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*National Nuclear Security Administration*  
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Date: NOV 10 2011

Refer To: EP2011-0387

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 Water Application to Bermed Area and the Installation and Instrumentation of Six Boreholes at Technical Area 21 for Vadose Zone Moisture Monitoring**

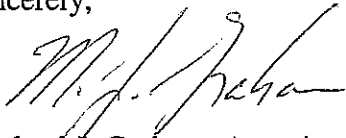
Dear Mr. Kieling:

This letter requests an extension from the January 31, 2012 and July 31, 2012, dates for completion of water application to bermed area and the installation and instrumentation of six boreholes at Technical Area 21 (TA-21) for vadose zone moisture monitoring to new dates of January 31, 2014, and July 31, 2014, respectively. The U.S. Department of Energy (DOE) and Los Alamos National Security (LANS), LLC, request this extension in order to focus efforts on accelerating the shipment of aboveground transuranic (TRU) waste from Los Alamos National Laboratory's Technical Area 54, Area G, to the Waste Isolation Pilot Plant. This focus will result in a material reduction of environmental risk. This acceleration of TRU waste shipments will also allow DOE/LANS to support the environmental priorities established by the New Mexico Environment Department and the State of New Mexico.

These new dates to complete water application to bermed area and the installation and instrumentation of six boreholes at TA-21 for vadose zone moisture monitoring were developed to support the mutual goal of environmental risk reduction. DOE/LANS request this extension under Section III.J.2 of the March 2005 Compliance Order on Consent.

If you have any questions, please contact Jarrett Rice at (505) 500-5673 (wjrice@lanl.gov) or Peter Maggiore at (505) 665-5658 (peter.maggiore@nnsa.doe.gov).

Sincerely,



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

Sincerely,



George J. Rael, Assistant Manager  
Environmental Projects Office  
Los Alamos Site Office

MG/GR/TG/CD/TB:sm

Cy: Laurie King, EPA Region 6, Dallas, TX  
Steve Yanicak, NMED-DOE-OB, MS M894  
Jim Davis, NMED-Resource Protection, Santa Fe, NM (date-stamped letter emailed)  
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)  
David Rhodes, DOE-LASO, MS A316 (date-stamped letter emailed)  
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John Bennett, EP-TA-21, MS C349 (date-stamped letter emailed)  
Craig Douglass, EP-CAP, MS M992 (date-stamped letter emailed)  
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Tori George, ET-REG, MS M991 (date-stamped letter emailed)  
Jarrett Rice, ADEP, MS M991 (date-stamped letter emailed)  
Bruce Schappell, ADEP, MS M991 (date-stamped letter emailed)  
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