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NMED
Hazardous Waste Bureau

Associate Director for ESH
Environment, Safety, and Health
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87545
505-667-4218/Fax 505-665-3811

Environmental Management
Los Alamos Field Office, MS A316
3747 West Jemez Road
Los Alamos, New Mexico 87544
(505) 665-5658/FAX (505) 606-2132

Date: SEP 30 2015
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John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Submittal of the Supplemental Investigation Report for Potrillo and Fence Canyons Aggregate Area

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Supplemental Investigation Report for Potrillo and Fence Canyons Aggregate Area. Based on the data evaluation guidelines Los Alamos National Laboratory (the Laboratory) used in 2010 when the original investigation report was prepared, the Laboratory concluded that the extent of contamination was not defined for 16 solid waste management units and areas of concern within the Potrillo and Fence Canyons Aggregate Area. Recommendations for additional sampling at these sites to define extent were presented in the investigation report that was approved by the New Mexico Environment Department (NMED) in December 2011 (HWB-LANL-11-043).

After the investigation report had been approved, NMED and the U.S. Department of Energy (DOE) entered into a framework agreement for the realignment of environmental priorities at the Laboratory. Under the framework agreement, NMED and DOE agreed to review characterization efforts undertaken to date pursuant to the Compliance Order on Consent to identify those sites where the nature and extent of contamination have been adequately characterized.

Pursuant to the framework agreement, the Laboratory reviewed its data evaluation process with respect to U.S. Environmental Protection Agency (EPA) guidance and the framework agreement principles and concluded that this process could be revised to complete site characterization more efficiently, while providing full protection of human health and the environment. Specifically, the process for evaluating data to define extent of contamination was revised to provide a greater emphasis on risk/dose reduction, consistent with EPA guidance. This revised process includes (1) initially identifying chemicals of potential concern (COPCs) to focus efforts on the constituents of most concern; (2) screening COPCs against soil screening levels and screening action levels during

determination of extent to focus efforts on characterizing contamination potentially posing a risk/dose and requiring corrective action; and (3) performing screening level risk/dose evaluations on all sites, even if extent is not defined, to incorporate risk/dose reduction into recommendations for further actions.

The 2010 investigation data for the 16 sites proposed for Phase II investigation were reevaluated using this revised process, and the results are presented in the attached supplemental investigation report. A revised Phase II investigation work plan will be developed and submitted to NMED after this supplemental investigation report is approved.

If you have any questions, please contact Kent Rich at (505) 665-4272 (krich@lanl.gov) or Ramoncita Massey at (505) 665-7771 (ramoncita.massey@em.doe.gov).

Sincerely,

Alison M. Dorries, Division Leader
Environmental Protection Division
Los Alamos National Laboratory

Sincerely,

Douglas E. Hintze, Manager
Environmental Management
Los Alamos Field Office

AD/DH/BR/KR:sm

Enclosure: Two hard copies with electronic files – Supplemental Investigation Report for Potrillo and Fence Canyons Aggregate Area (EP2015-0079)

Cy: (w/enc.)
emla.docs@em.doe.gov
Ramoncita Massey, DOE-EM-LA
Kent Rich, ADEP ER Program, MS M992
Public Reading Room (EPRR)
ADESH Records

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Rich Mirenda, ADEP ER Program, MS M992 (w/ MS Word files on CD)
PRS Database

Cy: (w/o enc./date-stamped letter emailed)
lasomailbox@nnsa.doe.gov
Kimberly Davis Lebak, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Annette Russell, DOE-EM-LA
David Rhodes, DOE-EM-LA
Bruce Robinson, ADEP ER Program
Randy Erickson, ADEP
Jocelyn Buckley, ADESH-ENV-CP
Mike Saladen, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Craig Leasure, PADOPS