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Date: **SEP 26 2016**

Refer To: ADESH-16-121

LAUR: 16-26789

Locates Action No.: n/a

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

Subject: NPDES Permit No. NM0030759 – Analytical Results for Site 03-003(k) in Site Monitoring Area 2M-SMA-2.2 after Certification of a No Exposure Condition

Dear Ms. Johnsey:

These documents are 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. As specified in Part I, Section E.1(b):

If the Permittees decide to achieve corrective action under this Section through installation of measures to totally eliminate exposure of pollutants to storm water at a Site, Permittees will be in compliance with this Permit at that Site once they have certified and demonstrated to EPA [the U.S. Environmental Protection Agency], through submission of certified as-built drawings, that such measures have been properly installed to perform their function to totally eliminate exposure of pollutants to storm water, and no further confirmation sampling is required, unless required by Section E.5(c). Thereafter, Permittees shall collect one sample and make the analytical results available via email notification and on the public website pursuant to Section I.7 of the Permit.

Accordingly, the analytical results from the sample collected from the first measurable storm event following the completion of corrective action by certification of a no exposure at Site 03-003(k) in site monitoring area 2M-SMA-2.2 are presented in the attachment. This certified document can be accessed at the following website <http://www.lanl.gov/> and searching under the key words "Individual Permit."

Table 1
Results from the First Measurable Storm Event
after Certification of a No Exposure Condition

Watershed	Site Number	SMA Number	Permitted Feature
Pajarito	03-003(k)	2M-SMA-2.2	E013

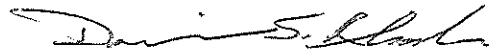
If you have any questions, please contact Terrill Lemke at (505) 665-2397 (tlemke@lanl.gov) or David Rhodes at (505) 665-5325 (david.rhodes@em.doe.gov).

Sincerely,



John Bretzke, Division Leader
 Environmental Protection & Compliance Division
 Los Alamos National Laboratory

Sincerely,



David S. Rhodes, Director
 Office of Quality and Regulatory Compliance
 Environmental Management
 Los Alamos Field Office

JB/DH/BR/SV:sm

Attachments: One hard copy with electronic files – Analytical results from the first measurable storm event after certification of a no exposure condition (see individual document for LA-UR number)

Cy: (w/att.)

Bruce Yurdin, NMED-SWQB, P. O. Box 5469, Santa Fe, NM 87502

Cy: (w/electronic att.)

Laurie King, EPA Region 6, Dallas, TX
 Sarah Holcomb, NMED-SWQB
 Steve Yanicak, NMED-DOE-OB, MS M894
 emla.docs@em.doe.gov
 Terrill Lemke, ADESH-EPC-CP
 Public Reading Room (EPRR)
 ADESH Records
 PRS Database

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

Everett Spencer, EPA Region 6
 Issac Chen, EPA Region 6
 Brent Larsen, EPA Region 6
 lasomailbox@nnsa.doe.gov
 Kimberly Davis Lebak, DOE-NA-LA
 Peter Maggiore, DOE-NA-LA
 David Rhodes, DOE-EM-LA
 Steve Veenis, ADEM ER Program
 Bruce Robinson, ADEM ER Program
 Mike Saladen, ADESH-EPC-CP
 John Bretzke, ADESH-EPC-DO
 Michael Brandt, ADESH
 William Mairson, PADOPS
 Craig Leasure, PADOPS

**Analytical Results Following Completion of
Corrective Action by Certification
of a No Exposure Condition
at Site 03-003(k) in 2M-SMA-2.2**

September 26, 2016

NPDES PERMIT NO. NM0030759

LA-UR-16-26789

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

PF: E013

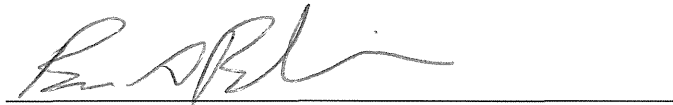
2M-SMA-2.2

Site: 03-003(k)

The following certification of completion of corrective action 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."



Associate Directorate of Environmental Management
Environmental Remediation Program
Los Alamos National Laboratory

Sept. 8, 2016

Date



Environmental Management
U.S. Department of Energy

9-23-2016
Date

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

PF: E013

2M-SMA-2.2

Site: 03-003(k)

Tables 1 and 2 present the analytical results received from the confirmation monitoring sample collected following the completion of corrective action by certification of a no exposure condition at Site 03-003(k) in site monitoring area (SMA) 2M-SMA-2.2. The certification of a no exposure condition with as-built drawings was provided to the U.S. Environmental Protection Agency on September 29, 2015 (ADESH-15-128/LA-UR-15-26031). Table 3 presents each applicable target action level (TAL) for the analytes monitored.

**Table 1
Radiochemical Analytical Results Collected on July 1, 2016,
Following Completion of Corrective Action
at Site 03-003(k) in SMA 2M-SMA-2.2**

Sample ID	Analyte	Field Preparation	Detect Status	Result (pCi/L)	TAL Exceedance Ratio	Minimum Detectable Activity (pCi/L)	Uncertainty (pCi/L)	Qualifier*	Data Validation Date
WT_IPC-16-115848	Gross alpha	Unfiltered	Detect	37.9	2.527	4.8	2.48	NQ	8/10/2016
WT_IPC-16-115848	Radium-226 and Radium-228	Unfiltered	Detect	3.16	0.105	1.721	0.662	NQ	8/10/2016

* Qualifier: NQ = Result is not qualified.

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

PF: E013

2M-SMA-2.2

Site: 03-003(k)

**Table 2
Metals and Organic Analytical Results Collected on July 1, 2016,
Following Completion of Corrective Action
at Site 03-003(k) in SMA 2M-SMA-2.2**

Sample ID	Analyte	Field Preparation	Detect Status	Result (µg/L)	TAL Exceedance Ratio	Report Method Detection Limit (µg/L)	Report Detection Limit (µg/L)	Validation Qualifier	Data Validation Date
WT_IPC-16-115848	Total PCBs	Unfiltered	Detect	0.0411	64.219	n/a ^a	n/a	J+ ^b	8/9/2016
WT_IPC-16-115848	Cyanide, weak acid dissociable	Unfiltered	Nondetect	1.67	n/a	1.67	5	U ^c	8/10/2016
WT_IPC-16-115848	Mercury, total	Unfiltered	Nondetect	0.067	n/a	0.067	0.2	U	8/10/2016
WT_IPC-16-115848	Selenium, total	Unfiltered	Nondetect	1.5	n/a	1.5	5	U	8/10/2016
WT_IPC-16-115854	Silver, dissolved	Filtered	Nondetect	0.2	n/a	0.2	1	U	8/10/2016
WT_IPC-16-115854	Aluminum, dissolved	Filtered	Detect	21.1	0.028	15	50	J	8/10/2016
WT_IPC-16-115854	Arsenic, dissolved	Filtered	Nondetect	1.7	n/a	1.7	5	U	8/10/2016
WT_IPC-16-115854	Boron, dissolved	Filtered	Nondetect	15	n/a	15	50	U	8/10/2016
WT_IPC-16-115854	Cadmium, dissolved	Filtered	Nondetect	0.11	n/a	0.11	1	U	8/10/2016
WT_IPC-16-115854	Cobalt, dissolved	Filtered	Nondetect	1	n/a	1	5	U	8/10/2016
WT_IPC-16-115854	Chromium, dissolved	Filtered	Nondetect	2	n/a	2	10	U	8/10/2016
WT_IPC-16-115854	Copper, dissolved	Filtered	Detect	4.8	1.116	0.35	1	NQ ^d	8/10/2016
WT_IPC-16-115854	Nickel, dissolved	Filtered	Nondetect	0.5	n/a	0.5	2	U	8/10/2016
WT_IPC-16-115854	Lead, dissolved	Filtered	Nondetect	0.5	n/a	0.5	2	U	8/10/2016
WT_IPC-16-115854	Antimony, dissolved	Filtered	Nondetect	1	n/a	1	3	U	8/10/2016
WT_IPC-16-115854	Thallium, dissolved	Filtered	Nondetect	0.45	n/a	0.45	2	U	8/10/2016
WT_IPC-16-115854	Vanadium, dissolved	Filtered	Nondetect	1	n/a	1	5	U	8/10/2016
WT_IPC-16-115854	Zinc, dissolved	Filtered	Detect	40.8	0.971	3.3	10	NQ	8/10/2016

^a n/a = Not applicable.^b Qualifier: J = Result is estimated.^c Qualifier: U = Result is not detected.^d Qualifier: NQ = Result is not qualified.

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

PF: E013

2M-SMA-2.2

Site: 03-003(k)

**Table 3
Applicable TALs**

Analyte	Units	CAS No.	MQL	ATAL	MTAL
Gross alpha	pCi/L	n/a*	n/a	15	n/a
Radium-226 and Radium-228	pCi/L	n/a	n/a	30	n/a
Aluminum	µg/L	7429-90-5	2.5	n/a	750
Antimony	µg/L	7440-36-0	60	640	n/a
Arsenic	µg/L	7440-38-2	0.5	9	340
Boron	µg/L	7440-42-8	100	5000	n/a
Cadmium	µg/L	7440-43-9	1	n/a	0.6
Chromium	µg/L	7440-47-3	10	n/a	210
Cobalt	µg/L	7440-48-4	50	1000	n/a
Copper	µg/L	7440-50-8	0.5	n/a	4.3
Lead	µg/L	7439-92-1	0.5	n/a	17
Mercury	µg/L	7439-97-6	0.005	0.77	1.4
Nickel	µg/L	7440-02-0	0.5	n/a	170
Selenium	µg/L	7782-49-2	5	5	20
Silver	µg/L	7440-22-4	0.5	n/a	0.4
Thallium	µg/L	7440-28-0	0.5	6.3	n/a
Vanadium	µg/L	7440-62-2	50	100	n/a
Zinc	µg/L	7440-66-6	20	n/a	42
Total PCB	µg/L	1336-36-3	n/a	0.00064	n/a

Notes: CAS = Chemical Abstracts Service; MQL = minimum quantification level; ATAL = average TAL; MTAL = maximum TAL.

*n/a – Value is not applicable