

As pointed out in the Plan, the purpose of this proposed regional groundwater monitoring well is to detect potential contaminant releases from MDA C. The primary contaminants present in the subsurface pore gas at MDA C include tritium and volatile organic compounds. Tritium migrates as fast as water, if not faster, in the subsurface, and therefore has been used as an indicator of groundwater contamination. To provide immediate information regarding the groundwater quality, the Permittees must therefore add tritium as an analyte when conducting groundwater screening sampling of perched zones and the regional aquifer. The Permittees must

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Messrs. Gregory and McInroy  
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complete installation of this well no later than October 31, 2008, as required in NMED's October 29, 2007 letter.

Should you have any questions or comments, please contact Hai Shen of my staff at (505) 476-6039.

Sincerely,



James P. Bearzi  
Chief  
Hazardous Waste Bureau

JPB:hs

cc: D. Cobrain, NMED HWB  
J. Young, NMED HWB  
K. Roberts, NMED HWB  
H. Shen, NMED HWB  
T. Skibitski, NMED DOE OB  
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file: Reading and LANL General (MDA C, Mortandard Canyon, Groundwater)