



Environmental Programs
 P.O. Box 1663, MS J591
 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) 667-5948

Date: September 14, 2007
Refer To: EP2007-0542

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: Submittal of the Fate and Transport Modeling Report for Chromium Contamination from Sandia Canyon

Dear Mr. Bearzi:

Enclosed please find two hard copies with electronic files of the "Fate and Transport Modeling Report for Chromium Contamination Originating from Sandia Canyon." The report is being submitted pursuant to a requirement of the New Mexico Environment Department's (NMED's) March 5, 2007, approval with direction of the Sandia Canyon and Cañada del Buey investigation work plan addendum. The addendum was resubmitted on April 6, 2007, and included changes made following from NMED's approval with direction.

This report advances the Los Alamos National Laboratory's current conceptual understanding of the fate and transport of chromium (and related) contaminants from the suspected source in upper Sandia Canyon to the regional groundwater. This model along with other information will guide the next phase of the Sandia Canyon (chromium) investigation to further understand the nature and extent of contamination and chromium behavior and to better inform future decisions. Recommendations for the next investigation phase are included in this report.

If you have any questions, please contact Danny Katzman at (505) 667-6333 (katzman@lanl.gov) or Mat Johansen at (505) 665-5046 (mjohansen@doeal.gov).

Sincerely,

Susan G. Stiger, Associate Director
 Environmental Programs
 Los Alamos National Laboratory

Sincerely,

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

SGS/DRG/TBA/DK:sm

Enclosures: 1) Two hard copies with electronic files - Fate and Transport Modeling Report for Chromium Contamination from Sandia Canyon (EP2007-0542)

Cy: (w/enc.)
Neil Weber, San Ildefonso Pueblo
Mat Johansen, DOE-LASO, MS A316
Danny Katzman, EP-LWSP, MS M992 (plus 20 copies)
EP-LWSP File, MS M992
RPF, MS M707 (with two CDs)
Public Reading Room, MS M992

Cy: (Letter and CD only)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-OB, White Rock, NM
Peggy Reneau, EP-ERSS, MS M992

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM
Bonita Eichorst, DOE-LASO (date-stamped letter emailed)
Susan G. Stiger, ADEP, MS M992
Carolyn A. Mangeng, ADEP, MS M992
Alison M. Dorries, ERSS-DO, MS M992
Tina Behr-Andres, EP-LWSP, MS M992
IRM-RMMSO, MS A150