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NEW MEXICO ENVIRONMENT DEPARTMENT



Hazardous Waste Bureau

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 27, 2013

Pete Maggiore
Assistant Manager
Environmental Projects Office
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
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Jeffrey D. Mousseau
Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
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Los Alamos, NM 87545

RE: CERTIFICATES OF COMPLETION
ONE SOLID WASTE MANAGEMENT UNIT AND ONE AREA OF CONCERN
MIDDLE MORTANDAD/TEN SITE AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-11-068

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) Request for Certificates of Completion for Twenty-Seven Solid Waste Management Units and Ten Areas of Concern in the Middle Mortandad/Ten Site Aggregate Area (Request), dated August 31, 2012 and referenced by EP2011-0297.

Twenty-seven solid waste management units (SWMUs) and ten areas of concern (AOCs) were recommended for corrective action complete in the Investigation Report for the Middle Mortandad/Ten Site Aggregate Area, Revision 2 (Report), dated February 2008 (LA-UR-08-0336/EP2008-0035). NMED issued an Approval with Direction (AWD) for the Report on April 1, 2008. At a meeting held on August 26, 2013, the Permittees requested expedited review of



AOC 35-014(e2) and SWMU 35-016(i) that were included in the Request.

To protect the surface waters from potential adverse impacts from stormwater discharges from the sites, all of these thirty-seven sites are required to be monitored under the Permittees' National Pollutant Discharge Elimination System (NPDES) individual permit. In addition, ten of these sites including AOC 35-014(e2) and SWMU 35-016(i) were identified as high priority sites in the NPDES Permit (Part 1, Section E.4.(a)). The NPDES Permit (dated November 1, 2010) requires that at these ten sites, corrective action must be completed within three years of the effective date of the permit. The sites may qualify for corrective action complete without controls after data collected from these sites demonstrates compliance with the NPDES Permit. At this time these sites do not qualify for corrective action complete without controls because data has not yet been acquired to demonstrate that surface water quality standards have been met. NMED hereby issues certificates of completion with controls for the following sites pursuant to Section VII.E.6.b of the Consent Order.

AOC 35-014(e2) is the site of a former oil spill that originated from overflows of a waste-oil impoundment. The site is located about 150 ft northeast of TA-35-85. The impoundment was decommissioned in 1989. The documented releases for the site consist of oil spills from the impoundment. Soil samples from oil-stained areas showed detectable concentrations of polychlorinated biphenyls (PCBs). The site was included in the investigation of CU 35-016(i)-00. Investigations conducted during 2004 indicate that there are no potential unacceptable risks or doses from the residual contamination for the recreational and residential land use scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

The Permittees must institute and maintain the control at the site of monitoring storm water discharge for potential off-site transport of residual contamination. This is currently mandated by the NPDES Permit. AOC 35-014(e2) is listed as a high priority site on the NPDES Permit.

SWMU 35-016(i) is an active surface discharge channel that handles storm water runoff from the area between the east end of TA-35-85 and the main parking lot for TA-35. The outfall is a corrugated metal pipe 18 in. in diameter. Discharge from the outfall has eroded a small channel in the mesa slope approximately three feet below the outfall and into the tuff bedrock. The site was included in the investigation of CU 35-016(i)-00. Investigations conducted during 2004 indicate that there are no potential unacceptable risks or doses from the residual contamination for the recreational and residential land use scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

The Permittees must institute and maintain the control at the site of monitoring storm water discharge for potential off-site transport of residual contamination. This is currently required by the NPDES Permit. SWMU 35-016(i) is listed as a high priority site on the NPDES Permit.

Messrs. Maggiore and Mousseau
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If new information becomes available that indicates that any of these sites pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action. Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
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