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National Nuclear Security Administration
Los Alamos Site Office, MS A316
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Date: June 29, 2009
Refer To: EP2009-0289

James P. 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 May 2009 Groundwater Data

Dear Mr. Bearzi:

The Los Alamos National Laboratory (LANL) Water Stewardship Project (LWSP) met on June 15, 2009, to review new groundwater data received in May 2009. At that time, several groundwater samples were identified with contaminant concentrations above the New Mexico or federal water quality standards.

The LWSP program manager notified the New Mexico Environment Department (NMED) Hazardous Waste Bureau about these findings by telephone on June 15, 2009, and followed up with an email on the same day.

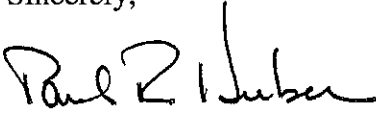
The two instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. None of the samples collected at these locations before June 14, 2007, contained the same contaminants at concentrations above a standard.

- Lead was detected in an unfiltered sample collected from Water Canyon alluvial groundwater monitoring well FLC-16-25280 at 18.6 $\mu\text{g/L}$; the U.S. Environmental Protection Agency (EPA) drinking water system action level is 15 $\mu\text{g/L}$.
- Bis(2-ethylhexyl)phthalate was detected at 6.58 $\mu\text{g/L}$ collected from Water Canyon alluvial groundwater monitoring well MSC-16-06293; the EPA maximum contaminant level is 6 $\mu\text{g/L}$.

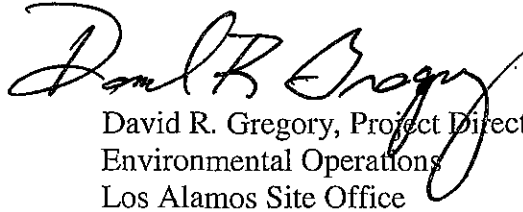
This letter is our written submission that indicates in the accompanying report and tables the chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent, modified on May 13, 2008. The report identifies data collected since June 14, 2007, that meet these criteria.

If you have questions, please contact Ardyth Simmons at (505) 665-3935 (asimmons@lanl.gov) or David Gregory at (505) 667-5808 (dgregory@doeal.gov).

Sincerely,


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

Sincerely,


David R. Gregory, Project Director
Environmental Operations
Los Alamos Site Office

MG/DG/PH/AS/DR:sm

Enclosure: Report and accompanying tables: "Summary of New Los Alamos National Laboratory Groundwater Data Loaded in May 2009" (LA-UR-09-3840)

Cy: (w/enc.)

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David Rogers, EP-LWSP, MS M992
RPF, MS M707 (with two CDs)
Public Reading Room, MS M992

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Ardyth Simmons, EP-LWSP, MS M992
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Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-OB, White Rock, NM
Tom Skibitski, NMED-OB, Santa Fe, NM
Keyana DeAguero, DOE-LASO (date-stamped letter emailed)
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IRM-RMMSO, MS A150 (date-stamped letter emailed)