



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: JUL 22 2010
Refer To: EP2010-0288



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 June 2010 Groundwater Data

Dear Mr. Bearzi:

Members of the Los Alamos National Laboratory Environmental Programs staff met on July 8, 2010, to review new groundwater data received in June 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 July 8, 2010, and followed up with an email on the same day.

The 10 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:

- Aluminum was found in a filtered sample at Cañon de Valle alluvial well CDV-16-02655 at 23,700 $\mu\text{g/L}$; the New Mexico (NM) groundwater standard is 5000 $\mu\text{g/L}$.
- Beryllium was found in an unfiltered sample at Cañon de Valle alluvial well CDV-16-02655 at 4.01 $\mu\text{g/L}$; the U.S Environmental Protection Agency (EPA) maximum contaminant level (MCL) is 4 $\mu\text{g/L}$.
- Lead was found in an unfiltered sample at Cañon de Valle alluvial well CDV-16-02655 at 19 $\mu\text{g/L}$; the EPA drinking water system action level is 15 $\mu\text{g/L}$.
- Boron was found in a filtered sample at Martin Spring Canyon alluvial well MSC-16-06293 at 929 $\mu\text{g/L}$; the NM groundwater standard is 750 $\mu\text{g/L}$.
- Iron was found in filtered samples at Water Canyon intermediate locations CDV-5.0 Spring, Fish Ladder Spring, and Water Canyon Gallery at 1380 $\mu\text{g/L}$, 2340 $\mu\text{g/L}$, and 1500 $\mu\text{g/L}$, respectively; the NM groundwater standard is 1000 $\mu\text{g/L}$.
- Barium was found in a filtered sample at Water Canyon intermediate location Peter Spring at 2010 $\mu\text{g/L}$; the NM groundwater standard is 1000 $\mu\text{g/L}$.

- Lead was found in an unfiltered sample at Ancho Canyon regional aquifer well Test Well DT-9 at 20.1 $\mu\text{g/L}$; the EPA drinking water system action level is 15 $\mu\text{g/L}$.
- Iron was found in a filtered sample at White Rock Canyon regional aquifer Spring 4C at 1280 $\mu\text{g/L}$; the NM groundwater standard is 1000 $\mu\text{g/L}$.

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.

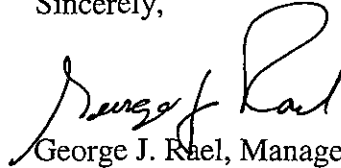
If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hshen@doeal.gov).

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 June 2010 (LA-UR-10-3970)

Cy: (w/enc.)

Neil Weber, San Ildefonso Pueblo, NM
Hai Shen, DOE-LASO, MS A316
Ed Worth, DOE-LASO, MS A316
Steve Paris, EP-CAP, MS M992
Jake Meadows, ENV-RCRA, MS K490
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-OB, White Rock, NM
Ardyth Simmons, EP-ET-DO, MS M992
Kristine Smeltz, EP-BPS, MS M992

Cy: (w/o enc.)

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
Mei Ding, EES-6, MS J514
Michael J. Graham, ADEP, MS M991