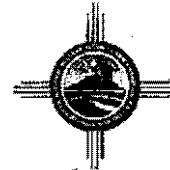
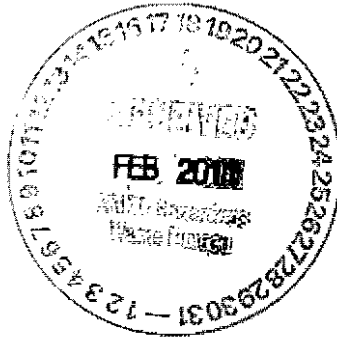




Environmental Programs
P.O. Box 1663, MS M991
Los Alamos, New Mexico 87545
(505) 606-2337/FAX (505) 665-1812



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: **FEB 18 2011**
Refer To: EP2011-0079

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 January 2011 Groundwater Data

Dear Mr. Bearzi:

Members of the Los Alamos National Laboratory Environmental Programs staff met on February 14, 2011, to review new groundwater data received in January 2011. 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 February 14, 2011, and followed up with an email on the same day.

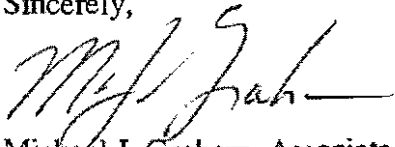
The five instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. These instances are the following:

- Iron was found in a filtered sample from Sandia Canyon alluvial groundwater well SCA-1-DP at 2150 $\mu\text{g/L}$; the New Mexico Groundwater Standard is 1000 $\mu\text{g/L}$.
- Two Aroclors (1254 and 1242) were detected in an unfiltered field duplicate sample (but not the primary sample) from the 1237-ft regional aquifer screen in Mortandad Canyon well R-16. The respective concentrations were 2.1 $\mu\text{g/L}$ and 1.1 $\mu\text{g/L}$; the U.S. Environmental Protection Agency maximum contaminant level for both compounds is 0.5 $\mu\text{g/L}$.
- Manganese was found in primary and field duplicate filtered samples from Sacred Spring on San Ildefonso Pueblo at 424 $\mu\text{g/L}$ and 402 $\mu\text{g/L}$; the New Mexico Groundwater Standard is 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.

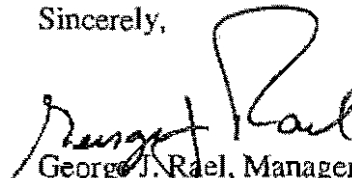
If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hshen@doeal.gov).

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 January 2011 (LA-UR-11-0939)

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, MS M992
William Alexander, 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 (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
David Rogers, EP-ET, MS M992 (date-stamped letter emailed)
Mei Ding, EES-6, MS J514 (date-stamped letter emailed)
Craig Douglass, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)