



APR 16 '15 AM 10:54

**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) 667-4255/FAX (505) 606-2132

Date: APR 16 2015

Refer To: ADESH-15-058

LAUR: 15-22215; 15-22214

Locates Action No.: N/A

Paulette Johnsey, Chief
Compliance Assurance and Enforcement Division (6EN)
U.S. Environmental Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Subject: NPDES Permit No. NM0030759 - Submittal of Completion of Corrective Action at Site 00-018(a) in P-SMA-3.05 and Completion of Corrective Action at Sites 73-002 and 73-003 in P-SMA-2

Dear Ms. Johnsey:

This document is being submitted in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759 for Los Alamos National Laboratory, issued to Los Alamos National Security, LLC, and the U.S. Department of Energy, effective November 1, 2010. Completion of corrective action is being certified to the U.S. Environmental Protection Agency as specified in Part I, Section E.2(d):

The Sites have achieved RCRA "corrective action complete without controls/ corrective action complete with controls" status or a Certificate of Completion under NMED's Consent Order....

The certifications that corrective action is complete were prepared in accordance with 40 Code of Federal Regulations 122.22(b). Accordingly, the Certificates of Completion issued under the New Mexico Environment Department's (NMED's) Compliance Order on Consent for the Sites are enclosed. The report includes a signed certification statement, and a copy of the NMED Certificate of Completion. A link to this certified document can be accessed at the following website:
<http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php>

Table 1
List of Sites in This Submittal of Certification of Completion of Corrective Action

Site Number	Associated SMA Number	Permitted Feature	Watershed	Site Priority
73-002	P-SMA-2	P006	Los Alamos/Pueblo	Moderate
73-003	P-SMA-2	P006	Los Alamos/Pueblo	Moderate
00-018(a)	P-SMA-3.05	P009	Los Alamos/Pueblo	High

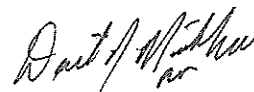
If you have any questions, please contact Steve Veenis at (505) 667-0013 (veenis@lanl.gov) or David Rhodes at (505) 665-5325 (david.rhodes@em.doe.gov).

Sincerely,



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

Sincerely,



Christine Gelles, Acting Manager
Environmental Management
Los Alamos Field Office

AMD/CDG/SJV:sm

Enclosures: One hard copy with electronic files – Completion of Corrective Action at Site 00-018(a) in P-SMA-3.05 and Completion of Corrective Action at Sites 73-002 and 73-003 in P-SMA-2 (EP2015-0066)

Cy: (w/enc.)

David Rhodes, DOE-EM-LA, MS A316
Steve Veenis, 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
PRS Database

Cy: (w/o enc./date-stamped letter emailed)

lasomailbox@nnsa.doe.gov
Annette Russell, DOE-EM-LA
Kimberly Davis Lebak, DOE-NA-LA
Karen Armijo, DOE-EM-LA
David Rhodes, DOE-EM-LA
Dave McInroy, ADEP ER Program
Randy Erickson, ADEP
Terrill Lemke, ADESH-ENV-CP
Tony Grieggs, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Michael Lansing, PADOPS

**Completion of Corrective Action
at Site 00-018(a)
in P-SMA-3.05**

April 16, 2015

NPDES PERMIT NO. NM0030759

LA-UR-15-22215

NPDES PERMIT NO. NM0030759

LA-UR-15-22215

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: P009

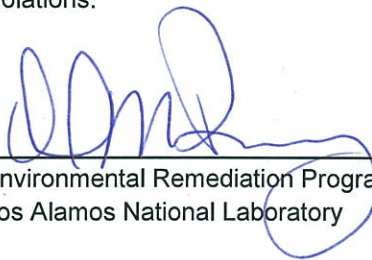
P-SMA-3.05

Site: 00-018(a)

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 Remediation Program
Los Alamos National Laboratory

4/2/2015

Date



Environmental Management
Los Alamos Field Office

4-15-2015

Date

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

PF: P009**P-SMA-3.05****Site: 00-018(a)**

This certificate indicates completion of corrective action for Site 00-018(a) 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/corrective action complete with controls” status under the Compliance Order on Consent (the Consent Order). Analytical results obtained from baseline confirmation monitoring at P-SMA-3.05 exceeded target action levels for total polychlorinated biphenyls (PCBs) and copper, causing the Permittees to initiate corrective action. The Permittees are certifying completion of correction action at Site 00-018(a) 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 00-018(a), which is designated as Solid Waste Management Unit 00-018(a) for the purposes of the Consent Order.

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

Site Number	Associated SMA Number	Watershed	Site Priority
00-018(a)	P-SMA-3.05	Los Alamos/Pueblo	High

Attachment 1

Certificate of Completion for Site 00-0018(a)



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us



RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

January 28, 2015

Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Field Office, DOE
3747 West Jemez Rd, MS A316
Los Alamos, NM 87544

Michael Brandt, Associate Director
Environment, Safety, Health
Los Alamos National Laboratory
P.O. Box 1663, MS K491
Los Alamos, NM 87545

**RE: CERTIFICATE OF COMPLETION
ONE SOLID WASTE MANAGEMENT UNIT 00-018(A)
PUEBLO CANYON AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-14-070**

Dear Messrs. Maggiore and 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 for One Solid Waste Management Unit in the Pueblo Canyon Aggregate Area-SWMU 00-018(a)* (Request), dated October 21, 2014 and referenced by ADESH-14-101.

Solid waste management unit (SWMU) 00-018(a) was recommended for corrective action complete without controls in the report entitled *Phase II Investigation Report for the Pueblo Canyon Aggregate Area* (Report), dated September 2010 (LA-UR-10-6411/EP2010-0384). NMED issued an Approval with Modification (AWM) for the Report on December 23, 2010.

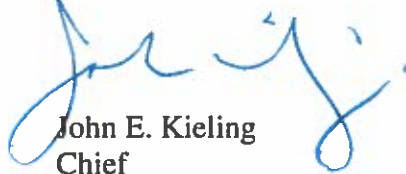
SWMU 00-018(a) is the sludge bed of the decommissioned Pueblo Canyon wastewater treatment plant located on Los Alamos County property. The plant was built between 1946 and 1948, began operating in 1951, and was decommissioned during 1991 and 1992. Final decontamination and decommissioning of the plant occurred in 2008. The plant primarily received waste from residential and business properties, including the Los Alamos Medical Center. The plant may have received waste from the Technical Area-43, Health Research

Laboratory. Investigations conducted during 1996 and 2006-2007 indicated that there are no potential unacceptable risks or doses from the residual contamination for the recreational and residential land use scenarios. At NMED's direction the Permittees evaluated the vapor-intrusion pathway as part of the residential land use scenario. The results of the evaluation did not change the conclusions presented in the Report. The results of the ecological risk-screening assessment indicated no potential unacceptable risk to ecological receptors.

NMED has determined that SWMU 00-018(a) qualifies for corrective action complete without controls status. If new information becomes available that indicates that SWMU 00-018(a) may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action.

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

Sincerely,



John E. Kielling
Chief

Hazardous Waste Bureau

cc: K. Roberts, NMED-RPD
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2015 LANL, Certificate of Completion for 00-018(a)
LANL 14-070

**Completion of Corrective Action
at Sites 73-002 and 73-003
in P-SMA-2**

April 16, 2015

NPDES PERMIT NO. NM0030759

LA-UR-15-22214

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

PF: P006

P-SMA-2

Sites: 73-002 and 73-003

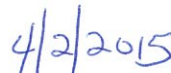
The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.2, which requires the Permittees (i.e., DOE and LANS) to certify the completion of corrective action.

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 Remediation Program
Los Alamos National Laboratory



Date



Environmental Management
Los Alamos Field Office



Date

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

PF: P006**P-SMA-2****Sites: 73-002 and 73-003**

This certificate indicates completion of corrective action for Sites 73-002 and 73-003 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).

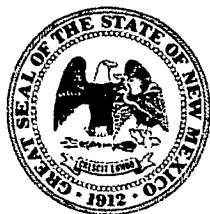
Table 1 presents the Sites achieving Resource Conservation and Recovery Act “corrective action complete without controls/corrective action complete with controls” status under the Compliance Order on Consent (the Consent Order). Analytical results obtained from baseline confirmation monitoring at P-SMA-2 exceeded target action levels for gross alpha, causing the Permittees to initiate corrective action. The Permittees are certifying completion of correction action at Sites 73-002 and 73-003 through a demonstration that the Sites 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 Sites 73-002 and 73-003 which are designated as Solid Waste Management Unit 73-002 and Area of Concern 73-003, respectively, for the purposes of the Consent Order.

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

Site Number	Associated SMA Number	Watershed	Site Priority
73-002	P-SMA-2	Los Alamos/Pueblo	Moderate
73-003	P-SMA-2	Los Alamos/Pueblo	Moderate

Attachment 1

Certificate of Completion for Sites 73-002 and 73-003



BILL RICHARDSON
Governor

DIANE DENISH
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

07 AUG 16 AM 10:16
Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1

Santa Fe, New Mexico 87505-6303

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

www.nmenv.state.nm.us



CT 07-090
ERID-98441
RON CURRY
Secretary

CINDY PADILLA
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 13, 2007

David Gregory
Federal Project Director
Los Alamos Site Office
Department of Energy
528 35th Street, Mail Stop A316
Los Alamos, NM 87544

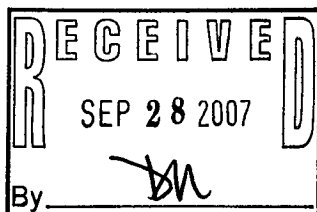
David McInroy
Remediation Services Deputy Project Director
Los Alamos National Laboratory
P.O. Box 1663, MS M992
Los Alamos, NM 87545

**RE: APPROVAL OF THE INVESTIGATION REPORT FOR CONSOLIDATED UNIT
73-002-99 AND CORRECTIVE ACTION OF SOLID WASTE MANAGEMENT
UNIT 73-002, AT TECHNICAL AREA 73, LOS ALAMOS NATIONAL
LABORATORY (LANL),
EPA ID #NM0890010515
HWB-LANL-07-016**

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security LLC's (LANS) (collectively, the Permittees) *Investigation Report for Consolidated Unit 73-002-99 and Corrective Action of Solid Waste Management Unit 73-002, at Technical Area 73* (Report), dated July 2007 and referenced by LA-UR-07-4479/EP2006-1079. NMED has reviewed this document and hereby issues this Notice of Approval.

Consolidated Unit (CU) 73-002-99 is comprised of the following Solid Waste Management Units (SWMUs) and Area of Concern (AOC):



- SWMU 73-002 is a former incinerator and surface disposal area,
- AOC 73-003 is a former steam-cleaning facility (former building 00-1123) for garbage trucks,
- SWMU 73-004(a) is a former septic system that received sanitary waste from toilets and showers in the incinerator building,
- SWMU 73-004(b) was a concrete septic tank that discharged wash water from the steam-cleaning plant through a 6-in. vitrified clay pipe (VCP) drainline to an outfall on the slope of Pueblo Canyon and,
- SWMU 73-006 consisted of two drainlines that discharged to Pueblo Canyon from the incinerator.

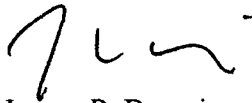
NMED has determined that the requirements of the March 1, 2005 Order on Consent (Order) have been satisfied for these sites. This letter serves as a "Corrective Action Complete with Controls" certificate of completion for SWMUs 73-002, 73-004(a), 73-004(b), 73-006, and AOC 73-003 pursuant to Section VII.E.6.b of the Order.

Although levels of arsenic in discrete locations exceed applicable residential cleanup levels (e.g., 13.2 mg/kg at location 73-27314 at SWMU 73-002 and 13 mg/kg at location 73-02216 at SWMU 73-004(b)), these locations are virtually inaccessible to human or ecological receptors. However, the potential for transport of contaminants down gradient via storm water exists. The Permittees shall therefore install permanent and appropriate storm water controls, which will prevent the down gradient transport of contaminants via storm water. The Permittees must submit a work plan for installation of the storm water controls by September 30, 2007. The work plan shall include a description of all controls proposed for installation at CU 73-002-99 and a proposed inspection schedule for the proposed controls. If the Permittees choose to remove any soil/tuff containing arsenic concentrations above residential screening levels in the future, NMED will consider withdrawal of the control requirement.

Messrs. Glenn and Watkins
August 13, 2007
Page 3

Please contact Kathryn Roberts at (505) 476-6041 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Bearzi', with a stylized flourish at the end.

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
K. Roberts, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
G. Rael, DOE LASO, MS A316
S. Stiger, ENV MS J591
file: Reading and LANL TA-50 '07 (SWMU; 50-009)