



Environmental Programs
P.O. Box 1663, MS M991
Los Alamos, New Mexico 87545
(505) 606-2337/FAX (505) 665-1812



National Nuclear Security Administration
Los Alamos Site Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-4255/FAX (505) 606-2132

Date: MAR 29 2010
Refer To: EP2010-0121

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 February 2010 Groundwater Data

Dear Mr. Bearzi:

Members of the Los Alamos National Laboratory (LANL) Environmental Programs staff met on March 15, 2010, to review new groundwater data received in February 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 (NMED) Hazardous Waste Bureau about these findings by telephone on March 15, 2010, and followed up with an email on the same day.

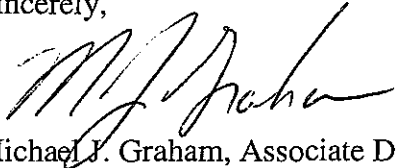
The attached report contains a fluoride result that is the highest measured instance at one of the monitoring locations. In addition, two instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. These two instances include the following:

- Total cyanide was found in an unfiltered sample collected from Sandia Canyon intermediate monitoring well SCI-2 at 0.304 mg/L; the EPA MCL is 0.2 mg/L.
- Manganese was found in a filtered sample collected from an intermediate groundwater monitoring port at Pajarito Canyon well R-40 at 400 µg/L; the NM Groundwater Standard is 200 µg/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/DM/SM/DR:sm

Enclosure: Two hard copies with electronic files – Summary of New Los Alamos National Laboratory Groundwater Data Loaded in February 2010 (LA-UR-10-1360)

Cy: (w/enc.)
Neil Weber, San Ildefonso Pueblo
Hai Shen, DOE-LASO, MS A316
Steve Paris, EP-CAP, MS M992
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-ET-DO, MS M992
Kristine Smeltz, EP-WES, MS M992

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