



SUSANA MARTINEZ  
Governor

JOHN A. SANCHEZ  
Lieutenant Governor

**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

***Hazardous Waste Bureau***

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ERID-521802



DAVE MARTIN  
Secretary

BUTCH TONGATE  
Deputy Secretary

THOMAS SKIBITSKI  
Acting Director  
Resource Protection Division

EP2013-5015

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

January 11, 2013

Peter Maggiore  
Assistant Manager, Env. Projects Office  
Los Alamos Site Office, DOE  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

Jeffrey D. Mousseau  
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  
WORK PLAN TO RECONFIGURE WELL CdV-R-37-2  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID#NM0890010515  
HWB-LANL-12-022**

Dear Messrs Maggiore and Mousseau:

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 *Work Plan to Reconfigure Well CdV-R-37-2* (Plan) dated November 27, 2012 and referenced by EP2012-0257.

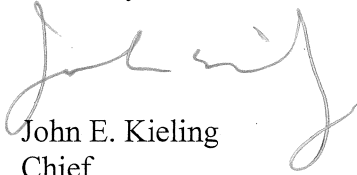
NMED has reviewed the Plan and hereby issues this approval with the following modifications.

1. In order to monitor contamination at the regional aquifer water table at well CdV-R-37-2, the Permittees must install a single-pump sampling system at screen 2. Screen 3 must be isolated from screen 2 by installing two packers between these screens, with the upper packer made of inert material (e.g., silicone rubber, Viton<sup>®</sup> or similar monitoring-grade material). Below screen 3, cement must be placed from 1445 feet (ft) below ground surface (bgs), as proposed in the Plan, to the bottom of the well at 1587 ft bgs.

2. After reconfiguring the well, the Permittees must redevelop screen 2 by swabbing and pumping a sufficient volume of groundwater to remove any mixed water and any foreign material (e.g., sediment, cement derived from grouting deeper screens), and to increase the likelihood of obtaining representative groundwater samples from the upper portion of the regional aquifer at screen 2.

The Permittees must complete the reconfiguration of well CdV-R-37-2 no later than June 30, 2013 and submit a summary report of reconfiguration activities no later than **August 31, 2013**. Should you have any questions, please contact Michael Dale of my staff at (505) 661-2673.

Sincerely,



John E. Kieling  
Chief  
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB  
N. Dhawan, NMED HWB  
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W. Woodworth, DOE-LASO, MS A316

File: Reading and LANL 2012, Work Plan Reconfigure Well CdV-R-37-2