
**Certification of Installation of
Enhanced Control Measures
at DP-SMA-0.3**

LA-UR-12-26394

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029

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
Corrective Actions Program
Los Alamos National Laboratory

7-8-2013

Date

Los Alamos Field Office
National Nuclear Security Administration

7-2-2013

Date

[This page intentionally blank.]

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

PF: D001

DP-SMA-0.3

Sites: 21-029

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
D00103010022	Berms	Earthen Berm	29300-3.JPG
D00103010023	Berms	Earthen Berm	29300-5.JPG
D00103120020	Berms	Rock Berm	29300-2.JPG
D00103120021	Berms	Rock Berm	29300-7.JPG
D00106010016	Check Dam	Rock Check Dam	29300-1.JPG
D00106010017	Check Dam	Rock Check Dam	29300-4.JPG
D00106010018	Check Dam	Rock Check Dam	29300-8.JPG
D00106010019	Check Dam	Rock Check Dam	29300-8.JPG
D00106010024	Check Dam	Rock Check Dam	29300-14.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029

Photos:



Photo: 29300-1.JPG

D00106010016

Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-12-26394

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-14.JPG

D00106010024

Check Dam

- Rock Check Dam

09/15/2012 10:00 AM
D00106010024

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-2.JPG
D00103120020 Berms

Rock Berm

29300-2.JPG
D00103120020

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-3.JPG
D00103010022 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-4.JPG

D00106010017

Check Dam

- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-12-26394

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-5.JPG
D00103010023 Berms

- Earthen Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-7.JPG

D00103120021 Berms

- Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: D001

DP-SMA-0.3

Sites: 21-029



Photo: 29300-8.JPG

D00106010018 Check Dam

- Rock Check Dam

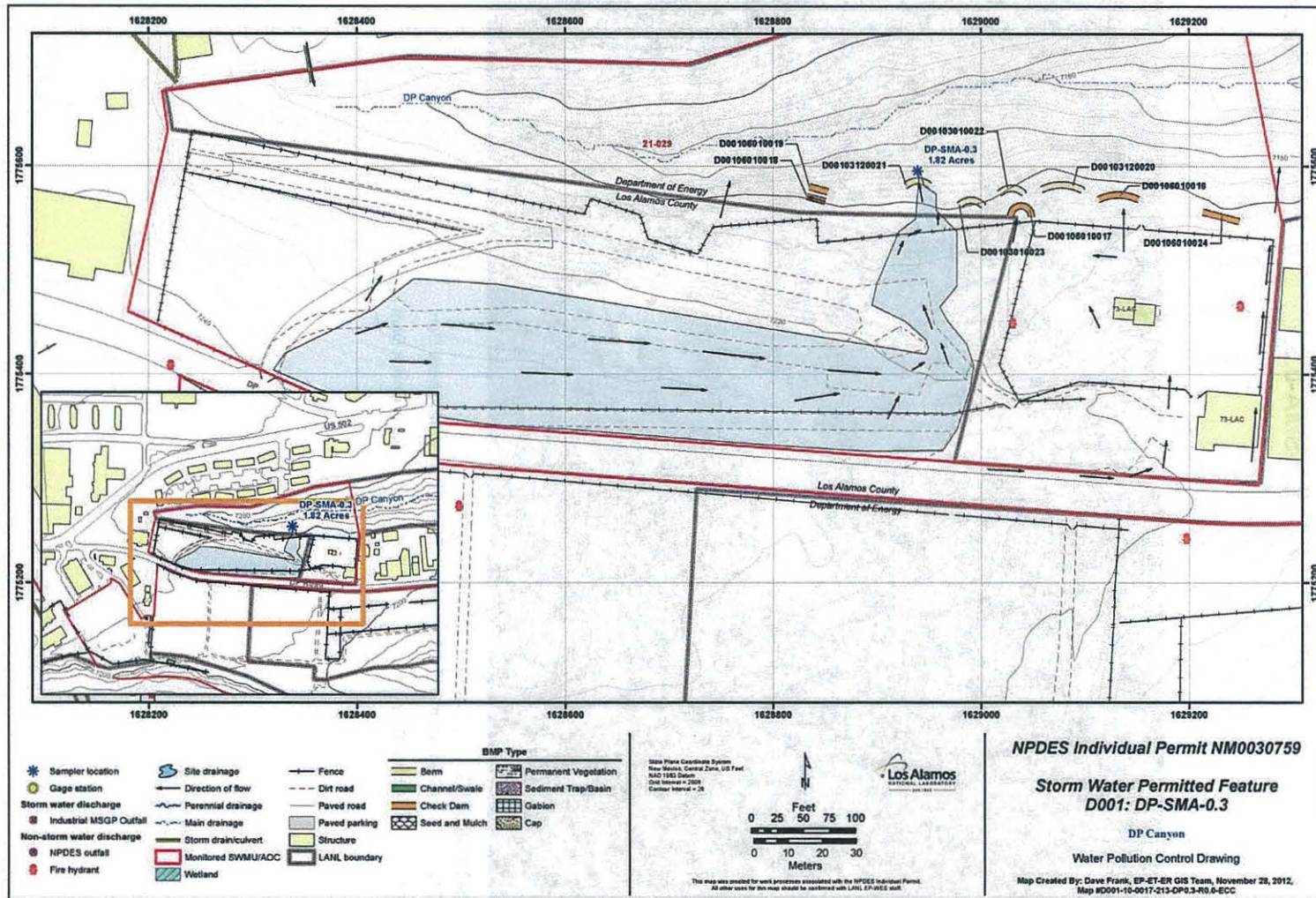
D00106010019 Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES REPORT
 DP-SMA-0.3

PF:D001

Sites: 21-029



**Certification of Installation of
Enhanced Control Measures
at LA-SMA-5.91**

LA-UR-13-22180

[This page intentionally blank.]

NPDES PERMIT NO. NM0030759

LA-UR-13-22180

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: L019

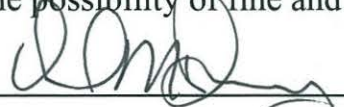
LA-SMA-5.91

Sites: 21-009
21-021
21-027(d)

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
Corrective Actions Program
Los Alamos National Laboratory

7-8-2013

Date



Los Alamos Field Office
National Nuclear Security Administration

7-2-2013

Date

[This page intentionally blank.]

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

PF: L019

LA-SMA-5.91

Sites: 21-009
21-021
21-027(d)

Site 21-023(c) is associated with LA-SMA-5.91, however, a Certificate of Completion was issued by NMED for this Site on 06/03/2011. The request to NMED for a Certificate of Completion was submitted by LANL on 05/13/2011. The enhanced control measure installations certified in this document apply to the remaining Sites at this SMA.

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
L01905020015	Sediment Traps and Basins	Sediment Basin	30409-4.JPG
L01906020013	Check Dam	Log Check Dam	30409-1.JPG
L01906020014	Check Dam	Log Check Dam	30409-2.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: L019

LA-SMA-5.91

Sites: 21-009
21-021
21-027(d)

Photos:



Photo: 30409-1.JPG

L01906020013

Check Dam

- Log Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-13-22180

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: L019

LA-SMA-5.91

Sites: 21-009
21-021
21-027(d)



Photo: 30409-2.JPG

L01906020014

Check Dam

- Log Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-13-22180

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: L019

LA-SMA-5.91

Sites: 21-009
21-021
21-027(d)



Photo: 30409-4.JPG

L01905020015

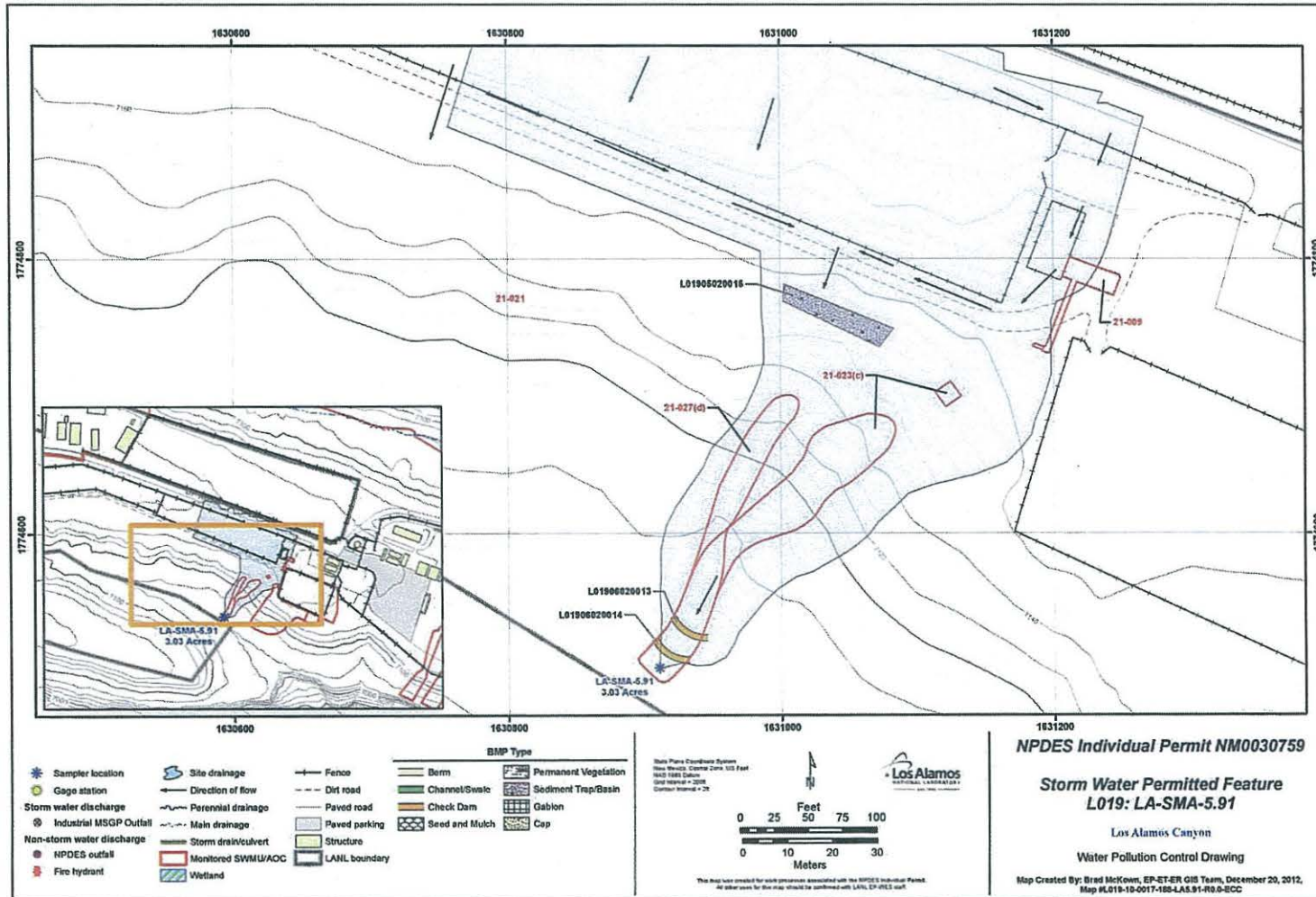
Sediment Traps and Basins

- Sediment Basin

LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES REPORT
 LA-SMA-5.91

PF:L019

Sites: 21-009
 21-021
 21-027(d)



**Certification of Installation of
Enhanced Control Measures
at PJ-SMA-13.7**

LA-UR-13-24530

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J016


PJ-SMA-13.7

Sites: 18-010(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
Corrective Actions Program
Los Alamos National Laboratory

7-8-2013

Date



Los Alamos Field Office
National Nuclear Security Administration

7-2-2013

Date

[This page intentionally blank.]

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

PF: J016

PJ-SMA-13.7

Sites: 18-010(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
J01605020008	Sediment Traps and Basins	Sediment Basin	30474-2.JPG
J01605020009	Sediment Traps and Basins	Sediment Basin	30474-3.JPG
J01608030010	Cap	Concrete/Asphalt Cap	32376-1.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J016

PJ-SMA-13.7

Sites: 18-010(b)

Photos:



Photo: 30474-2.JPG

J01605020008

Sediment Traps and Basins

- Sediment Basin

NPDES PERMIT NO. NM0030759

LA-UR-13-24530

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J016

PJ-SMA-13.7

Sites: 18-010(b)



Photo: 30474-3.JPG

J01605020009

Sediment Traps and Basins

- Sediment Basin

NPDES PERMIT NO. NM0030759

LA-UR-13-24530

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J016

PJ-SMA-13.7

Sites: 18-010(b)



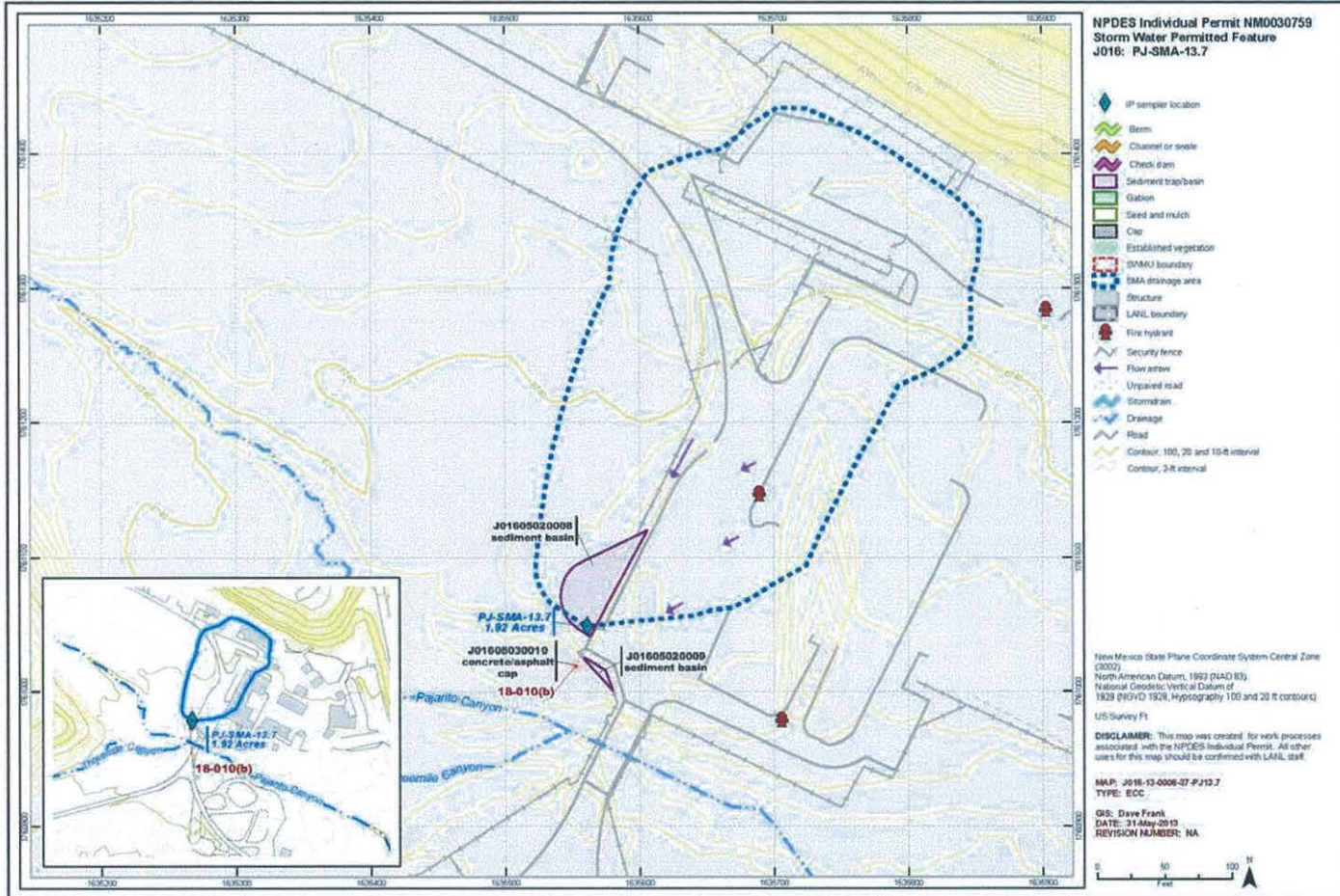
Photo: 32376-1.JPG
J01608030010 Cap

- Concrete/Asphalt Cap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES REPORT
PJ-SMA-13.7

PF: J016

Sites: 18-010(b)



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

LA-UR-13-23683

[This page intentionally blank.]

NPDES PERMIT NO. NM0030759

LA-UR-13-23683

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

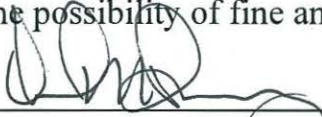
S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(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

"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
Corrective Actions Program
Los Alamos National Laboratory

7-8-2013

Date



Los Alamos Field Office
National Nuclear Security Administration

7-2-2013

Date

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
 03-045(b)
 03-045(c)
 03-056(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
S00301010013	Seed and Mulch	Seed and Wood Mulch	31607-4.JPG
S00301010015	Seed and Mulch	Seed and Wood Mulch	31607-7.JPG
S00304060012	Channel/Swale	Rip Rap	31607-1.JPG
S00304060016	Channel/Swale	Rip Rap	31607-8.JPG
S00304060021	Channel/Swale	Rip Rap	31607-12.JPG
S00305040014	Sediment Traps and Basins	Gravel Infiltration Strip	31607-5.JPG
S00306010017	Check Dam	Rock Check Dam	31607-9.JPG
S00306010018	Check Dam	Rock Check Dam	31607-10.JPG
S00306010019	Check Dam	Rock Check Dam	31607-11.JPG
S00306010020	Check Dam	Rock Check Dam	31607-11.JPG

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)

Photos:



Photo: 31607-1.JPG

S00304060012

Channel/Swale

- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-10.JPG

S00306010018

Check Dam

- Rock Check Dam

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-11.JPG

S00306010019 Check Dam
S00306010020 Check Dam

- Rock Check Dam
- Rock Check Dam

NPDES PERMIT NO. NM0030759

LA-UR-13-23683

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)

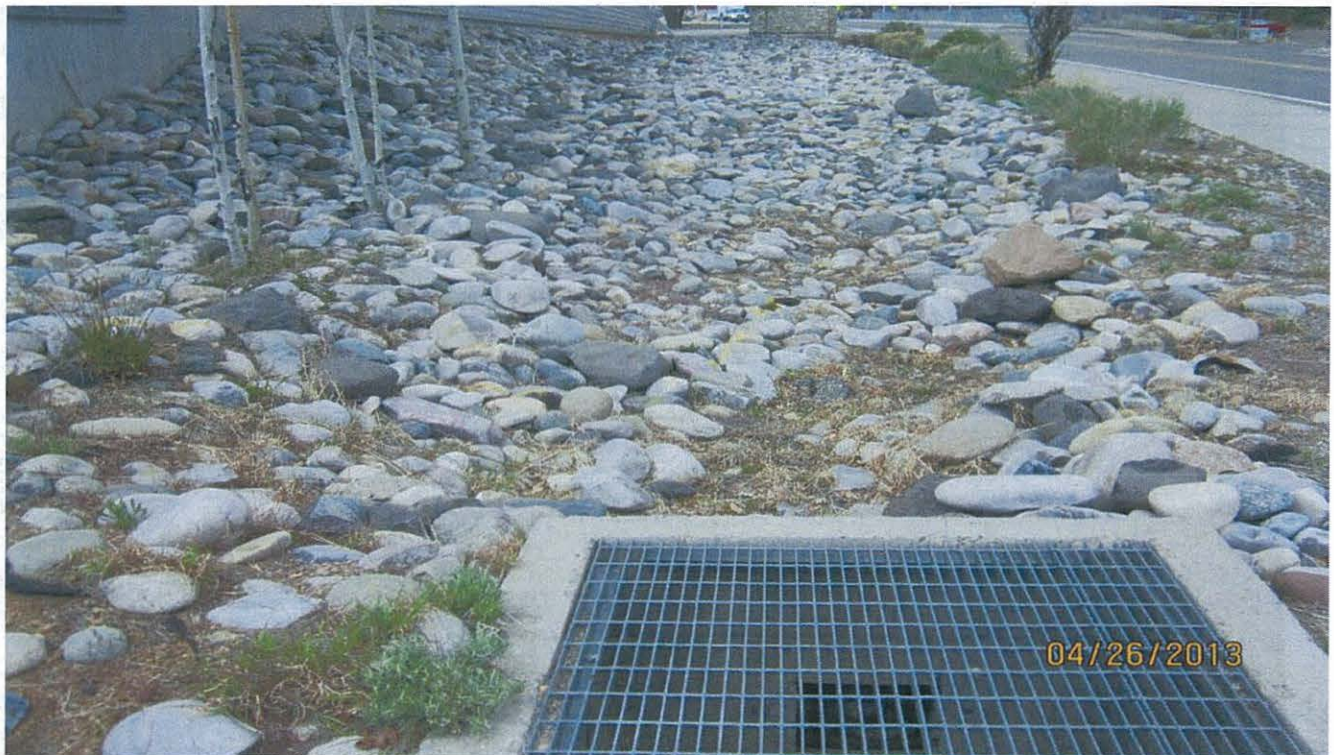


Photo: 31607-12.JPG

S00304060021

Channel/Swale

- Rip Rap

NPDES PERMIT NO. NM0030759

LA-UR-13-23683

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-4.JPG

S00301010013

Seed and Mulch

- Seed and Wood Mulch

NPDES PERMIT NO. NM0030759

LA-UR-13-23683

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-5.JPG

S00305040014

Sediment Traps and Basins

- Gravel Infiltration Strip

NPDES PERMIT NO. NM0030759

LA-UR-13-23683

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-7.JPG

S00301010015

Seed and Mulch

- Seed and Wood Mulch

NPDES PERMIT NO. NM0030759

LA-UR-13-23683

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-8.JPG

S00304060016

Channel/Swale

- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: S003

S-SMA-2

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



Photo: 31607-9.JPG

S00306010017

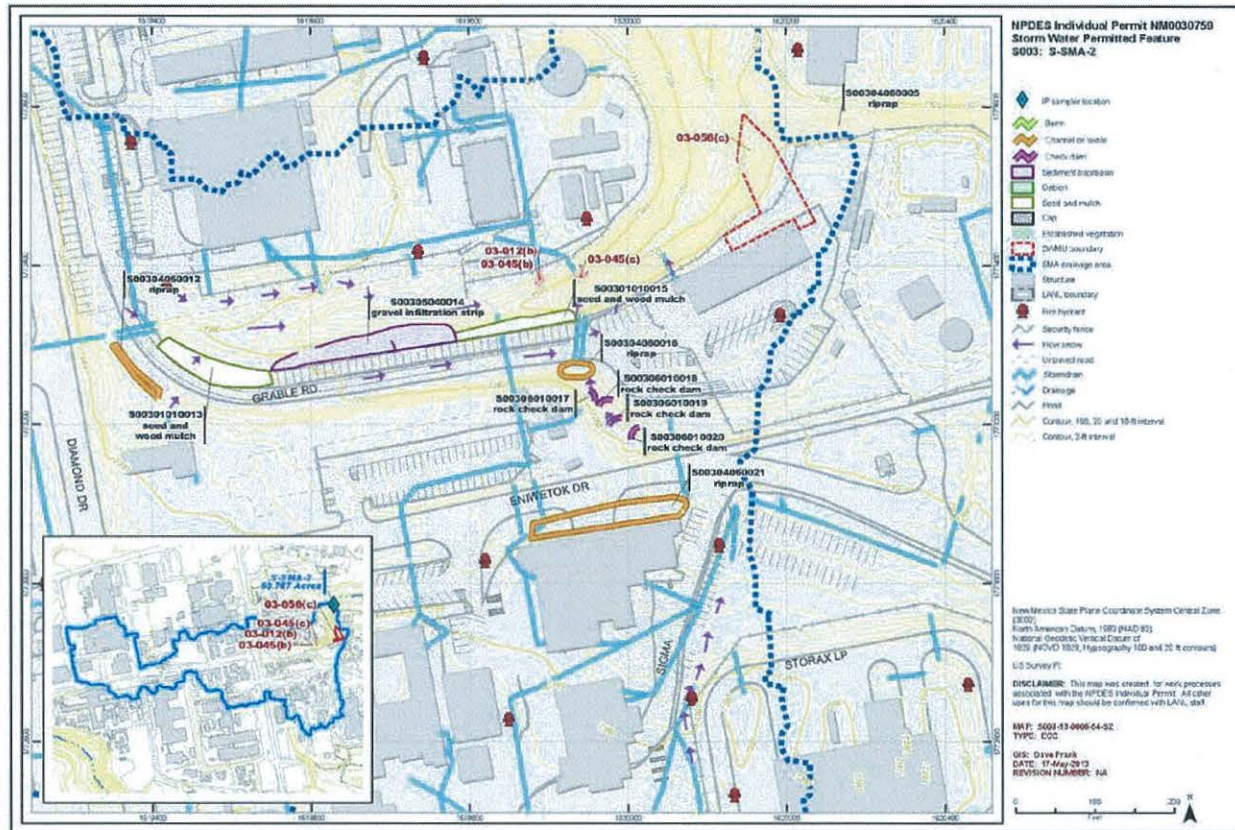
Check Dam

- Rock Check Dam

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

PF:S003

Sites: 03-012(b)
03-045(b)
03-045(c)
03-056(c)



**Certification of Installation of
Enhanced Control Measures
at STRM-SMA-1.5**

LA-UR-13-24534

[This page intentionally blank.]

NPDES PERMIT NO. NM0030759

LA-UR-13-24534

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

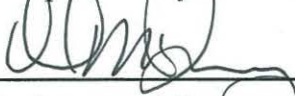
STRM-SMA-1.5

Sites: 08-009(d)

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
Corrective Actions Program
Los Alamos National Laboratory

7-8-2013

Date



Los Alamos Field Office
National Nuclear Security Administration

7-2-2013

Date

[This page intentionally blank.]

LOS ALAMOS NATIONAL LABORATORY
 CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

STRM-SMA-1.5

Sites: 08-009(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
J02903010013	Berms	Earthen Berm	31460-3.JPG
J02903010014	Berms	Earthen Berm	31460-5.JPG
J02903120015	Berms	Rock Berm	31460-7.JPG
J02904060016	Channel/Swale	Rip Rap	31460-6.JPG
J02908030017	Cap	Concrete/Asphalt Cap	31460-4.JPG

NPDES PERMIT NO. NM0030759

LA-UR-13-24534

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

STRM-SMA-1.5

Sites: 08-009(d)

Photos:



Photo: 31460-3.JPG

J02903010013

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-13-24534

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

STRM-SMA-1.5

Sites: 08-009(d)



Photo: 31460-4.JPG
J02908030017 Cap

- Concrete/Asphalt Cap

NPDES PERMIT NO. NM0030759

LA-UR-13-24534

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

STRM-SMA-1.5

Sites: 08-009(d)



Photo: 31460-5.JPG

J02903010014

Berms

- Earthen Berm

NPDES PERMIT NO. NM0030759

LA-UR-13-24534

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

STRM-SMA-1.5

Sites: 08-009(d)



Photo: 31460-6.JPG

J02904060016

Channel/Swale

- Rip Rap

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES

PF: J029

STRM-SMA-1.5

Sites: 08-009(d)



Photo: 31460-7.JPG

J02903120015

Berms

- Rock Berm

LOS ALAMOS NATIONAL LABORATORY
CERTIFICATION OF ENHANCED CONTROL MEASURES REPORT
STRM-SMA-1.5

PF: J029

Sites: 08-009(d)

