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RYAN FLYNN  
Cabinet Secretary  
BUTCH TONGATE  
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

May 15, 2015



Christine Gelles  
Acting Manager  
National Nuclear Security Administration  
Los Alamos Field Office  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

Michael T. Brandt  
Associate Director  
Environment, Safety, Health  
Los Alamos National Laboratory  
P.O. Box 1663, MS M991  
Los Alamos, NM 87545

**RE: CERTIFICATE OF COMPLETION  
SOLID WASTE MANAGEMENT UNIT 21-015 WITHIN MATERIAL DISPOSAL  
AREA B, TECHNICAL AREA 21  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID#NM0890010515  
HWB-LANL-15-012**

Dear Ms. Gelles and Mr. Brandt:

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 Certificate of Completion without Controls for Solid Waste Management Unit 21-015 within Material Disposal Area B, Technical Area 21* (Request), dated March 6, 2015 and referenced by ENV-DO-15-0055.

Results of site investigations were presented in the *Investigation Report for Material Disposal Area B, Areas 9 and 10, Solid Waste Management Unit 21-015, at Technical Area 21*, dated May 2010, *Investigation/Remediation Report for Material Disposal Area B, Solid Waste Management Unit 21-015, Revision 2*, dated June 2013, and *Letter Report for the Results of Analytical Sampling for Volatile Organic Compounds at Material Disposal Area B*, dated October 2014.

Solid Waste Management Unit (SWMU) 21-015, also known as Material Disposal Area (MDA) B, is an inactive subsurface disposal site located in Technical Area (TA) 21. MDA B received

Laboratory wastes that contained both hazardous constituents and radionuclides from 1944 to 1948 when it was closed. Wastes disposed of at MDA B include routine laboratory waste, glassware, obsolete equipment, wooden laboratory furniture, demolition debris, building materials, clothing, paper, trash, and small amounts of chemicals from laboratory areas. These wastes were considered to be contaminated with residual radioactivity. The radionuclides used during the time MDA B was active included plutonium, polonium, uranium, americium, curium, radioactive lanthanum, cesium, and actinium.

Buried waste at MDA B was excavated, characterized, and disposed of during 2010 and 2011. All contaminated waste and soil were removed from the site. Investigation activities to define the nature and extent of contamination were performed in 2009 and 2010. In addition, confirmation sampling was performed during and after the excavation activities in 2010, 2011, and 2014. Evaluation of both human health and ecological risk indicated that there is no potential unacceptable risk posed at this site.

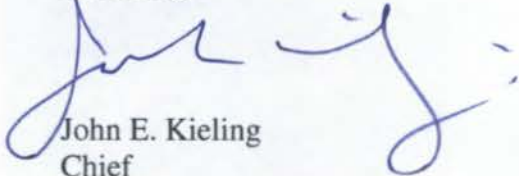
NMED hereby issues this Certificate of Completion for Corrective Action Complete without Controls for SWMU 21-015 pursuant to Section VII.E.6.b of the Consent Order.

If new information becomes available that indicates that this site poses a potential risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at the site in the future.

Ms. Gelles and Mr. Brandt  
May 15, 2015  
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Please contact Ben Wear at (505) 476-6041 if you have questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "John E. Kieling". The signature is fluid and cursive, with a large initial "J" and "K".

John E. Kieling  
Chief  
Hazardous Waste Bureau

cc: K. Roberts, NMED RPD  
D. Cobrain, NMED HWB  
N. Dhawan, NMED HWB  
B. Wear, NMED HWB  
S. Yanicak, NMED DOE OB, MS M894  
L. King, EPA 6PD-N  
S. Swickley, ENV-CP, MS 992  
A. Duran, DOE-NA-LA, MS A316

File: Reading and LANL 2015, Certificate of Completion, TA-21, MDA B