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Lieutenant Governor

TA50  
NEW MEXICO  
ENVIRONMENT DEPARTMENT

*Hazardous Waste Bureau*

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RON CURRY  
Secretary

SARAH COTTRELL  
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

June 4, 2010

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

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

**RE: APPROVAL WITH MODIFICATION  
DRILLING WORK PLAN FOR REGIONAL AQUIFER WELL R-60  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-MISC-GW**

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) is in receipt of the United States Department of Energy (DOE) and Los Alamos National Security, L.L.C.'s (collectively, the Permittees) document entitled *Drilling Work Plan for Regional Aquifer Well R-60* (Plan) dated June 1, 2010 and referenced by EP2010-0263.

NMED has reviewed the Plan and hereby issues this Approval with the following modification.

If perched intermediate water is encountered during drilling of well R-60, the Permittees must notify NMED by phone within one business day of each such occurrence and shall minimize the impact of bentonite and drilling fluids on the perched horizon. If NMED determines that the perched water horizon requires monitoring, the Permittees shall install an intermediate well in that horizon, either in the R-60 borehole or in a separate borehole at a nearby location approved by NMED. If the Permittees choose to install the intermediate well in the R-60 borehole, they shall include the intermediate well in the proposed design for R-60. If the Permittees choose to install the intermediate well in a



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separate borehole. they shall submit a drilling work plan for the intermediate well to NMED no later than 30 days after the completion of R-60.

Should you have any questions, please contact Jerzy Kulis of my staff at (505) 476-6039.

Sincerely,



James P. Bearzi

Chief

Hazardous Waste Bureau

BRZ;jk

cc: D. Cobrain, NMED HWB  
K. Roberts, NMED HWB  
J. Kulis, NMED HWB  
M. Dale, NMED HWB  
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File + Reading: LANL '10, TA-50