



Associate Director for ESH
Environment, Safety, and Health
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87545
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SEP 29 15 AM 11:51



ESHID-600931

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 29 2015**
Refer To: ADESH-15-142
LAUR: on each SMA
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 Certification of Installation of Enhanced Control Measures for Four Site Monitoring Areas

Dear Ms. Johnsey:

The enclosed are certification documentation for enhanced control measures completed at four site monitoring areas (SMAs). 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...."

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
16-010(b)	CDV-SMA-2.42	V008A
36-004(c)	F-SMA-2	F001
15-008(f) 36-003(b) 36-004(e)	PT-SMA-2	I004
16-026(h2) 16-029(e)	W-SMA-7	W008

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

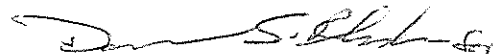
Sincerely,



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

AD/DH/BR/SV/TL:sm

Sincerely,



Douglas E. Hintze, Manager
Environmental Management
Los Alamos Field Office

Enclosures: One hard copy with electronic files – Certification of Installation of Enhanced Control Measures for Four 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)
Everett Spencer, EPA Region 6
Brent Larsen, EPA Region 6
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, ER Program
PRS Database

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

lasomailbox@nnsa.doe.gov
Kimberly Davis Lebak, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Annette Russell, DOE-EM-LA
Karen Armijo, DOE-EM-LA
David Rhodes, DOE-EM-LA
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 CDV-SMA-2.42**

LA-UR-15-26896

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V008A


CDV-SMA-2.42

Sites: 16-010(b)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. DOE and LANS) 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

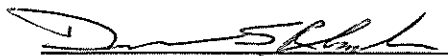
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

09/15/2015

Date



Los Alamos Field Office
Environmental Management
U.S. Department of Energy

9-28-2015

Date

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

PF: V008A

CDV-SMA-2.42

Sites: 16-010(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
V008A01030022	Seed and Mulch	Hydromulch	50119-1.jpg
V008A03010021	Berms	Earthen Berm	50119-1.jpg
V008A03010024	Berms	Earthen Berm	50119-6.jpg
V008A04040023	Channel/Swale	Culvert	50119-1.jpg

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V008A

CDV-SMA-2.42

Sites: 16-010(b)

Photos:



Photo: 50119-1.jpg

V008A01030022	Seed and Mulch	- Hydromulch
V008A03010021	Berms	- Earthen Berm
V008A04040023	Channel/Swale	- Culvert

NPDES PERMIT NO. NM0030759

LA-UR-15-26896

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: V008A

CDV-SMA-2.42

Sites: 16-010(b)



Photo: 50119-6.jpg

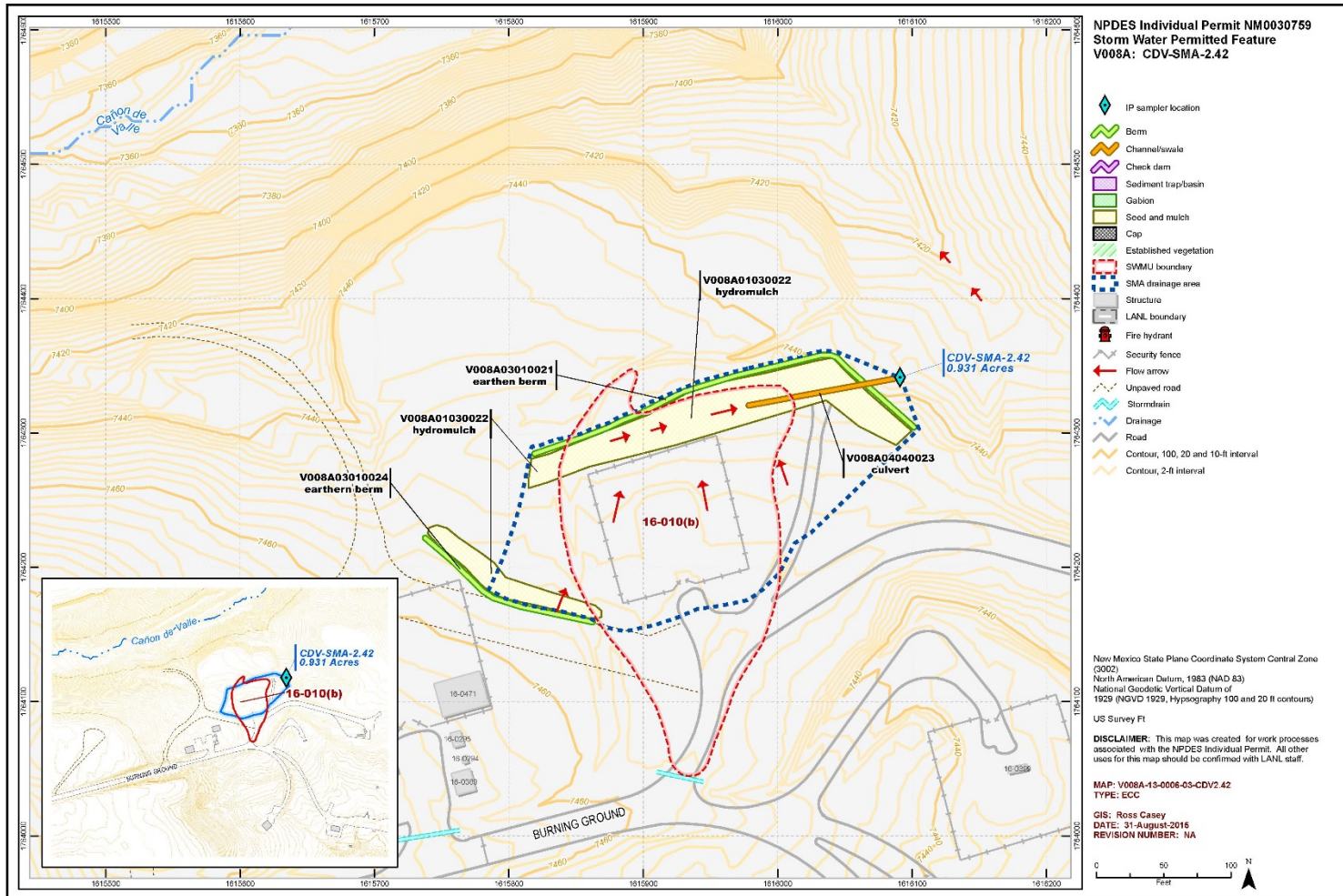
V008A03010024 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
CDV-SMA-2.42

PF: V008A

Sites: 16-010(b)



**Certification of Installation of
Enhanced Control Measures
at F-SMA-2**

LA-UR-15-26831

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. DOE and LANS) 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

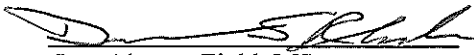
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Environmental Programs
Environmental Remediation
Los Alamos National Security, LLC

09/15/2015

Date



Los Alamos Field Office
Environmental Management
U.S. Department of Energy

9-28-2015

Date

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

PF: F001

F-SMA-2

Sites: 36-004(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
F00103010025	Berms	Earthen Berm	49929-13.JPG
F00103010026	Berms	Earthen Berm	49929-14.JPG
F00103010027	Berms	Earthen Berm	49929-15.JPG
F00103010028	Berms	Earthen Berm	49929-16.JPG
F00103010029	Berms	Earthen Berm	49929-17.JPG
F00103010030	Berms	Earthen Berm	49929-17.JPG
F00103010031	Berms	Earthen Berm	49929-18.JPG
F00103010036	Berms	Earthen Berm	49929-23.JPG
F00103010037	Berms	Earthen Berm	49929-23.JPG
F00103010039	Berms	Earthen Berm	49929-25.JPG
F00103010040	Berms	Earthen Berm	49929-2.JPG
F00103010041	Berms	Earthen Berm	49929-1.JPG
F00103010042	Berms	Earthen Berm	49929-3.JPG
F00103010043	Berms	Earthen Berm	49929-4.JPG
F00103010044	Berms	Earthen Berm	49929-5.JPG
F00103120021	Berms	Rock Berm	49929-10.JPG
F00103120023	Berms	Rock Berm	49929-11.JPG

LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)

F00104010038	Channel/Swale	Earthen Channel/Swale	49929-24.JPG
F00104050032	Channel/Swale	Water Bar	49929-19.JPG
F00104050033	Channel/Swale	Water Bar	49929-20.JPG
F00104060034	Channel/Swale	Rip Rap	49929-21.JPG
F00105060022	Sediment Traps and Basins	Infiltration Basin	49929-11.JPG

Photos:



Photo: 49929-1.JPG

F00103010041 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-10.JPG
F00103120021 Berms

- Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-11.JPG

F00103120023 Berms

- Rock Berm

F00105060022 Sediment Traps and Basins

- Infiltration Basin

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-13.JPG
F00103010025 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-14.JPG
F00103010026 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-15.JPG
F00103010027 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-16.JPG
F00103010028 Berns

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-17.JPG

F00103010029 Berms

- Earthen Berm

F00103010030 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-18.JPG
F00103010031 Berns

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-19.JPG

F00104050032

Channel/Swale

- Water Bar

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-2.JPG
F00103010040 Bems

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-20.JPG

F00104050033

Channel/Swale

- Water Bar

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-21.JPG

F00104060034

Channel/Swale

- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-23.JPG

F00103010036 Berms

- Earthen Berm

F00103010037 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-24.JPG

F00104010038

Channel/Swale

- Earthen Channel/Swale

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-25.JPG
F00103010039 Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-3.JPG

F00103010042 Bems

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



Photo: 49929-4.JPG
F00103010043 Berns

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26831

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: F001

F-SMA-2

Sites: 36-004(c)



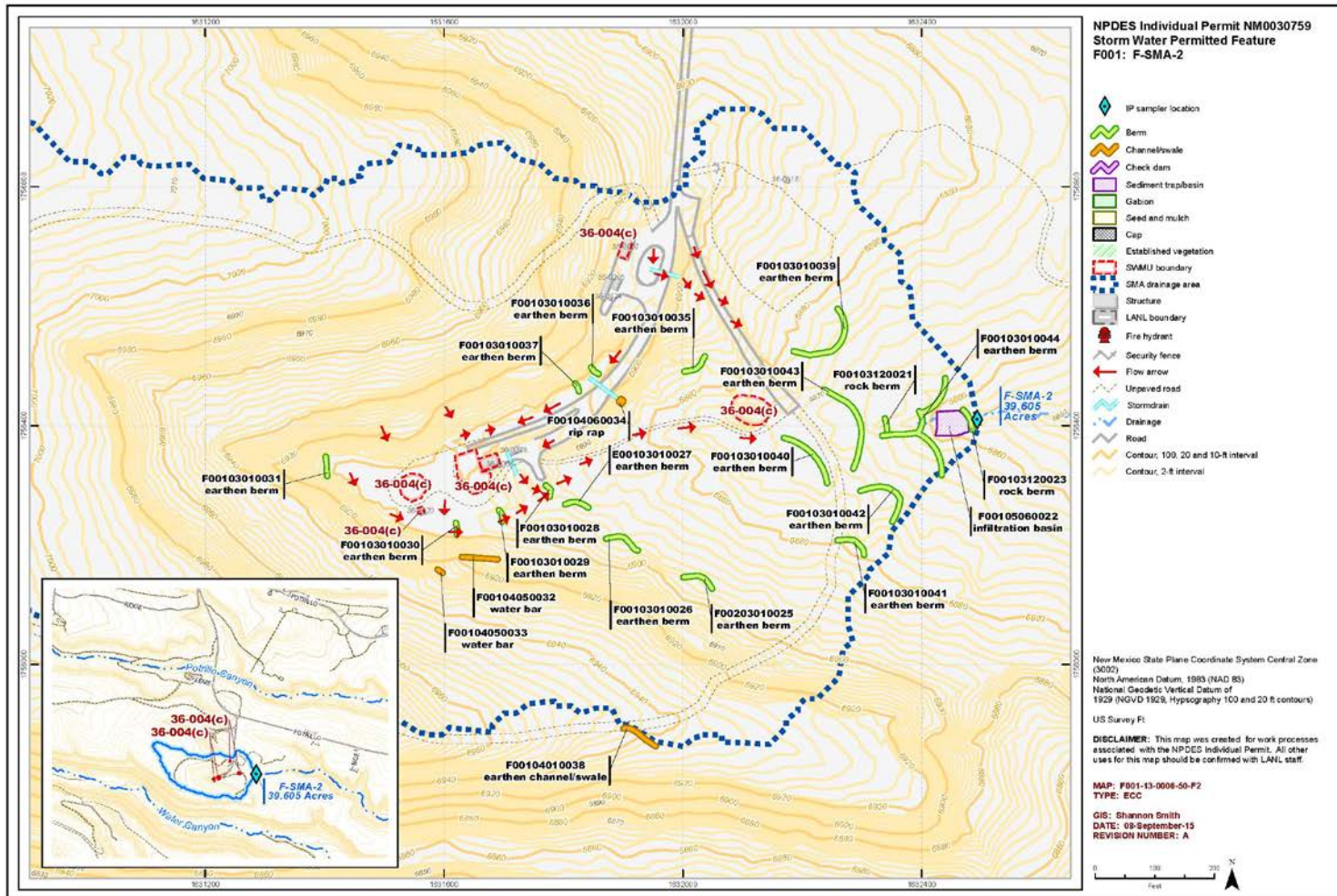
Photo: 49929-5.JPG
F00103010044 Berns

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
F-SMA-2

PF: F001

Sites: 36-004(c)



**Certification of Installation of
Enhanced Control Measures
at PT-SMA-2**

LA-UR-15-26897

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF:1004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)

The following certification was performed in accordance with NPDES Permit No. NM0030759, Part I.E.1 (c), which requires the Permittees (i.e. DOE and LANS) 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

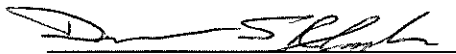
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Environmental Programs
Environmental Remediation
Los Alamos National Security, LLC

09/15/2015

Date



Los Alamos Field Office
Environmental Management
U.S. Department of Energy

9-28-2015

Date

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

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)

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
I00403010021	Berms	Earthen Berm	50117-6.jpg
I00403010022	Berms	Earthen Berm	50117-6.jpg
I00403010024	Berms	Earthen Berm	50117-10.jpg
I00403060012	Berms	Straw Wattles	50117-2.jpg
I00403060013	Berms	Straw Wattles	50117-1.jpg
I00403120023	Berms	Rock Berm	50117-9.jpg
I00404060020	Channel/Swale	Rip Rap	50117-6.jpg
I00406010014	Check Dam	Rock Check Dam	50117-3.jpg
I00406010015	Check Dam	Rock Check Dam	50117-3.jpg
I00406010016	Check Dam	Rock Check Dam	50117-3.jpg
I00406010017	Check Dam	Rock Check Dam	50117-5.jpg
I00406010018	Check Dam	Rock Check Dam	50117-7.jpg
I00406010019	Check Dam	Rock Check Dam	50117-7.jpg
I00406010025	Check Dam	Rock Check Dam	50117-11.jpg

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)

Photos:



Photo: 50117-1.jpg

I00403060013

Berms

- Straw Wattles

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-10.jpg

I00403010024

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-11.jpg

I00406010025

Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-2.jpg

I00403060012

Berms

- Straw Wattles

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-3.jpg

I00406010014	Check Dam	- Rock Check Dam
I00406010015	Check Dam	- Rock Check Dam
I00406010016	Check Dam	- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-5.jpg

I00406010017

Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-6.jpg

I00403010021	Berms	- Earthen Berm
I00403010022	Berms	- Earthen Berm
I00404060020	Channel/Swale	- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-7.jpg

I00406010018 Check Dam

- Rock Check Dam

I00406010019 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26897

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: I004

PT-SMA-2

Sites: 15-008(f)
36-003(b)
36-004(e)



Photo: 50117-9.jpg

I00403120023

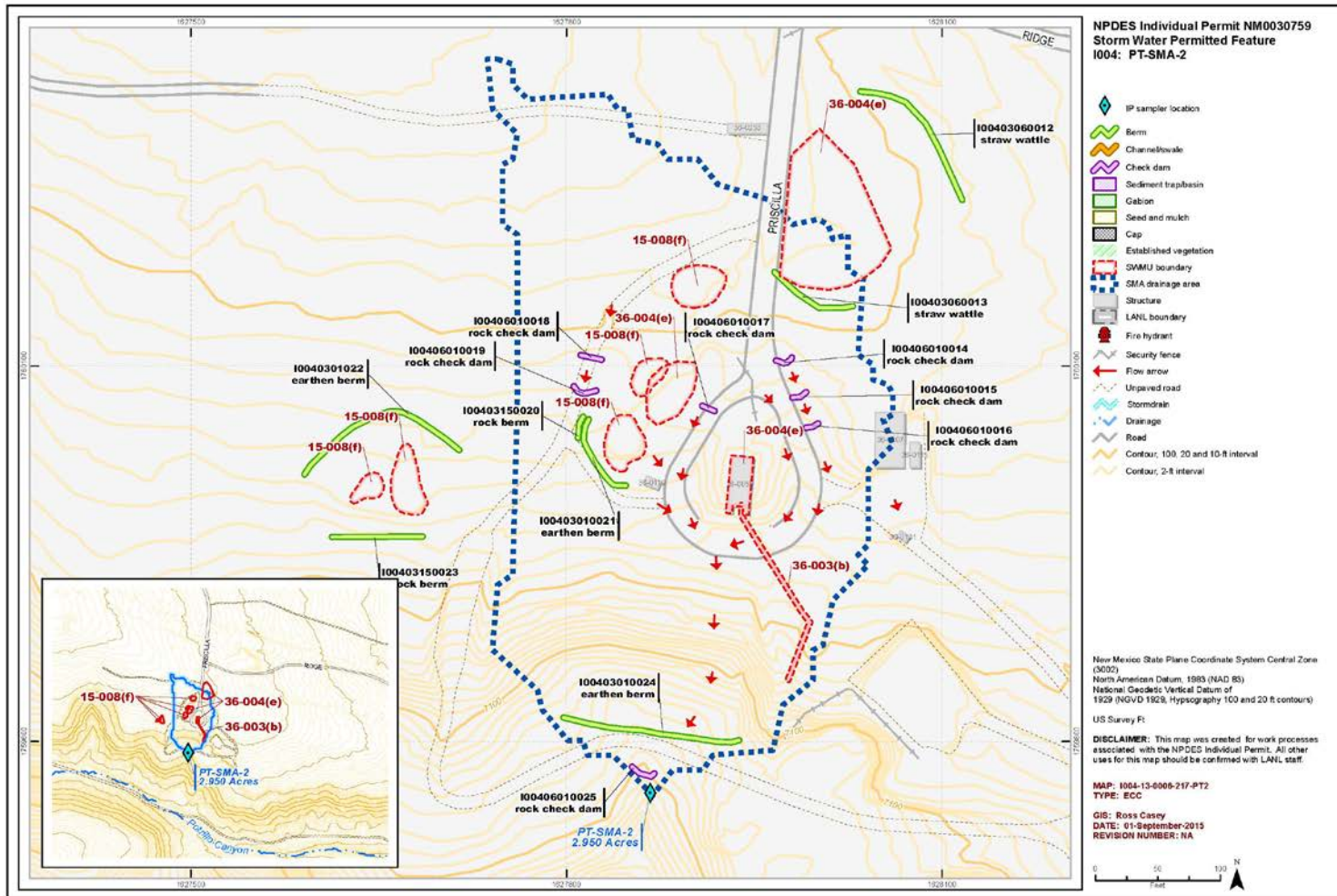
Berms

- Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES
PT-SMA-2

PF: I004

Sites: 15-008(f)
36-003(b)
36-004(e)



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

LA-UR-15-26836

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

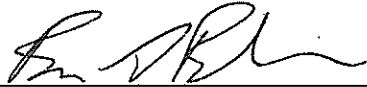
W-SMA-7

Sites: 16-026(h2)
16-029(e)

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Environmental Programs
Environmental Remediation
Los Alamos National Security, LLC

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Date



Los Alamos Field Office
Environmental Management
U.S. Department of Energy

9-28-2015

Date

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

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)

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
W00801030048	Seed and Mulch	Hydromulch	49957-31.JPG
W00803010049	Berms	Earthen Berm	49957-12.JPG
W00803140035	Berms	Coir Log	49957-21.JPG
W00803140036	Berms	Coir Log	49957-22.JPG
W00803140037	Berms	Coir Log	49957-23.JPG
W00803140038	Berms	Coir Log	49957-23.JPG
W00803140039	Berms	Coir Log	49957-24.JPG
W00803140040	Berms	Coir Log	49957-24.JPG
W00803140041	Berms	Coir Log	49957-25.JPG
W00803140042	Berms	Coir Log	49957-26.JPG
W00803140043	Berms	Coir Log	49957-27.JPG
W00803140044	Berms	Coir Log	49957-28.JPG
W00803140045	Berms	Coir Log	49957-29.JPG
W00803140046	Berms	Coir Log	49957-30.JPG
W00803140047	Berms	Coir Log	49957-24.JPG
W00806010026	Check Dam	Rock Check Dam	49957-13.JPG
W00806010027	Check Dam	Rock Check Dam	49957-14.JPG

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PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)

W00806010028	Check Dam	Rock Check Dam	49957-15.JPG
W00806010029	Check Dam	Rock Check Dam	49957-16.JPG
W00806010030	Check Dam	Rock Check Dam	49957-17.JPG
W00806010031	Check Dam	Rock Check Dam	49957-18.JPG
W00806010032	Check Dam	Rock Check Dam	49957-19.JPG
W00806010033	Check Dam	Rock Check Dam	49957-20.JPG
W00806010034	Check Dam	Rock Check Dam	49957-16.JPG

LOS ALAMOS NATIONAL LABORATORY
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PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)

Photos:



Photo: 49957-12.JPG
W00803010049 Berns

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-15-26836

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-13.JPG

W00806010026 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26836

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-14.JPG

W00806010027 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26836

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-15.JPG

W00806010028 Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-16.JPG

- | | | |
|--------------|-----------|------------------|
| W00806010029 | Check Dam | - Rock Check Dam |
| W00806010034 | Check Dam | - Rock Check Dam |

NPDES PERMIT NO. NM0030759

LA-UR-15-26836

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-17.JPG

W00806010030 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-15-26836

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-18.JPG

W00806010031 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-19.JPG

W00806010032 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-20.JPG

W00806010033 Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-21.JPG
W00803140035 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-22.JPG
W00803140036 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-23.JPG

W00803140037 Berms

- Coir Log

W00803140038 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
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PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-24.JPG

W00803140039	Berms	- Coir Log
W00803140040	Berms	- Coir Log
W00803140047	Berms	- Coir Log

NPDES PERMIT NO. NM0030759

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PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-25.JPG
W00803140041 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-26.JPG
W00803140042 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-27.JPG
W00803140043 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-28.JPG
W00803140044 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-29.JPG
W00803140045 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-30.JPG
W00803140046 Berms

- Coir Log

NPDES PERMIT NO. NM0030759

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CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: W008

W-SMA-7

Sites: 16-026(h2)
16-029(e)



Photo: 49957-31.JPG

W00801030048

Seed and Mulch

- Hydromulch

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

PF: W008

Sites: 16-026(h2)
16-029(e)

