



**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:* November 26, 2008  
*Refer To:* EP2008-0607

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: Request for Extension for Sandia Canyon Investigation Report**



Dear Mr. Bearzi:

The Los Alamos National Laboratory (the Laboratory) is requesting an extension of the current due date of December 15, 2008, for the Sandia Canyon Investigation Report (SCIR). The SCIR will include the results of the chromium investigation currently underway, in addition to the content included in typical canyons investigation reports (e.g., sediment, biota, risk assessments). The basis of the request for extension is that the completion date for R-44 and R-45 is December 31, 2008, as required in the New Mexico Environment Department's (NMED's) approval with modification letter dated May 8, 2008. In addition to the information derived from recently completed wells R-42, SCI-2, and R-43, these two dual-screen wells will be key in determining the downgradient extent of chromium contamination in the regional groundwater to the east and southeast of R-28. Without inclusion of at least one round of postdevelopment data from these two new wells, the SCIR will be substantially short of necessary information either to support further investigation of chromium contamination in the regional aquifer or to conduct the necessary corrective measures evaluation (CME). Additionally, an extension will also provide an opportunity to collect enough new data from the group of related wells (R-42, R-43, R-11, R-28, R-35a, R-35b, R-36, R-44, R-45 and SCI-1, SCI-2, R-12, Screens 1 and 2) to confirm or update the conceptual model and the fate and transport model submitted to NMED on July 31, 2008.

The Laboratory requests a submittal date of September 30, 2009, for the SCIR for the following reasons.

- Wells R-44 and R-45 will be completed per NMED's May 8, 2008, letter on schedule by December 31, 2008. The well completion reports will be delivered to NMED by March 1, 2009.
- Development and aquifer testing will be conducted in January 2009.
- The first round of samples from each screen will be collected in late January 2009 or early February 2009. Note that because the two-screen wells will require a Baski sampling



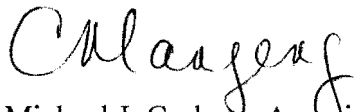
system, the first samples will be collected from each isolated screen at the end of the aquifer tests.

- Turnaround for fully validated data can be achieved by early April 2009.
- The second round of samples will be collected in early May 2009.
- Data from the second round will be available in early July 2009.
- New data can be incorporated into the numerical model, the nature and extent of contamination evaluated, the conceptual updated, and the SCIR prepared for submission to NMED by the September 30, 2009.

The Laboratory understands NMED's and the public's interest in the status and progress of the chromium project and the data from new wells. To address that interest, the Laboratory will continue to report new data to NMED promptly and will provide email updates via the listserv distribution used previously.

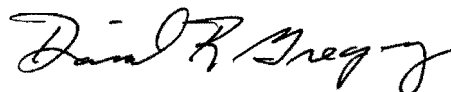
The Laboratory appreciates your consideration of this request for extension. If you have any questions, please contact Danny Katzman at (505) 667-6333 (katzman@lanl.gov) or Nancy Werdel at (505) 665-3619 (nwerdel@doeal.gov).

Sincerely,



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/DK:sm

Cy: Laurie King, EPA Region 6, Dallas, TX  
Steve Yanicak, NMED-OB, White Rock, NM  
Tom Skibitski, NMED-OB, Santa Fe, NM  
Alison Bennett, DOE-LASO (date-stamped letter emailed)  
Nancy Werdel, DOE-LASO, MS A316  
Danny Katzman, EP-LWSP, MS M992  
Paul R. Huber, EP- LWSP, MS M992  
Michael J. Graham, ADEP, MS M991  
Alison M. Dorries, WES-DO, MS M992  
Kristine Smeltz, WES-DO, MS M992  
EP-LWSP File, MS M992  
RPF, MS M707  
IRM-RMMSO, MS A150 (date-stamped letter emailed)