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Date: **MAY 24 2011**
Refer To: EP2011-0154

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 April 2011 Groundwater Data

Dear Mr. Kieling:

Members of the Los Alamos National Laboratory (the Laboratory) Environmental Programs staff met on May 12, 2011, to review new groundwater data received in April 2011. At that time, no new groundwater samples were identified with contaminant concentrations above the New Mexico or federal water quality standards (based on samples collected since June 14, 2007).

This letter is our written submission that meets the 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.

On a related topic, the Laboratory has identified and is addressing a software error that prevented some previous values from being reported under screening criteria 5 and 6. These two criteria identify cases where concentrations either appear above background for three sampling events or increase in concentration over three sampling events. Because of the error, the filtered chromium results from November 2010 and February 2011 for wells R-28 and R-42 were not included under criterion 5 in recent reports. The recent filtered chromium results from these two wells are given in the following table.

Table 1. Recent Filtered Chromium Results from Wells R-28 and R-42

Location	Sample Date	Result	Lab Qualifier	MDL	Unit
R-28	07/14/10	<558	R ^a	50	µg/L
R-28	07/14/10	472	— ^b	25	µg/L
R-28	11/10/10	402	E ^c	2.5	µg/L
R-28	02/14/11	356	E	2	µg/L
R-42	07/13/10	<1240	R	50	µg/L
R-42	07/13/10	1060	—	50	µg/L
R-42	11/10/10	995	E	2.5	µg/L
R-42	02/18/11	929	E	2	µg/L


^a R = The reported sample result is classified as rejected because of serious noncompliances regarding quality control acceptance criteria.

^b — = No qualifier.


^c E = The serial dilution was exceeded.

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, 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 April 2011 (LA-UR-11-2182)

Cy: (w/enc.)

Neil Weber, San Ildefonso Pueblo, NM
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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)
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