



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

SEP 10 15 PM 2:50



Environmental Management
 Los Alamos Field Office, MS A316
 3747 West Jemez Road
 Los Alamos, New Mexico 87544
 (505) 665-5658/FAX (505) 606-2132

Date: SEP 10 2015
 Refer To: ADESH-15-122
 LAUR: on each SMA
 Locates Action No.: N/A

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

Subject: NPDES Permit No. NM0030759 – Submittal of Certification of Installation of Enhanced Control Measures for Five Site Monitoring Areas

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. (c), "Permittees shall certify completion of installation of control measures under this subsection to EPA within 30 days of completion of all such measures at the Site...."

Accordingly, the certification documentation for enhanced control measures completed at five site monitoring areas (SMAs) is enclosed. The documentation is organized into SMA-specific reports (Table 1). Each report includes a signed certification statement, a list of the enhanced control measures installed at the SMA, a photograph of each enhanced control measure, and a site map. A copy of this report and the certified results are available from the "Regulatory Documents" link at the following website: <http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php>.

Table 1
List of SMAs in This Submittal of Certification
of Installation of Enhanced Control Measures

Site Number	SMA Number	Permitted Feature
06-001(b)	2M-SMA-1.44	E004
39-002(b) 39-004(c)	A-SMA-3	A006
15-008(d)	CDV-SMA-7	V013
33-004(h) 33-008(c) 33-011(d) 33-015	CHQ-SMA-1.02	Q002A
16-004(c)	W-SMA-8.71	W012A

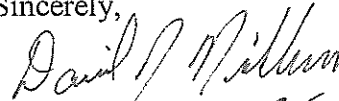
If you have any questions, please contact Terrill Lemke at (505) 665-2397 (tlemke@lanl.gov) or David Rhodes at (505) 665-5325 (david.rhodes@em.doe.gov).

Sincerely,



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

Sincerely,



Christine Gelles, Acting Manager
Environmental Management
Los Alamos Field Office

AD/CG/BR/SV:sm

Enclosures: One hard copy with electronic files – Certification of installation of enhanced control measures for five site monitoring areas (see individual document for LA-UR number)

Cy: (w/enc.)
Bruce Yurdin, NMED-SWQB, P.O. Box 5469, Santa Fe, NM 87502 (paper & electronic copy)
emla.docs@em.doe.gov, MS A316
Public Reading Room (EPRR)
ADESH Records

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Sarah Holcomb, NMED-SWQB
Steve Yanicak, NMED-DOE-OB, MS M894
Bill Foley, ADEP ER Program
PRS Database

Cy: (w/o enc./date-stamped letter emailed)
Everett Spencer, EPA Region 6
Brent Larsen, EPA Region 6
lasomailbox@nnsa.doe.gov
Kimberly Davis Lebak, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Annette Russell, DOE-EM-LA
David Rhodes, DOE-EM-LA
Tadz Kostrubala, ADEP ER Program
Steve Veenis, ADEP ER Program
Bruce Robinson, ADEP ER Program
Terrill Lemke, ADESH-ENV-CP
Mike Saladen, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Craig Leasure, PADOPS

**Certification of Installation of
Enhanced Control Measures
at 2M-SMA-1.44**

LA-UR-15-25019

[This page intentionally blank.]

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: E004

2M-SMA-1.44

Sites: 06-001(b)


The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

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."



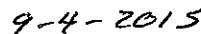
Environmental Programs
Environmental Remediation
Los Alamos National Laboratory



Date



Los Alamos Field Office
Environmental Management



Date

[This page intentionally blank.]

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: E004

2M-SMA-1.44

Sites: 06-001(b)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
E00403010011	Berms	Earthen Berm	46707-3.JPG
E00403010015	Berms	Earthen Berm	46707-6.JPG
E00403140016	Berms	Coir Log	46707-7.JPG
E00404060012	Channel/Swale	Rip Rap	46707-5.JPG
E00406010009	Check Dam	Rock Check Dam	46707-1.JPG
E00406010010	Check Dam	Rock Check Dam	46707-2.JPG
E00406010013	Check Dam	Rock Check Dam	46707-5.JPG
E00406010014	Check Dam	Rock Check Dam	46707-5.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: E004

2M-SMA-1.44

Sites: 06-001(b)

Photos:



Photo: 46707-1.JPG

E00406010009

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: E004

2M-SMA-1.44

Sites: 06-001(b)



Photo: 46707-2.JPG

E00406010010

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: E004

2M-SMA-1.44

Sites: 06-001(b)



Photo: 46707-3.JPG

E00403010011

Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: E004

2M-SMA-1.44

Sites: 06-001(b)



Photo: 46707-5.JPG

E00404060012 Channel/Swale

- Rip Rap

E00406010013 Check Dam

- Rock Check Dam

E00406010014 Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: E004

2M-SMA-1.44

Sites: 06-001(b)



Photo: 46707-6.JPG

E00403010015

Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: E004

2M-SMA-1.44

Sites: 06-001(b)



Photo: 46707-7.JPG

E00403140016

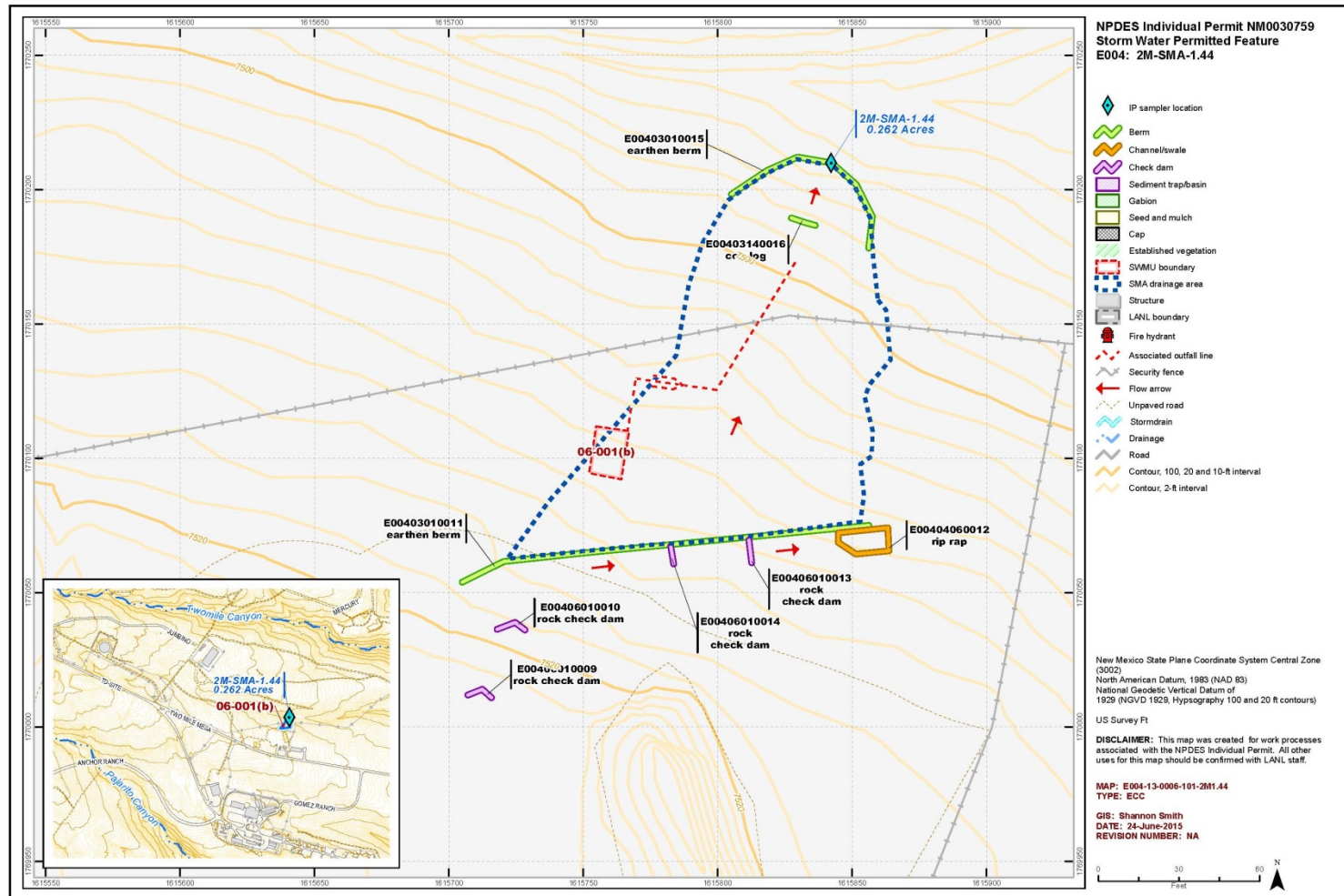
Berms

- Coir Log

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
2M-SMA-1.44**

PF: E004

Sites: 06-001(b)



**Certification of Installation of
Enhanced Control Measures
at CDV-SMA-7**

LA-UR-15-25197

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V013

CDV-SMA-7

Sites: 15-008(d)

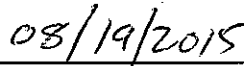
The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

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."



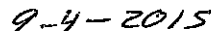
Environmental Programs
Environmental Remediation
Los Alamos National Laboratory



Date



Los Alamos Field Office
Environmental Management



Date

[This page intentionally blank.]

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: V013

CDV-SMA-7

Sites: 15-008(d)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
V01303140010	Berms	Coir Log	46791-5.JPG
V01303140011	Berms	Coir Log	46791-10.JPG
V01303140012	Berms	Coir Log	46791-10.JPG
V01303140013	Berms	Coir Log	46791-9.JPG
V01304010015	Channel/Swale	Earthen Channel/Swale	46791-8.JPG
V01306010014	Check Dam	Rock Check Dam	46791-7.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V013

CDV-SMA-7

Sites: 15-008(d)

Photos:



Photo: 46791-10.JPG

V01303140011 Berms

- Coir Log

V01303140012 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

LA-UR-15-25197

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V013

CDV-SMA-7

Sites: 15-008(d)



Photo: 46791-5.JPG

V01303140010

Berms

- Coir Log

NPDES PERMIT NO. NM0030759

LA-UR-15-25197

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V013

CDV-SMA-7

Sites: 15-008(d)



Photo: 46791-7.JPG

V01306010014

Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-25197

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V013

CDV-SMA-7

Sites: 15-008(d)



Photo: 46791-8.JPG

V01304010015

Channel/Swale

- Earthen Channel/Swale

NPDES PERMIT NO. NM0030759

LA-UR-15-25197

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF:V013

CDV-SMA-7

Sites: 15-008(d)



Photo: 46791-9.JPG

V01303140013

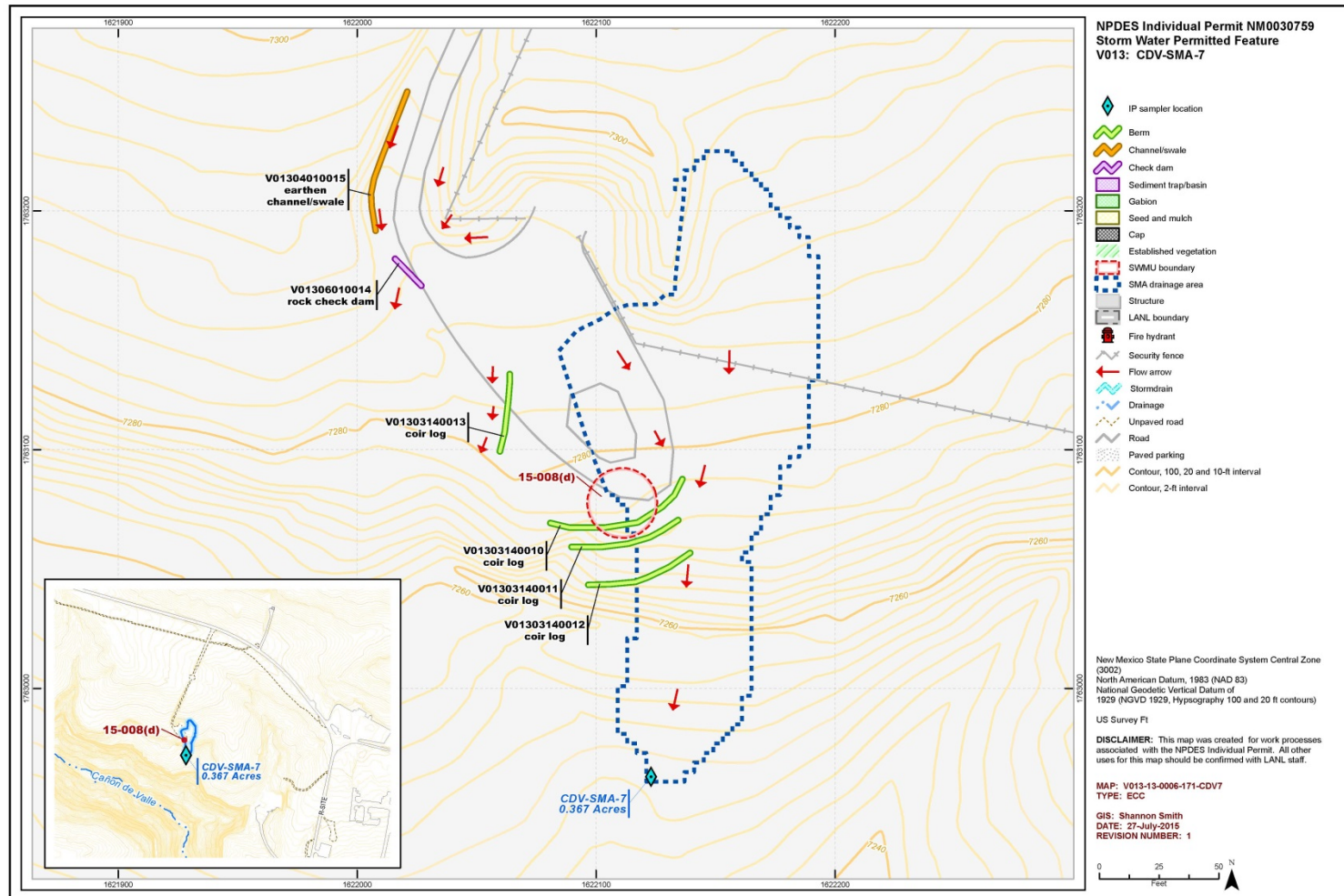
Berms

- Coir Log

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
CDV-SMA-7

PF: V013

Sites: 15-008(d)



**Certification of Installation of
Enhanced Control Measures
at A-SMA-3**

LA-UR-15-24160

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)

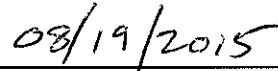
The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

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."



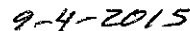
Environmental Programs
Environmental Remediation
Los Alamos National Laboratory



Date



Los Alamos Field Office
Environmental Management



Date

[This page intentionally blank.]

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES****PF: A006****A-SMA-3****Sites: 39-002(b)
39-004(c)**

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
A00603020023	Berms	Base Course Berm	46339-3.JPG
A00603140026	Berms	Coir Log	46339-7.JPG
A00603150027	Berms	Redi-Rock Berm	46339-8.JPG
A00604010022	Channel/Swale	Earthen Channel/Swale	46339-2.JPG
A00604030025	Channel/Swale	Rock Channel/Swale	46339-6.JPG
A00604060024	Channel/Swale	Rip Rap	46339-5.JPG
A00606010028	Check Dam	Rock Check Dam	46339-9.JPG
A00608020029	Cap	Rock Cap	46339-10.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)

Photos:



Photo: 46339-10.JPG

A00608020029 Cap

- Rock Cap

NPDES PERMIT NO. NM0030759

LA-UR-15-24160

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-2.JPG

A00604010022

Channel/Swale

- Earthen Channel/Swale

NPDES PERMIT NO. NM0030759

LA-UR-15-24160

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-3.JPG

A00603020023

Berms

- Base Course Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-5.JPG

A00604060024

Channel/Swale

- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-6.JPG

A00604030025

Channel/Swale

- Rock Channel/Swale

NPDES PERMIT NO. NM0030759

LA-UR-15-24160

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-7.JPG

A00603140026

Berms

- Coir Log

NPDES PERMIT NO. NM0030759

LA-UR-15-24160

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-8.JPG

A00603150027

Berms

- Redi-Rock Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-24160

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: A006

A-SMA-3

Sites: 39-002(b)
39-004(c)



Photo: 46339-9.JPG

A00606010028

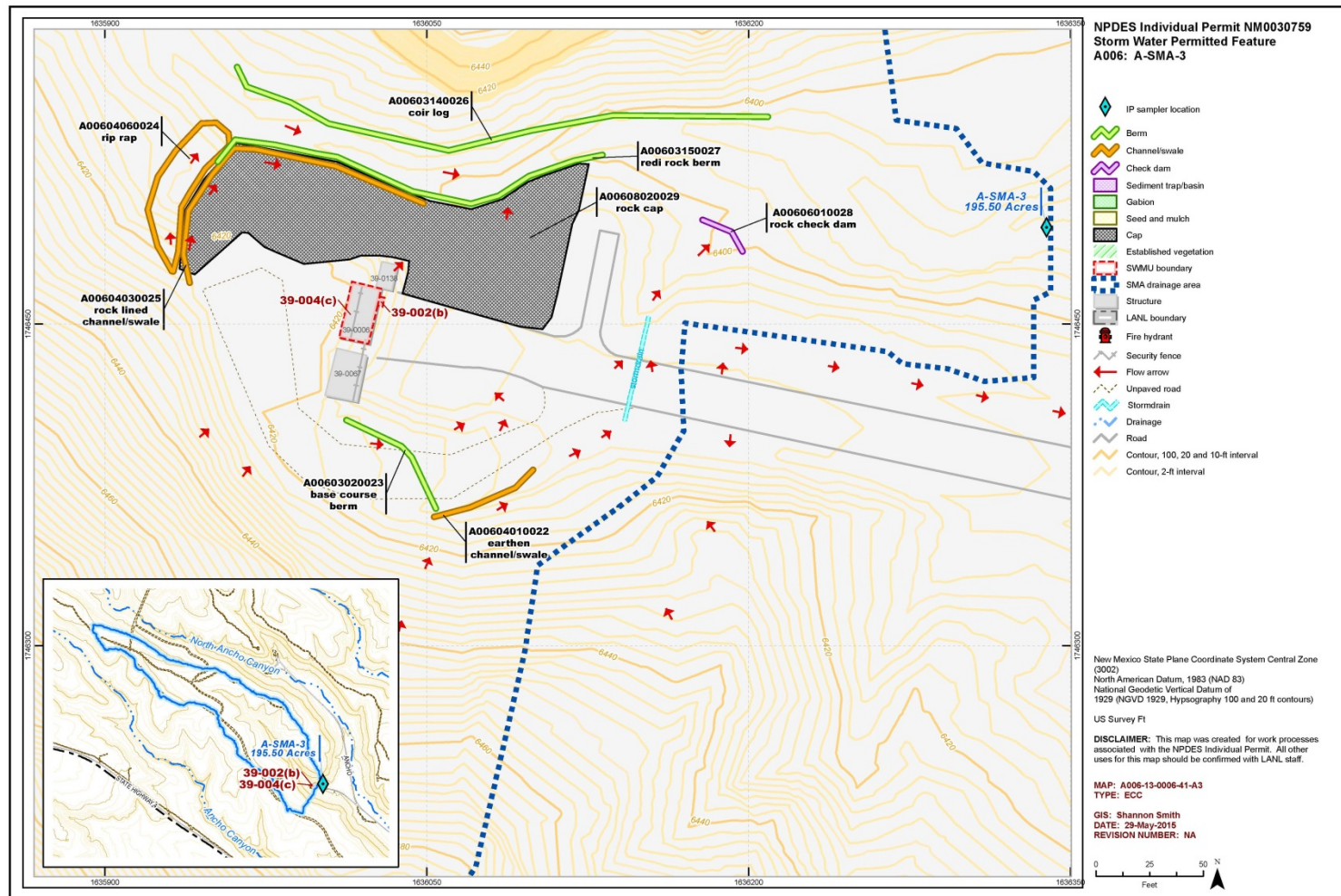
Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY CERTIFICATION OF ENHANCED CONTROL MEASURES A-SMA-3

PF: A006

Sites: 39-002(b)
39-004(c)



**Certification of Installation of
Enhanced Control Measures
at CHQ-SMA-1.02**

LA-UR-15-21555

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q002A




CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

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
Environmental Remediation
Los Alamos National Laboratory
Date
Los Alamos Field Office
Environmental Management
Date

[This page intentionally blank.]

NPDES PERMIT NO. NM0030759

LA-UR-15-21555

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q002A

CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:

BMP ID	Type of Control Measure	Control Measure	Photo ID
Q002A03150014	Berms	Redi-Rock Berm	37973-8.JPG

NPDES PERMIT NO. NM0030759

LA-UR-15-21555

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: Q002A

CHQ-SMA-1.02

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015



Photo: 37973-8.JPG

Q002A03150014

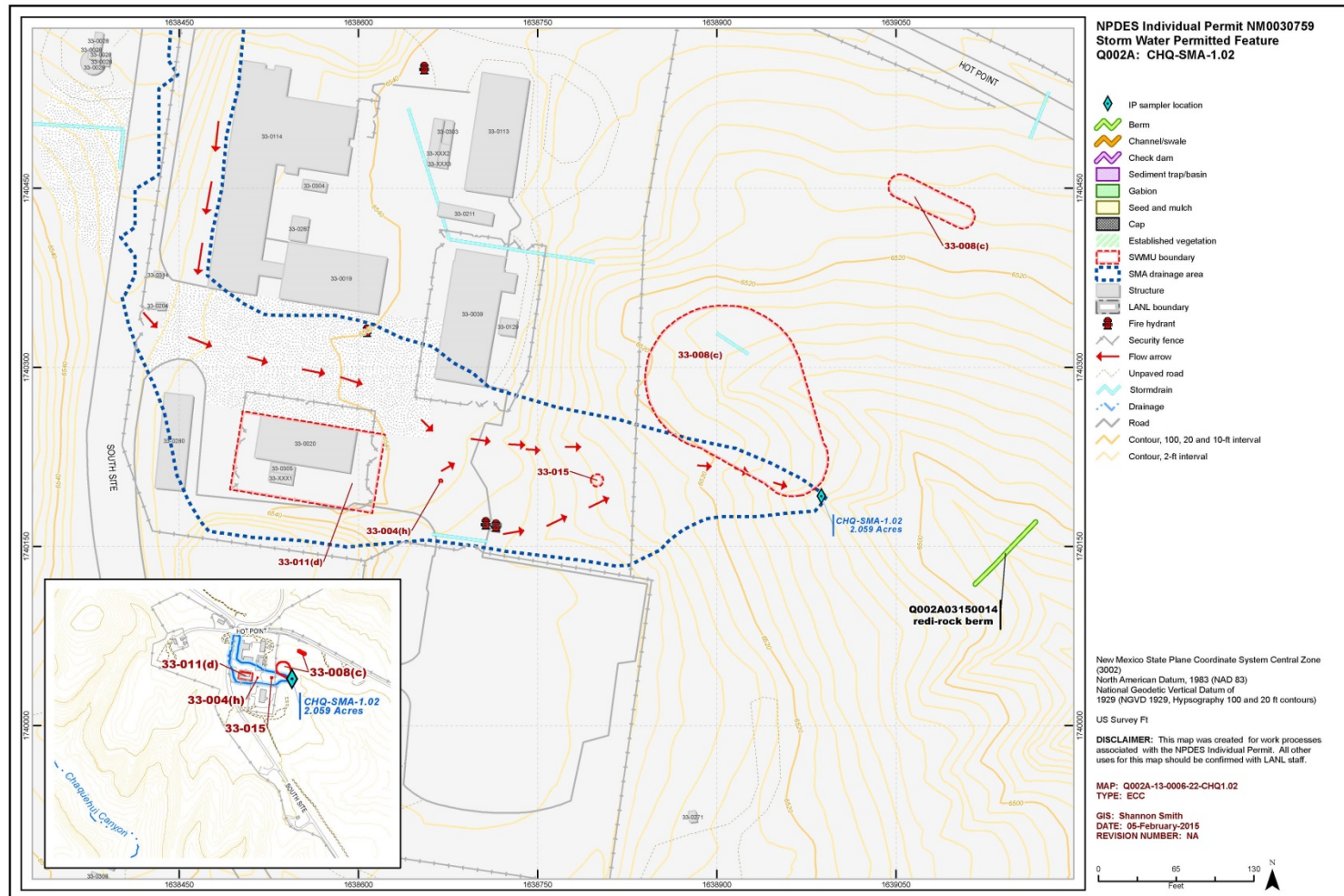
Berms

- Redi-Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
CHQ-SMA-1.02

PF: Q002A

Sites: 33-004(h)
33-008(c)
33-011(d)
33-015



**Certification of Installation of
Enhanced Control Measures
at W-SMA-8.71**

LA-UR-15-25521

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF:W012A

W-SMA-8.71

Sites: 16-004(c)


The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. EM-LA and ER) to certify the completion of the installation of control measures within 30 days of completion of the installation of all such measures at the site.

CERTIFICATION STATEMENT OF AUTHORIZATION

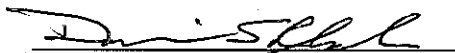
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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."



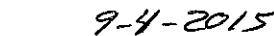
Environmental Programs
Environmental Remediation
Los Alamos National Laboratory



Date



Los Alamos Field Office
Environmental Management



Date

[This page intentionally blank.]

**LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES**

PF: W012A

W-SMA-8.71

Sites: 16-004(c)

In accordance with Part I.E.1 (a), the design, installation, and documentation of enhanced control measures reasonably expected to achieve compliance with target action levels identified in the Permit for all Sites within the identified SMA drainage area have been completed.

Enhanced Control Measure Description:			
BMP ID	Type of Control Measure	Control Measure	Photo ID
W012A03010007	Berms	Earthen Berm	46536-1.JPG

Photos:

**Photo:** 46536-1.JPG

W012A03010007

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-25521

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
W-SMA-8.71

PF: W012A

Sites: 16-004(c)

