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**National Nuclear Security Administration**  
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Date: **APR 27 2012**  
 Refer To: EP2012-0104

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: Request for Extension for the Sandia Canyon Phase II Investigation Report**

Dear Mr. Kieling:


Los Alamos National Laboratory (the Laboratory) requests an extension of the July 31, 2012, submittal date of the Sandia Canyon Phase II Investigation Report (hereafter, the Phase 2 IR). The proposed submittal date is September 30, 2012. The request for a new date is based on the need for additional data from new regional aquifer well R-62 and from R-61. The first samples were collected on March 26, 2012. The well is on a quarterly sampling schedule. R-61 has been sampled numerous times; however, all but possibly the initial sample collected during the aquifer test are nonrepresentative because of a condition around both screened intervals that is resulting in reducing conditions. R-61 is scheduled for rehabilitation pending approval by the New Mexico Environment Department (NMED) Hazardous Waste Bureau regarding the approach. The specific schedule for rehabilitation of R-61 also depends on resolution of notice of intent requirements recently set for R-61 by the NMED Groundwater Quality Bureau, specifically addressing chemicals that may be used in R-61 during rehabilitation. The opportunity to include additional data from these two wells in a September 30, 2012, submittal will result in a more complete Phase 2 IR, specifically the conceptual model and nature and extent discussions.


As part of the Sandia Canyon investigation, the Laboratory has conducted a pumping test at R-28 and a geophysics survey of the wetland in upper Sandia Canyon. The results of these activities will be included in the Phase 2 IR. However, as interim deliverables, the Laboratory is including the geophysics report provided by the Laboratory's subcontractor, hydroGeophysics, Inc., (Attachment 1) and plots of preliminary data from the R-28 pumping test (Attachment 2). The plots of the R-28 pumping test data include pumping rates and drawdown/response curves for R-28 and surrounding wells monitored for the test. The water-level response data have been processed (barometric-pressure corrected); however, even the processed data are considered draft and are subject to further review and correction, if applicable. It is anticipated that the final R-28 pumping test report will be completed in June. The final document will be submitted to NMED at that time.

If you have any questions, please contact Steve Veenis at (505) 667-0013 (veenis@lanl.gov) or Ramoncita Massey at (505) 665-5330 (ramoncita.massey@nnsa.doe.gov).

Sincerely,

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

  
Peter Maggiore, Assistant Manager  
Environmental Projects Office  
Los Alamos Site Office

MG/PM/CD/SV/:sm

Attachments: (1) Geophysical Survey of the Wetland Area of Upper Sandia  
(2) Plots of Preliminary Data from the R-28 Pumping Test (LA-UR-12-20741)

Cy: (w/att.)  
Laurie King, EPA Region 6, Dallas, TX  
Neil Weber, San Ildefonso Pueblo  
Joe Chavarria, Santa Clara Pueblo  
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