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NEW MEXICO ENVIRONMENT DEPARTMENT



Hazardous Waste Bureau

SUSANA MARTINEZ Governor

2905 Rodeo Park Drive East, Building 1

Santa Fe, New Mexico 87505-6303

DAVE MARTIN Secretary

JOHN A. SANCHEZ Lieutenant Governor

Phone (505) 476-6000 Fax (505) 476-6030

RAJ SOLOMON, P.E. Deputy Secretary

www.nmenv.state.nm.us

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

April 14, 2011

George J. Rael Assistant Manager 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 MIDDLE CAÑADA DEL BUEY AGGREGATE AREA AOCS EPA ID #NM0890010515 HWB-LANL-11-015

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 Four Areas of Concern in the Middle Cañada del Buey Aggregate Area, dated February 9, 2011 and referenced by EP2011-0057.

Area of Concern (AOC) 18-005(b), AOC 18-005(c), AOC 51-001, and AOC 54-007(d) were recommended for corrective action complete without controls in the report entitled Investigation Report for Middle Cañada del Buey Aggregate Area, Revision 1 (Report), dated April 2009. NMED approved the Report on April 27, 2009. The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for completion of corrective action at the aforementioned AOCs. The sites qualify for Corrective Action Complete Without Controls status.



AOC 18-005(b) is an area of potential soil contamination associated with a former explosive storage magazine (structure 8-11), a wooden structure with dimensions of 11ft x 9ft x. 8ft. The structure was surrounded by earthen berms on three sides and on top, used from 1945-1960, and reported to be contaminated with high explosives and destroyed by intentional burning in 1960. Investigations were conducted in 2008 to define the nature and extent of contamination. Based on risk-screening assessment results, there are no potential unacceptable risks or doses from the residual contamination for the industrial, construction worker, or residential scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

AOC 18-005(c) is an area of potential soil contamination associated with a former explosive storage magazine (structure 8-12), a wooden structure with dimensions of 11ft x 9ft x. 8ft. The structure was surrounded by earthen berms on three sides and covered with soil, used from 1945-1960, and reported to be contaminated with high explosives and destroyed by intentional burning in 1960. Investigations were conducted in 2008 to define the nature and extent of contamination. Based on risk-screening assessment results, there are no potential unacceptable risks or doses from the residual contamination for the industrial, construction worker, or residential scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

AOC 51-001 was an inactive septic system that served buildings at technical area (TA)-51. The septic system consisted of a 1000-gal. concrete septic tank, drainlines, and a seepage pit. The septic system was installed in 1988 and decommissioned in 1993. A RCRA Facility Investigation (RFI) was conducted in 1995 to sample the septic tank contents and the seepage pit. In 2001, a Voluntary Corrective Action (VCA) was conducted to remove the septic system that also involved removal the septic tank contents and plugging of drainlines. Confirmation samples were collected within the septic tank excavation, beneath the drainlines and next to the seepage pit. The excavations were subsequently backfilled with clean fill. Additional investigations to define the nature and extent of contamination were conducted in 2008. Based on the data collected during the investigations, the risk screening assessments indicate no potential unacceptable risks or doses from the residual contamination for the industrial, construction worker, or residential scenarios. At AOC 51-001, there are no complete pathways for exposure to ecological receptors indicating that the site does not pose an ecological risk.

AOC 54-007(d) was an inactive septic system that served buildings at TA-54. The septic system consisted of a 1500-gal. concrete septic tank, drainlines, a distribution box, and a split drain field. The septic system was constructed in 1962 and decommissioned in 1993. An RFI was conducted in 1995. A VCA to remove the septic system was conducted in 2001 that also involved the plugging of the drainlines. Confirmation samples were collected within the septic tank excavation, beneath the drainlines, and from the drain field. The excavations were subsequently backfilled with clean fill. Additional investigations to define the nature and extent of

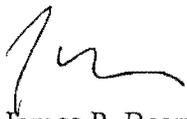
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contamination were conducted in 2008. Based on the data collected during the investigations, the risk screening assessments indicate no potential unacceptable risks or doses from the residual contamination for the construction worker and residential scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

If new information becomes available that indicates that any of the sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional investigation. NMED hereby issues this Certificate of Completion for AOC 18-005(b), AOC 18-005(c), AOC 51-001, and AOC 54-007(d) pursuant to Section VII.E.6.b of the Consent Order.

Please contact Neelam Dhawan at (505) 476-6042 if you have any questions.

Sincerely,



James P. Bearzi
Chief
Hazardous Waste Bureau

cc: J. Kieling, NMED HWB
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
K. Rich, LANS, EP-CAP, MS M992

File: 2011 LANL, Certificates of Completion Middle Canada del Buey AA AOCs
LANL 11-015