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Date: January 12, 2011
Refer To: ENV-RCRA-11-0002
LAUR: 11-00114

Ms. Paulette Johnsey, Chief
Compliance Assurance and Enforcement Division (6EN-WC)
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 57 SITE
MONITORING AREAS, DATED JANUARY 12, 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 57 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 seven (7) 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: Canada del Buey		
C003	CDB-SMA-0.55	46-004(e2)
		46-004(g)
		46-004(m)
		46-004(s)
		46-006(f)
C004	CDB-SMA-1	46-003(c)
		46-004(d2)
		46-004(f)
		46-004(l)
		46-004(w)
		46-008(g)
		46-009(a)
		C-46-001
Total Number of Permitted Features / SMAs: 2		
Enclosure 2: Twomile Canyon		
E002	2M-SMA-1.42	06-001(a)
E004	2M-SMA-1.44	06-001(b)
E005	2M-SMA-1.45	06-006
E007	2M-SMA-1.65	40-005
E009	2M-SMA-1.7	03-055(a)
E010	2M-SMA-1.8	03-001(k)
E011	2M-SMA-1.9	03-003(a)
E012	2M-SMA-2	03-050(d)
		03-054(b)
E014	2M-SMA-3	07-001(a)
		07-001(b)
		07-001(c)
		07-001(d)
E015	2M-SMA-2.5	40-001(c)
Total Number of Permitted Features / SMAs: 10		

Permitted Feature	SMA Number	Site Number
Enclosure 3: Threemile Canyon		
H002	3M-SMA-0.4	15-006(b)
H003	3M-SMA-0.5	15-006(c)
		15-009(c)
H004	3M-SMA-0.6	15-008(b)
H006	3M-SMA-4	18-002(b)
		18-003(c)
		18-010(f)
Total Number of Permitted Features / SMAs: 4		
Enclosure 4: Pajarito Canyon		
J006	PJ-SMA-5.1	22-016
J012	PJ-SMA-10	40-006(a)
J013	PJ-SMA-11	40-003(a)
J014	PJ-SMA-11.1	40-003(b)
J016	PJ-SMA-13.7	18-010(b)
J022	PJ-SMA-14.8	18-012(a)
Total Number of Permitted Features / SMAs: 6		

Permitted Feature	SMA Number	Site Number
Enclosure 5: Canon de Valle		
V001	CDV-SMA-1.2	16-017(b)-99
		16-029(k)
V002	CDV-SMA-1.3	16-017(a)-99
		16-026(m)
V003	CDV-SMA-1.4	16-020
		16-026(l)
		16-028(c)
		16-030(c)
V004	CDV-SMA-1.45	16-026(i)
V005	CDV-SMA-1.7	16-019
V007	CDV-SMA-2.3	13-001
		13-002
		16-003(n)
		16-003(o)
		16-029(h)
		16-031(h)
V008	CDV-SMA-2.41	16-018
V008A	CDV-SMA-2.42	16-010(b)
V009	CDV-SMA-2.5	16-010(c)
		16-010(d)
		16-028(a)
V009A	CDV-SMA-2.51	16-010(i)
V013	CDV-SMA-7	15-008(d)
V014	CDV-SMA-8	15-011(c)
V015	CDV-SMA-8.5	15-014(a)
V016	CDV-SMA-9.05	15-007(b)
<i>Total Number of Permitted Features / SMAs: 14</i>		

Permitted Feature	SMA Number	Site Number
Enclosure 6: Water Canyon		
W002	W-SMA-1.5	16-026(b2)
		16-028(d)
W003	W-SMA-2.05	16-028(e)
W004	W-SMA-3.5	16-026(y)
W005	W-SMA-4.1	16-003(a)
W006	W-SMA-5	16-001(e)
		16-003(f)
		16-026(b)
		16-026(c)
		16-026(d)
		16-026(e)
W007	W-SMA-6	11-001(c)
W008	W-SMA-7	16-026(h2)
W009	W-SMA-7.8	16-031(a)
W010	W-SMA-7.9	16-006(c)
W011	W-SMA-8	16-016(g)
		16-028(b)
W012	W-SMA-8.7	13-001
		13-002
		16-004(a)
		16-026(j2)
		16-029(h)
		16-035
W012A	W-SMA-8.71	16-004(c)
W013	W-SMA-9.05	16-030(g)
W015	W-SMA-9.7	11-011(a)
		11-011(b)
W016	W-SMA-9.8	11-005(c)
W017	W-SMA-9.9	11-006(b)
W018	W-SMA-10	11-002
		11-003(b)
		11-005(a)
		11-005(b)
		11-006(c)
		11-006(d)
		11-011(d)
W019	W-SMA-11.7	49-008(c)
W020	W-SMA-12.05	49-001(g)
W022	W-SMA-15.1	49-005(a)
Total Number of Permitted Features / SMAs: 20		

Enclosure 7: Fence Canyon		
F001	F-SMA-2	36-004(c)
Total Number of Permitted Features / SMAs: 1		

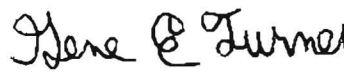
Please contact Terrill Lemke at (505) 665-2397 of the Water Quality and RCRA Group (ENV-RCRA) if you have questions.

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, 6WQ-PP, Dallas, TX, w/enc.
Glenn Saums, NMED/SWQB, Santa Fe, NM, w/enc.
Gene Turner, LASO-EO, w/enc., A316
Michael B. Mallory, PADOPS, w/o enc., A102
J. Chris Cantwell, ADESHQ, w/o enc., K491
Terrill Lemke, ENV-RCRA, w/o enc., (E-File)
Catherine Hayes, ENV-RCRA, w/o enc., (E-File)
Steve Veenis, EP-CAP-DO, w/o enc., (E-File)
Suzanne Coyne, IRM-DCS, w/enc., K490
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 Cañada del Buey in the Mortandad Watershed

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

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

NPDES Permit No. NM0030759

PERMITTED FEATURE	SITE MONITORING AREA
C003	CDB-SMA-0.55
C004	CDB-SMA-1

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

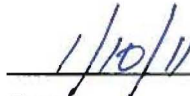
NPDES Permit No. NM0030759

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."



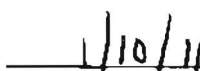
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: C003

SMA: CDB-SMA-0.55

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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
C00303010011	Berms	Earthen Berm	8503-6r.JPG		X		X
C00306020012	Check Dam	Log Check Dam	8503-6r.JPG		X		X
C00306020014	Check Dam	Log Check Dam	8503-5r.JPG		X		X
C00306010006	Check Dam	Rock Check Dam	8503-4r.JPG			X	X
C00306010020	Check Dam	Rock Check Dam	8503-1r.JPG			X	X
C00306010017	Check Dam	Rock Check Dam	8503-2r.JPG			X	X
C00306010018	Check Dam	Rock Check Dam	8503-2r.JPG			X	X
C00306010019	Check Dam	Rock Check Dam	8503-1r.JPG			X	X
C00306010009	Check Dam	Rock Check Dam	8503-7r.JPG		X		X
C00306010015	Check Dam	Rock Check Dam	8503-3r.JPG			X	X
C00306010013	Check Dam	Rock Check Dam	8503-3r.JPG			X	X
C00306010016	Check Dam	Rock Check Dam	8503-3r.JPG			X	X
C00302010008	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8503-6r.JPG	X			

Comments

None applicable.

PF: C003

SMA: CDB-SMA-0.55



Photo 8503-1r.JPG (taken 08/19/10) C00306010019 : Check Dam - Rock Check Dam; C00306010020 : Check Dam - Rock Check Dam.



Photo 8503-2r.JPG (taken 08/19/10) C00306010017 : Check Dam - Rock Check Dam; C00306010018 : Check Dam - Rock Check Dam.

PF: C003

SMA: CDB-SMA-0.55



Photo 8503-3r.JPG (taken 08/19/10) C00306010013 : Check Dam - Rock Check Dam; C00306010015 : Check Dam - Rock Check Dam; C00306010016 : Check Dam - Rock Check Dam.



Photo 8503-4r.JPG (taken 08/19/10) C00306010006 : Check Dam - Rock Check Dam.

PF: C003

SMA: CDB-SMA-0.55



Photo 8503-5r.JPG (taken 08/19/10) C00306020014 : Check Dam - Log Check Dam.



Photo 8503-6r.JPG (taken 08/19/10) C00302010008 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; C00303010011 : Berms - Earthen Berm; C00306020012 : Check Dam - Log Check Dam.

PF: C003

SMA: CDB-SMA-0.55



Photo 8503-7r.JPG (taken 08/19/10) C00306010009 : Check Dam - Rock Check Dam.

PF: C004

SMA: CDB-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	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
C00404060009	Channel/Swale	Rip Rap	11025-9r.JPG			X	X
C00404060006	Channel/Swale	Rip Rap	11025-5r.JPG	X		X	
C00404060008	Channel/Swale	Rip Rap	11025-2r.JPG		X		X
C00406010011	Check Dam	Rock Check Dam	11025-6r.JPG			X	X
C00406010012	Check Dam	Rock Check Dam	11025-7r.JPG			X	X
C00406010013	Check Dam	Rock Check Dam	11025-1r.JPG		X		X
C00406010004	Check Dam	Rock Check Dam	11025-1r.JPG		X		X
C00406010010	Check Dam	Rock Check Dam	11025-8r.JPG			X	X
C00402020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	11025-4r.JPG	X			
C00402010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	11025-4r.JPG	X			
C00402030007	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	11025-3r.JPG	X			

Comments

None applicable.

PF: C004

SMA: CDB-SMA-1



Photo 11025-1r.JPG (taken 10/21/10) C00406010004 : Check Dam - Rock Check Dam; C00406010013 : Check Dam - Rock Check Dam.



Photo 11025-2r.JPG (taken 10/21/10) C00404060008 : Channel/Swale - Rip Rap.

PF: C004

SMA: CDB-SMA-1



Photo 11025-3r.JPG (taken 10/21/10) C00402030007 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



Photo 11025-4r.JPG (taken 10/21/10) C00402010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; C00402020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: C004

SMA: CDB-SMA-1



Photo 11025-5r.JPG (taken 10/21/10) C00404060006 : Channel/Swale - Rip Rap.



Photo 11025-6r.JPG (taken 10/21/10) C00406010011 : Check Dam - Rock Check Dam.

PF: C004

SMA: CDB-SMA-1



Photo 11025-7r.JPG (taken 10/21/10) C00406010012 : Check Dam - Rock Check Dam.



Photo 11025-8r.JPG (taken 10/21/10) C00406010010 : Check Dam - Rock Check Dam.

PF: C004

SMA: CDB-SMA-1



Photo 11025-9r.JPG (taken 10/21/10) C00404060009 : Channel/Swale - Rip Rap.

ENCLOSURE 2

Certification of Completion of Baseline Control Measures for 10 Site Monitoring Areas in Twomile Canyon in the Pajarito Watershed

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

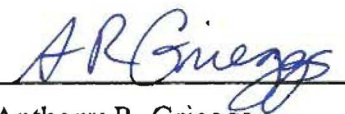
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759**

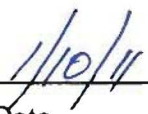
PERMITTED FEATURE	SITE MONITORING AREA
E002	2M-SMA-1.42
E004	2M-SMA-1.44
E005	2M-SMA-1.45
E007	2M-SMA-1.65
E009	2M-SMA-1.7
E010	2M-SMA-1.8
E011	2M-SMA-1.9
E012	2M-SMA-2
E015	2M-SMA-2.5
E014	2M-SMA-3

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759****CERTIFICATION STATEMENT OF AUTHORIZATION**

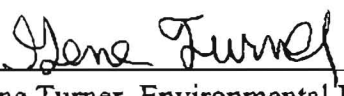
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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



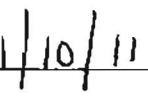
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: E002

SMA: 2M-SMA-1.42

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
E00203010010	Berms	Earthen Berm	8518-1r.JPG		X		X
E00203010009	Berms	Earthen Berm	8518-4r.JPG			X	X
E00203120003	Berms	Rock Berm	8518-2r.JPG			X	X
E00206010007	Check Dam	Rock Check Dam	8518-3r.JPG			X	X
E00206010008	Check Dam	Rock Check Dam	8518-3r.JPG			X	X
E00206010006	Check Dam	Rock Check Dam	8518-3r.JPG			X	X
E00202020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8518-4r.JPG	X			
E00202010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8518-4r.JPG	X			

Comments

None applicable.

PF: E002

SMA: 2M-SMA-1.42



Photo 8518-1r.JPG (taken 08/13/10) E00203010010 : Berms - Earthen Berm.



Photo 8518-2r.JPG (taken 08/13/10) E00203120003 : Berms - Rock Berm.

PF: E002

SMA: 2M-SMA-1.42



Photo 8518-3r.JPG (taken 08/13/10) E00206010006 : Check Dam - Rock Check Dam; E00206010007 : Check Dam - Rock Check Dam; E00206010008 : Check Dam - Rock Check Dam.



Photo 8518-4r.JPG (taken 08/13/10) E00202010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E00202020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; E00203010009 : Berms - Earthen Berm.

PF: E004

SMA: 2M-SMA-1.44

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
E00403060004	Berms	Straw Wattles	7514-2r.JPG			X	X
E00403060005	Berms	Straw Wattles	7514-1r.JPG		X		X
E00403060003	Berms	Straw Wattles	7514-2r.JPG			X	X
E00402020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7514-2r.JPG	X			
E00402010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7514-2r.JPG	X			

Comments

None applicable.



Photo 7514-1r.JPG (taken 08/12/10) E00403060005 : Berms - Straw Wattles.

PF: E004

SMA: 2M-SMA-1.44



Photo 7514-2r.JPG (taken 08/12/10) E00402010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E00402020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; E00403060003 : Berms - Straw Wattles; E00403060004 : Berms - Straw Wattles.

PF: E005

SMA: 2M-SMA-1.45

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
E00503010008	Berms	Earthen Berm	10867-3r.JPG		X		X
E00503010007	Berms	Earthen Berm	10867-2r.JPG		X		X
E00503060002	Berms	Straw Wattles	10867-4r.JPG		X		X
E00503060005	Berms	Straw Wattles	10867-5r.JPG		X		X
E00503060003	Berms	Straw Wattles	10867-4r.JPG		X		X
E00503060012	Berms	Straw Wattles	11461-1r.JPG			X	X
E00503060006	Berms	Straw Wattles	10867-5r.JPG		X		X
E00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10867-6r.JPG	X			
E00501060009	Seed and Mulch	Erosion Control Blanket	10867-2r.JPG	X			
E00501060010	Seed and Mulch	Erosion Control Blanket	10867-3r.JPG	X			
E00501030011	Seed and Mulch	Hydromulch	10867-1r.JPG	X			

Comments

Runoff control function managed by berms at site. Runoff control function of seed and mulch not needed.

PF: E005

SMA: 2M-SMA-1.45



Photo 10867-1r.JPG (taken 10/08/10) E00501030011 : Seed and Mulch - Hydromulch.



Photo 10867-2r.JPG (taken 10/08/10) E00501060009 : Seed and Mulch - Erosion Control Blanket;
E00503010007 : Berms - Earthen Berm.

PF: E005

SMA: 2M-SMA-1.45



Photo 10867-3r.JPG (taken 10/08/10) E00501060010 : Seed and Mulch - Erosion Control Blanket;
E00503010008 : Berms - Earthen Berm.



Photo 10867-4r.JPG (taken 10/08/10) E00503060002 : Berms - Straw Wattles; E00503060003 : Berms - Straw Wattles.

PF: E005

SMA: 2M-SMA-1.45



Photo 10867-5r.JPG (taken 10/08/10) E00503060005 : Berms - Straw Wattles; E00503060006 : Berms - Straw Wattles.



Photo 10867-6r.JPG (taken 10/08/10) E00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: E005

SMA: 2M-SMA-1.45



Photo 11461-1r.JPG (taken 10/22/10) E00503060012 : Berms - Straw Wattles.

PF: E007

SMA: 2M-SMA-1.65

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
E00703010005	Berms	Earthen Berm	10881-1r.JPG		X		X
E00703010004	Berms	Earthen Berm	10881-2r.JPG			X	X
E00702010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10881-2r.JPG	X			

Comments

None applicable.



Photo 10881-1r.JPG (taken 10/04/10) E00703010005 : Berms - Earthen Berm.

PF: E007

SMA: 2M-SMA-1.65



Photo 10881-2r.JPG (taken 10/04/10) E00702010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E00703010004 : Berms - Earthen Berm.

PF: E009

SMA: 2M-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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E00903120005	Berms	Rock Berm	7517-2r.JPG		X		X
E00903060006	Berms	Straw Wattles	7517-1r.JPG			X	X
E00903060007	Berms	Straw Wattles	7517-1r.JPG			X	X
E00902020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7517-3r.JPG	X			

Comments

None applicable.



Photo 7517-1r.JPG (taken 08/12/10) E00903060006 : Berms - Straw Wattles; E00903060007 : Berms - Straw Wattles.

PF: E009

SMA: 2M-SMA-1.7



Photo 7517-2r.JPG (taken 08/12/10) E00903120005 : Berms - Rock Berm.



Photo 7517-3r.JPG (taken 08/12/10) E00902020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: E010

SMA: 2M-SMA-1.8

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E01003040003	Berms	Asphalt Berm	7520-1r.JPG			X	X
E01006010006	Check Dam	Rock Check Dam	7520-3r.JPG		X		X
E01006010004	Check Dam	Rock Check Dam	7520-2r.JPG		X		X
E01006010005	Check Dam	Rock Check Dam	7520-2r.JPG		X		X
E01006010007	Check Dam	Rock Check Dam	7520-3r.JPG		X		X
E01002020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7520-2r.JPG	X			

Comments

None applicable.



Photo 7520-1r.JPG (taken 08/12/10) E01003040003 : Berms - Asphalt Berm.

PF: E010

SMA: 2M-SMA-1.8



Photo 7520-2r.JPG (taken 08/12/10) E01002020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; E01006010004 : Check Dam - Rock Check Dam; E01006010005 : Check Dam - Rock Check Dam.



Photo 7520-3r.JPG (taken 08/12/10) E01006010006 : Check Dam - Rock Check Dam; E01006010007 : Check Dam - Rock Check Dam.

PF: E011

SMA: 2M-SMA-1.9

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E01103090001	Berms	Curbing	7521-3r.JPG			X	X
E01103100002	Berms	Gravel Bags	7521-1r.JPG			X	X
E01103100003	Berms	Gravel Bags	7521-2r.JPG		X		X

Comments

None applicable.



Photo 7521-1r.JPG (taken 08/12/10) E01103100002 : Berms - Gravel Bags.

PF: E011

SMA: 2M-SMA-1.9



Photo 7521-2r.JPG (taken 08/12/10) E01103100003 : Berms - Gravel Bags.



Photo 7521-3r.JPG (taken 08/12/10) E01103090001 : Berms - Curbing.

PF: E012

SMA: 2M-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
Channel/Swale	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
E01203090006	Berms	Curbing	12126-7r.JPG			X	X
E01203060008	Berms	Straw Wattles	12126-5r.JPG		X		X
E01203060009	Berms	Straw Wattles	12126-4r.JPG		X		X
E01203060007	Berms	Straw Wattles	12126-6r.JPG		X		X
E01204060001	Channel/Swale	Rip Rap	12126-3r.JPG	X	X		
E01202020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	12126-2r.JPG	X			
E01202010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	12126-2r.JPG	X			
E01207020010	Gabions	Gabion Blanket	12126-1r.JPG	X	X		

Comments

Run-on control and sediment control functions managed by berms at site. Run-on control and sediment control functions of gabions not needed.

PF: E012

SMA: 2M-SMA-2



Photo 12126-1r.JPG (taken 12/02/10) E01207020010 : Gabions - Gabion Blanket.



Photo 12126-2r.JPG (taken 12/02/10) E01202010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E01202020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: E012

SMA: 2M-SMA-2



Photo 12126-3r.JPG (taken 12/02/10) E01204060001 : Channel/Swale - Rip Rap.



Photo 12126-4r.JPG (taken 12/02/10) E01203060009 : Berms - Straw Wattles.

PF: E012

SMA: 2M-SMA-2



Photo 12126-5r.JPG (taken 12/02/10) E01203060008 : Berms - Straw Wattles.



Photo 12126-6r.JPG (taken 12/02/10) E01203060007 : Berms - Straw Wattles.

PF: E012

SMA: 2M-SMA-2



Photo 12126-7r.JPG (taken 12/02/10) E01203090006 : Berms - Curbing.

PF: E015

SMA: 2M-SMA-2.5

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
E01503010005	Berms	Earthen Berm	8534-1.JPG		X		X
E01503010004	Berms	Earthen Berm	8534-2.JPG			X	X
E01502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8534-1.JPG	X			

Comments

None applicable.



Photo 8534-1.JPG (taken 08/23/10) E01502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E01503010005 : Berms - Earthen Berm.

PF: E015

SMA: 2M-SMA-2.5



Photo 8534-2.JPG (taken 08/23/10) E01503010004 : Berms - Earthen Berm.

PF: E014

SMA: 2M-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	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E01403060007	Berms	Straw Wattles	7513-5.JPG			X	X
E01403060009	Berms	Straw Wattles	7513-4r.JPG		X		X
E01403060006	Berms	Straw Wattles	7513-2r.JPG		X		X
E01403060008	Berms	Straw Wattles	7513-3r.JPG		X		X
E01403060005	Berms	Straw Wattles	7513-1r.JPG		X		X
E01402010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7513-2r.JPG	X			

Comments

None applicable.



Photo 7513-1r.JPG (taken 08/12/10) E01403060005 : Berms - Straw Wattles.

PF: E014

SMA: 2M-SMA-3



Photo 7513-2r.JPG (taken 08/12/10) E01402010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E01403060006 : Berms - Straw Wattles.



Photo 7513-3r.JPG (taken 08/12/10) E01403060008 : Berms - Straw Wattles.

PF: E014

SMA: 2M-SMA-3



Photo 7513-4r.JPG (taken 08/12/10) E01403060009 : Berms - Straw Wattles.



Photo 7513-5.JPG (taken 08/12/10) E01403060007 : Berms - Straw Wattles.

ENCLOSURE 3

Certification of Completion of Baseline Control Measures for 4 Site Monitoring Areas in Threemile Canyon in the Pajarito Watershed

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

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

NPDES Permit No. NM0030759

PERMITTED FEATURE	SITE MONITORING AREA
H002	3M-SMA-0.4
H003	3M-SMA-0.5
H004	3M-SMA-0.6
H006	3M-SMA-4

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

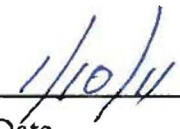
NPDES Permit No. NM0030759

CERTIFICATION STATEMENT OF AUTHORIZATION

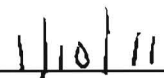
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: H002

SMA: 3M-SMA-0.4

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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
H00203010003	Berms	Earthen Berm	8517-1r.JPG		X		X
H00203050002	Berms	Silt Dike	8517-2r.JPG		X		X
H00202010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8517-1r.JPG	X			

Comments

None applicable.



Photo 8517-1r.JPG (taken 08/13/10) H00202010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; H00203010003 : Berms - Earthen Berm.

PF: H002

SMA: 3M-SMA-0.4



Photo 8517-2r.JPG (taken 08/13/10) H00203050002 : Berms - Silt Dike.

PF: H003

SMA: 3M-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
Channel/Swale	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
H00303010014	Berms	Earthen Berm	10873-01r.JPG		X		X
H00304060001	Channel/Swale	Rip Rap	10873-08r.JPG	X	X		
H00304060004	Channel/Swale	Rip Rap	10873-12r.JPG	X	X		
H00306010011	Check Dam	Rock Check Dam	10873-03r.JPG			X	X
H00306010002	Check Dam	Rock Check Dam	10873-10r.JPG		X		X
H00306010009	Check Dam	Rock Check Dam	10873-05r.JPG			X	X
H00306010010	Check Dam	Rock Check Dam	10873-04r.JPG			X	X
H00306010006	Check Dam	Rock Check Dam	10873-08r.JPG			X	X
H00306010012	Check Dam	Rock Check Dam	10873-07r.JPG			X	X
H00306010013	Check Dam	Rock Check Dam	10873-02r.JPG		X		X
H00306010008	Check Dam	Rock Check Dam	10873-06r.JPG			X	X
H00306010007	Check Dam	Rock Check Dam	10873-06r.JPG			X	X
H00306010016	Check Dam	Rock Check Dam	10873-13r.JPG			X	X
H00306010005	Check Dam	Rock Check Dam	10873-09r.JPG			X	X
H00302010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10873-11r.JPG	X			
H00301030015	Seed and Mulch	Hydromulch	10873-01r.JPG	X			

Comments

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

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-01r.JPG (taken 10/07/10) H00301030015 : Seed and Mulch - Hydromulch; H00303010014 : Berms - Earthen Berm.



Photo 10873-02r.JPG (taken 10/07/10) H00306010013 : Check Dam - Rock Check Dam.

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-03r.JPG (taken 10/07/10) H00306010011 : Check Dam - Rock Check Dam.



Photo 10873-04r.JPG (taken 10/07/10) H00306010010 : Check Dam - Rock Check Dam.

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-05r.JPG (taken 10/07/10) H00306010009 : Check Dam - Rock Check Dam.



Photo 10873-06r.JPG (taken 10/07/10) H00306010007 : Check Dam - Rock Check Dam; H00306010008 : Check Dam - Rock Check Dam.

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-07r.JPG (taken 10/07/10) H00306010012 : Check Dam - Rock Check Dam.



Photo 10873-08r.JPG (taken 10/07/10) H00304060001 : Channel/Swale - Rip Rap; H00306010006 : Check Dam - Rock Check Dam.

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-09r.JPG (taken 10/07/10) H00306010005 : Check Dam - Rock Check Dam.



Photo 10873-10r.JPG (taken 10/07/10) H00306010002 : Check Dam - Rock Check Dam.

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-11r.JPG (taken 10/07/10) H00302010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 10873-12r.JPG (taken 10/07/10) H00304060004 : Channel/Swale - Rip Rap.

PF: H003

SMA: 3M-SMA-0.5



Photo 10873-13r.JPG (taken 10/07/10) H00306010016 : Check Dam - Rock Check Dam.

PF: H004

SMA: 3M-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
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
H00403060015	Berms	Straw Wattles	10872-05r.JPG			X	X
H00403060002	Berms	Straw Wattles	10872-08r.JPG			X	X
H00403060003	Berms	Straw Wattles	10872-09r.JPG			X	X
H00403060004	Berms	Straw Wattles	10872-10r.JPG			X	X
H00403060006	Berms	Straw Wattles	10872-10r.JPG			X	X
H00403060007	Berms	Straw Wattles	10872-13r.JPG			X	X
H00403060008	Berms	Straw Wattles	10872-13r.JPG			X	X
H00403060009	Berms	Straw Wattles	10872-13r.JPG			X	X
H00403060010	Berms	Straw Wattles	10872-11r.JPG			X	X
H00403060027	Berms	Straw Wattles	10872-05r.JPG		X		X
H00403060012	Berms	Straw Wattles	10872-06r.JPG		X		X
H00403060013	Berms	Straw Wattles	10872-06r.JPG		X		X
H00403060014	Berms	Straw Wattles	10872-05r.JPG			X	X
H00403060011	Berms	Straw Wattles	10872-06r.JPG		X		X
H00403060017	Berms	Straw Wattles	10872-04r.JPG		X		X
H00403060018	Berms	Straw Wattles	10872-03r.JPG		X		X
H00403060019	Berms	Straw Wattles	10872-02r.JPG		X		X
H00403060020	Berms	Straw Wattles	10872-01r.JPG		X		X
H00403060021	Berms	Straw Wattles	10872-01r.JPG		X		X
H00403060022	Berms	Straw Wattles	10872-07r.JPG			X	X
H00403060023	Berms	Straw Wattles	10872-07r.JPG			X	X
H00403060024	Berms	Straw Wattles	10872-06r.JPG		X		X
H00403060005	Berms	Straw Wattles	10872-10r.JPG			X	X
H00402020026	Established Vegetation	Permanent Vegetation Forested/Needle Cast	10872-12r.JPG	X			
H00402010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10872-12r.JPG	X			
H00401030028	Seed and Mulch	Hydromulch	10872-14r.JPG	X			

PF: H004

SMA: 3M-SMA-0.6

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
H00401010025	Seed and Mulch	Seed and Wood Mulch	10872-12r.JPG	X		X	

Comments

None applicable.



Photo 10872-01r.JPG (taken 10/07/10) H00403060020 : Berms - Straw Wattles; H00403060021 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-02r.JPG (taken 10/07/10) H00403060019 : Berms - Straw Wattles.



Photo 10872-03r.JPG (taken 10/07/10) H00403060018 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-04r.JPG (taken 10/07/10) H00403060017 : Berms - Straw Wattles.



Photo 10872-05r.JPG (taken 10/07/10) H00403060014 : Berms - Straw Wattles; H00403060015 : Berms - Straw Wattles; H00403060027 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-06r.JPG (taken 10/07/10) H00403060011 : Berms - Straw Wattles; H00403060012 : Berms - Straw Wattles; H00403060013 : Berms - Straw Wattles; H00403060024 : Berms - Straw Wattles.



Photo 10872-07r.JPG (taken 10/07/10) H00403060022 : Berms - Straw Wattles; H00403060023 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-08r.JPG (taken 10/07/10) H00403060002 : Berms - Straw Wattles.



Photo 10872-09r.JPG (taken 10/07/10) H00403060003 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-10r.JPG (taken 10/07/10) H00403060004 : Berms - Straw Wattles; H00403060005 : Berms - Straw Wattles; H00403060006 : Berms - Straw Wattles.



Photo 10872-11r.JPG (taken 10/07/10) H00403060010 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-12r.JPG (taken 10/07/10) H00401010025 : Seed and Mulch - Seed and Wood Mulch; H00402010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; H00402020026 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 10872-13r.JPG (taken 10/07/10) H00403060007 : Berms - Straw Wattles; H00403060008 : Berms - Straw Wattles; H00403060009 : Berms - Straw Wattles.

PF: H004

SMA: 3M-SMA-0.6



Photo 10872-14r.JPG (taken 10/07/10) H00401030028 : Seed and Mulch - Hydromulch.

PF: H006

SMA: 3M-SMA-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
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
H00603010008	Berms	Earthen Berm	7593-4r.JPG		X		X
H00603010007	Berms	Earthen Berm	7593-5r.JPG		X		X
H00604020009	Channel/Swale	Concrete/Asphalt Channel/Swale	7593-1r.JPG	X		X	
H00604060005	Channel/Swale	Rip Rap	7593-1r.JPG	X		X	
H00604060006	Channel/Swale	Rip Rap	7593-2r.JPG	X	X		
H00602010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7593-3r.JPG	X			
H00607010002	Gabions	Gabions	7593-3r.JPG			X	X

Comments

None applicable.

PF: H006

SMA: 3M-SMA-4



Photo 7593-1r.JPG (taken 08/13/10) H00604020009 : Channel/Swale - Concrete/Asphalt Channel/Swale;
H00604060005 : Channel/Swale - Rip Rap.



Photo 7593-2r.JPG (taken 08/13/10) H00604060006 : Channel/Swale - Rip Rap.

PF: H006

SMA: 3M-SMA-4



Photo 7593-3r.JPG (taken 08/13/10) H00602010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; H00607010002 : Gabions - Gabions.



Photo 7593-4r.JPG (taken 08/13/10) H00603010008 : Berms - Earthen Berm.

PF: H006

SMA: 3M-SMA-4



Photo 7593-5r.JPG (taken 08/13/10) H00603010007 : Berms - Earthen Berm.

ENCLOSURE 4

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

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

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

NPDES Permit No. NM0030759

PERMITTED FEATURE	SITE MONITORING AREA
J012	PJ-SMA-10
J013	PJ-SMA-11
J014	PJ-SMA-11.1
J016	PJ-SMA-13.7
J022	PJ-SMA-14.8
J006	PJ-SMA-5.1

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759****CERTIFICATION STATEMENT OF AUTHORIZATION**

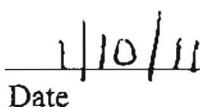
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: J012

SMA: PJ-SMA-10

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
J01203020001	Berms	Base Course Berm	7512-1r.JPG			X	X
J01204060004	Channel/Swale	Rip Rap	7512-3r.JPG	X	X		
J01206010006	Check Dam	Rock Check Dam	7512-2r.JPG		X		X
J01202010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7512-3r.JPG	X			

Comments

None applicable.



Photo 7512-1r.JPG (taken 08/12/10) J01203020001 : Berms - Base Course Berm.

PF: J012

SMA: PJ-SMA-10



Photo 7512-2r.JPG (taken 08/12/10) J01206010006 : Check Dam - Rock Check Dam.



Photo 7512-3r.JPG (taken 08/12/10) J01202010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J01204060004 : Channel/Swale - Rip Rap.

PF: J013

SMA: PJ-SMA-11

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
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
J01303010004	Berms	Earthen Berm	11458-1r.JPG			X	X
J01303010003	Berms	Earthen Berm	10864-2r.JPG		X		X
J01303060011	Berms	Straw Wattles	10864-4r.JPG		X		X
J01303060012	Berms	Straw Wattles	10864-5r.JPG		X		X
J01303060013	Berms	Straw Wattles	10864-5r.JPG		X		X
J01303060014	Berms	Straw Wattles	10864-5r.JPG		X		X
J01303060009	Berms	Straw Wattles	10864-4r.JPG		X		X
J01303060010	Berms	Straw Wattles	10864-4r.JPG		X		X
J01306010007	Check Dam	Rock Check Dam	10864-6r.JPG		X		X
J01306010008	Check Dam	Rock Check Dam	10864-7r.JPG		X		X
J01306010005	Check Dam	Rock Check Dam	10864-3r.JPG		X		X
J01306010006	Check Dam	Rock Check Dam	10864-6r.JPG		X		X
J01302010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10864-7r.JPG	X			
J01301030015	Seed and Mulch	Hydromulch	10864-1r.JPG	X			

Comments

None applicable.

PF: J013

SMA: PJ-SMA-11



Photo 10864-1r.JPG (taken 10/07/10) J01301030015 : Seed and Mulch - Hydromulch.



Photo 10864-2r.JPG (taken 10/07/10) J01303010003 : Berms - Earthen Berm.

PF: J013

SMA: PJ-SMA-11



Photo 10864-3r.JPG (taken 10/07/10) J01306010005 : Check Dam - Rock Check Dam.



Photo 10864-4r.JPG (taken 10/07/10) J01303060009 : Berms - Straw Wattles; J01303060010 : Berms - Straw Wattles; J01303060011 : Berms - Straw Wattles.

PF: J013

SMA: PJ-SMA-11



Photo 10864-5r.JPG (taken 10/07/10) J01303060012 : Berms - Straw Wattles; J01303060013 : Berms - Straw Wattles; J01303060014 : Berms - Straw Wattles.



Photo 10864-6r.JPG (taken 10/07/10) J01306010006 : Check Dam - Rock Check Dam; J01306010007 : Check Dam - Rock Check Dam.

PF: J013

SMA: PJ-SMA-11



Photo 10864-7r.JPG (taken 10/07/10) J01302010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J01306010008 : Check Dam - Rock Check Dam.



Photo 11458-1r.JPG (taken 10/26/10) J01303010004 : Berms - Earthen Berm.

PF: J014

SMA: PJ-SMA-11.1

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
J01403010003	Berms	Earthen Berm	10865-5r.JPG			X	X
J01403060014	Berms	Straw Wattles	11459-1r.JPG		X		X
J01406010010	Check Dam	Rock Check Dam	10865-2r.JPG		X		X
J01406010004	Check Dam	Rock Check Dam	11459-3r.JPG		X		X
J01406010008	Check Dam	Rock Check Dam	11459-2r.JPG		X		X
J01406010009	Check Dam	Rock Check Dam	11459-2r.JPG		X		X
J01406010006	Check Dam	Rock Check Dam	11459-4r.JPG		X		X
J01406010011	Check Dam	Rock Check Dam	10865-3r.JPG		X		X
J01406010007	Check Dam	Rock Check Dam	10865-6r.JPG		X		X
J01406010012	Check Dam	Rock Check Dam	10865-4r.JPG		X		X
J01406010005	Check Dam	Rock Check Dam	11459-3r.JPG		X		X
J01402010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10865-7r.JPG	X			
J01401030013	Seed and Mulch	Hydromulch	10865-1r.JPG	X			

Comments

None applicable.

PF: J014

SMA: PJ-SMA-11.1



Photo 10865-1r.JPG (taken 10/07/10) J01401030013 : Seed and Mulch - Hydromulch.



Photo 10865-2r.JPG (taken 10/07/10) J01406010010 : Check Dam - Rock Check Dam.

PF: J014

SMA: PJ-SMA-11.1



Photo 10865-3r.JPG (taken 10/07/10) J01406010011 : Check Dam - Rock Check Dam.



Photo 10865-4r.JPG (taken 10/07/10) J01406010012 : Check Dam - Rock Check Dam.

PF: J014

SMA: PJ-SMA-11.1



Photo 10865-5r.JPG (taken 10/07/10) J01403010003 : Berms - Earthen Berm.



Photo 10865-6r.JPG (taken 10/07/10) J01406010007 : Check Dam - Rock Check Dam.

PF: J014

SMA: PJ-SMA-11.1



Photo 10865-7r.JPG (taken 10/07/10) J01402010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 11459-1r.JPG (taken 10/26/10) J01403060014 : Berms - Straw Wattles.

PF: J014

SMA: PJ-SMA-11.1



Photo 11459-2r.JPG (taken 10/26/10) J01406010008 : Check Dam - Rock Check Dam; J01406010009 : Check Dam - Rock Check Dam.



Photo 11459-3r.JPG (taken 10/26/10) J01406010004 : Check Dam - Rock Check Dam; J01406010005 : Check Dam - Rock Check Dam.

PF: J014

SMA: PJ-SMA-11.1



Photo 11459-4r.JPG (taken 10/26/10) J01406010006 : Check Dam - Rock Check Dam.

PF: J016

SMA: PJ-SMA-13.7

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
J01606010005	Check Dam	Rock Check Dam	7523-6r.JPG			X	X
J01606010007	Check Dam	Rock Check Dam	7523-1r.JPG			X	X
J01606010006	Check Dam	Rock Check Dam	7523-2r.JPG			X	X
J01606010004	Check Dam	Rock Check Dam	7523-3r.JPG			X	X
J01602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7523-5r.JPG	X			
J01602030003	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7523-4r.JPG	X	X		
J01607010002	Gabions	Gabions	7523-4r.JPG	X	X		

Comments

None applicable.

PF: J016

SMA: PJ-SMA-13.7



Photo 7523-1r.JPG (taken 08/12/10) J01606010007 : Check Dam - Rock Check Dam.



Photo 7523-2r.JPG (taken 08/12/10) J01606010006 : Check Dam - Rock Check Dam.

PF: J016

SMA: PJ-SMA-13.7



Photo 7523-3r.JPG (taken 08/12/10) J01606010004 : Check Dam - Rock Check Dam.



Photo 7523-4r.JPG (taken 08/12/10) J01602030003 : Established Vegetation - Permanent Vegetation
Vegetative Buffer Strip; J01607010002 : Gabions - Gabions.

PF: J016

SMA: PJ-SMA-13.7



Photo 7523-5r.JPG (taken 08/12/10) J01602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7523-6r.JPG (taken 08/12/10) J01606010005 : Check Dam - Rock Check Dam.

PF: J022

SMA: PJ-SMA-14.8

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
J02203020005	Berms	Base Course Berm	7527-1r.JPG			X	X
J02203060006	Berms	Straw Wattles	7527-2r.JPG		X		X
J02202010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7527-2r.JPG	X			
J02202030004	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7527-2r.JPG	X	X		

Comments

None applicable.



Photo 7527-1r.JPG (taken 08/12/10) J02203020005 : Berms - Base Course Berm.

PF: J022

SMA: PJ-SMA-14.8



Photo 7527-2r.JPG (taken 08/12/10) J02202010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J02202030004 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip; J02203060006 : Berms - Straw Wattles.

PF: J006

SMA: PJ-SMA-5.1

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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J00603060006	Berms	Straw Wattles	7507-1r.JPG			X	X
J00603060005	Berms	Straw Wattles	7507-1r.JPG			X	X
J00604010004	Channel/Swale	Earthen Channel/Swale	7507-2r.JPG	X		X	
J00606010007	Check Dam	Rock Check Dam	7507-3r.JPG		X		X
J00602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7507-3r.JPG	X			

Comments

None applicable.



Photo 7507-1r.JPG (taken 08/11/10) J00603060005 : Berms - Straw Wattles; J00603060006 : Berms - Straw Wattles.

PF: J006

SMA: PJ-SMA-5.1



Photo 7507-2r.JPG (taken 08/11/10) J00604010004 : Channel/Swale - Earthen Channel/Swale.



Photo 7507-3r.JPG (taken 08/11/10) J00602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J00606010007 : Check Dam - Rock Check Dam.

ENCLOSURE 5

Certification of Completion of Baseline Control Measures for 14 Site Monitoring Areas in Cañon de Valle in the Water/Cañon de Valle Watershed

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

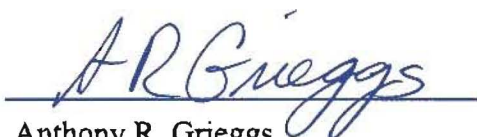
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759**

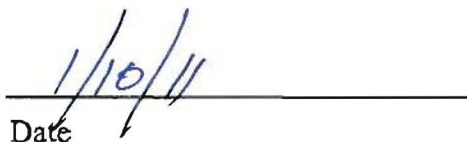
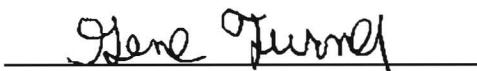
PERMITTED FEATURE	SITE MONITORING AREA
V001	CDV-SMA-1.2
V002	CDV-SMA-1.3
V003	CDV-SMA-1.4
V004	CDV-SMA-1.45
V005	CDV-SMA-1.7
V007	CDV-SMA-2.3
V008	CDV-SMA-2.41
V008A	CDV-SMA-2.42
V009	CDV-SMA-2.5
V009A	CDV-SMA-2.51
V013	CDV-SMA-7
V014	CDV-SMA-8
V015	CDV-SMA-8.5
V016	CDV-SMA-9.05

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759****CERTIFICATION STATEMENT OF AUTHORIZATION**

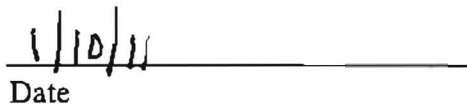
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: V001

SMA: CDV-SMA-1.2

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			
Seed and Mulch	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V00103020008	Berms	Base Course Berm	8520-1r.JPG		X		X
V00103060005	Berms	Straw Wattles	8520-1r.JPG			X	X
V00103060006	Berms	Straw Wattles	8520-1r.JPG			X	X
V00104060001	Channel/Swale	Rip Rap	8520-2r.JPG	X	X		
V00106010007	Check Dam	Rock Check Dam	8520-1r.JPG		X		X
V00102010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8520-1r.JPG	X			
V00101010004	Seed and Mulch	Seed and Wood Mulch	8520-1r.JPG	X			
V00101010003	Seed and Mulch	Seed and Wood Mulch	8520-1r.JPG	X			

Comments

None applicable.

PF: V001

SMA: CDV-SMA-1.2



Photo 8520-1r.JPG (taken 08/18/10) V00101010003 : Seed and Mulch - Seed and Wood Mulch; V00101010004 : Seed and Mulch - Seed and Wood Mulch; V00102010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00103020008 : Berms - Base Course Berm; V00103060005 : Berms - Straw Wattles; V00103060006 : Berms - Straw Wattles; V00106010007 : Check Dam - Rock Check Dam.



Photo 8520-2r.JPG (taken 08/18/10) V00104060001 : Channel/Swale - Rip Rap.

PF: V002

SMA: CDV-SMA-1.3

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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V00203020002	Berms	Base Course Berm	8521-1r.JPG		X		X
V00202010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8521-1r.JPG	X			

Comments

None applicable.



Photo 8521-1r.JPG (taken 08/18/10) V00202010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00203020002 : Berms - Base Course Berm.

PF: V003

SMA: CDV-SMA-1.4

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
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
V00303020017	Berms	Base Course Berm	8522-01r.JPG			X	X
V00303120013	Berms	Rock Berm	8522-04r.JPG			X	X
V00303120015	Berms	Rock Berm	8522-05r.JPG			X	X
V00303120014	Berms	Rock Berm	8522-03r.JPG			X	X
V00303060022	Berms	Straw Wattles	8522-11r.JPG		X		X
V00303060023	Berms	Straw Wattles	8522-11r.JPG		X		X
V00303060021	Berms	Straw Wattles	8522-14r.JPG			X	X
V00303060020	Berms	Straw Wattles	8522-12r.JPG			X	X
V00303060024	Berms	Straw Wattles	8522-11r.JPG		X		X
V00303060018	Berms	Straw Wattles	8522-15r.JPG			X	X
V00303060019	Berms	Straw Wattles	8522-13r.JPG			X	X
V00304060001	Channel/Swale	Rip Rap	8522-09r.JPG	X	X		
V00306010004	Check Dam	Rock Check Dam	8522-02r.JPG			X	X
V00306010010	Check Dam	Rock Check Dam	8522-07r.JPG		X		X
V00306010027	Check Dam	Rock Check Dam	8522-06r.JPG			X	X
V00306010006	Check Dam	Rock Check Dam	8522-09r.JPG		X		X
V00306010008	Check Dam	Rock Check Dam	8522-07r.JPG		X		X
V00306010009	Check Dam	Rock Check Dam	8522-07r.JPG		X		X
V00306010028	Check Dam	Rock Check Dam	8522-06r.JPG			X	X
V00306010011	Check Dam	Rock Check Dam	8522-08r.JPG		X		X
V00306010012	Check Dam	Rock Check Dam	8522-09r.JPG		X		X
V00306010016	Check Dam	Rock Check Dam	8522-02r.JPG			X	X
V00306010026	Check Dam	Rock Check Dam	8522-02r.JPG			X	X
V00302020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8522-04r.JPG	X			

PF: V003

SMA: CDV-SMA-1.4

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V00302010007	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8522-04r.JPG	X			
V00301010025	Seed and Mulch	Seed and Wood Mulch	8522-10r.JPG	X			

Comments

None applicable.



Photo 8522-01r.JPG (taken 08/18/10) V00303020017 : Berms - Base Course Berm.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-02r.JPG (taken 08/18/10) V00306010004 : Check Dam - Rock Check Dam; V00306010016 : Check Dam - Rock Check Dam; V00306010026 : Check Dam - Rock Check Dam.



Photo 8522-03r.JPG (taken 08/18/10) V00303120014 : Berms - Rock Berm.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-04r.JPG (taken 08/18/10) V00302010007 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00302020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; V00303120013 : Berms - Rock Berm.



Photo 8522-05r.JPG (taken 08/18/10) V00303120015 : Berms - Rock Berm.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-06r.JPG (taken 08/18/10) V00306010027 : Check Dam - Rock Check Dam; V00306010028 : Check Dam - Rock Check Dam.



Photo 8522-07r.JPG (taken 08/18/10) V00306010008 : Check Dam - Rock Check Dam; V00306010009 : Check Dam - Rock Check Dam; V00306010010 : Check Dam - Rock Check Dam.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-08r.JPG (taken 08/18/10) V00306010011 : Check Dam - Rock Check Dam.



Photo 8522-09r.JPG (taken 08/18/10) V00304060001 : Channel/Swale - Rip Rap; V00306010006 : Check Dam - Rock Check Dam; V00306010012 : Check Dam - Rock Check Dam.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-10r.JPG (taken 08/18/10) V00301010025 : Seed and Mulch - Seed and Wood Mulch.



Photo 8522-11r.JPG (taken 08/18/10) V00303060022 : Berms - Straw Wattles; V00303060023 : Berms - Straw Wattles; V00303060024 : Berms - Straw Wattles.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-12r.JPG (taken 08/18/10) V00303060020 : Berms - Straw Wattles.



Photo 8522-13r.JPG (taken 08/18/10) V00303060019 : Berms - Straw Wattles.

PF: V003

SMA: CDV-SMA-1.4



Photo 8522-14r.JPG (taken 08/18/10) V00303060021 : Berms - Straw Wattles.



Photo 8522-15r.JPG (taken 08/18/10) V00303060018 : Berms - Straw Wattles.

PF: V004

SMA: CDV-SMA-1.45

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
V00403060003	Berms	Straw Wattles	8523-2r.JPG		X		X
V00403060002	Berms	Straw Wattles	8523-1r.JPG			X	X
V00402020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8523-2r.JPG	X			

Comments

None applicable.



Photo 8523-1r.JPG (taken 08/18/10) V00403060002 : Berms - Straw Wattles.

PF: V004

SMA: CDV-SMA-1.45



Photo 8523-2r.JPG (taken 08/18/10) V00402020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; V00403060003 : Berms - Straw Wattles.

PF: V005

SMA: CDV-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)
Check Dam		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
V00504060015	Channel/Swale	Rip Rap	11699-5r.JPG	X			
V00506010009	Check Dam	Rock Check Dam	10885-2r.JPG			X	X
V00506010008	Check Dam	Rock Check Dam	10885-3r.JPG			X	X
V00506010013	Check Dam	Rock Check Dam	11699-4r.JPG			X	X
V00506010014	Check Dam	Rock Check Dam	11699-3r.JPG			X	X
V00506010010	Check Dam	Rock Check Dam	10885-1r.JPG			X	X
V00506010011	Check Dam	Rock Check Dam	11699-2r.JPG		X		X
V00506010012	Check Dam	Rock Check Dam	11699-1r.JPG		X		X
V00506010005	Check Dam	Rock Check Dam	10885-6r.JPG		X		X
V00506010006	Check Dam	Rock Check Dam	10885-4r.JPG		X		X
V00506010007	Check Dam	Rock Check Dam	10885-5r.JPG		X		X
V00502010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10885-6r.JPG	X			
V00501010004	Seed and Mulch	Seed and Wood Mulch	10885-7r.JPG	X	X		

Comments

None applicable.

PF: V005

SMA: CDV-SMA-1.7



Photo 10885-1r.JPG (taken 10/01/10) V00506010010 : Check Dam - Rock Check Dam.



Photo 10885-2r.JPG (taken 10/01/10) V00506010009 : Check Dam - Rock Check Dam.

PF: V005

SMA: CDV-SMA-1.7



Photo 10885-3r.JPG (taken 10/01/10) V00506010008 : Check Dam - Rock Check Dam.



Photo 10885-4r.JPG (taken 10/01/10) V00506010006 : Check Dam - Rock Check Dam.

PF: V005

SMA: CDV-SMA-1.7



Photo 10885-5r.JPG (taken 10/01/10) V00506010007 : Check Dam - Rock Check Dam.



Photo 10885-6r.JPG (taken 10/01/10) V00502010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00506010005 : Check Dam - Rock Check Dam.

PF: V005

SMA: CDV-SMA-1.7



Photo 10885-7r.JPG (taken 10/01/10) V00501010004 : Seed and Mulch - Seed and Wood Mulch.



Photo 11699-1r.JPG (taken 11/15/10) V00506010012 : Check Dam - Rock Check Dam.

PF: V005

SMA: CDV-SMA-1.7



Photo 11699-2r.JPG (taken 11/15/10) V00506010011 : Check Dam - Rock Check Dam.



Photo 11699-3r.JPG (taken 11/15/10) V00506010014 : Check Dam - Rock Check Dam.

PF: V005

SMA: CDV-SMA-1.7



Photo 11699-4r.JPG (taken 11/15/10) V00506010013 : Check Dam - Rock Check Dam.



Photo 11699-5r.JPG (taken 11/15/10) V00504060015 : Channel/Swale - Rip Rap.

PF: V007

SMA: CDV-SMA-2.3

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	X
Check Dam		X	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
V00703060011	Berms	Straw Wattles	8527-9r.JPG		X		X
V00703060014	Berms	Straw Wattles	8527-1r.JPG		X		X
V00703060013	Berms	Straw Wattles	8527-1r.JPG		X		X
V00703060012	Berms	Straw Wattles	8527-1r.JPG		X		X
V00703060009	Berms	Straw Wattles	8527-7r.JPG		X		X
V00703060010	Berms	Straw Wattles	8527-8r.JPG		X		X
V00703060008	Berms	Straw Wattles	8527-6r.JPG			X	X
V00703060007	Berms	Straw Wattles	8527-5r.JPG			X	X
V00703060015	Berms	Straw Wattles	8527-1r.JPG		X		X
V00706010005	Check Dam	Rock Check Dam	8527-3r.JPG		X		X
V00702020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8527-2r.JPG	X			
V00702010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8527-2r.JPG	X			
V00707010002	Gabions	Gabions	8527-4r.JPG		X		X

Comments

Run-on control function managed by using berms. Run-on control function of rock check dam not needed.

PF: V007

SMA: CDV-SMA-2.3



Photo 8527-1r.JPG (taken 08/18/10) V00703060012 : Berms - Straw Wattles; V00703060013 : Berms - Straw Wattles; V00703060014 : Berms - Straw Wattles; V00703060015 : Berms - Straw Wattles.



Photo 8527-2r.JPG (taken 08/18/10) V00702010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00702020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: V007

SMA: CDV-SMA-2.3



Photo 8527-3r.JPG (taken 08/18/10) V00706010005 : Check Dam - Rock Check Dam.



Photo 8527-4r.JPG (taken 08/18/10) V00707010002 : Gabions - Gabions.

PF: V007

SMA: CDV-SMA-2.3



Photo 8527-5r.JPG (taken 08/18/10) V00703060007 : Berms - Straw Wattles.



Photo 8527-6r.JPG (taken 08/18/10) V00703060008 : Berms - Straw Wattles.

PF: V007

SMA: CDV-SMA-2.3



Photo 8527-7r.JPG (taken 08/18/10) V00703060009 : Berms - Straw Wattles.



Photo 8527-8r.JPG (taken 08/18/10) V00703060010 : Berms - Straw Wattles.

PF: V007

SMA: CDV-SMA-2.3



Photo 8527-9r.JPG (taken 08/18/10) V00703060011 : Berms - Straw Wattles.

PF: V008

SMA: CDV-SMA-2.41

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
V00803060002	Berms	Straw Wattles	8793-4r.JPG		X		X
V00804040011	Channel/Swale	Culvert	8793-1r.JPG	X		X	
V00804060009	Channel/Swale	Rip Rap	8793-1r.JPG	X		X	
V00804060010	Channel/Swale	Rip Rap	8793-4r.JPG	X		X	
V00806030007	Check Dam	Juniper Bales	8793-2r.JPG		X		X
V00806030008	Check Dam	Juniper Bales	8793-3r.JPG		X		X
V00802010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8793-4r.JPG	X			

Comments

None applicable.

PF: V008

SMA: CDV-SMA-2.41



Photo 8793-1r.JPG (taken 09/07/10) V00804040011 : Channel/Swale - Culvert; V00804060009 : Channel/Swale - Rip Rap.



Photo 8793-2r.JPG (taken 09/07/10) V00806030007 : Check Dam - Juniper Bales.

PF: V008

SMA: CDV-SMA-2.41



Photo 8793-3r.JPG (taken 09/07/10) V00806030008 : Check Dam - Juniper Bales.



Photo 8793-4r.JPG (taken 09/07/10) V00802010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00803060002 : Berms - Straw Wattles; V00804060010 : Channel/Swale - Rip Rap.

PF: V008A

SMA: CDV-SMA-2.42

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			
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
V008A03010016	Berms	Earthen Berm	11465-5r.JPG		X		X
V008A03010006	Berms	Earthen Berm	11465-4r.JPG		X		X
V008A03060008	Berms	Straw Wattles	11465-2r.JPG		X		X
V008A03060011	Berms	Straw Wattles	11465-2r.JPG		X		X
V008A03060009	Berms	Straw Wattles	11465-1r.JPG		X		X
V008A03060012	Berms	Straw Wattles	11465-2r.JPG			X	X
V008A03060007	Berms	Straw Wattles	11465-1r.JPG		X		X
V008A03060010	Berms	Straw Wattles	11465-3r.JPG		X		X
V008A03060014	Berms	Straw Wattles	11465-2r.JPG			X	X
V008A04060002	Channel/Swale	Rip Rap	11465-6r.JPG	X	X		
V008A04060005	Channel/Swale	Rip Rap	11465-7r.JPG	X	X		
V008A06010004	Check Dam	Rock Check Dam	11465-6r.JPG		X		X
V008A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	11465-4r.JPG	X			
V008A07010003	Gabions	Gabions	11465-7r.JPG		X		X
V008A01030015	Seed and Mulch	Hydromulch	11465-8r.JPG	X			

Comments

None applicable.

PF: V008A

SMA: CDV-SMA-2.42



Photo 11465-1r.JPG (taken 10/22/10) V008A03060007 : Berms - Straw Wattles; V008A03060009 : Berms - Straw Wattles.



Photo 11465-2r.JPG (taken 10/22/10) V008A03060008 : Berms - Straw Wattles; V008A03060011 : Berms - Straw Wattles; V008A03060012 : Berms - Straw Wattles; V008A03060014 : Berms - Straw Wattles.

PF: V008A

SMA: CDV-SMA-2.42



Photo 11465-3r.JPG (taken 10/22/10) V008A03060010 : Berms - Straw Wattles.



Photo 11465-4r.JPG (taken 10/22/10) V008A02010001 : Established Vegetation - Permanent Vegetation
Grasses and Shrubs; V008A03010006 : Berms - Earthen Berm.

PF: V008A

SMA: CDV-SMA-2.42



Photo 11465-5r.JPG (taken 10/22/10) V008A03010016 : Berms - Earthen Berm.



Photo 11465-6r.JPG (taken 10/22/10) V008A04060002 : Channel/Swale - Rip Rap; V008A06010004 : Check Dam - Rock Check Dam.

PF: V008A

SMA: CDV-SMA-2.42



Photo 11465-7r.JPG (taken 10/22/10) V008A04060005 : Channel/Swale - Rip Rap; V008A07010003 : Gabions - Gabions.



Photo 11465-8r.JPG (taken 10/22/10) V008A01030015 : Seed and Mulch - Hydromulch.

PF: V009

SMA: CDV-SMA-2.5

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V00903010011	Berms	Earthen Berm	8524-11r.JPG		X		X
V00903060019	Berms	Straw Wattles	8524-04r.JPG			X	X
V00903060020	Berms	Straw Wattles	8524-02r.JPG		X		X
V00903060021	Berms	Straw Wattles	8524-02r.JPG		X		X
V00904060007	Channel/Swale	Rip Rap	8524-09r.JPG	X		X	
V00904060009	Channel/Swale	Rip Rap	8524-07r.JPG	X		X	
V00904060006	Channel/Swale	Rip Rap	8524-01r.JPG	X	X		
V00904060005	Channel/Swale	Rip Rap	8524-03r.JPG	X		X	
V00906030013	Check Dam	Juniper Bales	8524-10r.JPG		X		X
V00906030014	Check Dam	Juniper Bales	8524-10r.JPG		X		X
V00906010017	Check Dam	Rock Check Dam	8524-05r.JPG			X	X
V00906010022	Check Dam	Rock Check Dam	8524-03r.JPG			X	X
V00906010018	Check Dam	Rock Check Dam	8524-05r.JPG			X	X
V00906010016	Check Dam	Rock Check Dam	8524-06r.JPG			X	X
V00906010015	Check Dam	Rock Check Dam	8524-06r.JPG			X	X
V00902010012	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8524-02r.JPG	X			
V00901010023	Seed and Mulch	Seed and Wood Mulch	8524-08r.JPG	X			
V00901010003	Seed and Mulch	Seed and Wood Mulch	8524-02r.JPG	X	X		
V00901010004	Seed and Mulch	Seed and Wood Mulch	8524-04r.JPG	X		X	

Comments

None applicable.

PF: V009

SMA: CDV-SMA-2.5



Photo 8524-01r.JPG (taken 08/18/10) V00904060006 : Channel/Swale - Rip Rap.



Photo 8524-02r.JPG (taken 08/18/10) V00901010003 : Seed and Mulch - Seed and Wood Mulch;
V00902010012 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V00903060020 : Berms -
Straw Wattles; V00903060021 : Berms - Straw Wattles.

PF: V009

SMA: CDV-SMA-2.5



Photo 8524-03r.JPG (taken 08/18/10) V00904060005 : Channel/Swale - Rip Rap; V00906010022 : Check Dam - Rock Check Dam.



Photo 8524-04r.JPG (taken 08/18/10) V00901010004 : Seed and Mulch - Seed and Wood Mulch; V00903060019 : Berms - Straw Wattles.

PF: V009

SMA: CDV-SMA-2.5



Photo 8524-05r.JPG (taken 08/18/10) V00906010017 : Check Dam - Rock Check Dam; V00906010018 : Check Dam - Rock Check Dam.



Photo 8524-06r.JPG (taken 08/18/10) V00906010015 : Check Dam - Rock Check Dam; V00906010016 : Check Dam - Rock Check Dam.

PF: V009

SMA: CDV-SMA-2.5



Photo 8524-07r.JPG (taken 08/18/10) V00904060009 : Channel/Swale - Rip Rap.



Photo 8524-08r.JPG (taken 08/18/10) V00901010023 : Seed and Mulch - Seed and Wood Mulch.

PF: V009

SMA: CDV-SMA-2.5



Photo 8524-09r.JPG (taken 08/18/10) V00904060007 : Channel/Swale - Rip Rap.



Photo 8524-10r.JPG (taken 08/18/10) V00906030013 : Check Dam - Juniper Bales; V00906030014 : Check Dam - Juniper Bales.

PF: V009

SMA: CDV-SMA-2.5



Photo 8524-11r.JPG (taken 08/18/10) V00903010011 : Berms - Earthen Berm.

PF: V009A

SMA: CDV-SMA-2.51

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
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
V009A03020012	Berms	Base Course Berm	8525-12r.JPG			X	X
V009A03020005	Berms	Base Course Berm	8525-09r.JPG			X	X
V009A03060024	Berms	Straw Wattles	11807-1r.JPG			X	X
V009A03060023	Berms	Straw Wattles	8525-02r.JPG			X	X
V009A03060011	Berms	Straw Wattles	8525-07r.JPG			X	X
V009A03060018	Berms	Straw Wattles	8525-03r.JPG			X	X
V009A03060019	Berms	Straw Wattles	8525-03r.JPG			X	X
V009A03060020	Berms	Straw Wattles	8525-03r.JPG			X	X
V009A03060021	Berms	Straw Wattles	8525-03r.JPG			X	X
V009A03060010	Berms	Straw Wattles	8525-07r.JPG			X	X
V009A03060009	Berms	Straw Wattles	8525-07r.JPG			X	X
V009A03060008	Berms	Straw Wattles	8525-07r.JPG			X	X
V009A03060007	Berms	Straw Wattles	8525-07r.JPG			X	X
V009A03060022	Berms	Straw Wattles	8525-02r.JPG			X	X
V009A03060027	Berms	Straw Wattles	11807-1r.JPG			X	X
V009A03060026	Berms	Straw Wattles	11807-1r.JPG			X	X
V009A03060025	Berms	Straw Wattles	11807-1r.JPG			X	X
V009A06030017	Check Dam	Juniper Bales	8525-01r.JPG			X	X
V009A06010006	Check Dam	Rock Check Dam	8525-11r.JPG			X	X
V009A06010013	Check Dam	Rock Check Dam	8525-08r.JPG		X		X
V009A06010003	Check Dam	Rock Check Dam	8525-10r.JPG		X		X
V009A06010004	Check Dam	Rock Check Dam	8525-10r.JPG		X		X
V009A06010016	Check Dam	Rock Check Dam	8525-04r.JPG			X	X
V009A06010015	Check Dam	Rock Check Dam	8525-05r.JPG		X		X
V009A06010014	Check Dam	Rock Check Dam	8525-06r.JPG		X		X
V009A02020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8525-01r.JPG	X			

PF: V009A

SMA: CDV-SMA-2.51

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V009A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8525-05r.JPG	X			

Comments

None applicable.



Photo 11807-1r.JPG (taken 08/18/10) V009A03060024 : Berms - Straw Wattles; V009A03060025 : Berms - Straw Wattles; V009A03060026 : Berms - Straw Wattles; V009A03060027 : Berms - Straw Wattles.

PF: V009A

SMA: CDV-SMA-2.51



Photo 8525-01r.JPG (taken 08/18/10) V009A02020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; V009A06030017 : Check Dam - Juniper Bales.



Photo 8525-02r.JPG (taken 08/18/10) V009A03060022 : Berms - Straw Wattles; V009A03060023 : Berms - Straw Wattles.

PF: V009A

SMA: CDV-SMA-2.51



Photo 8525-03r.JPG (taken 08/18/10) V009A03060018 : Berms - Straw Wattles; V009A03060019 : Berms - Straw Wattles; V009A03060020 : Berms - Straw Wattles; V009A03060021 : Berms - Straw Wattles.



Photo 8525-04r.JPG (taken 08/18/10) V009A06010016 : Check Dam - Rock Check Dam.

PF: V009A

SMA: CDV-SMA-2.51



Photo 8525-05r.JPG (taken 08/18/10) V009A02010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V009A06010015 : Check Dam - Rock Check Dam.



Photo 8525-06r.JPG (taken 08/18/10) V009A06010014 : Check Dam - Rock Check Dam.

PF: V009A

SMA: CDV-SMA-2.51



Photo 8525-07r.JPG (taken 08/18/10) V009A03060007 : Berms - Straw Wattles; V009A03060008 : Berms - Straw Wattles; V009A03060009 : Berms - Straw Wattles; V009A03060010 : Berms - Straw Wattles; V009A03060011 : Berms - Straw Wattles.



Photo 8525-08r.JPG (taken 08/18/10) V009A06010013 : Check Dam - Rock Check Dam.

PF: V009A

SMA: CDV-SMA-2.51



Photo 8525-09r.JPG (taken 08/18/10) V009A03020005 : Berms - Base Course Berm.



Photo 8525-10r.JPG (taken 08/18/10) V009A06010003 : Check Dam - Rock Check Dam; V009A06010004 : Check Dam - Rock Check Dam.

PF: V009A

SMA: CDV-SMA-2.51



Photo 8525-11r.JPG (taken 08/18/10) V009A06010006 : Check Dam - Rock Check Dam.



Photo 8525-12r.JPG (taken 08/18/10) V009A03020012 : Berms - Base Course Berm.

PF: V013

SMA: CDV-SMA-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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V01303010007	Berms	Earthen Berm	8528-3r.JPG		X		X
V01303010006	Berms	Earthen Berm	8528-1r.JPG			X	X
V01302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8528-2r.JPG	X			

Comments

None applicable.



Photo 8528-1r.JPG (taken 08/18/10) V01303010006 : Berms - Earthen Berm.

PF: V013

SMA: CDV-SMA-7



Photo 8528-2r.JPG (taken 08/18/10) V01302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 8528-3r.JPG (taken 08/18/10) V01303010007 : Berms - Earthen Berm.

PF: V014

SMA: CDV-SMA-8

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	X		
Seed and Mulch		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
V01406010005	Check Dam	Rock Check Dam	8529-4r.JPG			X	X
V01406010006	Check Dam	Rock Check Dam	8529-3r.JPG			X	X
V01406010003	Check Dam	Rock Check Dam	8529-1r.JPG			X	X
V01406010004	Check Dam	Rock Check Dam	8529-2r.JPG			X	X
V01402020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8529-1r.JPG	X			
V01402030002	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	8529-5r.JPG	X	X		

Comments

Sediment control function managed by rock check dams. Planned seed and mulch not needed. Run-off control function managed by established vegetation. Run-off control function of check dams and seed and mulch not needed.



Photo 8529-1r.JPG (taken 08/18/10) V01402020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; V01406010003 : Check Dam - Rock Check Dam.

PF: V014

SMA: CDV-SMA-8



Photo 8529-2r.JPG (taken 08/18/10) V01406010004 : Check Dam - Rock Check Dam.



Photo 8529-3r.JPG (taken 08/18/10) V01406010006 : Check Dam - Rock Check Dam.

PF: V014

SMA: CDV-SMA-8



Photo 8529-4r.JPG (taken 08/18/10) V01406010005 : Check Dam - Rock Check Dam.



Photo 8529-5r.JPG (taken 08/18/10) V01402030002 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: V015

SMA: CDV-SMA-8.5

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
V01503010005	Berms	Earthen Berm	8536-1r.JPG			X	X
V01503010004	Berms	Earthen Berm	8536-2r.JPG		X		X
V01502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8536-1r.JPG	X			

Comments

None applicable.



Photo 8536-1r.JPG (taken 08/23/10) V01502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; V01503010005 : Berms - Earthen Berm.

PF: V015

SMA: CDV-SMA-8.5



Photo 8536-2r.JPG (taken 08/23/10) V01503010004 : Berms - Earthen Berm.

PF: V016

SMA: CDV-SMA-9.05

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
V01603010003	Berms	Earthen Berm	10884-2r.JPG		X		X
V01603010002	Berms	Earthen Berm	10884-3r.JPG		X		X
V01603010004	Berms	Earthen Berm	10884-1r.JPG			X	X
V01602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10884-4r.JPG	X			

Comments

None applicable.



Photo 10884-1r.JPG (taken 10/04/10) V01603010004 : Berms - Earthen Berm.

PF: V016

SMA: CDV-SMA-9.05



Photo 10884-2r.JPG (taken 10/04/10) V01603010003 : Berms - Earthen Berm.



Photo 10884-3r.JPG (taken 10/04/10) V01603010002 : Berms - Earthen Berm.

PF: V016

SMA: CDV-SMA-9.05



Photo 10884-4r.JPG (taken 10/04/10) V01602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

ENCLOSURE 6

Certification of Completion of Baseline Control Measures for 20 Site Monitoring Areas in Water Canyon in the Water/Cañon de Valle Watershed

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

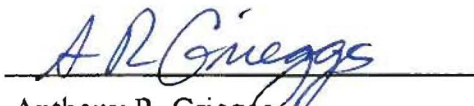
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**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759**

PERMITTED FEATURE	SITE MONITORING AREA
W002	W-SMA-1.5
W018	W-SMA-10
W019	W-SMA-11.7
W020	W-SMA-12.05
W022	W-SMA-15.1
W003	W-SMA-2.05
W004	W-SMA-3.5
W005	W-SMA-4.1
W006	W-SMA-5
W007	W-SMA-6
W008	W-SMA-7
W009	W-SMA-7.8
W010	W-SMA-7.9
W011	W-SMA-8
W012	W-SMA-8.7
W012A	W-SMA-8.71
W013	W-SMA-9.05
W015	W-SMA-9.7
W016	W-SMA-9.8
W017	W-SMA-9.9

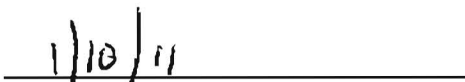
**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759****CERTIFICATION STATEMENT OF AUTHORIZATION**

"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: W002

SMA: W-SMA-1.5

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W00203060004	Berms	Straw Wattles	7800-7r.JPG			X	X
W00203060005	Berms	Straw Wattles	7800-7r.JPG			X	X
W00204060007	Channel/Swale	Rip Rap	7800-6r.JPG	X	X		
W00204070003	Channel/Swale	Vegetated Swale	7800-2r.JPG	X	X		
W00204070002	Channel/Swale	Vegetated Swale	7800-6r.JPG	X	X		
W00206010012	Check Dam	Rock Check Dam	7800-5r.JPG		X		X
W00206010008	Check Dam	Rock Check Dam	7800-1r.JPG			X	X
W00206010009	Check Dam	Rock Check Dam	7800-1r.JPG			X	X
W00206010010	Check Dam	Rock Check Dam	7800-3r.JPG		X		X
W00206010011	Check Dam	Rock Check Dam	8788-1r.JPG		X		X
W00202010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7800-2r.JPG	X			

Comments

None applicable.

PF: W002

SMA: W-SMA-1.5



Photo 7800-1r.JPG (taken 08/17/10) W00206010008 : Check Dam - Rock Check Dam; W00206010009 : Check Dam - Rock Check Dam.



Photo 7800-2r.JPG (taken 08/17/10) W00202010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00204070003 : Channel/Swale - Vegetated Swale.

PF: W002

SMA: W-SMA-1.5



Photo 7800-3r.JPG (taken 08/17/10) W00206010010 : Check Dam - Rock Check Dam.



Photo 7800-5r.JPG (taken 08/17/10) W00206010012 : Check Dam - Rock Check Dam.

PF: W002

SMA: W-SMA-1.5



Photo 7800-6r.JPG (taken 08/17/10) W00204060007 : Channel/Swale - Rip Rap; W00204070002 : Channel/Swale - Vegetated Swale.



Photo 7800-7r.JPG (taken 08/17/10) W00203060004 : Berms - Straw Wattles; W00203060005 : Berms - Straw Wattles.

PF: W002

SMA: W-SMA-1.5



Photo 8788-1r.JPG (taken 09/07/10) W00206010011 : Check Dam - Rock Check Dam.

PF: W018

SMA: W-SMA-10

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W01803040016	Berms	Asphalt Berm	10878-7r.JPG			X	X
W01803040010	Berms	Asphalt Berm	10878-8r.JPG			X	X
W01803090002	Berms	Curbing	10878-5r.JPG			X	X
W01803060018	Berms	Straw Wattles	10878-2r.JPG		X		X
W01803060019	Berms	Straw Wattles	10878-2r.JPG		X		X
W01803060020	Berms	Straw Wattles	10878-1r.JPG		X		X
W01803060021	Berms	Straw Wattles	10878-1r.JPG		X		X
W01803060014	Berms	Straw Wattles	10878-4r.JPG		X		X
W01804060006	Channel/Swale	Rip Rap	10878-3r.JPG	X		X	
W01804060013	Channel/Swale	Rip Rap	10878-6r.JPG	X		X	
W01804060004	Channel/Swale	Rip Rap	10878-9r.JPG	X			
W01802010009	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10878-5r.JPG	X			
W01801010015	Seed and Mulch	Seed and Wood Mulch	10878-4r.JPG	X			
W01801010017	Seed and Mulch	Seed and Wood Mulch	10878-1r.JPG	X			

Comments

None applicable.

PF: W018

SMA: W-SMA-10



Photo 10878-1r.JPG (taken 10/07/10) W01801010017 : Seed and Mulch - Seed and Wood Mulch; W01803060020 : Berms - Straw Wattles; W01803060021 : Berms - Straw Wattles.



Photo 10878-2r.JPG (taken 10/07/10) W01803060018 : Berms - Straw Wattles; W01803060019 : Berms - Straw Wattles.

PF: W018

SMA: W-SMA-10



Photo 10878-3r.JPG (taken 10/07/10) W01804060006 : Channel/Swale - Rip Rap.



Photo 10878-4r.JPG (taken 10/07/10) W01801010015 : Seed and Mulch - Seed and Wood Mulch;
W01803060014 : Berms - Straw Wattles.

PF: W018

SMA: W-SMA-10



Photo 10878-5r.JPG (taken 10/07/10) W01802010009 : Established Vegetation - Permanent Vegetation
Grasses and Shrubs; W01803090002 : Berms - Curbing.



Photo 10878-6r.JPG (taken 10/07/10) W01804060013 : Channel/Swale - Rip Rap.

PF: W018

SMA: W-SMA-10



Photo 10878-7r.JPG (taken 10/07/10) W01803040016 : Berms - Asphalt Berm.



Photo 10878-8r.JPG (taken 10/07/10) W01803040010 : Berms - Asphalt Berm.

PF: W018

SMA: W-SMA-10



Photo 10878-9r.JPG (taken 10/07/10) W01804060004 : Channel/Swale - Rip Rap.

PF: W019

SMA: W-SMA-11.7

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
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
W01903060010	Berms	Straw Wattles	8519-14.JPG		X		X
W01903060009	Berms	Straw Wattles	8519-13.JPG		X		X
W01903060012	Berms	Straw Wattles	8519-12.JPG		X		X
W01903060015	Berms	Straw Wattles	8519-11.JPG		X		X
W01903060016	Berms	Straw Wattles	8519-11.JPG		X		X
W01903060017	Berms	Straw Wattles	8519-11.JPG		X		X
W01903060018	Berms	Straw Wattles	8519-11.JPG		X		X
W01903060019	Berms	Straw Wattles	8519-10.JPG		X		X
W01903060020	Berms	Straw Wattles	8519-7.JPG		X		X
W01903060021	Berms	Straw Wattles	8519-7.JPG		X		X
W01903060022	Berms	Straw Wattles	8519-7.JPG		X		X
W01903060025	Berms	Straw Wattles	8519-6.JPG			X	X
W01903060026	Berms	Straw Wattles	8519-6.JPG			X	X
W01903060027	Berms	Straw Wattles	8519-8.JPG			X	X
W01903060028	Berms	Straw Wattles	8519-2.JPG			X	X
W01903060029	Berms	Straw Wattles	8519-3.JPG			X	X
W01903060030	Berms	Straw Wattles	8519-5.JPG			X	X
W01903060031	Berms	Straw Wattles	8519-3.JPG			X	X
W01903060032	Berms	Straw Wattles	8519-3.JPG			X	X
W01903060033	Berms	Straw Wattles	8519-4.JPG			X	X
W01903060034	Berms	Straw Wattles	8519-1.JPG			X	X
W01903060035	Berms	Straw Wattles	8519-3.JPG			X	X
W01903060036	Berms	Straw Wattles	8519-2.JPG			X	X
W01903060037	Berms	Straw Wattles	8519-1.JPG			X	X
W01903060038	Berms	Straw Wattles	8519-1.JPG			X	X

PF: W019

SMA: W-SMA-11.7

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W01903060011	Berms	Straw Wattles	8519-13.JPG		X		X
W01904060002	Channel/Swale	Rip Rap	8519-17.JPG	X	X		
W01906010007	Check Dam	Rock Check Dam	8519-15.JPG		X		X
W01906010008	Check Dam	Rock Check Dam	8519-15.JPG		X		X
W01906010003	Check Dam	Rock Check Dam	8519-16.JPG		X		X
W01906010004	Check Dam	Rock Check Dam	8519-16.JPG		X		X
W01906010005	Check Dam	Rock Check Dam	8519-16.JPG		X		X
W01906010006	Check Dam	Rock Check Dam	8519-15.JPG		X		X
W01902010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8519-9.JPG	X			
W01901010039	Seed and Mulch	Seed and Wood Mulch	8519-7.JPG	X			

Comments

Erosion control function managed by rip rap, vegetation, and seed and mulch. Erosion control function of berms not needed.



Photo 8519-1.JPG (taken 08/04/10) W01903060034 : Berms - Straw Wattles; W01903060037 : Berms - Straw Wattles; W01903060038 : Berms - Straw Wattles.

PF: W019

SMA: W-SMA-11.7



Photo 8519-10.JPG (taken 08/04/10) W01903060019 : Berms - Straw Wattles.



Photo 8519-11.JPG (taken 08/04/10) W01903060015 : Berms - Straw Wattles; W01903060016 : Berms - Straw Wattles; W01903060017 : Berms - Straw Wattles; W01903060018 : Berms - Straw Wattles.

PF: W019

SMA: W-SMA-11.7



Photo 8519-12.JPG (taken 08/04/10) W01903060012 : Berms - Straw Wattles.



Photo 8519-13.JPG (taken 08/04/10) W01903060009 : Berms - Straw Wattles; W01903060011 : Berms - Straw Wattles.

PF: W019

SMA: W-SMA-11.7



Photo 8519-14.JPG (taken 08/04/10) W01903060010 : Berms - Straw Wattles.



Photo 8519-15.JPG (taken 08/04/10) W01906010006 : Check Dam - Rock Check Dam; W01906010007 : Check Dam - Rock Check Dam; W01906010008 : Check Dam - Rock Check Dam.

PF: W019

SMA: W-SMA-11.7



Photo 8519-16.JPG (taken 08/04/10) W01906010003 : Check Dam - Rock Check Dam; W01906010004 : Check Dam - Rock Check Dam; W01906010005 : Check Dam - Rock Check Dam.



Photo 8519-17.JPG (taken 08/04/10) W01904060002 : Channel/Swale - Rip Rap.

PF: W019

SMA: W-SMA-11.7



Photo 8519-2.JPG (taken 08/04/10) W01903060028 : Berms - Straw Wattles; W01903060036 : Berms - Straw Wattles.



Photo 8519-3.JPG (taken 08/04/10) W01903060029 : Berms - Straw Wattles; W01903060031 : Berms - Straw Wattles; W01903060032 : Berms - Straw Wattles; W01903060035 : Berms - Straw Wattles.

PF: W019

SMA: W-SMA-11.7



Photo 8519-4.JPG (taken 08/04/10) W01903060033 : Berms - Straw Wattles.



Photo 8519-5.JPG (taken 08/04/10) W01903060030 : Berms - Straw Wattles.

PF: W019

SMA: W-SMA-11.7



Photo 8519-6.JPG (taken 08/04/10) W01903060025 : Berms - Straw Wattles; W01903060026 : Berms - Straw Wattles.



Photo 8519-7.JPG (taken 08/04/10) W01901010039 : Seed and Mulch - Seed and Wood Mulch; W01903060020 : Berms - Straw Wattles; W01903060021 : Berms - Straw Wattles; W01903060022 : Berms - Straw Wattles.

PF: W019

SMA: W-SMA-11.7



Photo 8519-8.JPG (taken 08/04/10) W01903060027 : Berms - Straw Wattles.



Photo 8519-9.JPG (taken 08/04/10) W01902010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: W020

SMA: W-SMA-12.05

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
W02003060009	Berms	Straw Wattles	8516-3.JPG		X		X
W02003060012	Berms	Straw Wattles	8516-6r.JPG		X		X
W02003060011	Berms	Straw Wattles	8516-6r.JPG		X		X
W02003060005	Berms	Straw Wattles	8516-4.JPG		X		X
W02003060006	Berms	Straw Wattles	8516-4.JPG		X		X
W02003060007	Berms	Straw Wattles	8516-4.JPG		X		X
W02003060008	Berms	Straw Wattles	8516-3.JPG		X		X
W02003060004	Berms	Straw Wattles	8516-5.JPG		X		X
W02003060013	Berms	Straw Wattles	8516-6r.JPG		X		X
W02003060010	Berms	Straw Wattles	8516-3.JPG		X		X
W02004060002	Channel/Swale	Rip Rap	8516-1.JPG	X		X	
W02006010001	Check Dam	Rock Check Dam	8516-2.JPG		X		X
W02002010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8516-2.JPG	X			

Comments

None applicable.

PF: W020

SMA: W-SMA-12.05



Photo 8516-1.JPG (taken 08/04/10) W02004060002 : Channel/Swale - Rip Rap.



Photo 8516-2.JPG (taken 08/04/10) W02002010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W02006010001 : Check Dam - Rock Check Dam.

PF: W020

SMA: W-SMA-12.05



Photo 8516-3.JPG (taken 08/04/10) W02003060008 : Berms - Straw Wattles; W02003060009 : Berms - Straw Wattles; W02003060010 : Berms - Straw Wattles.



Photo 8516-4.JPG (taken 08/04/10) W02003060005 : Berms - Straw Wattles; W02003060006 : Berms - Straw Wattles; W02003060007 : Berms - Straw Wattles.

PF: W020

SMA: W-SMA-12.05



Photo 8516-5.JPG (taken 08/04/10) W02003060004 : Berms - Straw Wattles.



Photo 8516-6r.JPG (taken 08/04/10) W02003060011 : Berms - Straw Wattles; W02003060012 : Berms - Straw Wattles; W02003060013 : Berms - Straw Wattles.

PF: W022

SMA: W-SMA-15.1

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
W02206010003	Check Dam	Rock Check Dam	8514-1r.JPG		X		X
W02202010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8514-1r.JPG	X			

Comments

None applicable.



Photo 8514-1r.JPG (taken 08/20/10) W02202010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W02206010003 : Check Dam - Rock Check Dam.

PF: W003

SMA: W-SMA-2.05

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
W00303060003	Berms	Straw Wattles	7807-1r.JPG			X	X
W00306010005	Check Dam	Rock Check Dam	7807-2r.JPG		X		X
W00306010004	Check Dam	Rock Check Dam	7807-3r.JPG		X		X
W00302020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7807-1r.JPG	X			
W00302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7807-1r.JPG	X			

Comments

None applicable.



Photo 7807-1r.JPG (taken 08/17/10) W00302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00302020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; W00303060003 : Berms - Straw Wattles.

PF: W003

SMA: W-SMA-2.05



Photo 7807-2r.JPG (taken 08/17/10) W00306010005 : Check Dam - Rock Check Dam.



Photo 7807-3r.JPG (taken 08/17/10) W00306010004 : Check Dam - Rock Check Dam.

PF: W004

SMA: W-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)
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
W00403060005	Berms	Straw Wattles	8794-2r.JPG			X	X
W00403060006	Berms	Straw Wattles	8794-2r.JPG			X	X
W00403060004	Berms	Straw Wattles	8794-2r.JPG			X	X
W00404060003	Channel/Swale	Rip Rap	8794-1r.JPG	X	X		
W00406010007	Check Dam	Rock Check Dam	8794-3r.JPG		X		X
W00402010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8794-1r.JPG	X			

Comments

None applicable.

PF: W004

SMA: W-SMA-3.5



Photo 8794-1r.JPG (taken 09/07/10) W00402010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00404060003 : Channel/Swale - Rip Rap.



Photo 8794-2r.JPG (taken 09/07/10) W00403060004 : Berms - Straw Wattles; W00403060005 : Berms - Straw Wattles; W00403060006 : Berms - Straw Wattles.

PF: W004

SMA: W-SMA-3.5



Photo 8794-3r.JPG (taken 09/07/10) W00406010007 : Check Dam - Rock Check Dam.

PF: W005

SMA: W-SMA-4.1

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W00503060004	Berms	Straw Wattles	7803-1r.JPG			X	X
W00503060005	Berms	Straw Wattles	7803-2r.JPG			X	X
W00503060003	Berms	Straw Wattles	7803-1r.JPG			X	X
W00503060002	Berms	Straw Wattles	10879-1r.JPG		X		X
W00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7803-1r.JPG	X			

Comments

None applicable.



Photo 10879-1r.JPG (taken 10/04/10) W00503060002 : Berms - Straw Wattles.

PF: W005

SMA: W-SMA-4.1



Photo 7803-1r.JPG (taken 08/17/10) W00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00503060003 : Berms - Straw Wattles; W00503060004 : Berms - Straw Wattles.



Photo 7803-2r.JPG (taken 08/17/10) W00503060005 : Berms - Straw Wattles.

PF: W006

SMA: W-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
Established Vegetation	X			
Gabions		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
W00603060018	Berms	Straw Wattles	8531-08r.JPG			X	X
W00603060001	Berms	Straw Wattles	8531-09r.JPG			X	X
W00604040011	Channel/Swale	Culvert	8531-10r.JPG	X		X	
W00604060007	Channel/Swale	Rip Rap	8531-09r.JPG	X		X	
W00604060006	Channel/Swale	Rip Rap	8531-05r.JPG	X		X	
W00606030005	Check Dam	Juniper Bales	8531-06r.JPG		X		X
W00606010013	Check Dam	Rock Check Dam	8531-03r.JPG		X		X
W00606010014	Check Dam	Rock Check Dam	8531-02r.JPG		X		X
W00606010003	Check Dam	Rock Check Dam	8531-07r.JPG		X		X
W00606010012	Check Dam	Rock Check Dam	8531-04r.JPG		X		X
W00606010017	Check Dam	Rock Check Dam	8531-01r.JPG		X		X
W00606010016	Check Dam	Rock Check Dam	8531-01r.JPG		X		X
W00606010015	Check Dam	Rock Check Dam	8531-02r.JPG		X		X
W00602010009	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8531-01r.JPG	X			
W00607010004	Gabions	Gabions	8531-06r.JPG		X		X
W00607010010	Gabions	Gabions	8531-06r.JPG		X		X
W00601010002	Seed and Mulch	Seed and Wood Mulch	8531-08r.JPG	X		X	

Comments

None applicable.

PF: W006

SMA: W-SMA-5



Photo 8531-01r.JPG (taken 08/23/10) W00602010009 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00606010016 : Check Dam - Rock Check Dam; W00606010017 : Check Dam - Rock Check Dam.



Photo 8531-02r.JPG (taken 08/23/10) W00606010014 : Check Dam - Rock Check Dam; W00606010015 : Check Dam - Rock Check Dam.

PF: W006

SMA: W-SMA-5



Photo 8531-03r.JPG (taken 08/23/10) W00606010013 : Check Dam - Rock Check Dam.



Photo 8531-04r.JPG (taken 08/23/10) W00606010012 : Check Dam - Rock Check Dam.

PF: W006

SMA: W-SMA-5



Photo 8531-05r.JPG (taken 08/23/10) W00604060006 : Channel/Swale - Rip Rap.



Photo 8531-06r.JPG (taken 08/23/10) W00606030005 : Check Dam - Juniper Bales; W00607010004 : Gabions - Gabions; W00607010010 : Gabions - Gabions.

PF: W006

SMA: W-SMA-5



Photo 8531-07r.JPG (taken 08/23/10) W00606010003 : Check Dam - Rock Check Dam.



Photo 8531-08r.JPG (taken 08/23/10) W00601010002 : Seed and Mulch - Seed and Wood Mulch;
W00603060018 : Berms - Straw Wattles.

PF: W006

SMA: W-SMA-5



Photo 8531-09r.JPG (taken 08/23/10) W00603060001 : Berms - Straw Wattles; W00604060007 : Channel/Swale - Rip Rap.



Photo 8531-10r.JPG (taken 08/23/10) W00604040011 : Channel/Swale - Culvert.

PF: W007

SMA: W-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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W00703060003	Berms	Straw Wattles	8795-1r.JPG		X		X
W00702020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8795-2r.JPG	X			
W00702010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8795-2r.JPG	X			

Comments

None applicable.



Photo 8795-1r.JPG (taken 09/07/10) W00703060003 : Berms - Straw Wattles.

PF: W007

SMA: W-SMA-6



Photo 8795-2r.JPG (taken 09/07/10) W00702010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00702020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: W008

SMA: W-SMA-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
Check Dam		X		X
Established Vegetation	X			
Seed and Mulch	X	X	X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W00803060011	Berms	Straw Wattles	7802-1r.JPG			X	X
W00803060012	Berms	Straw Wattles	7802-1r.JPG			X	X
W00803060013	Berms	Straw Wattles	7802-2r.JPG			X	X
W00803060010	Berms	Straw Wattles	7802-1r.JPG			X	X
W00806010004	Check Dam	Rock Check Dam	7802-4r.JPG		X		X
W00806010003	Check Dam	Rock Check Dam	7802-5r.JPG		X		X
W00806010001	Check Dam	Rock Check Dam	7802-3r.JPG		X		X
W00802020009	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7802-1r.JPG	X			
W00802010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7802-1r.JPG	X			
W00801010005	Seed and Mulch	Seed and Wood Mulch	7802-3r.JPG	X			

Comments

Run-on control function managed by berms; runoff control function managed by check dams. Run-on and runoff control functions of seed and mulch not needed.

PF: W008

SMA: W-SMA-7



Photo 7802-1r.JPG (taken 08/17/10) W00802010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00802020009 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; W00803060010 : Berms - Straw Wattles; W00803060011 : Berms - Straw Wattles; W00803060012 : Berms - Straw Wattles.



Photo 7802-2r.JPG (taken 08/17/10) W00803060013 : Berms - Straw Wattles.

PF: W008

SMA: W-SMA-7



Photo 7802-3r.JPG (taken 08/17/10) W00801010005 : Seed and Mulch - Seed and Wood Mulch;
W00806010001 : Check Dam - Rock Check Dam.



Photo 7802-4r.JPG (taken 08/17/10) W00806010004 : Check Dam - Rock Check Dam.

PF: W008

SMA: W-SMA-7



Photo 7802-5r.JPG (taken 08/17/10) W00806010003 : Check Dam - Rock Check Dam.

PF: W009

SMA: W-SMA-7.8

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W00903010004	Berms	Earthen Berm	7801-2r.JPG			X	X
W00904060003	Channel/Swale	Rip Rap	7801-1r.JPG	X		X	
W00906010006	Check Dam	Rock Check Dam	7801-4r.JPG			X	X
W00906010001	Check Dam	Rock Check Dam	7801-3r.JPG			X	X
W00906010005	Check Dam	Rock Check Dam	7801-4r.JPG			X	X
W00906010007	Check Dam	Rock Check Dam	7801-5r.JPG		X		X
W00902010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7801-2r.JPG	X			

Comments

None applicable.

PF: W009

SMA: W-SMA-7.8



Photo 7801-1r.JPG (taken 08/17/10) W00904060003 : Channel/Swale - Rip Rap.



Photo 7801-2r.JPG (taken 08/17/10) W00902010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00903010004 : Berms - Earthen Berm.

PF: W009

SMA: W-SMA-7.8



Photo 7801-3r.JPG (taken 08/17/10) W00906010001 : Check Dam - Rock Check Dam.



Photo 7801-4r.JPG (taken 08/17/10) W00906010005 : Check Dam - Rock Check Dam; W00906010006 : Check Dam - Rock Check Dam.

PF: W009

SMA: W-SMA-7.8



Photo 7801-5r.JPG (taken 08/17/10) W00906010007 : Check Dam - Rock Check Dam.

PF: W010

SMA: W-SMA-7.9

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
W01006010003	Check Dam	Rock Check Dam	8796-1r.JPG		X		X
W01002020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8796-2r.JPG	X			

Comments

None applicable.



Photo 8796-1r.JPG (taken 09/07/10) W01006010003 : Check Dam - Rock Check Dam.

PF: W010

SMA: W-SMA-7.9



Photo 8796-2r.JPG (taken 09/07/10) W01002020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: W011

SMA: W-SMA-8

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
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W01103020001	Berms	Base Course Berm	7806-3r.JPG			X	X
W01106010006	Check Dam	Rock Check Dam	7806-1r.JPG			X	X
W01106010002	Check Dam	Rock Check Dam	7806-4r.JPG		X		X
W01106010005	Check Dam	Rock Check Dam	7806-2r.JPG			X	X
W01102020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7806-4r.JPG	X			
W01102010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7806-4r.JPG	X			

Comments

None applicable.



Photo 7806-1r.JPG (taken 08/17/10) W01106010006 : Check Dam - Rock Check Dam.

PF: W011

SMA: W-SMA-8



Photo 7806-2r.JPG (taken 08/17/10) W01106010005 : Check Dam - Rock Check Dam.



Photo 7806-3r.JPG (taken 08/17/10) W01103020001 : Berms - Base Course Berm.

PF: W011

SMA: W-SMA-8



Photo 7806-4r.JPG (taken 08/17/10) W01102010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W01102020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; W01106010002 : Check Dam - Rock Check Dam.

PF: W012

SMA: W-SMA-8.7

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	X
Established Vegetation	X			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W01203020009	Berms	Base Course Berm	8530-5r.JPG			X	X
W01203060010	Berms	Straw Wattles	11024-1r.JPG		X		X
W01206010008	Check Dam	Rock Check Dam	8530-1r.JPG			X	X
W01206010006	Check Dam	Rock Check Dam	8530-4r.JPG		X		X
W01206010007	Check Dam	Rock Check Dam	8530-3r.JPG		X		X
W01202020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	8530-2r.JPG	X			
W01202010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8530-1r.JPG	X			

Comments

None applicable.

PF: W012

SMA: W-SMA-8.7



Photo 11024-1r.JPG (taken 10/21/10) W01203060010 : Berms - Straw Wattles.



Photo 8530-1r.JPG (taken 08/18/10) W01202010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W01206010008 : Check Dam - Rock Check Dam.

PF: W012

SMA: W-SMA-8.7



Photo 8530-2r.JPG (taken 08/18/10) W01202020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 8530-3r.JPG (taken 08/18/10) W01206010007 : Check Dam - Rock Check Dam.

PF: W012

SMA: W-SMA-8.7



Photo 8530-4r.JPG (taken 08/18/10) W01206010006 : Check Dam - Rock Check Dam.



Photo 8530-5r.JPG (taken 08/18/10) W01203020009 : Berms - Base Course Berm.

PF: W012A

SMA: W-SMA-8.71

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
W012A03020003	Berms	Base Course Berm	7804-1r.JPG			X	X
W012A03060002	Berms	Straw Wattles	7804-2r.JPG		X		X
W012A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7804-2r.JPG	X			

Comments

None applicable.



Photo 7804-1r.JPG (taken 08/17/10) W012A03020003 : Berms - Base Course Berm.

PF: W012A

SMA: W-SMA-8.71



Photo 7804-2r.JPG (taken 08/17/10) W012A02010001 : Established Vegetation - Permanent Vegetation
Grasses and Shrubs; W012A03060002 : Berms - Straw Wattles.

PF: W013

SMA: W-SMA-9.05

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
W01303010003	Berms	Earthen Berm	7805-2r.JPG			X	X
W01303060006	Berms	Straw Wattles	7805-5r.JPG		X		X
W01303060007	Berms	Straw Wattles	7805-4r.JPG		X		X
W01303060008	Berms	Straw Wattles	7805-4r.JPG		X		X
W01303060005	Berms	Straw Wattles	7805-6r.JPG		X		X
W01304010004	Channel/Swale	Earthen Channel/Swale	7805-1r.JPG	X		X	
W01306010001	Check Dam	Rock Check Dam	7805-3r.JPG		X		X
W01302010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7805-2r.JPG	X			

Comments

None applicable.

PF: W013

SMA: W-SMA-9.05



Photo 7805-1r.JPG (taken 08/17/10) W01304010004 : Channel/Swale - Earthen Channel/Swale.



Photo 7805-2r.JPG (taken 08/17/10) W01302010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W01303010003 : Berms - Earthen Berm.

PF: W013

SMA: W-SMA-9.05



Photo 7805-3r.JPG (taken 08/17/10) W01306010001 : Check Dam - Rock Check Dam.



Photo 7805-4r.JPG (taken 08/17/10) W01303060007 : Berms - Straw Wattles; W01303060008 : Berms - Straw Wattles.

PF: W013

SMA: W-SMA-9.05



Photo 7805-5r.JPG (taken 08/17/10) W01303060006 : Berms - Straw Wattles.



Photo 7805-6r.JPG (taken 08/17/10) W01303060005 : Berms - Straw Wattles.

PF: W015

SMA: W-SMA-9.7

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
W01503060003	Berms	Straw Wattles	10875-3r.JPG		X		X
W01503060002	Berms	Straw Wattles	10875-2r.JPG		X		X
W01506030005	Check Dam	Juniper Bales	10875-1r.JPG			X	X
W01506030004	Check Dam	Juniper Bales	10875-4r.JPG			X	X
W01502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10875-2r.JPG	X			

Comments

Run-on control function managed by check dams. Run-on control function of berms not needed.



Photo 10875-1r.JPG (taken 10/07/10) W01506030005 : Check Dam - Juniper Bales.

PF: W015

SMA: W-SMA-9.7



Photo 10875-2r.JPG (taken 10/07/10) W01502010001 : Established Vegetation - Permanent Vegetation
Grasses and Shrubs; W01503060002 : Berms - Straw Wattles.



Photo 10875-3r.JPG (taken 10/07/10) W01503060003 : Berms - Straw Wattles.

PF: W015

SMA: W-SMA-9.7



Photo 10875-4r.JPG (taken 10/07/10) W01506030004 : Check Dam - Juniper Bales.

PF: W016

SMA: W-SMA-9.8

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
W01603020007	Berms	Base Course Berm	10876-2r.JPG			X	X
W01603060009	Berms	Straw Wattles	10876-3r.JPG		X		X
W01603060010	Berms	Straw Wattles	10876-3r.JPG		X		X
W01604060003	Channel/Swale	Rip Rap	10876-1r.JPG	X		X	
W01602010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10876-3r.JPG	X			

Comments

None applicable.



Photo 10876-1r.JPG (taken 10/07/10) W01604060003 : Channel/Swale - Rip Rap.

PF: W016

SMA: W-SMA-9.8



Photo 10876-2r.JPG (taken 10/07/10) W01603020007 : Berms - Base Course Berm.



Photo 10876-3r.JPG (taken 10/07/10) W01602010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W01603060009 : Berms - Straw Wattles; W01603060010 : Berms - Straw Wattles.

PF: W017

SMA: W-SMA-9.9

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
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
W01703090001	Berms	Curbing	10877-6r.JPG			X	X
W01703060009	Berms	Straw Wattles	10877-1r.JPG			X	X
W01703060010	Berms	Straw Wattles	10877-1r.JPG			X	X
W01703060011	Berms	Straw Wattles	10877-1r.JPG			X	X
W01703060013	Berms	Straw Wattles	10877-2r.JPG			X	X
W01703060007	Berms	Straw Wattles	10877-3r.JPG			X	X
W01703060012	Berms	Straw Wattles	10877-1r.JPG			X	X
W01703060016	Berms	Straw Wattles	10877-2r.JPG			X	X
W01703060015	Berms	Straw Wattles	10877-1r.JPG			X	X
W01703060014	Berms	Straw Wattles	10877-2r.JPG			X	X
W01703060008	Berms	Straw Wattles	10877-3r.JPG			X	X
W01706030004	Check Dam	Juniper Bales	10877-5r.JPG		X		X
W01706030005	Check Dam	Juniper Bales	10877-4r.JPG		X		X
W01702010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10877-4r.JPG	X			
W01701010006	Seed and Mulch	Seed and Wood Mulch	10877-1r.JPG	X			

Comments

None applicable.

PF: W017

SMA: W-SMA-9.9



Photo 10877-1r.JPG (taken 10/07/10) W01701010006 : Seed and Mulch - Seed and Wood Mulch; W01703060009 : Berms - Straw Wattles; W01703060010 : Berms - Straw Wattles; W01703060011 : Berms - Straw Wattles; W01703060012 : Berms - Straw Wattles; W01703060015 : Berms - Straw Wattles.



Photo 10877-2r.JPG (taken 10/07/10) W01703060013 : Berms - Straw Wattles; W01703060014 : Berms - Straw Wattles; W01703060016 : Berms - Straw Wattles.

PF: W017

SMA: W-SMA-9.9



Photo 10877-3r.JPG (taken 10/07/10) W01703060007 : Berms - Straw Wattles; W01703060008 : Berms - Straw Wattles.



Photo 10877-4r.JPG (taken 10/07/10) W01702010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W01706030005 : Check Dam - Juniper Bales.

PF: W017

SMA: W-SMA-9.9



Photo 10877-5r.JPG (taken 10/07/10) W01706030004 : Check Dam - Juniper Bales.



Photo 10877-6r.JPG (taken 10/07/10) W01703090001 : Berms - Curbing.

ENCLOSURE 7

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

January 12, 2011

ENV-RCRA-11-0002

LA-UR-11-00114

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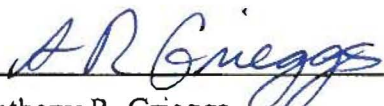
**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

NPDES Permit No. NM0030759

PERMITTED FEATURE	SITE MONITORING AREA
F001	F-SMA-2

**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS****NPDES Permit No. NM0030759****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."



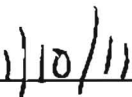
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Date



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



Date

PF: F001

SMA: F-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
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
F00103120008	Berms	Rock Berm	8526-6r.JPG		X		X
F00104040003	Channel/Swale	Culvert	8526-1r.JPG	X		X	
F00104010001	Channel/Swale	Earthen Channel/Swale	8526-2r.JPG	X		X	
F00106010007	Check Dam	Rock Check Dam	8526-5r.JPG		X		X
F00106010004	Check Dam	Rock Check Dam	8526-4r.JPG		X		X
F00106010005	Check Dam	Rock Check Dam	8526-4r.JPG		X		X
F00106010006	Check Dam	Rock Check Dam	8526-5r.JPG		X		X
F00102010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8526-3r.JPG	X			

Comments

None applicable.

PF: F001

SMA: F-SMA-2



Photo 8526-1r.JPG (taken 08/18/10) F00104040003 : Channel/Swale - Culvert.



Photo 8526-2r.JPG (taken 08/18/10) F00104010001 : Channel/Swale - Earthen Channel/Swale.

PF: F001

SMA: F-SMA-2



Photo 8526-3r.JPG (taken 08/18/10) F00102010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 8526-4r.JPG (taken 08/18/10) F00106010004 : Check Dam - Rock Check Dam; F00106010005 : Check Dam - Rock Check Dam.

PF: F001

SMA: F-SMA-2



Photo 8526-5r.JPG (taken 08/18/10) F00106010006 : Check Dam - Rock Check Dam; F00106010007 : Check Dam - Rock Check Dam.



Photo 8526-6r.JPG (taken 08/18/10) F00103120008 : Berms - Rock Berm.