



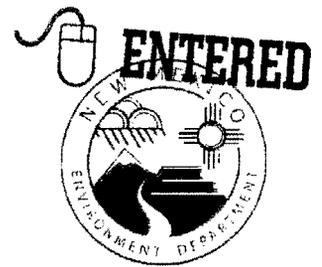
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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

June 15, 2010

George J. Rael  
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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  
WORK PLAN TO CONDUCT RELIABILITY ASSESSMENT OF  
MULTISCREENED WESTBAY WELLS  
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 *Work Plan to Conduct Reliability Assessment of MultiScreened Westbay Wells* (Plan), dated May 27, 2010 and referenced by EP2010-0233.

NMED hereby approves the Plan with the following modifications.

1. In NMED's April 16, 2010 letter (*Approval with Direction of Request for Extension to Submit a Work Plan to Conduct a Reliability Assessment of Multiscreened Westbay Wells*), the Permittees were required to assess all screens in monitoring wells CdV-R-15-3, CdV-R-37-2, and R-26. The Plan does not include the assessment of R-26 screen 2. If rehabilitated, R-26 screen 2 could potentially serve as an upgradient regional aquifer background well for Consolidated Unit 16-021(c)-99. The Permittees must incorporate R-26 screen 2 into the assessment.

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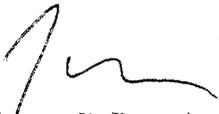
2. The Permittees must conduct rigorous redevelopment of CdV-R-15-3 screen 4 and CdV-R-37-2 screen 2. After swabbing and pumping, which are proposed in the Plan, the Permittees must jet the well screens with contaminant-and tritium-free local regional groundwater while simultaneously pumping the screens. Water quality samples must be collected and tested for the analytical suite presented in Table 4.1-1 of the Plan, at the midpoint of swabbing and pumping, at the end of swabbing and pumping, and at the end of jetting and pumping.
3. In addition to water quality samples, the Permittees must collect supplementary unfiltered sample aliquots during purging and redevelopment of CdV-R-15-3 screen 4 and CdV-R-37-2 screen 2 in order to determine the amount and composition of solids removed from the well screen, filter pack, and/or formation. At each screen, the Permittees must collect a minimum of four samples for solids determination during purging, a minimum of four samples during swabbing and pumping, and a minimum of two samples during jetting and pumping. Solids obtained from each sample must be analyzed for mineralogy and trace elements.
4. The Permittees must add total alkalinity to the list of field parameters collected during all purging and redevelopment activities.
5. All laboratory data collected by the Permittees must be submitted to NMED within **60 days** of sample collection. All field data must be submitted to NMED within **15 days** of collection. Data submittals must be in the form of two paper copies and one electronic copy in accordance with Section XIA of the March 1, 2005 Order on Consent (Order).

The Permittees must submit a report with results of the study and recommendations for future actions to NMED no later than **April 11, 2011**.

Messrs. Rael and Graham  
June 15, 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

BRZ:md

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File: '10 Reading and LANL Groundwater General