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Date: **MAY 13 2011**
Refer To: EP2011-0138

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 Certificates of Completion for Four Solid Waste Management Units and One Area of Concern at Material Disposal Area V, Technical Area 21

Dear Mr. Kieling:

In accordance with Section VII.E.6.b of the Compliance Order on Consent (Consent Order), Los Alamos National Laboratory (the Laboratory) and the U.S. Department of Energy (DOE) are requesting Certificates of Completion without Controls for the following solid waste management units (SWMUs) and area of concern (AOC) that comprise Consolidated Unit 21-018(a)-99, also known as Material Disposal Area (MDA) V, at Technical Area 21 (TA-21):

- SWMU 21-013(b), Former Surface Disposal Area
- SWMU 21-018(a), Former Absorption Beds
- SWMU 21-018(b), Former Laundry Facility
- SWMU 21-023(c), Former Septic System
- AOC 21-013(g), Building Debris

Investigation and remediation of MDA V was completed in 2007 and documented in the Investigation Report for Consolidated Unit 21-018(a)-99, Material Disposal Area V, at Technical Area 21, Revision 1 (LA-UR-07-4390/EP2007-0355) and the Supplemental Investigation Report for Consolidated Unit 21-018(a)-99, Material Disposal Area V, at Technical Area 21, Revision 1 (LA-UR-08-2315/EP2008-0172). These reports demonstrate the sites comprising MDA V do not pose an unacceptable human health risk or dose under a residential scenario and do not pose an unacceptable risk to ecological receptors. The reports also demonstrate that the nature and extent of contamination have been defined, with the exception of tritium in subsurface pore gas. To determine extent of subsurface tritium contamination at MDA V, the Laboratory and DOE submitted the Vadose Zone Subsurface Characterization and Vapor-Monitoring Well Installation Work Plan for Material Disposal Area V, Consolidated Unit 21-018(a)-99, Revision 1 (LA-UR-09-5021/EP2009-0380). This plan called for installing one vapor-monitoring well at MDA V and collecting four quarterly rounds of samples. This work plan was approved by the New Mexico Environment Department (NMED) (HWB-LANL-08-019) and was implemented by the Laboratory and DOE. Four rounds of quarterly sampling were conducted and periodic

monitoring reports presenting the results of this sampling were submitted to NMED in December 2009 (LA-UR-09-8123/EP2009-0649), March 2010 (LA-UR-10-1758/EP2010-0122), June 2010 (LA-UR-10-3951/EP2010-0242), and October 2010 (LA-UR-10-6036/EP2010-0374). The results of this sampling showed the extent of tritium contamination is defined and do not change the conclusions of the previous investigation reports concerning the risks posed by the sites comprising MDA V.

With the conclusion of the fourth round of vapor sampling and submittal of the October 2010 periodic monitoring report, the Laboratory and DOE have completed all requirements for these sites under the Consent Order. As documented in the reports identified above, the nature and extent of contamination have been defined, and the sites do not pose an unacceptable human health risk or dose under a residential scenario and do not pose an unacceptable risk to ecological receptors. Therefore, the Laboratory and DOE are requesting Certificates of Completion without Controls for the four SWMUs and one AOC.

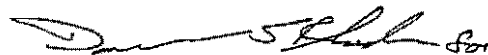
If you have any questions, please contact Bruce Wedgeworth at (505) 231-0108 (brucew@lanl.gov) or Woody Woodworth at (505) 665-5820 (lwoodworth@doeal.gov).

Sincerely,



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

Sincerely,



George J. Rael, Manager
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MG/GR/DM/BW:sm

Cy: Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Woody Woodworth, DOE-LASO, MS A316 (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
Bruce Wedgeworth, EP-TA-21 Closure Project, MS M992 (date-stamped letter emailed)
David McInroy, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)
William Alexander, EP-BPS, MS M992 (date-stamped letter emailed)
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