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**NOV 20 2009**

*Date:*

*Refer To:* EP2009-0610

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 October 2009 Groundwater Data**

Dear Mr. Bearzi:

The Los Alamos National Laboratory (LANL) Water Stewardship Project (LWSP) met on November 16, 2009, to review new groundwater data received in October 2009. At that time, one groundwater sample was identified with contaminant concentrations above the New Mexico or federal water quality standards.

The LWSP program manager notified the New Mexico Environment Department (NMED) Hazardous Waste Bureau about these findings by telephone on November 17, 2009, and followed up with an email on the same day.

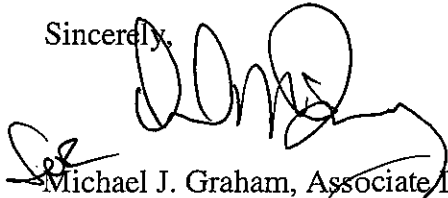
The 1 instance of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) is tabulated in the attached report. This instance was the following:

- Iron was found in a filtered sample collected from Pajarito Canyon intermediate monitoring well R-40 at 1320  $\mu\text{g/L}$ ; the New Mexico Groundwater Standard is 1000  $\mu\text{g/L}$ .

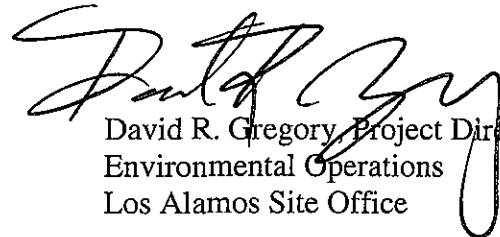
This letter is our written submission that indicates in the accompanying report and tables the chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent, modified on May 13, 2008.

If you have questions, please contact Ardyth Simmons at (505) 665-3935 (asimmons@lanl.gov) or David Gregory at (505) 667-5808 (dgregory@doeal.gov).

Sincerely,

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

Sincerely,

  
David R. Gregory, Project Director  
Environmental Operations  
Los Alamos Site Office

MG/DG/AS/DR:sm

Enclosure: Two hard copies with electronic files – Summary of New Los Alamos National Laboratory Groundwater Data Loaded in October 2009 (LA-UR-09-7268)

Cy: (w/enc.)

Neil Weber, San Ildefonso Pueblo  
Hai Shen, DOE-LASO, MS A316  
RPF, MS M707 (with two CDs)  
Public Reading Room, MS M992

Cy: (Letter and CD only)

Laurie King, EPA Region 6, Dallas, TX  
Steve Yanicak, NMED-DOE-OB, MS M894  
Ardyth Simmons, EP-LWSP, MS M992  
Kristine Smeltz, EP-WES, MS M992

Cy: (w/o enc.)

Pete Padilla, Los Alamos County Utility Department  
Annette Russell, DOE-LASO (date-stamped letter emailed)  
Tom Skibitski, NMED-OB, Santa Fe, NM  
Michael J. Graham, ADEP, MS M991  
David Rogers, EP-LWSP, MS M992  
Mei Ding, EES-6, MS J514  
IRM-RMMSO, MS A150 (date-stamped letter emailed)