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Date: DEC 2 0 2012
Refer To: EP2012-0304

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Request for Certificate of Completion for Two Solid Waste Management Units and One Area of Concern in the Upper Los Alamos Canyon Aggregate Area

Dear Mr. Kieling:

In accordance with Section VII.E.6.b of the Compliance Order on Consent (the Consent Order), the U.S. Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) are requesting Certificates of Completion with Controls for the following solid waste management units (SWMUs) and area of concern (AOC) within the Upper Los Alamos Canyon Aggregate Area:

- SWMU 32-002(a), Former Septic System
- SWMU 32-002(b1), Former Septic System
- AOC 32-004, Former Drainline and Outfall

SWMU 32-002(a) was recommended for corrective action complete with controls in the December 2012 Supplemental Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32 (LA-UR-12-27053/EP2012-0306). The supplemental remedy completion report augments information presented in the February 2011 Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32, Revision 1 (LA-UR-11-1177/EP2011-0064). The remedy completion report and supplemental remedy completion report substantiate that the nature and extent of contamination are defined at SWMU 32-002(a), the site poses no potential unacceptable risks to human health under the industrial scenario, and the site poses no potential risk to ecological receptors.

The remedy completion report concluded that the nature and extent of contamination had been defined at SWMU 32-002(a), except for the vertical extent of inorganic chemical contamination, and recommended collecting additional samples at three locations. The New Mexico Environment Department's (NMED's) Direction to Modify [the] Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former TA-32 (HWB-LANL-10-083) (hereafter, the DTM), dated April 6, 2011, did not specifically approve the remedy completion report but provided comments that could be addressed in the Phase II investigation report for Upper Los Alamos Canyon Aggregate Area. The DTM did not identify any deficiencies related to SWMU 32-002(a)

or comment on the conclusions or recommendations for this site in the remedy completion report. The sampling recommended in the remedy completion report was implemented by DOE and LANS, and the results were presented in the supplemental remedy completion report. Based on the information presented in the remedy completion report and supplemental remedy completion report, no additional corrective action is required for SWMU 32-002(a), and the site is appropriate for a corrective action complete with controls designation.

SWMU 32-002(b1) is a new SWMU that was created by splitting former SWMU 32-002(b) into two new SWMUs. SWMU 32-002(b1) consists of that portion of former SWMU 32-002(b) that is located on property owned by the Los Alamos School Board. That portion of former SWMU 32-002(b) on DOE property has been designated as the new SWMU 32-002(b2). These two new SWMUs were created through a Class 1* permit modification submitted to NMED on December 18, 2012 (LA-UR-12-26978). SWMU 32-002(b1) was recommended for corrective action complete with controls in the December 2012 Supplemental Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32 (LA-UR-12-27053/ EP2012-0306). The supplemental remedy completion report substantiates that the nature and extent of contamination are defined at SWMU 32-002(b1), the site poses no potential unacceptable risks to human health under the industrial scenario, and the site poses no potential risk to ecological receptors. Therefore, no additional corrective action is required for this site, and the site is appropriate for corrective action complete with controls designation.

AOC 32-004 was recommended for corrective action complete without controls in the February 2011 Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32, Revision 1 (LA-UR-11-1177/EP2011-0064). The remedy completion report substantiates that the nature and extent of contamination are defined at AOC 32-004. In addition, the remedy completion report concluded that AOC 32-004 poses no potential unacceptable risks to human health under the industrial, construction worker, recreational, and residential scenarios and poses no potential risk to ecological receptors.

NMED's DTM did not specifically approve the remedy completion report but provided comments that could be addressed in the Phase II investigation report for Upper Los Alamos Canyon Aggregate Area. The DTM indicated that NMED did not concur with the results of the human health risk-screening evaluation for the residential scenario or the recommendation for corrective action complete without controls for AOC 32-004. NMED did not comment on any of the other conclusions or recommendations in the remedy completion report for this site, including the results of the human health risk-screening evaluation for the industrial scenario. Therefore, no additional corrective action is required for this site, and the site is appropriate for the corrective action complete with controls designation.

The two SWMUs and one AOC addressed in this certificate of completion request letter are located on property owned by the Los Alamos School Board. DOE and LANS prepared the supplemental remedy completion report and this request letter to obtain certificates of completion in a timely manner to facilitate the commercial development of this property by Los Alamos County. The industrial risk scenario is appropriate for the planned use of this site and is the basis for the current requests for certificates of completion with controls. DOE and LANS reserve the right to request certificates of completion without controls in the future based on further evaluation of the residential risk scenario.

If you have any questions, please contact Todd Haagenstad at (505) 665-2936 (hth@lanl.gov) or Ed Worth at (505) 606-0398 (edwin.worth@nnsa.doe.gov).

Sincerely,

Jeffrey Mousseau, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

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

JM/PM/DM/TH:sm

Cy: Laurie King, EPA Region 6, Dallas, TX (date-stamped letter emailed)
Steve Yanicak, NMED-DOE-OB, MS M894
Tom Skibitski, NMED-OB (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
Cheryl Rodriguez, DOE-LASO (date-stamped letter emailed)
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Jeff Mousseau, ADEP (date-stamped letter emailed)
Wendy Staples, EP-BPS (date-stamped letter emailed)
Public Reading Room, MS M992 (hard copy)
RPF, MS M707 (electronic copy)