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Deputy Secretary

Reading file
mailed
3.17.11
cm

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

March 18, 2011

George J. Rael
Assistant Manager
U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Rd, MSA316
Los Alamos, NM 87544

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

**RE: APPROVAL WITH MODIFICATIONS
DRILLING WORK PLAN FOR REGIONAL AQUIFER WELLS
MW-14 (R-64) AND MW-10 (R-65)
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 Wells MW-14 (R-64) and MW-10 (R-65) (Plan)* dated January 14, 2011 and referenced by EP2011-0009.

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

1. If intermediate groundwater is encountered during drilling of either regional well R-64 or R-65, in each case notify NMED by phone within one business day of each such occurrence. If NMED determines that the intermediate zone(s) requires monitoring, submit a drilling work plan for the installation of an intermediate well

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at a nearby location no later than 30 days after the completion of the well in which the intermediate groundwater was observed.

2. Collect a minimum of eight time-series groundwater samples during the purge-pumping stage of development of wells R-64 and R-65. The groundwater samples must be analyzed for total organic carbon, dissolved major ions and trace metals. These data will confirm the sufficiency of the development of each well, better define impacts from drilling and drilling fluids, and establish a baseline for sample quality and representativeness.

Regional well R-64 must be completed by **July 15, 2011**, as proposed in the Plan. The final drilling location for R-65 must be determined within one month of completing R-64. Well R-65 must be completed no later than **September 30, 2011**.

Should you have any questions or comments, please contact Michael Dale at (505) 661-2673.

Sincerely,



James P. Bearzi
Chief
Hazardous Waste Bureau

cc: J. Kieling, NMED HWB
D. Cobrain, NMED HWB
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File: Reading and LANL 2011 – Drilling Work Plan for Regional Wells R-64 and R-65 EP2011-0009
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