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*National Nuclear Security Administration*  
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Date: **SEP 27 2010**  
Refer To: EP2010-0381

James Bearzi, Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303

**Subject: Review of August 2010 Groundwater Data**

Dear Mr. Bearzi:

Members of the Los Alamos National Laboratory Environmental Programs staff met on September 15, 2010, to review new groundwater data received in August 2010. At that time, several groundwater samples were identified with contaminant concentrations above the New Mexico or federal water quality standards.

An Environmental Programs staff member notified the New Mexico Environment Department Hazardous Waste Bureau about these findings by telephone on September 15, 2010, and followed up with an email on the same day.

The three instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. These instances are the following:

- Methylene chloride was found in a filtered sample at Mortandad Canyon intermediate well MCOI-5 at 6.97  $\mu\text{g/L}$ ; the U.S Environmental Protection Agency maximum contaminant level is 5  $\mu\text{g/L}$ .
- Iron and manganese were found in a filtered sample at Pajarito Canyon regional aquifer well R-54 at 1940  $\mu\text{g/L}$  and 216  $\mu\text{g/L}$ , respectively; the respective New Mexico Groundwater Standards are 1000  $\mu\text{g/L}$  and 200  $\mu\text{g/L}$ .

This letter is our written submission that meets notification requirements laid out in Section IV.A.3.g of the Compliance Order on Consent, modified on May 13, 2008. The required information for the chemical constituents that meet the seven screening criteria contained in that section is given in the accompanying report and tables.

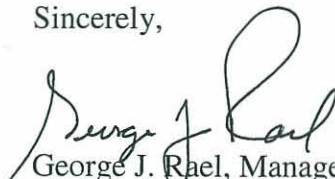
If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hshen@doeal.gov).

Sincerely,



Michael J. Graham, Associate Director  
Environmental Programs  
Los Alamos National Laboratory

Sincerely,



George J. Rael, Manager  
Environmental Projects Office  
Los Alamos Site Office

MG/GR/DM/SP/DR:sm

Enclosure: Two hard copies with electronic files – Summary of New Los Alamos National Laboratory Groundwater Data Loaded in August 2010 (LA-UR-10-6161)

Cy: (w/enc.)

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Ed Worth, DOE-LASO, MS A316  
Steve Paris, EP-CAP, MS M992  
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Laurie King, EPA Region 6, Dallas, TX  
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Pete Padilla, Los Alamos County Utility Department, Los Alamos, NM  
Tom Skibitski, NMED-OB, Santa Fe, NM  
Annette Russell, DOE-LASO (date-stamped letter emailed)  
David Rogers, EP-ET-DO, MS M992  
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