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Date: May 16, 2011
Refer To: ENV-RCRA-11-0091
LAUR: 11-10593

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

Dear Ms. Johnsey:

SUBJECT: NPDES PERMIT NO. NM0030759 - SUBMITTAL OF CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURES FOR 18 SITE MONITORING AREAS, DATED MAY 16, 2011

These documents are being submitted in accordance with the requirements of NPDES Permit No. NM0030759 (the Permit) for the 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 B.1, Installation of Baseline Control Measures, "Permittees shall certify completion of baseline control measures to address the non-numeric effluent limits to EPA within 30 days of completion of such measures, or if such measures have already been installed, then within 30 days after the effective date of the Permit."

The certification documentation for baseline control measures installed at 18 SMAs which are listed in Appendix E, Table E-1 is enclosed. The certification documentation is organized into reports which group the Permitted Features and SMAs according to the corresponding watershed and canyon assignments in Appendix D, Permitted Feature Assignment. Each certification report includes a description and photographs of all completed baseline control measures, and the certification is signed in accordance with Part III, Section D.11 of the Permit and 40 CFR 122.22(b).

This baseline control measure certification submittal consists of four (4) report enclosures for the following Watersheds, Permitted Features, and SMAs. The Sites associated with each SMA are given in Appendix A of the Permit and are also listed below.

Permitted Feature	SMA Number	Site Number
Enclosure 1: Los Alamos / Pueblo Watershed		
L006	LA-SMA-2.1	01-001(f)
L012A	LA-SMA-5.02	01-003(e)
L013	LA-SMA-5.2	01-003(d)
L030A	LA-SMA-10.12	53-008
P008	P-SMA-2.2	00-019
R002	R-SMA-1	C-00-041
<i>Total Number of Permitted Features / SMAs: 6</i>		
Enclosure 2: Sandia Watershed		
S002	S-SMA-1.1	03-029
S010	S-SMA-3.95	20-002(a)
S012	S-SMA-4.5	20-002(d)
S013	S-SMA-5	20-002(c)
S015	S-SMA-5.5	20-005
S016	S-SMA-6	72-001
<i>Total Number of Permitted Features / SMAs: 6</i>		
Enclosure 3: Mortandad/Cañada del Buey Watershed		
M003	M-SMA-3	48-001
		48-005
		48-007(c)
M005	M-SMA-3.5	48-001
		48-003
M007	M-SMA-5	42-001(a)
		42-001(b)
		42-001(c)
		42-002(a)
		42-002(b)
M013	M-SMA-10.3	35-014(e2)
		35-016(i)
M017	M-SMA-12.6	05-004
<i>Total Number of Permitted Features / SMAs: 5</i>		

Permitted Feature	SMA Number	Site Number
Enclosure 4: Cañon de Valle		
V006	CDV-SMA-2	16-021(c)
<i>Total Number of Permitted Features / SMAs: 1</i>		

The submittal of these certification documents completes the Permittees' requirement under Part 1, Section B.1, to install and implement baseline control measures within six (6) months of the effective date of the Permit. Enclosure 5 summarizes the baseline control measure certification documentation submittals completed in fulfillment of the Section B.1 requirement. Please contact Terrill Lemke at (505) 665-2397 of the Water Quality and RCRA Group (ENV-RCRA) if you have questions.

Sincerely,



Anthony R. Grieggs
Group Leader
Water Quality & RCRA Group
Los Alamos National Laboratory

Sincerely,



Gene E. Turner
Environmental Permitting Manager
Environmental Projects Office
Los Alamos Site Office
National Nuclear Security Administration

ARG:GET:CH/lm

Enclosures: a/s

Cy: Brent Larsen, USEPA/Region 6, Dallas, TX, w/enc.
Sonia Hall, USEPA/Region 6, Dallas, TX, w/enc.
Isaac Chen, USEPA/Region 6, Dallas, TX, w/enc., (E-File)
Glenn Saums, NMED/SWQB, Santa Fe, NM, w/enc.
Tom Skibitski, NMED/DOE/OB, Albuquerque, NM, w/enc.
Gene Turner, LASO-EO, w/enc., A316
Steve Yanicak, LASO-GOV, w/enc., M894
Carl Beard, PADOPS, w/o enc., A102
J. Chris Cantwell, ADESHQ, w/o enc., K491
Terrill Lemke, ENV-RCRA, w/o enc., K490, (E-File)
Catherine Hayes, ENV-RCRA, w/o enc., K490, (E-File)
Steve Veenis, PMFS-DO, w/o enc., M881, (E-File)
Anita Lavadie, ENV-RCRA, w/enc., M997, (E-File)
Suzanne Coyne, IRM-DCS, w/enc., M997, (E-File)
ENV-RCRA File, w/enc., K490
IRM-RMMSO, w/enc., A150

ENCLOSURE 1

Certification of Completion of Baseline Control Measures
for 6 Site Monitoring Areas in the
Los Alamos/Pueblo Watershed

May 16, 2011

ENV-RCRA-11-0091

LA-UR-11-10593

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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

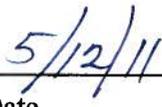
PERMITTED FEATURE	SITE MONITORING AREA
L030A	LA-SMA-10.12
L006	LA-SMA-2.1
L012A	LA-SMA-5.02
L013	LA-SMA-5.2
P008	P-SMA-2.2
R002	R-SMA-1

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****CERTIFICATION STATEMENT OF AUTHORIZATION**

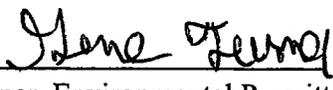
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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



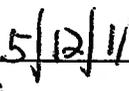
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



Gene Turner, Environmental Permitting
Los Alamos Site Office
National Nuclear Security Administration



Date

PF: L030A

SMA: LA-SMA-10.12

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X		X
Channel/Swale	X	X		
Check Dam		X	X	X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L030A03120020	Berms	Rock Berm	12943-08.JPG		X		X
L030A03120021	Berms	Rock Berm	12943-09.JPG		X		X
L030A03120009	Berms	Rock Berm	7440-1.JPG		X		X
L030A03120012	Berms	Rock Berm	12943-03.JPG			X	X
L030A03120013	Berms	Rock Berm	12943-05.JPG		X		X
L030A03120014	Berms	Rock Berm	12943-07.JPG		X		X
L030A03120015	Berms	Rock Berm	12943-06.JPG		X		X
L030A03120016	Berms	Rock Berm	12943-04.JPG		X		X
L030A03120017	Berms	Rock Berm	12943-01.JPG			X	X
L030A03120006	Berms	Rock Berm	7440-8.JPG			X	X
L030A03120005	Berms	Rock Berm	7440-8.JPG			X	X
L030A03120019	Berms	Rock Berm	12943-02.JPG			X	X
L030A03120023	Berms	Rock Berm	12943-11.JPG		X		X
L030A03120022	Berms	Rock Berm	12943-10.JPG		X		X
L030A04060007	Channel/Swale	Rip Rap	7440-6.JPG	X	X		
L030A06010003	Check Dam	Rock Check Dam	7440-6.JPG		X		X
L030A06010011	Check Dam	Rock Check Dam	7440-3.JPG		X		X
L030A06010001	Check Dam	Rock Check Dam	7440-7.JPG			X	X
L030A06010002	Check Dam	Rock Check Dam	7440-5.JPG			X	X
L030A06010010	Check Dam	Rock Check Dam	7440-2.JPG		X		X
L030A06010008	Check Dam	Rock Check Dam	7440-5.JPG			X	X
L030A06010004	Check Dam	Rock Check Dam	7440-4.JPG		X		X
L030A01020018	Seed and Mulch	Seed and Gravel Mulch	12943-12.JPG	X			
L030A01010024	Seed and Mulch	Seed and Wood Mulch	12943-13.JPG	X			

PF: L030A

SMA: LA-SMA-10.12

Comments

None applicable.



Photo 12943-01.JPG (taken 02/14/11) L030A03120017 : Berms - Rock Berm.

PF: L030A

SMA: LA-SMA-10.12



Photo 12943-02.JPG (taken 02/14/11) L030A03120019 : Berms - Rock Berm.



Photo 12943-03.JPG (taken 02/14/11) L030A03120012 : Berms - Rock Berm.

PF: L030A

SMA: LA-SMA-10.12



Photo 12943-04.JPG (taken 02/14/11) L030A03120016 : Berms - Rock Berm.



Photo 12943-05.JPG (taken 02/14/11) L030A03120013 : Berms - Rock Berm.

PF: L030A

SMA: LA-SMA-10.12



Photo 12943-06.JPG (taken 02/14/11) L030A03120015 : Berms - Rock Berm.



Photo 12943-07.JPG (taken 02/14/11) L030A03120014 : Berms - Rock Berm.

PF: L030A

SMA: LA-SMA-10.12



Photo 12943-08.JPG (taken 02/14/11) L030A03120020 : Berms - Rock Berm.



Photo 12943-09.JPG (taken 02/14/11) L030A03120021 : Berms - Rock Berm.

PF: L030A

SMA: LA-SMA-10.12



Photo 12943-10.JPG (taken 02/14/11) L030A03120022 : Berms - Rock Berm.



Photo 12943-11.JPG (taken 02/14/11) L030A03120023 : Berms - Rock Berm.

PF: L030A

SMA: LA-SMA-10.12



Photo 12943-12.JPG (taken 02/14/11) L030A01020018 : Seed and Mulch - Seed and Gravel Mulch.



Photo 12943-13.JPG (taken 02/14/11) L030A01010024 : Seed and Mulch - Seed and Wood Mulch.

PF: L030A

SMA: LA-SMA-10.12



Photo 7440-1.JPG (taken 07/29/10) L030A03120009 : Berms - Rock Berm.



Photo 7440-2.JPG (taken 07/29/10) L030A06010010 : Check Dam - Rock Check Dam.

PF: L030A

SMA: LA-SMA-10.12



Photo 7440-3.JPG (taken 07/29/10) L030A06010011 : Check Dam - Rock Check Dam.



Photo 7440-4.JPG (taken 07/29/10) L030A06010004 : Check Dam - Rock Check Dam.

PF: L030A

SMA: LA-SMA-10.12



Photo 7440-5.JPG (taken 07/29/10) L030A06010002 : Check Dam - Rock Check Dam; L030A06010008 : Check Dam - Rock Check Dam.



Photo 7440-6.JPG (taken 07/29/10) L030A04060007 : Channel/Swale - Rip Rap; L030A06010003 : Check Dam - Rock Check Dam.

PF: L030A

SMA: LA-SMA-10.12



Photo 7440-7.JPG (taken 07/29/10) L030A06010001 : Check Dam - Rock Check Dam.



Photo 7440-8.JPG (taken 07/29/10) L030A03120005 : Berms - Rock Berm; L030A03120006 : Berms - Rock Berm.

PF: L006

SMA: LA-SMA-2.1

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Channel/Swale	X		X	
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L00603030007	Berms	Log Berm	12987-1r.JPG		X		X
L00603080002	Berms	Retaining Wall	12987-3r.JPG			X	X
L00604040003	Channel/Swale	Culvert	12987-5r.JPG	X		X	
L00604060006	Channel/Swale	Rip Rap	12987-2r.JPG	X	X		
L00602020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	12987-4r.JPG	X			
L00601060008	Seed and Mulch	Erosion Control Blanket	12987-1r.JPG	X			

Comments

None applicable.



Photo 12987-1r.JPG (taken 02/17/11) L00601060008 : Seed and Mulch - Erosion Control Blanket; L00603030007 : Berms - Log Berm.

PF: L006

SMA: LA-SMA-2.1



Photo 12987-2r.JPG (taken 02/17/11) L00604060006 : Channel/Swale - Rip Rap.



Photo 12987-3r.JPG (taken 02/17/11) L00603080002 : Berms - Retaining Wall.

PF: L006

SMA: LA-SMA-2.1



Photo 12987-4r.JPG (taken 02/17/11) L00602020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 12987-5r.JPG (taken 02/17/11) L00604040003 : Channel/Swale - Culvert.

PF: L012A

SMA: LA-SMA-5.02

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Established Vegetation	X			
Seed and Mulch	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L012A03010002	Berms	Earthen Berm	8790-1r.JPG			X	X
L012A03060006	Berms	Straw Wattles	11460-1r.JPG		X		X
L012A03060005	Berms	Straw Wattles	11460-1r.JPG		X		X
L012A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8790-2r.JPG	X			
L012A01010007	Seed and Mulch	Seed and Wood Mulch	17157-1r.JPG	X			

Comments

Run-on management function managed by earthen berm. Run-on management function of seed and mulch not needed.



Photo 11460-1r.JPG (taken 10/26/10) L012A03060005 : Berms - Straw Wattles; L012A03060006 : Berms - Straw Wattles.

PF: L012A

SMA: LA-SMA-5.02



Photo 17157-1r.JPG (taken 04/13/11) L012A01010007 : Seed and Mulch - Seed and Wood Mulch.



Photo 8790-1r.JPG (taken 09/07/10) L012A03010002 : Berms - Earthen Berm.

PF: L012A

SMA: LA-SMA-5.02

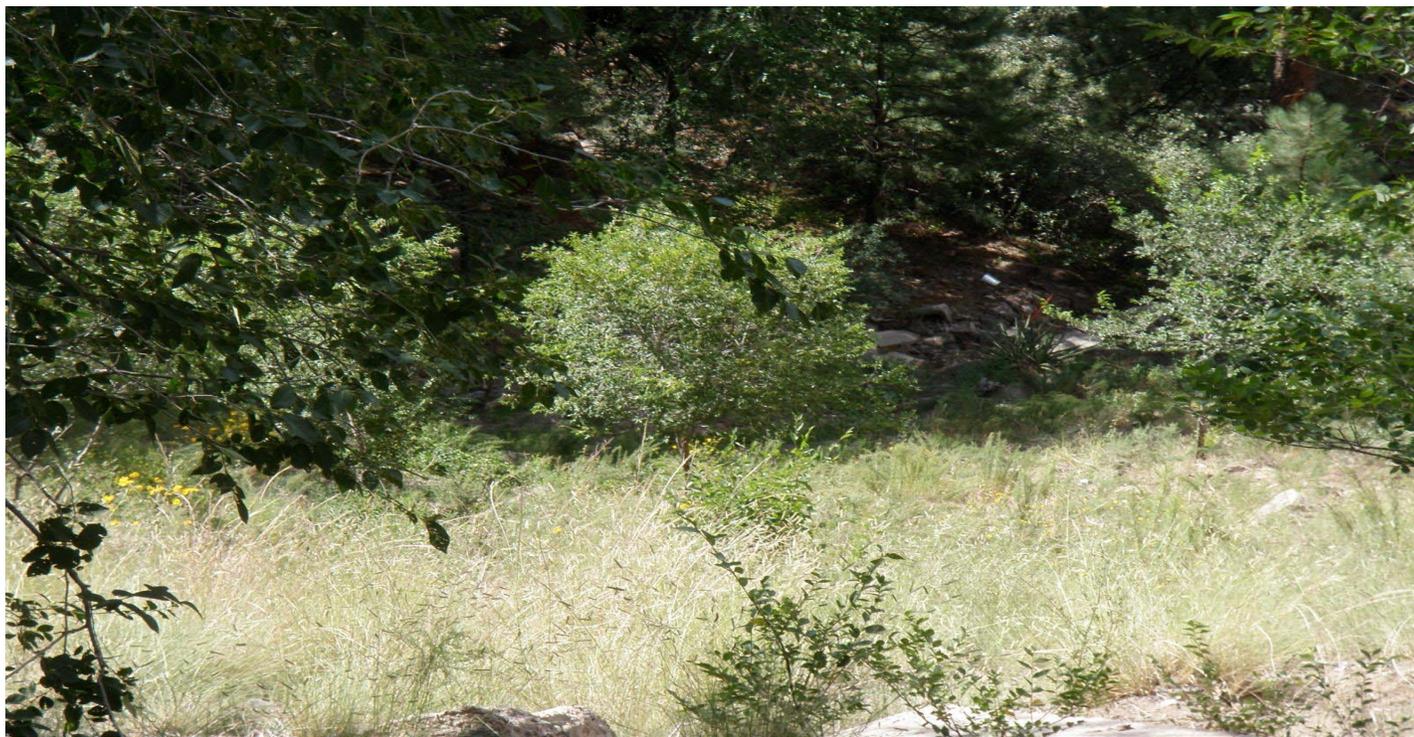


Photo 8790-2r.JPG (taken 09/07/10) L012A02010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L013

SMA: LA-SMA-5.2

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Check Dam		X		X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L01306030002	Check Dam	Juniper Bales	10558-1r.JPG		X		X
L01302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7445-1.JPG	X			

Comments

None applicable.



Photo 10558-1r.JPG (taken 09/08/10) L01306030002 : Check Dam - Juniper Bales.

PF: L013

SMA: LA-SMA-5.2



Photo 7445-1.JPG (taken 07/28/10) L01302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: P008

SMA: P-SMA-2.2

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Channel/Swale	X	X	X	
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
P00803020012	Berms	Base Course Berm	10866-7.JPG			X	X
P00803130016	Berms	S-Fence	11611-1r.JPG		X		X
P00803130013	Berms	S-Fence	10866-3.JPG		X		X
P00803130014	Berms	S-Fence	11611-2r.JPG		X		X
P00803130015	Berms	S-Fence	11611-3r.JPG		X		X
P00803060011	Berms	Straw Wattles	10866-2.JPG		X		X
P00804020005	Channel/Swale	Concrete/Asphalt Channel/Swale	10866-6.JPG	X	X		
P00804060001	Channel/Swale	Rip Rap	10866-1.JPG	X		X	
P00804060006	Channel/Swale	Rip Rap	10866-5.JPG	X	X		
P00804080017	Channel/Swale	TRM-Lined Swale	17160-1r.JPG	X		X	
P00806010022	Check Dam	Rock Check Dam	17160-1r.JPG			X	X
P00806010018	Check Dam	Rock Check Dam	17160-2r.JPG			X	X
P00806010019	Check Dam	Rock Check Dam	17160-1r.JPG			X	X
P00806010020	Check Dam	Rock Check Dam	17160-1r.JPG			X	X
P00806010021	Check Dam	Rock Check Dam	17160-1r.JPG			X	X
P00802010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10866-4.JPG	X			

Comments

None applicable.

PF: P008

SMA: P-SMA-2.2



Photo 10866-1.JPG (taken 10/08/10) P00804060001 : Channel/Swale - Rip Rap.



Photo 10866-2.JPG (taken 10/08/10) P00803060011 : Berms - Straw Wattles.

PF: P008

SMA: P-SMA-2.2



Photo 10866-3.JPG (taken 10/08/10) P00803130013 : Berms - S-Fence.



Photo 10866-4.JPG (taken 10/08/10) P00802010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: P008

SMA: P-SMA-2.2



Photo 10866-5.JPG (taken 10/08/10) P00804060006 : Channel/Swale - Rip Rap.



Photo 10866-6.JPG (taken 10/08/10) P00804020005 : Channel/Swale - Concrete/Asphalt Channel/Swale.

PF: P008

SMA: P-SMA-2.2



Photo 10866-7.JPG (taken 10/08/10) P00803020012 : Berms - Base Course Berm.



Photo 11611-1r.JPG (taken 10/28/10) P00803130016 : Berms - S-Fence.

PF: P008

SMA: P-SMA-2.2



Photo 11611-2r.JPG (taken 10/28/10) P00803130014 : Berms - S-Fence.



Photo 11611-3r.JPG (taken 10/28/10) P00803130015 : Berms - S-Fence.

PF: P008

SMA: P-SMA-2.2



Photo 17160-1r.JPG (taken 04/21/11) P00804080017 : Channel/Swale - TRM-Lined Swale; P00806010019 : Check Dam - Rock Check Dam; P00806010020 : Check Dam - Rock Check Dam; P00806010021 : Check Dam - Rock Check Dam; P00806010022 : Check Dam - Rock Check Dam.



Photo 17160-2r.JPG (taken 04/21/11) P00806010018 : Check Dam - Rock Check Dam.

PF: R002

SMA: R-SMA-1

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Channel/Swale	X		X	
Check Dam		X		X
Established Vegetation	X			
Gabions	X		X	X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
R00204060007	Channel/Swale	Rip Rap	13421-5r.JPG	X		X	
R00204060006	Channel/Swale	Rip Rap	13421-6r.JPG	X		X	
R00206010005	Check Dam	Rock Check Dam	13421-3r.JPG		X		X
R00202010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	13421-4r.JPG	X			
R00207020004	Gabions	Gabion Blanket	13421-1r.JPG	X		X	
R00207010001	Gabions	Gabions	13421-2r.JPG			X	X
R00207010002	Gabions	Gabions	13421-2r.JPG			X	X

Comments

None applicable.

PF: R002

SMA: R-SMA-1



Photo 13421-1r.JPG (taken 03/09/11) R00207020004 : Gabions - Gabion Blanket.



Photo 13421-2r.JPG (taken 03/09/11) R00207010001 : Gabions - Gabions; R00207010002 : Gabions - Gabions.

PF: R002

SMA: R-SMA-1



Photo 13421-3r.JPG (taken 03/09/11) R00206010005 : Check Dam - Rock Check Dam.



Photo 13421-4r.JPG (taken 03/09/11) R00202010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: R002

SMA: R-SMA-1



Photo 13421-5r.JPG (taken 03/09/11) R00204060007 : Channel/Swale - Rip Rap.



Photo 13421-6r.JPG (taken 03/09/11) R00204060006 : Channel/Swale - Rip Rap.



ENCLOSURE 2

Certification of Completion of Baseline Control Measures
for 6 Site Monitoring Areas in the
Sandia Watershed

May 16, 2011

ENV-RCRA-11-0091

LA-UR-11-10593

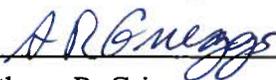
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

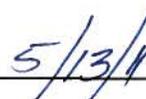
PERMITTED FEATURE	SITE MONITORING AREA
S002	S-SMA-1.1
S010	S-SMA-3.95
S012	S-SMA-4.5
S013	S-SMA-5
S015	S-SMA-5.5
S016	S-SMA-6

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****CERTIFICATION STATEMENT OF AUTHORIZATION**

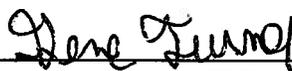
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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



Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



Gene Turner, Environmental Permitting
Los Alamos Site Office
National Nuclear Security Administration



Date

PF: S002

SMA: S-SMA-1.1

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Channel/Swale	X		X	
Check Dam			X	X
Gabions		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S00203010004	Berms	Earthen Berm	17783-7r.JPG		X		X
S00203120010	Berms	Rock Berm	17783-5r.JPG			X	X
S00203120011	Berms	Rock Berm	17783-4r.JPG			X	X
S00208010012	Cap	Earth Cap	17783-6r.JPG	X			
S00204060006	Channel/Swale	Rip Rap	17783-3r.JPG	X		X	
S00206010008	Check Dam	Rock Check Dam	17783-2r.JPG			X	X
S00207020005	Gabions	Gabion Blanket	17783-1r.JPG	X		X	
S00207010003	Gabions	Gabions	17783-8r.JPG		X		X

Comments

None applicable.

PF: S002

SMA: S-SMA-1.1



Photo 17783-1r.JPG (taken 04/27/11) S00207020005 : Gabions - Gabion Blanket.



Photo 17783-2r.JPG (taken 04/27/11) S00206010008 : Check Dam - Rock Check Dam.

PF: S002

SMA: S-SMA-1.1



Photo 17783-3r.JPG (taken 04/27/11) S00204060006 : Channel/Swale - Rip Rap.



Photo 17783-4r.JPG (taken 04/27/11) S00203120011 : Berms - Rock Berm.

PF: S002

SMA: S-SMA-1.1



Photo 17783-5r.JPG (taken 04/27/11) S00203120010 : Berms - Rock Berm.



Photo 17783-6r.JPG (taken 04/27/11) S00208010012 : Cap - Earth Cap.

PF: S002

SMA: S-SMA-1.1



Photo 17783-7r.JPG (taken 04/27/11) S00203010004 : Berms - Earthen Berm.



Photo 17783-8r.JPG (taken 04/27/11) S00207010003 : Gabions - Gabions.

PF: S010

SMA: S-SMA-3.95

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S01003060004	Berms	Straw Wattles	7456-1.JPG		X		X
S01003060003	Berms	Straw Wattles	7456-1.JPG			X	X
S01002010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7456-1.JPG	X			

Comments

None applicable.



Photo 7456-1.JPG (taken 08/04/10) S01002010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; S01003060003 : Berms - Straw Wattles; S01003060004 : Berms - Straw Wattles.

PF: S012

SMA: S-SMA-4.5

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S01203010005	Berms	Earthen Berm	13345-1r.JPG		X		X
S01203060003	Berms	Straw Wattles	7492-3r.JPG		X		X
S01203060002	Berms	Straw Wattles	7492-2r.JPG		X		X
S01203060004	Berms	Straw Wattles	7492-1r.JPG			X	X
S01202010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7492-3r.JPG	X			

Comments

None applicable.



Photo 13345-1r.JPG (taken 03/07/11) S01203010005 : Berms - Earthen Berm.

PF: S012

SMA: S-SMA-4.5



Photo 7492-1r.JPG (taken 08/09/10) S01203060004 : Berms - Straw Wattles.



Photo 7492-2r.JPG (taken 08/09/10) S01203060002 : Berms - Straw Wattles.

PF: S012

SMA: S-SMA-4.5



Photo 7492-3r.JPG (taken 08/09/10) S01202010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; S01203060003 : Berms - Straw Wattles.

PF: S013

SMA: S-SMA-5

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X		X
Channel/Swale	X		X	
Established Vegetation	X			
Gabions			X	X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S01303010006	Berms	Earthen Berm			X		X
S01304060003	Channel/Swale	Rip Rap	7457-3.JPG	X		X	
S01302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7457-2.JPG	X			
S01307010002	Gabions	Gabions	7457-3.JPG			X	X

Comments

None applicable.



Photo 7457-2.JPG (taken 08/04/10) S01302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: S013

SMA: S-SMA-5



Photo 7457-3.JPG (taken 08/04/10) S01304060003 : Channel/Swale - Rip Rap; S01307010002 : Gabions - Gabions.

PF: S015

SMA: S-SMA-5.5

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S01503010004	Berms	Earthen Berm	13343-1r.JPG		X		X
S01502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10868-3.JPG	X			

Comments

There is no storm water run-on at this site. Therefore, run-on management controls are not needed.



Photo 10868-3.JPG (taken 10/08/10) S01502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: S015

SMA: S-SMA-5.5



Photo 13343-1r.JPG (taken 03/07/11) S01503010004 : Berms - Earthen Berm.

PF: S016

SMA: S-SMA-6

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X		X
Channel/Swale	X		X	
Check Dam			X	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S01603140010	Berms	Coir Log	17782-1r.JPG		X		X
S01603140011	Berms	Coir Log	17782-1r.JPG		X		X
S01603010008	Berms	Earthen Berm	17782-3r.JPG		X		X
S01603010009	Berms	Earthen Berm	17782-2r.JPG		X		X
S01603010006	Berms	Earthen Berm	17782-4r.JPG			X	X
S01604060004	Channel/Swale	Rip Rap	8506-2r.JPG	X		X	
S01606010007	Check Dam	Rock Check Dam	17782-5r.JPG			X	X
S01606010005	Check Dam	Rock Check Dam	8506-3r.JPG			X	X
S01602010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8506-4r.JPG	X			

Comments

None applicable.

PF: S016

SMA: S-SMA-6



Photo 17782-1r.JPG (taken 04/27/11) S01603140010 : Berms - Coir Log; S01603140011 : Berms - Coir Log.



Photo 17782-2r.JPG (taken 04/27/11) S01603010009 : Berms - Earthen Berm.

PF: S016

SMA: S-SMA-6



Photo 17782-3r.JPG (taken 04/27/11) S01603010008 : Berms - Earthen Berm.



Photo 17782-4r.JPG (taken 04/27/11) S01603010006 : Berms - Earthen Berm.

PF: S016

SMA: S-SMA-6



Photo 17782-5r.JPG (taken 04/27/11) S01606010007 : Check Dam - Rock Check Dam.



Photo 8506-2r.JPG (taken 08/19/10) S01604060004 : Channel/Swale - Rip Rap.

PF: S016

SMA: S-SMA-6



Photo 8506-3r.JPG (taken 08/19/10) S01606010005 : Check Dam - Rock Check Dam.



Photo 8506-4r.JPG (taken 08/19/10) S01602010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



ENCLOSURE 3

**Certification of Completion of Baseline Control Measures
for 5 Site Monitoring Areas in the
Mortandad/Cañada del Buey Watershed**

May 16, 2011

ENV-RCRA-11-0091

LA-UR-11-10593

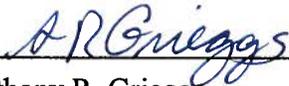
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

PERMITTED FEATURE	SITE MONITORING AREA
M013	M-SMA-10.3
M017	M-SMA-12.6
M003	M-SMA-3
M005	M-SMA-3.5
M007	M-SMA-5

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****CERTIFICATION STATEMENT OF AUTHORIZATION**

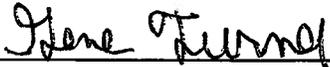
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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



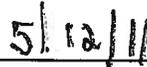
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



Gene Turner, Environmental Permitting
Los Alamos Site Office
National Nuclear Security Administration



Date

PF: M013

SMA: M-SMA-10.3

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms			X	X
Check Dam		X		X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M01303010011	Berms	Earthen Berm	17158-1r.JPG			X	X
M01303010012	Berms	Earthen Berm	17158-1r.JPG		X		X
M01303100013	Berms	Gravel Bags	17158-2r.JPG			X	X
M01306010010	Check Dam	Rock Check Dam	8662-1.JPG		X		X
M01302020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7461-1.JPG	X			
M01302010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7461-1.JPG	X			

Comments

None applicable.



Photo 17158-1r.JPG (taken 04/13/11) M01303010011 : Berms - Earthen Berm; M01303010012 : Berms - Earthen Berm.

PF: M013

SMA: M-SMA-10.3



Photo 17158-2r.JPG (taken 04/13/11) M01303100013 : Berms - Gravel Bags.



Photo 7461-1.JPG (taken 08/06/10) M01302010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; M01302020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: M013

SMA: M-SMA-10.3



Photo 8662-1.JPG (taken 09/03/10) M01306010010 : Check Dam - Rock Check Dam.

PF: M017

SMA: M-SMA-12.6

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Check Dam		X		X
Established Vegetation	X			
Seed and Mulch	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M01703020006	Berms	Base Course Berm	7496-1r.JPG			X	X
M01703020007	Berms	Base Course Berm	7496-2r.JPG			X	X
M01703020005	Berms	Base Course Berm	7496-1r.JPG			X	X
M01703060009	Berms	Straw Wattles	7496-5r.JPG		X		X
M01706010008	Check Dam	Rock Check Dam	7496-4r.JPG		X		X
M01702010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7496-3r.JPG	X			
M01701010004	Seed and Mulch	Seed and Wood Mulch	7496-3r.JPG	X		X	

Comments

None applicable.

PF: M017

SMA: M-SMA-12.6



Photo 7496-1r.JPG (taken 08/10/10) M01703020005 : Berms - Base Course Berm; M01703020006 : Berms - Base Course Berm.



Photo 7496-2r.JPG (taken 08/10/10) M01703020007 : Berms - Base Course Berm.

PF: M017

SMA: M-SMA-12.6



Photo 7496-3r.JPG (taken 08/10/10) M01701010004 : Seed and Mulch - Seed and Wood Mulch;
M01702010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7496-4r.JPG (taken 08/10/10) M01706010008 : Check Dam - Rock Check Dam.

PF: M017

SMA: M-SMA-12.6



Photo 7496-5r.JPG (taken 08/10/10) M01703060009 : Berms - Straw Wattles.

PF: M003

SMA: M-SMA-3

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms			X	X
Channel/Swale	X	X	X	
Check Dam		X		X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M00303120009	Berms	Rock Berm	13418-1r.JPG			X	X
M00303120010	Berms	Rock Berm	13418-1r.JPG			X	X
M00303120011	Berms	Rock Berm	13418-1r.JPG			X	X
M00304060008	Channel/Swale	Rip Rap	11466-1r.JPG	X		X	
M00304060001	Channel/Swale	Rip Rap	7487-3r.JPG	X	X		
M00304050005	Channel/Swale	Water Bar	11466-1r.JPG	X		X	
M00306010007	Check Dam	Rock Check Dam	10557-1r.JPG		X		X
M00302010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7487-4r.JPG	X			
M00305020012	Sediment Traps and Bas	Sediment Basin	17159-1r.JPG			X	X

Comments

None applicable.

PF: M003

SMA: M-SMA-3



Photo 10557-1r.JPG (taken 09/09/10) M00306010007 : Check Dam - Rock Check Dam.



Photo 11466-1r.JPG (taken 10/22/10) M00304050005 : Channel/Swale - Water Bar; M00304060008 : Channel/Swale - Rip Rap.

PF: M003

SMA: M-SMA-3



Photo 13418-1r.JPG (taken 03/04/11) M00303120009 : Berms - Rock Berm; M00303120010 : Berms - Rock Berm; M00303120011 : Berms - Rock Berm.



Photo 17159-1r.JPG (taken 04/21/11) M00305020012 : Sediment Traps and Basins - Sediment Basin.

PF: M003

SMA: M-SMA-3



Photo 7487-3r.JPG (taken 08/09/10) M00304060001 : Channel/Swale - Rip Rap.



Photo 7487-4r.JPG (taken 08/09/10) M00302010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: M005

SMA: M-SMA-3.5

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Check Dam		X	X	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M00503010016	Berms * 1	Earthen Berm			X		X
M00503010015	Berms * 2	Earthen Berm			X		X
M00503120013	Berms	Rock Berm	16842-1r.JPG			X	X
M00503120009	Berms	Rock Berm	7490-2r.JPG		X		X
M00503120010	Berms	Rock Berm	7490-1r.JPG		X		X
M00504060011	Channel/Swale	Rip Rap	16842-4r.JPG	X		X	
M00504060012	Channel/Swale	Rip Rap	16842-2r.JPG	X		X	
M00504060017	Channel/Swale * 3	Rip Rap		X	X		
M00506010005	Check Dam	Rock Check Dam	7490-4r.JPG			X	X
M00506010004	Check Dam	Rock Check Dam	7490-4r.JPG			X	X
M00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7490-5r.JPG	X			

Comments

*1 Asset exceeds requirement(s). *2 Asset exceeds requirement(s). *3 Asset exceeds requirement(s).

PF: M005

SMA: M-SMA-3.5



Photo 16842-1r.JPG (taken 04/01/11) M00503120013 : Berms - Rock Berm.



Photo 16842-2r.JPG (taken 04/01/11) M00504060012 : Channel/Swale - Rip Rap.

PF: M005

SMA: M-SMA-3.5



Photo 16842-4r.JPG (taken 04/01/11) M00504060011 : Channel/Swale - Rip Rap.



Photo 7490-1r.JPG (taken 08/09/10) M00503120010 : Berms - Rock Berm.

PF: M005

SMA: M-SMA-3.5



Photo 7490-2r.JPG (taken 08/09/10) M00503120009 : Berms - Rock Berm.



Photo 7490-4r.JPG (taken 08/09/10) M00506010004 : Check Dam - Rock Check Dam; M00506010005 : Check Dam - Rock Check Dam.

PF: M005

SMA: M-SMA-3.5



Photo 7490-5r.JPG (taken 08/09/10) M00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: M007

SMA: M-SMA-5

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms			X	X
Channel/Swale	X		X	
Check Dam		X	X	X
Established Vegetation	X	X	X	
Seed and Mulch	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M00703060015	Berms	Straw Wattles	17161-2r.JPG			X	X
M00704020012	Channel/Swale	Concrete/Asphalt Channel/Swale	17161-6r.JPG	X		X	
M00704010013	Channel/Swale	Earthen Channel/Swale	17161-7r.JPG	X		X	
M00704060001	Channel/Swale	Rip Rap	17161-4r.JPG	X		X	
M00704060008	Channel/Swale	Rip Rap	17161-1r.JPG	X		X	
M00706010007	Check Dam	Rock Check Dam	17161-3r.JPG			X	X
M00706010002	Check Dam	Rock Check Dam	17161-8r.JPG		X		X
M00702020006	Established Vegetation	Permanent Vegetation Forested/Needle Cast	17161-5r.JPG	X			
M00702010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	17161-5r.JPG	X			
M00702030014	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	17161-6r.JPG	X	X		

Comments

Run-on control managed by berms and channels/swales. Run-on control function of check dams, vegetation, and seed and mulch not needed. Erosion control managed by channels/swales and established vegetation. Erosion control function of seed and mulch not needed.

PF: M007

SMA: M-SMA-5



Photo 17161-1r.JPG (taken 04/15/11) M00704060008 : Channel/Swale - Rip Rap.

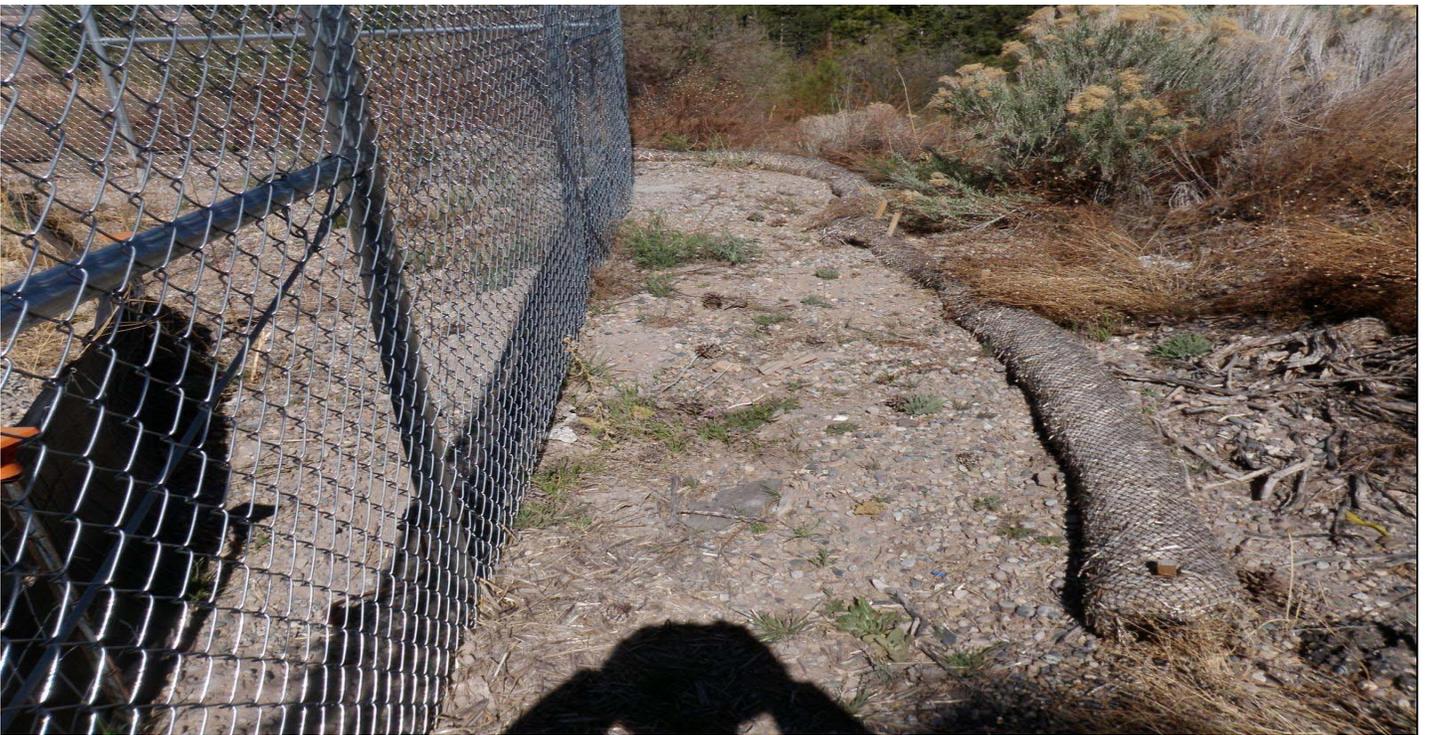


Photo 17161-2r.JPG (taken 04/15/11) M00703060015 : Berms - Straw Wattles.

PF: M007

SMA: M-SMA-5



Photo 17161-3r.JPG (taken 04/15/11) M00706010007 : Check Dam - Rock Check Dam.



Photo 17161-4r.JPG (taken 04/15/11) M00704060001 : Channel/Swale - Rip Rap.

PF: M007

SMA: M-SMA-5



Photo 17161-5r.JPG (taken 04/15/11) M00702010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; M00702020006 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 17161-6r.JPG (taken 04/15/11) M00702030014 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip; M00704020012 : Channel/Swale - Concrete/Asphalt Channel/Swale.

PF: M007

SMA: M-SMA-5



Photo 17161-7r.JPG (taken 04/15/11) M00704010013 : Channel/Swale - Earthen Channel/Swale.



Photo 17161-8r.JPG (taken 04/15/11) M00706010002 : Check Dam - Rock Check Dam.



ENCLOSURE 4

**Certification of Completion of Baseline Control Measures
for 1 Site Monitoring Area in Cañon de Valle
in the Water / Cañon de Valle Watershed**

May 16, 2011

ENV-RCRA-11-0091

LA-UR-11-10593

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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

PERMITTED FEATURE	SITE MONITORING AREA
V006	CDV-SMA-2

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****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."

AR Grieggs
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory

5/12/11
Date

Gene Turner
Gene Turner, Environmental Permitting
Los Alamos Site Office
National Nuclear Security Administration

5/12/11
Date

PF: V006

SMA: CDV-SMA-2

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
Channel/Swale	X	X		
Check Dam		X		X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V00603090001	Berms	Curbing	12989-1 (Custom			X	X
V00603010008	Berms	Earthen Berm	12989-9 (Custom			X	X
V00603010009	Berms	Earthen Berm	12989-7 (Custom			X	X
V00603010010	Berms	Earthen Berm	12989-6 (Custom			X	X
V00603010006	Berms	Earthen Berm	12989-4 (Custom		X		X
V00603010007	Berms	Earthen Berm	12989-2 (Custom			X	X
V00608020012	Cap	Rock Cap	12989-3 (Custom	X	X		
V00604060003	Channel/Swale	Rip Rap	12989-4 (Custom	X	X		
V00606010002	Check Dam	Rock Check Dam	12989-5 (Custom		X		X
V00602020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	12989-8 (Custom	X			
V00602010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12989-8 (Custom	X			
V00601010011	Seed and Mulch	Seed and Wood Mulch	12989-4 (Custom	X			

Comments

None applicable.

PF: V006

SMA: CDV-SMA-2



Photo 12989-1 (Custom).JPG (taken 02/23/11) V00603090001 : Berms - Curbing.



Photo 12989-2 (Custom).JPG (taken 02/23/11) V00603010007 : Berms - Earthen Berm.

PF: V006

SMA: CDV-SMA-2



Photo 12989-3 (Custom).JPG (taken 02/23/11) V00608020012 : Cap - Rock Cap.



Photo 12989-4 (Custom).JPG (taken 02/23/11) V00601010011 : Seed and Mulch - Seed and Wood Mulch;
V00603010006 : Berms - Earthen Berm; V00604060003 : Channel/Swale - Rip Rap.

PF: V006

SMA: CDV-SMA-2



Photo 12989-5 (Custom).JPG (taken 02/23/11) V00606010002 : Check Dam - Rock Check Dam.



Photo 12989-6 (Custom).JPG (taken 02/23/11) V00603010010 : Berms - Earthen Berm.

PF: V006

SMA: CDV-SMA-2



Photo 12989-7 (Custom).JPG (taken 02/23/11) V00603010009 : Berms - Earthen Berm.



Photo 12989-8 (Custom).JPG (taken 02/23/11) V00602010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00602020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: V006

SMA: CDV-SMA-2



Photo 12989-9 (Custom).JPG (taken 02/23/11) V00603010008 : Berms - Earthen Berm.



ENCLOSURE 5

Summary of Baseline Control Measure Certification Documentation

Submitted in Fulfillment of
Part I, Section B.1 Requirements

NPDES Permit No. NM0030759

ENV-RCRA-11-0091

LA-UR-11-10593

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**Summary of Baseline Control Measure Certification Documentation
Submitted in Fulfillment of Part I, Section B.1 Requirements**

Required Certification Date	Submittal Date	Certification Document	Number of SMAs & Sites Certified
12/1/2010	11/23/2010	ENV-RCRA-10-218 / LA-UR-10-07681	63 SMAs 102 Sites
<i>List of SMAs Certified</i>			
2M-SMA-1	CDB-SMA-1.65	M-SMA-12.92	P-SMA-1
2M-SMA-1.43	CHQ-SMA-5.05	PJ-SMA-1.05	P-SMA-2
2M-SMA-1.5	DP-SMA-2	PJ-SMA-2	PT-SMA-3
2M-SMA-2.2	LA-SMA-0.85	PJ-SMA-4.05	PT-SMA-4.2
3M-SMA-0.2	LA-SMA-1.25	PJ-SMA-5	R-SMA-2.05
ACID-SMA-1.05	LA-SMA-3.1	PJ-SMA-6	R-SMA-2.3
ACID-SMA-2	LA-SMA-4.1	PJ-SMA-7	S-SMA-0.25
ACID-SMA-2.1	LA-SMA-4.2	PJ-SMA-8	S-SMA-2
A-SMA-1.1	LA-SMA-5.35	PJ-SMA-9	S-SMA-3.6
A-SMA-3	LA-SMA-5.91	PJ-SMA-14.6	STRM-SMA-1.05
CDB-SMA-0.15	LA-SMA-5.92	PJ-SMA-14.2	STRM-SMA-1.5
CDB-SMA-0.25	LA-SMA-6.25	PJ-SMA-14.3	STRM-SMA-4.2
CDB-SMA-1.15	LA-SMA-6.27	PJ-SMA-16	STRM-SMA-5.05
CDB-SMA-1.35	M-SMA-1	PJ-SMA-17	W-SMA-1
CDB-SMA-1.54	M-SMA-4	PJ-SMA-18	W-SMA-9.5
CDB-SMA-1.55	M-SMA-12.5	PJ-SMA-19	

**Summary of Baseline Control Measure Certification Documentation
Submitted in Fulfillment of Part I, Section B.1 Requirements**

Required Certification Date	Submittal Date	Certification Document	Number of SMAs Certified
12/16/2010	12/16/2010	ENV-RCRA-10-244 / LA-UR-10-08294	65 SMAs 92 Sites
<i>List of SMAs Certified</i>			
ACID-SMA-2.01	LA-SMA-6.31	M-SMA-11.1	S-SMA-3.52
B-SMA-0.5	LA-SMA-6.32	M-SMA-12.7	S-SMA-3.53
B-SMA-1	LA-SMA-6.34	M-SMA-12.8	S-SMA-3.7
CDB-SMA-4	LA-SMA-6.36	M-SMA-12.9	S-SMA-3.71
DP-SMA-0.4	LA-SMA-6.38	M-SMA-13	S-SMA-3.72
DP-SMA-1	LA-SMA-6.395	PJ-SMA-20	S-SMA-4.1
DP-SMA-2.35	LA-SMA-6.5	PRATT-SMA-1.05	S-SMA-5.2
DP-SMA-4	LA-SMA-10.11	P-SMA-0.3	T-SMA-1
LA-SMA-0.9	M-SMA-1.2	P-SMA-2.15	T-SMA-2.5
LA-SMA-1	M-SMA-1.21	P-SMA-3.05	T-SMA-2.85
LA-SMA-1.1	M-SMA-3.1	R-SMA-0.5	T-SMA-3
LA-SMA-2.3	M-SMA-6	R-SMA-1.95	T-SMA-4
LA-SMA-3.9	M-SMA-7	R-SMA-2.5	T-SMA-5
LA-SMA-5.01	M-SMA-7.9	S-SMA-2.01	T-SMA-6.8
LA-SMA-5.31	M-SMA-10	S-SMA-2.8	T-SMA-7
LA-SMA-5.33	M-SMA-10.01	S-SMA-3.51	T-SMA-7.1
LA-SMA-6.3			

Summary of Baseline Control Measure Certification Documentation Submitted in Fulfillment of Part I, Section B.1 Requirements

Required Certification Date	Submittal Date	Certification Document	Number of SMAs Certified
1/12/2011	1/12/2011	ENV-RCRA-11-0002 / LA-UR-11-00114	57 SMAs 103 Sites
<i>List of SMAs Certified</i>			
2M-SMA-1.42	CDB-SMA-0.55	CDV-SMA-8.5	W-SMA-6
2M-SMA-1.44	CDB-SMA-1	CDV-SMA-9.05	W-SMA-7
2M-SMA-1.45	CDV-SMA-1.2	F-SMA-2	W-SMA-7.8
2M-SMA-1.65	CDV-SMA-1.3	PJ-SMA-5.1	W-SMA-7.9
2M-SMA-1.7	CDV-SMA-1.4	PJ-SMA-10	W-SMA-8
2M-SMA-1.8	CDV-SMA-1.45	PJ-SMA-11	W-SMA-8.7
2M-SMA-1.9	CDV-SMA-1.7	PJ-SMA-11.1	W-SMA-8.71
2M-SMA-2	CDV-SMA-2.3	PJ-SMA-13.7	W-SMA-9.05
2M-SMA-2.5	CDV-SMA-2.41	PJ-SMA-14.8	W-SMA-9.7
2M-SMA-3	CDV-SMA-2.42	W-SMA-1.5	W-SMA-9.8
3M-SMA-0.4	CDV-SMA-2.5	W-SMA-2.05	W-SMA-9.9
3M-SMA-0.5	CDV-SMA-2.51	W-SMA-3.5	W-SMA-10
3M-SMA-0.6	CDV-SMA-7	W-SMA-4.1	W-SMA-11.7
3M-SMA-4	CDV-SMA-8	W-SMA-5	W-SMA-12.05
			W-SMA-15.1
<i>List of SMAs Certified</i>			
Required Certification Date	Submittal Date	Certification Document	Number of SMAs Certified
2/11/2011	2/10/2011	ENV-RCRA-11-0026 / LA-UR-11-00912	26 SMAs 46 Sites
<i>List of SMAs Certified</i>			
A-SMA-2	CDV-SMA-3	CHQ-SMA-1.03	CHQ-SMA-7.1
A-SMA-2.5	CDV-SMA-4	CHQ-SMA-2	DP-SMA-3
A-SMA-2.7	CDV-SMA-6.01	CHQ-SMA-3.05	M-SMA-1.22
A-SMA-2.8	CDV-SMA-6.02	CHQ-SMA-4	M-SMA-9.1
A-SMA-3.5	CHQ-SMA-0.5	CHQ-SMA-4.1	PJ-SMA-3.05
A-SMA-4	CHQ-SMA-1.01	CHQ-SMA-4.5	
A-SMA-6	CHQ-SMA-1.02	CHQ-SMA-6	

Summary of Baseline Control Measure Certification Documentation Submitted in Fulfillment of Part I, Section B.1 Requirements

Required Certification Date	Submittal Date	Certification Document	Number of SMAs Certified
4/28/2011	4/27/2011	ENV-RCRA-11-0083 / LA-UR-11-10500	21 SMAs 47 Sites
<i>List of SMAs Certified</i>			
DP-SMA-0.3	LA-SMA-5.53	PJ-SMA-13	PT-SMA-2
DP-SMA-0.6	LA-SMA-5.54	PJ-SMA-14	PT-SMA-2.01
LA-SMA-5.361	LA-SMA-9	PJ-SMA-14.4	W-SMA-14.1
LA-SMA-5.362	M-SMA-12	PT-SMA-0.5	
LA-SMA-5.51	2M-SMA-1.67	PT-SMA-1	
LA-SMA-5.52	3M-SMA-2.6	PT-SMA-1.7	
Required Certification Date	Submittal Date	Certification Document	Number of SMAs Certified
5/28/2011	5/16/2011/	ENV-RCRA-11-0091 / LA-UR-11-10593	18 SMAs 25 Sites
<i>List of SMAs Certified</i>			
CDV-SMA-2	P-SMA-2.2	S-SMA-5	M-SMA-5
LA-SMA-2.1	R-SMA-1	S-SMA-5.5	M-SMA-10.3
LA-SMA-5.02	S-SMA-1.1	S-SMA-6	M-SMA-12.6
LA-SMA-5.2	S-SMA-3.95	M-SMA-3	
LA-SMA-10.12	S-SMA-4.5	M-SMA-3.5	