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Date: April 26, 2011
Refer To: ENV-RCRA-11-0083
LAUR: 11-10500

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 21 SITE MONITORING AREAS, DATED APRIL 28, 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 21 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 six (6) 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: DP Canyon		
D001	DP-SMA-0.3	21-029
D003	DP-SMA-0.6	21-021
		21-024(I)
<i>Total Number of Permitted Features / SMAs: 2</i>		
Enclosure 2: Los Alamos Canyon		
L017	LA-SMA-5.361	32-002(b)
L017A	LA-SMA-5.362	32-003
L018	LA-SMA-5.51	02-003(a)
		02-003(e)
		02-004(a)
		02-005
		02-006(b)
		02-006(c)
		02-006(d)
		02-006(e)
		02-008(a)
		02-009(b)
		02-011(a)
		02-011(b)
		02-011(c)
		02-011(d)
L018A	LA-SMA-5.52	02-003(b)
		02-007
		02-008(c)
L018B	LA-SMA-5.53	02-009(a)
L018C	LA-SMA-5.54	02-009(c)
L029	LA-SMA-9	26-001
		26-002(a)
		26-002(b)
		26-003
<i>Total Number of Permitted Features / SMAs: 7</i>		

Permitted Feature	SMA Number	Site Number
Enclosure 3: Mortandad Canyon		
M015	M-SMA-12	35-016(p)
<i>Total Number of Permitted Features / SMAs: 1</i>		
Enclosure 4: Pajarito Watershed		
E008	2M-SMA-1.67	06-003(h)
H005	3M-SMA-2.6	36-008
		C-36-003
J015	PJ-SMA-13	18-002(a)
J017	PJ-SMA-14	54-004
J020	PJ-SMA-14.4	18-010(d)
<i>Total Number of Permitted Features / SMAs: 5</i>		
Enclosure 5: Potrillo Canyon		
I001	PT-SMA-0.5	15-009(e)
		C-15-004
I002	PT-SMA-1	15-004(f)
		15-008(a)
I003	PT-SMA-1.7	15-006(a)
I004	PT-SMA-2	15-008(f)
		36-003(b)
		36-004(e)
I004A	PT-SMA-2.01	C-36-001
		C-36-006(e)
<i>Total Number of Permitted Features / SMAs: 5</i>		
Enclosure 6: Water Canyon		
W021	W-SMA-14.1	15-004(h)
		15-004(l)
<i>Total Number of Permitted Features / SMAs: 1</i>		

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.
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
Michael B. Mallory, 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)
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 2 Site Monitoring Areas in DP Canyon
in the Los Alamos/Pueblo Watershed

April 28, 2011

ENV-RCRA-11-0083

LA-UR-11-10500

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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
D001	DP-SMA-0.3
D003	DP-SMA-0.6

**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."



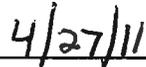
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: D001

SMA: DP-SMA-0.3

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		X	
Gabions		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
D00103020012	Berms	Base Course Berm	12941-7r.JPG		X		X
D00103020011	Berms	Base Course Berm	12941-6r.JPG		X		X
D00103120013	Berms	Rock Berm	12941-3r.JPG		X		X
D00106010007	Check Dam	Rock Check Dam	12941-8r.JPG		X		X
D00106010008	Check Dam	Rock Check Dam	12941-4r.JPG		X		X
D00106010009	Check Dam	Rock Check Dam	12941-5r.JPG		X		X
D00102020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	12941-8r.JPG	X			
D00107020006	Gabions	Gabion Blanket	12941-1r.JPG	X		X	
D00107010001	Gabions	Gabions	12941-2r.JPG		X		X
D00101010010	Seed and Mulch	Seed and Wood Mulch	12941-1r.JPG	X			

Comments

Run-on control function managed through use of gabion blanket. Run-on control function of vegetation not needed.

PF: D001

SMA: DP-SMA-0.3



Photo 12941-1r.JPG (taken 02/16/11) D00101010010 : Seed and Mulch - Seed and Wood Mulch;
D00107020006 : Gabions - Gabion Blanket.



Photo 12941-2r.JPG (taken 02/16/11) D00107010001 : Gabions - Gabions.

PF: D001

SMA: DP-SMA-0.3



Photo 12941-3r.JPG (taken 02/16/11) D00103120013 : Berms - Rock Berm.



Photo 12941-4r.JPG (taken 02/16/11) D00106010008 : Check Dam - Rock Check Dam.

PF: D001

SMA: DP-SMA-0.3



Photo 12941-5r.JPG (taken 02/16/11) D00106010009 : Check Dam - Rock Check Dam.



Photo 12941-6r.JPG (taken 02/16/11) D00103020011 : Berms - Base Course Berm.

PF: D001

SMA: DP-SMA-0.3



Photo 12941-7r.JPG (taken 02/16/11) D00103020012 : Berms - Base Course Berm.



Photo 12941-8r.JPG (taken 02/16/11) D00102020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; D00106010007 : Check Dam - Rock Check Dam.

PF: D003

SMA: DP-SMA-0.6

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
Channel/Swale	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
D00303020011	Berms	Base Course Berm	13415-1r.JPG			X	X
D00303010013	Berms	Earthen Berm	13415-2r.JPG		X		X
D00303010014	Berms	Earthen Berm	13415-2r.JPG		X		X
D00308020012	Cap	Rock Cap	13415-5r.JPG	X			
D00304040005	Channel/Swale	Culvert	13415-6r.JPG	X		X	
D00304010004	Channel/Swale	Earthen Channel/Swale	13415-7r.JPG	X		X	
D00305020010	Sediment Traps and Bas	Sediment Basin	13415-4r.JPG		X		X
D00301060015	Seed and Mulch	Erosion Control Blanket	13415-3r.JPG	X			

Comments

None applicable.

PF: D003

SMA: DP-SMA-0.6



Photo 13415-1r.JPG (taken 03/08/11) D00303020011 : Berms - Base Course Berm.



Photo 13415-2r.JPG (taken 03/08/11) D00303010013 : Berms - Earthen Berm; D00303010014 : Berms - Earthen Berm.

PF: D003

SMA: DP-SMA-0.6



Photo 13415-3r.JPG (taken 03/08/11) D00301060015 : Seed and Mulch - Erosion Control Blanket.



Photo 13415-4r.JPG (taken 03/08/11) D00305020010 : Sediment Traps and Basins - Sediment Basin.

PF: D003

SMA: DP-SMA-0.6



Photo 13415-5r.JPG (taken 03/08/11) D00308020012 : Cap - Rock Cap.



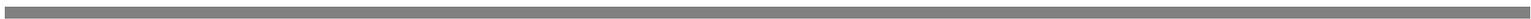
Photo 13415-6r.JPG (taken 03/08/11) D00304040005 : Channel/Swale - Culvert.

PF: D003

SMA: DP-SMA-0.6



Photo 13415-7r.JPG (taken 03/08/11) D00304010004 : Channel/Swale - Earthen Channel/Swale.



ENCLOSURE 2

**Certification of Completion of Baseline Control Measures
for 7 Site Monitoring Areas in Los Alamos Canyon
in the Los Alamos/Pueblo Watershed**

April 28, 2011

ENV-RCRA-11-0083

LA-UR-11-10500

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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
L017	LA-SMA-5.361
L017A	LA-SMA-5.362
L018	LA-SMA-5.51
L018A	LA-SMA-5.52
L018B	LA-SMA-5.53
L018C	LA-SMA-5.54
L029	LA-SMA-9

**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."



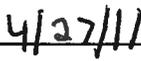
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: L017

SMA: LA-SMA-5.361

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			
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L01703010002	Berms	Earthen Berm	11023-1r.JPG			X	X
L01706010003	Check Dam	Rock Check Dam	7428-3.JPG		X		X
L01702010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7428-2.JPG	X			
L01701010008	Seed and Mulch	Seed and Wood Mulch	13416-1r.JPG	X			

Comments

None applicable.



Photo 11023-1r.JPG (taken 10/21/10) L01703010002 : Berms - Earthen Berm.

PF: L017

SMA: LA-SMA-5.361



Photo 13416-1r.JPG (taken 03/08/11) L01701010008 : Seed and Mulch - Seed and Wood Mulch.



Photo 7428-2.JPG (taken 07/29/10) L01702010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L017

SMA: LA-SMA-5.361



Photo 7428-3.JPG (taken 07/29/10) L01706010003 : Check Dam - Rock Check Dam.

PF: L017A

SMA: LA-SMA-5.362

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	X
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L017A03010005	Berms	Earthen Berm	7429-2.JPG		X		X
L017A03010008	Berms	Earthen Berm	13417-2r.JPG			X	X
L017A06030002	Check Dam	Juniper Bales	7429-1.JPG			X	X
L017A06010006	Check Dam	Rock Check Dam	7429-3.JPG		X		X
L017A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7429-1.JPG	X			
L017A01010007	Seed and Mulch	Seed and Wood Mulch	13417-1r.JPG	X			

Comments

None applicable.



Photo 13417-1r.JPG (taken 03/08/11) L017A01010007 : Seed and Mulch - Seed and Wood Mulch.

PF: L017A

SMA: LA-SMA-5.362



Photo 13417-2r.JPG (taken 03/08/11) L017A03010008 : Berms - Earthen Berm.



Photo 7429-1.JPG (taken 07/29/10) L017A02010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; L017A06030002 : Check Dam - Juniper Bales.

PF: L017A

SMA: LA-SMA-5.362



Photo 7429-2.JPG (taken 07/29/10) L017A03010005 : Berms - Earthen Berm.



Photo 7429-3.JPG (taken 07/29/10) L017A06010006 : Check Dam - Rock Check Dam.

PF: L018

SMA: LA-SMA-5.51

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			
Gabions	X	X		
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L01803010006	Berms	Earthen Berm	13410-4r.JPG			X	X
L01803010008	Berms	Earthen Berm	13410-3r.JPG		X		X
L01803010007	Berms	Earthen Berm	13410-1r.JPG		X		X
L01802020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	13410-5r.JPG	X			
L01802010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	13410-5r.JPG	X			
L01807010003	Gabions	Gabions	13410-2r.JPG	X	X		

Comments

Erosion control function managed by permanent vegetation and gabions at site. Erosion control function of seed and mulch not needed. Erosion control function managed by gabions; runoff control managed by gabions and berms. Erosion control and runoff control functions of channel/swale not needed.

PF: L018

SMA: LA-SMA-5.51



Photo 13410-1r.JPG (taken 03/08/11) L01803010007 : Berms - Earthen Berm.



Photo 13410-2r.JPG (taken 03/08/11) L01807010003 : Gabions - Gabions.

PF: L018

SMA: LA-SMA-5.51



Photo 13410-3r.JPG (taken 03/08/11) L01803010008 : Berms - Earthen Berm.



Photo 13410-4r.JPG (taken 03/08/11) L01803010006 : Berms - Earthen Berm.

PF: L018

SMA: LA-SMA-5.51



Photo 13410-5r.JPG (taken 03/08/11) L01802010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; L01802020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: L018A

SMA: LA-SMA-5.52

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
L018A03010003	Berms	Earthen Berm	13411-1r.JPG			X	X
L018A03010004	Berms	Earthen Berm	13411-3r.JPG		X		X
L018A04060005	Channel/Swale	Rip Rap	13411-2r.JPG	X		X	
L018A06010002	Check Dam	Rock Check Dam	13411-2r.JPG			X	X
L018A02020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	13411-4r.JPG	X			
L018A01010006	Seed and Mulch	Seed and Wood Mulch	13411-1r.JPG	X			

Comments

Sediment control and runoff control functions managed by earthen berm. Sediment control and runoff control functions of channel/swale not needed.



Photo 13411-1r.JPG (taken 03/08/11) L018A01010006 : Seed and Mulch - Seed and Wood Mulch; L018A03010003 : Berms - Earthen Berm.

PF: L018A

SMA: LA-SMA-5.52



Photo 13411-2r.JPG (taken 03/08/11) L018A04060005 : Channel/Swale - Rip Rap; L018A06010002 : Check Dam - Rock Check Dam.



Photo 13411-3r.JPG (taken 03/08/11) L018A03010004 : Berms - Earthen Berm.

PF: L018A

SMA: LA-SMA-5.52



Photo 13411-4r.JPG (taken 03/08/11) L018A02020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: L018B

SMA: LA-SMA-5.53

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	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L018B03010002	Berms	Earthen Berm	13412-1r.JPG		X		X
L018B03060006	Berms	Straw Wattles	13412-3r.JPG			X	X
L018B03060004	Berms	Straw Wattles	13412-2r.JPG			X	X
L018B03060005	Berms	Straw Wattles	13412-2r.JPG			X	X
L018B02020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	13412-3r.JPG	X			
L018B01010003	Seed and Mulch	Seed and Wood Mulch	13412-2r.JPG	X			

Comments

Erosion control function managed by permanent vegetation and seed and mulch. Erosion control function of berms not needed.



Photo 13412-1r.JPG (taken 03/08/11) L018B03010002 : Berms - Earthen Berm.

PF: L018B

SMA: LA-SMA-5.53



Photo 13412-2r.JPG (taken 03/08/11) L018B01010003 : Seed and Mulch - Seed and Wood Mulch; L018B03060004 : Berms - Straw Wattles; L018B03060005 : Berms - Straw Wattles.



Photo 13412-3r.JPG (taken 03/08/11) L018B02020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; L018B03060006 : Berms - Straw Wattles.

PF: L018C

SMA: LA-SMA-5.54

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	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L018C03010002	Berms	Earthen Berm	13414-1r.JPG			X	X
L018C03060003	Berms	Straw Wattles	13414-2r.JPG		X		X
L018C02020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	13414-2r.JPG	X			

Comments

Erosion control function managed by permanent vegetation. Erosion control function of berms not needed.



Photo 13414-1r.JPG (taken 03/08/11) L018C03010002 : Berms - Earthen Berm.

PF: L018C

SMA: LA-SMA-5.54



Photo 13414-2r.JPG (taken 03/08/11) L018C02020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; L018C03060003 : Berms - Straw Wattles.

PF: L029

SMA: LA-SMA-9

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			
Seed and Mulch	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L02903010013	Berms	Earthen Berm	7438-5.JPG		X		X
L02903010014	Berms	Earthen Berm	12942-1r.JPG		X		X
L02903010012	Berms	Earthen Berm	7438-6.JPG		X		X
L02903080005	Berms	Retaining Wall	7438-4.JPG			X	X
L02904050009	Channel/Swale	Water Bar	7438-1.JPG	X		X	
L02904050011	Channel/Swale	Water Bar	7438-3.JPG	X		X	
L02904050010	Channel/Swale	Water Bar	7438-2.JPG	X		X	
L02902010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7438-7.JPG	X			
L02901010008	Seed and Mulch	Seed and Wood Mulch	7438-6.JPG	X			
L02901010007	Seed and Mulch	Seed and Wood Mulch	7438-2.JPG	X			
L02901010006	Seed and Mulch	Seed and Wood Mulch	7438-1.JPG	X			

Comments

Run-on control function managed by retaining wall and water bars. Run-on control function of seed and mulch not needed.

PF: L029

SMA: LA-SMA-9



Photo 12942-1r.JPG (taken 02/16/11) L02903010014 : Berms - Earthen Berm.



Photo 7438-1.JPG (taken 07/29/10) L02901010006 : Seed and Mulch - Seed and Wood Mulch; L02904050009 : Channel/Swale - Water Bar.

PF: L029

SMA: LA-SMA-9



Photo 7438-2.JPG (taken 07/29/10) L02901010007 : Seed and Mulch - Seed and Wood Mulch; L02904050010 : Channel/Swale - Water Bar.



Photo 7438-3.JPG (taken 07/29/10) L02904050011 : Channel/Swale - Water Bar.

PF: L029

SMA: LA-SMA-9



Photo 7438-4.JPG (taken 07/29/10) L02903080005 : Berms - Retaining Wall.



Photo 7438-5.JPG (taken 07/29/10) L02903010013 : Berms - Earthen Berm.

PF: L029

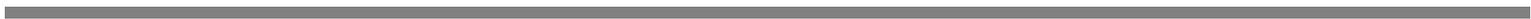
SMA: LA-SMA-9



Photo 7438-6.JPG (taken 07/29/10) L02901010008 : Seed and Mulch - Seed and Wood Mulch; L02903010012 : Berms - Earthen Berm.



Photo 7438-7.JPG (taken 07/29/10) L02902010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



ENCLOSURE 3

**Certification of Completion of Baseline Control Measures
for 1 Site Monitoring Area in the
Mortandad Watershed**

April 28, 2011

ENV-RCRA-11-0083

LA-UR-11-10500

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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
M015	M-SMA-12

**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."



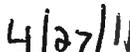
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: M015

SMA: M-SMA-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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M01503090004	Berms	Curbing	7462-3.JPG			X	X
M01504050005	Channel/Swale	Water Bar	7462-1.JPG	X		X	
M01506020007	Check Dam	Log Check Dam	13342-1r.JPG		X		X
M01506020001	Check Dam	Log Check Dam	7462-4.JPG		X		X
M01506020006	Check Dam	Log Check Dam	13342-1r.JPG		X		X
M01502020003	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7462-2.JPG	X			
M01502010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7462-2.JPG	X			

Comments

Sediment control function managed by curbing and log check dams. Sediment control function of channel/swale not needed.

PF: M015

SMA: M-SMA-12



Photo 13342-1r.JPG (taken 03/04/11) M01506020006 : Check Dam - Log Check Dam; M01506020007 : Check Dam - Log Check Dam.



Photo 7462-1.JPG (taken 08/06/10) M01504050005 : Channel/Swale - Water Bar.

PF: M015

SMA: M-SMA-12



Photo 7462-2.JPG (taken 08/06/10) M01502010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; M01502020003 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 7462-3.JPG (taken 08/06/10) M01503090004 : Berms - Curbing.

PF: M015

SMA: M-SMA-12



Photo 7462-4.JPG (taken 08/06/10) M01506020001 : Check Dam - Log Check Dam.



ENCLOSURE 4

**Certification of Completion of Baseline Control Measures
for 5 Site Monitoring Areas in the
Pajarito Watershed**

April 28, 2011

ENV-RCRA-11-0083

LA-UR-11-10500

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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
E008	2M-SMA-1.67
H005	3M-SMA-2.6
J015	PJ-SMA-13
J017	PJ-SMA-14
J020	PJ-SMA-14.4

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

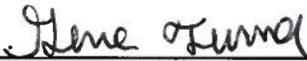
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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



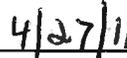
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: E008

SMA: 2M-SMA-1.67

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E00803060010	Berms	Straw Wattles	8792-4r.JPG			X	X
E00803060003	Berms	Straw Wattles	8792-3r.JPG			X	X
E00803060011	Berms	Straw Wattles	8792-4r.JPG			X	X
E00803060009	Berms	Straw Wattles	8792-4r.JPG			X	X
E00803060004	Berms	Straw Wattles	8792-1r.JPG		X		X
E00803060005	Berms	Straw Wattles	8792-3r.JPG			X	X
E00802020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8792-2r.JPG	X			
E00802010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8792-2r.JPG	X			
E00801010006	Seed and Mulch	Seed and Wood Mulch	12988-1 (Custom	X			

Comments

None applicable.

PF: E008

SMA: 2M-SMA-1.67



Photo 12988-1 (Custom).JPG (taken 02/23/11) E00801010006 : Seed and Mulch - Seed and Wood Mulch.



Photo 8792-1r.JPG (taken 09/07/10) E00803060004 : Berms - Straw Wattles.

PF: E008

SMA: 2M-SMA-1.67



Photo 8792-2r.JPG (taken 09/07/10) E00802010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E00802020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 8792-3r.JPG (taken 09/07/10) E00803060003 : Berms - Straw Wattles; E00803060005 : Berms - Straw Wattles.

PF: E008

SMA: 2M-SMA-1.67



Photo 8792-4r.JPG (taken 09/07/10) E00803060009 : Berms - Straw Wattles; E00803060010 : Berms - Straw Wattles; E00803060011 : Berms - Straw Wattles.

PF: H005

SMA: 3M-SMA-2.6

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
H00503120005	Berms	Rock Berm	7597-3r.JPG			X	X
H00504040003	Channel/Swale	Culvert	7597-4.JPG			X	
H00506010006	Check Dam	Rock Check Dam	13413-1r.JPG		X		X
H00502020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7597-2r.JPG	X			
H00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7597-2r.JPG	X			
H00502030004	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7597-1r.JPG	X	X		X

Comments

Run-on control function managed by rock berm and culvert at site. Run-on control function of check dam not needed.



Photo 13413-1r.JPG (taken 03/08/11) H00506010006 : Check Dam - Rock Check Dam.

PF: H005

SMA: 3M-SMA-2.6



Photo 7597-1r.JPG (taken 08/13/10) H00502030004 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



Photo 7597-2r.JPG (taken 08/13/10) H00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; H00502020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: H005

SMA: 3M-SMA-2.6



Photo 7597-3r.JPG (taken 08/13/10) H00503120005 : Berms - Rock Berm.



Photo 7597-4.JPG (taken 08/13/10) H00504040003 : Channel/Swale - Culvert.

PF: J015

SMA: PJ-SMA-13

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J01503010002	Berms	Earthen Berm	8668-2r.JPG			X	X
J01503010003	Berms	Earthen Berm	8668-1r.JPG		X		X
J01502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8668-2r.JPG	X			
J01501010004	Seed and Mulch	Seed and Wood Mulch	12971-1r.JPG	X			

Comments

None applicable.



Photo 12971-1r.JPG (taken 02/17/11) J01501010004 : Seed and Mulch - Seed and Wood Mulch.

PF: J015

SMA: PJ-SMA-13



Photo 8668-1r.JPG (taken 09/02/10) J01503010003 : Berms - Earthen Berm.



Photo 8668-2r.JPG (taken 09/02/10) J01502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J01503010002 : Berms - Earthen Berm.

PF: J017

SMA: PJ-SMA-14

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
Cap	X			
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J01703020002	Berms	Base Course Berm	8667-1r.JPG			X	X
J01703020003	Berms	Base Course Berm	8667-3r.JPG		X		X
J01708010001	Cap	Earth Cap	8667-2r.JPG	X			
J01701010004	Seed and Mulch	Seed and Wood Mulch	13344-1r.JPG	X			

Comments

None applicable.



Photo 13344-1r.JPG (taken 03/07/11) J01701010004 : Seed and Mulch - Seed and Wood Mulch.

PF: J017

SMA: PJ-SMA-14



Photo 8667-1r.JPG (taken 09/02/10) J01703020002 : Berms - Base Course Berm.



Photo 8667-2r.JPG (taken 09/02/10) J01708010001 : Cap - Earth Cap.

PF: J017

SMA: PJ-SMA-14



Photo 8667-3r.JPG (taken 09/02/10) J01703020003 : Berms - Base Course Berm.

PF: J020

SMA: PJ-SMA-14.4

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	X		
Seed and Mulch	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J02003040006	Berms	Asphalt Berm	8666-1r.JPG			X	X
J02003010008	Berms	Earthen Berm	8666-2r.JPG			X	X
J02002010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8666-3r.JPG	X			
J02002030002	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	8666-3r.JPG	X	X		
J02001010009	Seed and Mulch	Seed and Wood Mulch	12972-1r.JPG	X			

Comments

Run-on control function managed by berms; run-on control function of seed and mulch not needed. Runoff control function managed by permanent vegetation; runoff control function of berms not needed.



Photo 12972-1r.JPG (taken 02/17/11) J02001010009 : Seed and Mulch - Seed and Wood Mulch.

PF: J020

SMA: PJ-SMA-14.4



Photo 8666-1r.JPG (taken 09/02/10) J02003040006 : Berms - Asphalt Berm.



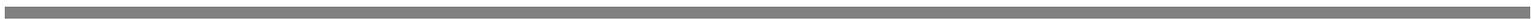
Photo 8666-2r.JPG (taken 09/02/10) J02003010008 : Berms - Earthen Berm.

PF: J020

SMA: PJ-SMA-14.4



Photo 8666-3r.JPG (taken 09/02/10) J02002010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J02002030002 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



ENCLOSURE 5

**Certification of Completion of Baseline Control Measures
for 5 Site Monitoring Areas in Potrillo Canyon
in the Water/Cañon de Valle Watershed**

April 28, 2011

ENV-RCRA-11-0083

LA-UR-11-10500

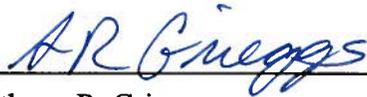
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

PERMITTED FEATURE	SITE MONITORING AREA
I001	PT-SMA-0.5
I002	PT-SMA-1
I003	PT-SMA-1.7
I004	PT-SMA-2
I004A	PT-SMA-2.01

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

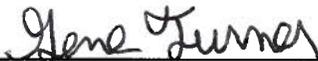
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: I001

SMA: PT-SMA-0.5

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
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
I00103010002	Berms	Earthen Berm	12973-3r.JPG		X		X
I00103010003	Berms	Earthen Berm	12973-2r.JPG			X	X
I00106010004	Check Dam	Rock Check Dam	12973-1r.JPG			X	X
I00102010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12973-4r.JPG	X			
I00101010005	Seed and Mulch	Seed and Wood Mulch	12973-3r.JPG	X			

Comments

Run-on control function managed by berm and check dam. Run-on control function of seed and mulch not needed.



Photo 12973-1r.JPG (taken 02/22/11) I00106010004 : Check Dam - Rock Check Dam.

PF: I001

SMA: PT-SMA-0.5



Photo 12973-2r.JPG (taken 02/22/11) I00103010003 : Berms - Earthen Berm.



Photo 12973-3r.JPG (taken 02/22/11) I00101010005 : Seed and Mulch - Seed and Wood Mulch; I00103010002 : Berms - Earthen Berm.

PF: I001

SMA: PT-SMA-0.5



Photo 12973-4r.JPG (taken 02/22/11) I00102010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: I002

SMA: PT-SMA-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
Established Vegetation	X			
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
I00203010021	Berms	Earthen Berm	12974-2.JPG		X		X
I00203010018	Berms	Earthen Berm	12974-1.JPG		X		X
I00203010019	Berms	Earthen Berm	12974-1.JPG		X		X
I00203010020	Berms	Earthen Berm	12974-1.JPG		X		X
I00203120015	Berms	Rock Berm	12974-4.JPG		X		X
I00203120016	Berms	Rock Berm	12974-3.JPG		X		X
I00203120012	Berms	Rock Berm	12974-6.JPG			X	X
I00203120014	Berms	Rock Berm	12974-4.JPG		X		X
I00203120013	Berms	Rock Berm	12974-6.JPG			X	X
I00202010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12974-5.JPG	X			
I00201010022	Seed and Mulch	Seed and Wood Mulch	12974-1.JPG	X			

Comments

None applicable.

PF: I002

SMA: PT-SMA-1



Photo 12974-1.JPG (taken 02/22/11) I00201010022 : Seed and Mulch - Seed and Wood Mulch; I00203010018 : Berms - Earthen Berm; I00203010019 : Berms - Earthen Berm; I00203010020 : Berms - Earthen Berm.



Photo 12974-2.JPG (taken 02/22/11) I00203010021 : Berms - Earthen Berm.

PF: I002

SMA: PT-SMA-1



Photo 12974-3.JPG (taken 02/22/11) I00203120016 : Berms - Rock Berm.



Photo 12974-4.JPG (taken 02/22/11) I00203120014 : Berms - Rock Berm; I00203120015 : Berms - Rock Berm.

PF: I002

SMA: PT-SMA-1



Photo 12974-5.JPG (taken 02/22/11) I00202010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 12974-6.JPG (taken 02/22/11) I00203120012 : Berms - Rock Berm; I00203120013 : Berms - Rock Berm.

PF: I003

SMA: PT-SMA-1.7

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
I00303060005	Berms	Straw Wattles	12975-5r.JPG			X	X
I00303060008	Berms	Straw Wattles	12975-6r.JPG		X		X
I00303060009	Berms	Straw Wattles	12975-7r.JPG		X		X
I00303060003	Berms	Straw Wattles	12975-3r.JPG		X		X
I00303060004	Berms	Straw Wattles	12975-4r.JPG		X		X
I00303060002	Berms	Straw Wattles	12975-2r.JPG		X		X
I00306010011	Check Dam	Rock Check Dam	12975-1r.JPG			X	X
I00306010010	Check Dam	Rock Check Dam	12975-1r.JPG			X	X
I00302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12975-3r.JPG	X			

Comments

None applicable.

PF: I003

SMA: PT-SMA-1.7



Photo 12975-1r.JPG (taken 02/22/11) I00306010010 : Check Dam - Rock Check Dam; I00306010011 : Check Dam - Rock Check Dam.



Photo 12975-2r.JPG (taken 02/22/11) I00303060002 : Berms - Straw Wattles.

PF: I003

SMA: PT-SMA-1.7



Photo 12975-3r.JPG (taken 02/22/11) I00302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; I00303060003 : Berms - Straw Wattles.



Photo 12975-4r.JPG (taken 02/22/11) I00303060004 : Berms - Straw Wattles.

PF: I003

SMA: PT-SMA-1.7



Photo 12975-5r.JPG (taken 02/22/11) I00303060005 : Berms - Straw Wattles.



Photo 12975-6r.JPG (taken 02/22/11) I00303060008 : Berms - Straw Wattles.

PF: I003

SMA: PT-SMA-1.7



Photo 12975-7r.JPG (taken 02/22/11) I00303060009 : Berms - Straw Wattles.

PF: I004

SMA: PT-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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
I00403010009	Berms	Earthen Berm	12976-1.JPG		X		X
I00403120010	Berms	Rock Berm	13420-1r.JPG			X	X
I00402010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12976-1.JPG	X			

Comments

None applicable.



Photo 12976-1.JPG (taken 02/22/11) I00402010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; I00403010009 : Berms - Earthen Berm.

PF: I004

SMA: PT-SMA-2



Photo 13420-1r.JPG (taken 03/09/11) I00403120010 : Berms - Rock Berm.

PF: I004A

SMA: PT-SMA-2.01

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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
I004A03010003	Berms	Earthen Berm	12977-2r.JPG		X		X
I004A04050002	Channel/Swale	Water Bar	12977-1r.JPG	X		X	
I004A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12977-3r.JPG	X			

Comments

Sediment control function managed by earthen berm at site. Sediment control function of channel/swale not needed.



Photo 12977-1r.JPG (taken 02/22/11) I004A04050002 : Channel/Swale - Water Bar.

PF: I004A

SMA: PT-SMA-2.01



Photo 12977-2r.JPG (taken 02/22/11) I004A03010003 : Berms - Earthen Berm.



Photo 12977-3r.JPG (taken 02/22/11) I004A02010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



ENCLOSURE 6

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

April 28, 2011

ENV-RCRA-11-0083

LA-UR-11-10500

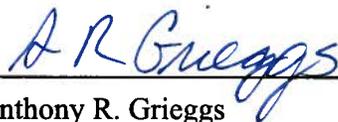
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

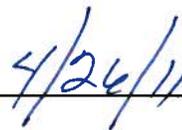
PERMITTED FEATURE	SITE MONITORING AREA
W021	W-SMA-14.1

**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: W021

SMA: W-SMA-14.1

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
Channel/Swale	X		X	
Check Dam		X	X	X
Established Vegetation	X			
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W02103060007	Berms	Straw Wattles	8797-1r.JPG			X	X
W02103060004	Berms	Straw Wattles	8797-1r.JPG			X	X
W02103060005	Berms	Straw Wattles	8797-1r.JPG			X	X
W02103060006	Berms	Straw Wattles	8797-1r.JPG			X	X
W02103060003	Berms	Straw Wattles	8797-1r.JPG			X	X
W02103060002	Berms	Straw Wattles	8797-1r.JPG			X	X
W02104060014	Channel/Swale	Rip Rap	8797-7r.JPG	X		X	
W02106010012	Check Dam	Rock Check Dam	8797-3r.JPG		X		X
W02106010013	Check Dam	Rock Check Dam	8797-2r.JPG		X		X
W02106010008	Check Dam	Rock Check Dam	8797-6r.JPG			X	X
W02106010009	Check Dam	Rock Check Dam	8797-5r.JPG			X	X
W02106010010	Check Dam	Rock Check Dam	8797-5r.JPG			X	X
W02106010011	Check Dam	Rock Check Dam	8797-4r.JPG			X	X
W02102010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8797-3r.JPG	X			
W02101010015	Seed and Mulch	Seed and Wood Mulch	12978-1r.JPG	X			

Comments

None applicable.

PF: W021

SMA: W-SMA-14.1



Photo 12978-1r.JPG (taken 02/22/11) W02101010015 : Seed and Mulch - Seed and Wood Mulch.



Photo 8797-1r.JPG (taken 09/07/10) W02103060002 : Berms - Straw Wattles; W02103060003 : Berms - Straw Wattles; W02103060004 : Berms - Straw Wattles; W02103060005 : Berms - Straw Wattles; W02103060006 : Berms - Straw Wattles; W02103060007 : Berms - Straw Wattles.

PF: W021

SMA: W-SMA-14.1



Photo 8797-2r.JPG (taken 09/07/10) W02106010013 : Check Dam - Rock Check Dam.



Photo 8797-3r.JPG (taken 09/07/10) W02102010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W02106010012 : Check Dam - Rock Check Dam.

PF: W021

SMA: W-SMA-14.1



Photo 8797-4r.JPG (taken 09/07/10) W02106010011 : Check Dam - Rock Check Dam.



Photo 8797-5r.JPG (taken 09/07/10) W02106010009 : Check Dam - Rock Check Dam; W02106010010 : Check Dam - Rock Check Dam.

PF: W021

SMA: W-SMA-14.1



Photo 8797-6r.JPG (taken 09/07/10) W02106010008 : Check Dam - Rock Check Dam.



Photo 8797-7r.JPG (taken 09/07/10) W02104060014 : Channel/Swale - Rip Rap.



External Correspondence Traveler

 <p>Los Alamos NATIONAL LABORATORY EST. 1943</p>	Document Identification					
	ENV-DO. #:	ENV-Group:	Doc. #:	Enclosures:	Attachments:	LAUR Number
		ENV-RCRA	11-0083	Yes: <input checked="" type="checkbox"/>	Yes: <input type="checkbox"/>	11-10500
				No: <input type="checkbox"/>	No: <input type="checkbox"/>	
	Is this a response to an action item		Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>		
Email	<input type="checkbox"/>	Document Date:	04/28/11	4/26/11		
Memo	<input type="checkbox"/>	Due Date:	04/28/11			
Letter	<input checked="" type="checkbox"/>					
To:	Paulette Johnsey, Chief, EPA Region 6 Compliance Assurance and Enforcement Division (6EN-WC)					
Subject:	NPDES Permit No. NM0030759 - Submittal of Certification of Completion of Baseline Control Measures for 21 Site Monitoring Areas, Dated April 28, 2011					
Action:						
Background / Issues	This letter is being submitted in accordance with the requirements of NPDES Permit No. NM0030759, effective on Nov. 1, 2010. As specified in 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 dated April 28, 2011, for baseline control measures completed at 21 Site Monitoring Areas (SMAs) is enclosed.					
Authorizing Official	Name				Date	
From (Ghost Writer)	Cathy Hayes	<i>CHayes</i>			04/26/11	
Author	ARG & GET	<i>ARG</i>			4/26/11	
Group Leader	Anthony R. Grieggs					
Deputy Group Leader	Tina Marie Sandoval					
Division Leader	Dennis L. Hjerresen					
ADC Review						
DUSA / SAFE-7	<i>CHayes</i>	DUSA ENV-PRO			04/26/11	
LC-LESH Review						
Coordinated with Facility or Program	Terrill Lemke	<i>Terrill Lemke</i>			4/26/11	
Comments:	ER505522775US					
Hand Deliver: <input type="checkbox"/> Express Mail: <input checked="" type="checkbox"/> FedEx: <input type="checkbox"/> CRRR: <input type="checkbox"/> Regular Mail Service: <input type="checkbox"/>						
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