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Date: AUG 31 2016
Refer To: ADESH-16-108
LAUR: 16-26363
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 – Submittal of Analytical Results for Site 03-013(a) in Site Monitoring Area S-SMA-0.25 after Certification of a No Exposure Condition

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. As specified in Part I, Section E.l(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 03-013(a) in site monitoring area S-SMA-0.25 are presented in the attachment. The analytical results can be accessed at the following website: http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php.

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/DR/BR/SV:sm

Attachment: One hard copy with electronic files – Analytical Results for Site 03-013(a) in Site Monitoring Area S-SMA-0.25 after Certification of a No Exposure Condition

Cy: (w/att.)
Bruce Yurdin, NMED-SWQB, P. O. Box 5469, Santa Fe, NM 87502

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Public Reading Room (EPRR)
ADESH Records
PRS Database

Cy: (w/o att./date-stamped letter emailed)
Everett Spencer, EPA Region 6
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Peter Maggiore, DOE-NA-LA
David Rhodes, DOE-EM-LA
Tadz Kostrubala, ADEM ER Program
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 03-013(a) in S-SMA-0.25

August 31, 2016

NPDES PERMIT NO. NM0030759

LA-UR-16-26363
EP2016-0108

NPDES PERMIT NO. NM0030759 **LA-UR-16-26363**

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: S001 **S-SMA-0.25** **Site: 03-013(a)**

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."

8/18/2016

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

Date

8-31-2016

Environmental Management
U.S. Department of Energy

Date

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: S001 **S-SMA-0.25** **Site: 03-013(a)**

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 03-013(a) in site monitoring area (SMA) S-SMA-0.25. The certification of a no exposure condition with as-built drawings was provided to the U.S. Environmental Protection Agency on July 11, 2014 (EP2014-0303/LA-UR-14-23798). Table 3 presents each applicable target action level (TAL) for the analytes monitored.

Table 1
Radiochemical Analytical Results Collected on June 4, 2016,
Following Completion of Corrective Action
at Site 03-013(a) in SMA S-SMA-0.25

Field Sample ID	Parameter Name	Field Preparation	Detect Status	Result (pCi/L)	TAL Exceedance Ratio	Qualifier*	Uncertainty (pCi/L)	Minimum Detectable Activity (pCi/L)	Data Validation Date
WT_IPC-16-121865	Gross alpha	Unfiltered	Detect	28.5	1.9	J	2.11	3.77	7/7/2016
WT_IPC-16-121865	Radium-226 and Radium-228	Unfiltered	Nondetect	0.108	0.0036	U	0.19	1.068	7/7/2016

Note: TAL exceedance ratio is the result divided by the applicable TAL.

* Qualifier: U = Result is not detected; J = result is estimated.

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CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: S001 **S-SMA-0.25** **Site: 03-013(a)**

Table 2
Metals, Inorganic, and Organic Analytical Results Collected on June 4, 2016, Following Completion of Corrective Action at 03-013(a) in SMA S-SMA-0.25

Field Sample ID	Parameter Name	Field Preparation	Detect Status	Result (µg/L)	Qualifier[a]	TAL Exceedance Ratio	Method Detection Limit (µg/L)	Detection Limit (µg/L)	Data Validation Date
WT_IPC-16-121865	Cyanide, weak acid dissociable	Unfiltered	Detect	2.6	J	0.26	1.67	5	7/7/2016
WT_IPC-16-121866	Aluminum	Filtered	Detect	99.1	NQ	0.132	15	50	7/7/2016
WT_IPC-16-121866	Antimony	Filtered	Nondetect	1	U	n/a[b]	1	3	7/7/2016
WT_IPC-16-121866	Arsenic	Filtered	Nondetect	1.7	U	n/a	1.7	5	7/7/2016
WT_IPC-16-121866	Boron	Filtered	Detect	122	NQ	0.0244	15	50	7/7/2016
WT_IPC-16-121866	Cadmium	Filtered	Detect	0.164	J	0.164	0.11	1	7/7/2016
WT_IPC-16-121866	Chromium	Filtered	Nondetect	2	U	n/a	2	10	7/7/2016
WT_IPC-16-121866	Cobalt	Filtered	Detect	2.98	J	0.00298	1	5	7/7/2016
WT_IPC-16-121866	Copper	Filtered	Detect	40.4	NQ	9.4	0.35	1	7/7/2016
WT_IPC-16-121866	Lead	Filtered	Detect	0.866	J	0.051	0.5	2	7/7/2016
WT_IPC-16-121865	Mercury	Unfiltered	Nondetect	0.067	U	n/a	0.067	0.2	7/7/2016
WT_IPC-16-121866	Nickel	Filtered	Detect	3.81	NQ	0.022	0.5	2	7/7/2016
WT_IPC-16-121865	Selenium	Unfiltered	Nondetect	1.5	U	n/a	1.5	5	7/7/2016
WT_IPC-16-121866	Silver	Filtered	Nondetect	0.2	U	n/a	0.2	1	7/7/2016
WT_IPC-16-121866	Thallium	Filtered	Detect	0.486	J	0.077	0.45	2	7/7/2016
WT_IPC-16-121866	Vanadium	Filtered	Detect	4.53	J	0.045	1	5	7/7/2016
WT_IPC-16-121866	Zinc	Filtered	Detect	290	NQ	6.9	3.3	10	7/7/2016
WT_IPC-16-121865	Benzo(a)pyrene	Unfiltered	Nondetect	0.108	U	n/a	0.0323	0.108	7/7/2016
WT_IPC-16-121865	Hexachlorobenzene	Unfiltered	Nondetect	0.0217	U	n/a	0.00679	0.0217	7/7/2016
WT_IPC-16-121865	Pentachlorophenol	Unfiltered	Nondetect	10.8	U	n/a	3.23	10.8	7/7/2016
WT_IPC-16-121865	Total PCB[c]	Unfiltered	Detect	0.00173	NQ	2.7	n/a	n/a	7/6/2016

Note: TAL exceedance ratio is the result divided by the applicable TAL.

[a] Qualifier: NQ = Result is not qualified; U = result is not detected; J = result is estimated.

[b] n/a = Not applicable.

[c] PCBs = Polychlorinated biphenyls.

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CERTIFICATION OF COMPLETION OF CORRECTIVE ACTION

PF: S001 **S-SMA-0.25** **Site: 03-013(a)**

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
Benzo(a)pyrene	µg/L	50-32-8	5	n/a	19
Hexachlorobenzene	µg/L	118-74-1	5	0.18	n/a
Pentachlorophenol	µg/L	87-86-5	5	0.029	n/a
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