ERID-234887

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

RECEIVED
JAN 2013
NMED Hazardous Waste Bureau

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: JAN 22 2013
Refer To: EP2013-0001

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Review of December 2012 Groundwater Data

Dear Mr. Kieling:

This letter is Los Alamos National Laboratory's (LANL's) written submission that meets notification requirements presented in Section IV.A.3.g, Notification, of the Compliance Order on Consent. Members of LANL's Environmental Programs met on January 10, 2013, to review new groundwater data received in December 2012.

One-Day Notification

One groundwater sample was identified with contaminant concentrations above the New Mexico Water Quality Control Commission (NMWQCC) or federal water quality standards for the first time (based on samples collected since June 14, 2007).

- A September 24, 2012, sample from White Rock Canyon regional aquifer Spring 2 on San Ildefonso Pueblo land contained manganese in a filtered sample at 203 µg/L, above the 200-µg/L NMWQCC groundwater standard. The filtered manganese concentrations in samples collected at this spring have steadily increased from 10 µg/L in 2009.

In addition, the November 24, 2012, sample from regional aquifer screen 1 at R-43 in Sandia Canyon had a filtered chromium concentration of 49.6 µg/L, just below the 50-µg/L NMWQCC groundwater standard. This is the highest measurement at the screen. The filtered chromium concentrations in samples collected at this screen have increased from about 4 µg/L in 2011.

An Environmental Programs staff member notified the New Mexico Environment Department Hazardous Waste Bureau of the results with a phone call (voice message) within one business day of the meeting and followed up the call with an email.

Fifteen-Day Notification
The required information for the contaminants and other chemical parameters that meet the seven reporting criteria requiring written notification within fifteen days is given in the accompanying report and table.

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

Sincerely,

Jeff Mousseau, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

JM/PM/CD/SP/DR:sm

Enclosure: Two hard copies with electronic files – Summary of New Los Alamos National Laboratory Groundwater Data Loaded in December 2012 (LA-UR-13-20225)

Cy: (w/enc.)
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
Steve Rydeen, San Ildefonso Pueblo, NM
Joe Chavarria, Santa Clara Pueblo, NM
Ed Worth, DOE-LASO, MS A316
Jake Meadows, ENV-RCRA, MS K490
Steve Yanicak, NMED-OB, MS M894
Wendy Staples, 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)
lasomailbox@nnsa.doe.gov (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
David Rogers, EP-ET (date-stamped letter emailed)
Mei Ding, EES-6 (date-stamped letter emailed)
Craig Douglass, EP-CAP (date-stamped letter emailed)
Jeff Mousseau, ADEP (date-stamped letter emailed)