



Environmental Programs
P.O. Box 1663, MS M991
Los Alamos, New Mexico 87545
(505) 606-2337/FAX (505) 665-1812



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: **APR 27 2012**
Refer To: EP2012-0089

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: Submittal of the Work Plan for Direct Current Resistivity Profiling in Cañon de Valle

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Work Plan for Direct Current Resistivity Profiling in Cañon de Valle.

In the "Approval with Modification Hydrologic Testing Report for Consolidated Unit 16-021(c)-99, LANL," dated December 27, 2011, the New Mexico Environment Department requested that Los Alamos National Laboratory evaluate the need to conduct geophysics surveys at Technical Area 16 (TA-16) and submit a geophysics work plan by April 30, 2012, if such a survey was warranted to support hydrogeologic investigations for TA-16. The attached work plan focuses on the geophysical technique of direct current resistivity profiling, which was determined to be most likely to provide information on deep-perched groundwater at TA-16.

If you have any questions, please contact John McCann at (505) 665-1091 (jmccann@lanl.gov) or Woody Woodworth at (505) 665-5820 (lance.woodworth@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/DM/JM:sm

Enclosures: Two hard copies with electronic files – Work Plan for Direct Current Resistivity Profiling in Cañon de Valle (LA-UR-12-20546)

Cy: (w/enc.)
Woody Woodworth, DOE-LASO, MS A316
John McCann, EP-CAP, MS M992
Public Reading Room, MS M992 (hard copy)
RPF, MS M707 (electronic copy)

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Neil Weber, San Ildefonso Pueblo
Joe Chavarria, Santa Clara Pueblo
Steve Yanicak, NMED-DOE-OB, MS M894
Don Hickmott, EES-DO, MS D462 (w/ MS Word files on CD)
William Alexander, EP-BPS, MS M992

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
Dave McInroy, EP-CAP, MS M996 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)