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03
NEW MEXICO
ENVIRONMENT DEPARTMENT

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ENTERED



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Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 7, 2010

George J. Rael, Federal Projects Director
Environmental Projects Office
U.S. Department of Energy / National
Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

**RE: CERTIFICATES OF COMPLETION
UPPER MORTANDAD CANYON AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-055**

Dear Messrs. Rael and Graham:

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 Three SWMUs and Three AOCs in the Upper Mortandad Canyon Aggregate Area* (Request), dated July 01, 2010 and referenced by EP2010-0X293. Results of the site investigations were presented in the *Investigation Report for the Upper Mortandad Canyon Aggregate Area, Revision 1*, dated April 2010.

The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for corrective action at the following solid waste management units/ areas of concern (SWMUs/AOCs) and the sites qualify for "Corrective Action Complete".

1. AOC 03-041 is an underground holding tank for industrial low-level radioactive wastewater. The tank is a 15 ft x 20 ft x 15ft double-walled fiberglass corrosion-proof

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tank with a leak-detection system. It is located in a below grade concrete-lined vault and the base of the vault is 15 ft below ground surface. Although it is currently on active status, it has never been used. Investigations conducted during 2009 defined the nature and extent of contamination. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 03-041. NMED hereby issues the Certificate of Completion for AOC 03-041 pursuant to Section VII.E.6.b of the Consent Order. Controls are not required at the site.

2. AOC 48-002(e) was a container storage area located on the east side of building 48-0001. The storage area is mostly paved except for a small portion of soil left unpaved to allow access to underground utilities. Investigations conducted during 1993, 1997, and 2009 defined the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. NMED hereby issues the Certificate of Completion for AOC 48-002(e) pursuant to Section VII.E.6.b of the Consent Order. Controls are not required at the site
3. SWMU 48-007(a) is an outfall formerly used to discharge treated cooling tower blowdown from two cooling towers. Water used in these cooling towers was treated to control scale, corrosion, and biological growth. The outfall was formerly listed on the National Pollutant Discharge Elimination System (NPDES) permit but was removed from the NPDES permit in 1999. Investigations conducted during 1993 and 2009 defined the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. Storm water continues to flow through the outfall and may mobilize the residual contamination at the site. The SWMU is monitored under the current NPDES permit. The control for the site is continuation of storm water monitoring under NPDES permit for potential transportation of residual contamination. NMED hereby issues the Certificate of Completion for SWMU 48-007(a) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.
4. SWMU 48-007(d) is an outfall formerly used to discharge noncontact cooling water that cooled a vacuum pump. The outfall was formerly listed on the NPDES permit, but was removed from the permit in 1998. Investigations conducted during 1993 and 2009 defined the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. Storm water continues to flow through the outfall and may result in mobilization of the residual contamination at the site. The SWMU is monitored under the current NPDES permit. The control for the site is continuation of storm water monitoring under NPDES permit for potential transportation of residual contamination. NMED hereby issues the Certificate of Completion for SWMU 48-007(d) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.
5. SWMU 48-010 is an unlined surface impoundment that received discharge from SWMUs 48-007(a) and 48-007(d). Investigations conducted during 1993, 1995, and 2009 defined

the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. Storm water continues to flow across the site and it is monitored under current NPDES permit. The control for the site is continuation of storm water monitoring under NPDES permit for potential transportation of residual contamination. NMED hereby issues the Certificate of Completion for SWMU 48-010 pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

6. AOC 48-012 is a small area of stained soil that was discovered during routine trenching operations conducted in 2002. The site was reported as a one-time spill. Removal of the contaminated soil was conducted as a voluntary corrective action in 2002. Additional samples were collected in 2009 to define the nature and extent of contamination. Evaluation of human health risk indicates that there is potential unacceptable risk posed by the site under residential scenario, but not under the industrial and construction worker scenario. There are no complete exposure pathways to ecological receptors. The control for the site is industrial land use, the site cannot be used for residential purposes. NMED hereby issues the Certificate of Completion for AOC 48-012 pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

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

Sincerely,



James P. Bearzi
Chief
Hazardous Waste Bureau

BRZ:nmd

cc: J. Kieling, NMED HWB
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File: 2010 LANL, Certificates of Completion Upper Mortandad Aggregate Area (AOC 03-041, AOC 48-002(e), SWMU 48-007(a), SWMU 48-007(d), & SWMU 48-010).