



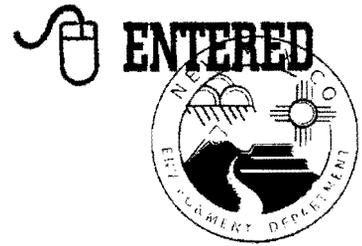
BILL RICHARDSON
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DIANE DENISH
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NEW MEXICO
ENVIRONMENT DEPARTMENT

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RON CURRY
Secretary

SARAH COTTRELL
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 20, 2010

George J. Rael
Environmental Operations Manager
Los Alamos Site Office
Department of Energy
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Los Alamos, NM 87544

Michael Graham
Associate Director Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS 991
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATIONS
HYDROLOGIC TESTING WORK PLAN
CONSOLIDATED UNIT 16-021(c)-99
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 the Los Alamos National Security, L.L.C.'s (collectively, the Permittees) document entitled *Hydrologic Testing Work Plan for Consolidated Unit 16-021(c)-99* (Plan) dated February 1, 2010 and referenced by EP2010-0019.

Pursuant to Section III.M.2 of the March 1, 2005 Order on Consent (Order), NMED has reviewed the Plan and hereby issues this approval with the following modifications.

1. **Section 3.2, Test Well Location and Design, page 6:**

With respect to the drilling and installation of the proposed deep-intermediate well CdV-16-4ip, the Permittees must adhere to the requirements outlined in NMED's approval with modifications letter for the *Drilling Work Plan for Perched-Intermediate Pumping Well CdV-16-4ip* dated May 14, 2010.



2. **Section 3.4, Tracer Test, page 8:**

The Permittees must submit a work plan that, at a minimum, proposes the objectives, scope of activities and schedule for the proposed tracer test. The work plan must be submitted to NMED no later than **June 15, 2010**.

3. **Section 5. Schedule, page 9:**

The Permittees must provide a schedule for the proposed pumping test. The schedule must be included in the Tracer Test Work Plan referenced in Comment # 2.

4. **Figure 1.1-1, Locations of wells in the vicinity of TA-16, page 16:**

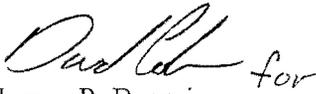
Figure 1.1-1 locates intermediate well CdV-37-1(i) at the confluence of Fish Ladder Canyon (informally named) and Cañon de Valle, which is not accurate. The well is located in Water Canyon just east of the confluence of Cañon de Valle. This must be corrected in future work plans and reports. No revision to the Plan is necessary.

Nothing in this letter shall be construed as an abrogation of NMED's rights to pursue enforcement actions against the Permittees for failure to comply with the requirements of the Order.

Messrs. Rael and Graham
May 20, 2010
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Should you have any questions, please contact Michael Dale of my staff at (505) 661-2673.

Sincerely,


James P. Bearzi
Chief
Hazardous Waste Bureau

JPB:md

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File: '10 Reading and LANL Groundwater General, Hydrologic Testing Work Plan for 16-021(c)-99