

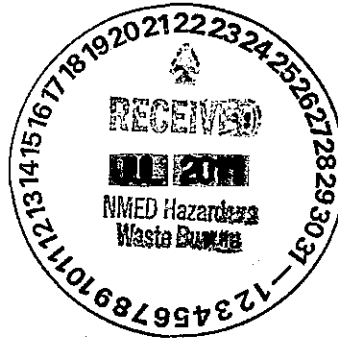


National Nuclear Security Administration
 Los Alamos Site Office, MS A316
 Environmental Restoration Program
 Los Alamos, New Mexico 87544
 (505) 667-4255/FAX (505) 606-2132

Date: JUL 22 2011
 Refer To: EP2011-0212



Los Alamos
 NATIONAL LABORATORY
 EST. 1943
Environmental Programs
 P.O. Box 1663, MS M991
 Los Alamos, New Mexico 87545
 (505) 606-2337/FAX (505) 665-1812



John Kieling, Acting 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 2011 Groundwater Data

Dear Mr. Kieling:

Members of the Los Alamos National Laboratory Environmental Programs staff met on July 14, 2011, to review new groundwater data received in June 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 email on July 18, 2011, and followed up with a phone call (voice message).

The eight 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:

- Manganese was found in several filtered samples collected on May 3, 2011, from the 1640-ft regional aquifer port of Water Canyon well CdV-R-15-3 at concentrations ranging from 206 $\mu\text{g/L}$ to 223 $\mu\text{g/L}$; the New Mexico groundwater standard is 200 $\mu\text{g/L}$. These samples were collected as part of a Westbay evaluation study and are consistent with higher results from earlier samples.
- RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine) was found in unfiltered samples collected on April 20, 2010, at 96.5 $\mu\text{g/L}$ and on July 22, 2010, at 16.1 $\mu\text{g/L}$ from Water Canyon intermediate well 16-26644; the U.S. Environmental Protection Agency tap water screening level is 6.1 $\mu\text{g/L}$. RDX results from this well have declined to about 2.9 $\mu\text{g/L}$ in samples collected on March 2, 2011. This well was not part of the 2010 Interim Facility-Wide Groundwater Monitoring Plan (and therefore, the data are not included under the Compliance Order on Consent) but will be included in the 2011 plan.

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, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

MG/GR/CD/SP/DR:sm

Enclosure: Two hard copies with electronic files – Summary of New Los Alamos National Laboratory Groundwater Data Loaded in June 2011 (LA-UR-11-3835)

Cy: (w/enc.)

Neil Weber, San Ildefonso Pueblo, NM
Hai Shen, DOE-LASO, MS A316
Steve Paris, EP-CAP, MS M992
RPF, MS M707 (electronic copy)
Public Reading Room, MS M992 (hard copy)

Cy: (Letter and CD/DVD only)

Laurie King, EPA Region 6, Dallas, TX
Ed Worth, DOE-LASO, MS A316
Jake Meadows, ENV-RCRA, MS K490
Steve Yanicak, NMED-OB, MS M894
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)
Ardyth Simmons, EP-ET, MS M992 (date-stamped letter emailed)
Craig Douglass, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)