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National Nuclear Security Administration
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Date: AUG 19 2010
Refer To: EP2010-0327

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 July 2010 Groundwater Data

Dear Mr. Bearzi:

Members of the Los Alamos National Laboratory Environmental Programs staff met on August 12, 2010, to review new groundwater data received in July 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 August 13, 2010, and followed up with an email on the same day.

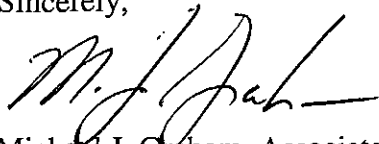
The five instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. These instances are the following:

- Benzo(a)pyrene was found in an unfiltered field duplicate sample at Mortandad Canyon intermediate well MCOI-6 at 0.245 $\mu\text{g/L}$ (but not detected in the primary sample); the U.S. Environmental Protection Agency (EPA) maximum contaminant level (MCL) is 0.2 $\mu\text{g/L}$.
- Chloride was found in a filtered sample at Pajarito Canyon alluvial well PCAO-9 at 590 mg/L; the New Mexico Groundwater Standard is 250 mg/L.
- A total dissolved solids concentration of 1740 mg/L was found in a filtered sample at Pajarito Canyon alluvial well PCAO-9; the New Mexico Groundwater Standard is 1000 mg/L.
- Antimony was found in filtered and unfiltered samples at Pajarito Canyon intermediate well R-40 at 8.64 $\mu\text{g/L}$ and 8.27 $\mu\text{g/L}$, respectively; the EPA MCL is 6 $\mu\text{g/L}$.

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.

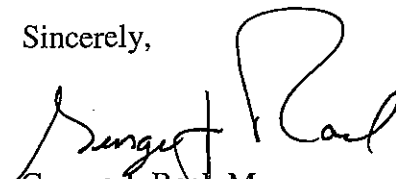
If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hshen@doeal.gov).

Sincerely,



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

Sincerely,



George J. Rae, 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 July 2010 (LA-UR-10-4821)

Cy: (w/enc.)

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