

**Completion of Corrective Action
at Site 53-014
in S-SMA-4.1**

August 16, 2013

NPDES PERMIT NO. NM0030759

LA-UR-13-26420

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: S011

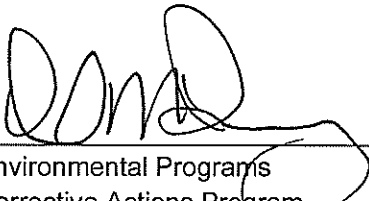
S-SMA-4.1

Site: 53-014

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.2, which requires the Permittees (i.e., DOE and LANS) to certify the completion of corrective action.

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."



Environmental Programs
Corrective Actions Program
Los Alamos National Laboratory

Aug 15, 2013
Date



Los Alamos Field Office
National Nuclear Security Administration

8-20-2013
Date

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION**

PF: S011

S-SMA-4.1

Site: 53-014

This certificate indicates completion of corrective action for Site 53-014 pursuant to Part 1, E.2(d), of the Individual Permit NM0030759. This certification that corrective action is complete was prepared in accordance with 40 Code of Federal Regulations 122.22(b).

Table 1 presents the Site achieving Resource Conservation and Recovery Act Corrective Action Complete without Controls status under the Compliance Order on Consent (the Consent Order). Analytical results obtained from baseline confirmation monitoring at S-SMA-4.1 exceeded target action levels for total polychlorinated biphenyls, causing the Permittees to initiate corrective action. The Permittees are certifying completion of correction action at Site 53-014 through a demonstration that the Site has achieved a certificate of completion under the Section VII.E.6.b of the Consent Order. Attachment 1 contains a copy of the certificate of completion from the New Mexico Environment Department for Site 53-014, which is designated as Area of Concern 53-014 for purposes of the Consent Order.

**Table 1
Site(s) Demonstrating Completion of Corrective Action**

Site Number	Associated SMA Number	Watershed	Site Priority
53-014	S-SMA-4.1	Sandia	High

Attachment 1

Certificate of Completion for Site 53-014



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
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RYAN FLYNN
Secretary-Designate

BUTCH TONGATE
Deputy Secretary

TOM BLAINE, P.E.
Director
Environmental Health Division

EP2013-5156

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 31, 2013

Pete Maggiore
Assistant Manager
Environmental Projects Office
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Jeffrey D. Mousseau
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
ONE SOLID WASTE MANAGEMENT UNIT AND TWO AREAS OF CONCERN
IN THE LOWER SANDIA CANYON AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-020**

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 One Solid Waste Management Unit and Two Areas of Concern in the Lower Sandia Canyon Aggregate Area*, dated March 21, 2012 and referenced by EP2012-0081.

Solid waste management unit (SWMU) 53-001(b), area of concern (AOC) 53-013, and AOC 53-014 were recommended for corrective action complete without controls in the *Investigation Report for Lower Sandia Canyon Aggregate Area Revision 1* (LA-UR-11-4795/EP2011-0261). NMED approved the Report on September 26, 2011.

SWMU 53-001(b) is an outdoor storage area located on a concrete pad on the south side of building 53-2 at technical area (TA) 53. The site was used to store drums containing product and waste associated with maintenance activities conducted at building 53-2. The storage area was constructed in 1971. The area was also used as a less than 90-day storage area that was taken out of service in 1998. Investigations were conducted in 1995 and 2010. Based on the results of the risk screening assessments, no potential unacceptable risk from residual contamination exists for the industrial, construction worker, and residential scenarios. The ecological risk screening assessment results also indicate that the site does not pose any unacceptable risk to environmental receptors.

AOC 53-013 is a lead spill site located near the east end of TA-53, northeast of buildings 53-10 and 53-315. Lead shot was present within two fenced areas used for storage and the staging of equipment used in experiments. Lead shot was used as radiation shielding for experiments conducted in building 53-10. The dates when shot was spilled on the ground are not known, but possibly date back to the late 1960s or early 1970s. Investigations were conducted in 1995 and 2010. Based on the results of the risk screening assessments, no potential unacceptable risk from residual contamination exists for the industrial, construction worker, and residential scenarios. The ecological risk screening assessment results also indicate that the site does not pose any unacceptable risk to environmental receptors.

AOC 53-014 is a lead spill site that is located at a paved storage area in TA-53 west of building 53-18. Lead shot was spilled on the paved surface and stormwater subsequently washed lead into an asphalt-lined channel that joins the drainage below NPDES outfall (03A113). A voluntary corrective action was conducted in 1997 to remove the lead shot from the paved area, the asphalt channel, and the drainage. The sediment was sieved to remove lead and confirmatory samples were collected. The results of the sediment samples collected at the site indicated that detected lead concentrations were below the NMED soil screening levels. The site does not pose any potential unacceptable risk for the industrial, construction worker, and residential scenarios. The ecological risk screening assessment results also indicate that the site does not pose any unacceptable risk to environmental receptors.

The Permittees have demonstrated that these sites are eligible for corrective action complete without controls. NMED hereby issues Certificates of Completion for SWMU 53-001(b), AOC 53-013, and AOC 53-014 pursuant to section VII.E.6.b of the Consent Order.

Messrs. Maggiore and Mousseau
July 31, 2013
Page 3

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

Sincerely,

A handwritten signature in blue ink, appearing to read "John E. Kieling" with a stylized flourish at the end.

John E. Kieling
Chief
Hazardous Waste Bureau

cc: 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
R. Massey, DOE LASO, MS A316
K. Rich, EP-CAP, MS M992

File: 2013 LANL, Certificates of Completion for Lower Sandia Canyon AA Sites (LANL 12-020)

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