

**Environmental Programs**

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**National Nuclear Security Administration**  
 Los Alamos Site Office, MS A316  
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Date: **AUG 20 2012**  
 Refer To: EP2012-0182

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 July 2012 Groundwater Data**

Dear Mr. Kieling:



Members of the Los Alamos National Laboratory Environmental Programs staff met on August 13, 2012, to review new groundwater data received in July 2012. At that time, several groundwater samples were identified with contaminant concentrations above the New Mexico Water Quality Control Commission 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 August 13, 2012, and followed up with a phone call (voice message) on the same day.

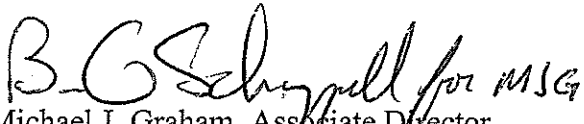
The one instance of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) is tabulated in the attached report. This instance is the following.

- An April 9, 2012, filtered sample from Lower Los Alamos Canyon alluvial well LLAO-4 in San Ildefonso Pueblo contained lead at 23.2  $\mu\text{g/L}$ , above the 15- $\mu\text{g/L}$  U.S. Environmental Protection Agency drinking water action level. There is only one earlier detection of lead in either a filtered or unfiltered sample since 1996 at this location. Samples had a low turbidity of 0.24 nephelometric turbidity units.


This letter is our written submission that meets notification requirements laid out in Section IV.A.3.g of the Compliance Order on Consent. The required information for the contaminants and other chemical parameters that meet the seven screening criteria contained in that section 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,

  
Michael J. Graham, Associate Director  
Environmental Programs  
Los Alamos National Laboratory

Sincerely,

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

MG/PM/CD/SP/DR:sm

Enclosure: Two hard copies with electronic files -- Summary of New Los Alamos National Laboratory Groundwater Data Loaded in July 2012 (LA-UR-12-24100)

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  
Jake Chavarria, Santa Clara Pueblo, NM  
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)  
Craig Douglass, EP-CAP, MS M992 (date-stamped letter emailed)  
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)