



*Environmental Protection Division
Water Quality & RCRA Group (ENV-RCRA)*
P.O. Box 1663, K490
Los Alamos, New Mexico 87545
(505) 667-0666/FAX (505) 667-5224

*National Nuclear Security Administration
Los Alamos Site Office, A316*
3747 West Jemez Road
Los Alamos, New Mexico 87545
(505) 667-5794/FAX (505) 667-5948

Date: December 1, 2010
Refer To: ENV-RCRA-10-218
LAUR: 10-07681

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 63 SITE MONITORING AREAS, DATED DECEMBER 1, 2010

These documents are being submitted in accordance with the requirements of the Los Alamos National Laboratory (LANL) NPDES Permit No. NM0030759 (the Permit), 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."

Appendix E, Table E-2 of the Permit lists 65 SMAs, organized by watershed, where baseline control measure installation and implementation were completed prior to the effective date of the Permit, and specifies that "baseline control measures associated with these SMAs shall be certified within 30 days of the effective date of the Permit." However, in NPDES Permit No. NM0030759 - Response to Comments, dated September 28, 2010, U.S. EPA Region 6 concurred with LANL's request in Comment 12 to remove two (2) SMAs from Table E-2: P-SMA-0.3 and DP-SMA-3. Therefore, baseline control measure installation was completed at 63 SMAs listed in Table E-2 prior to the November 1, 2010, effective date.

The certification documentation for baseline control measures installed at 63 SMAs listed in Table E-2 is enclosed. The certification documentation is organized into reports which group the Permitted Features and SMAs according to the corresponding watershed assignment 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.

Permitted Feature	SMA Number
Enclosure 1: Los Alamos/Pueblo	
D005	DP-SMA-2
L001	LA-SMA-0.85
L005	LA-SMA-1.25
L008	LA-SMA-3.1
L010	LA-SMA-4.1
L011	LA-SMA-4.2
L014	LA-SMA-5.35
L019	LA-SMA-5.91
L019A	LA-SMA-5.92
L020	LA-SMA-6.25
L021	LA-SMA-6.27
P001	ACID-SMA-1.05
P002	ACID-SMA-2
P003	ACID-SMA-2.1
P005	P-SMA-1
P006	P-SMA-2
R004	R-SMA-2.05
R005	R-SMA-2.3
<i>Number of Permitted Features/SMAs: 18</i>	

Permitted Feature	SMA Number
Enclosure 2: Sandia	
S001	S-SMA-0.25
S003	S-SMA-2
S006	S-SMA-3.6
<i>Number of Permitted Features/SMAs: 3</i>	
Enclosure 3: Mortandad	
C001	CDB-SMA-0.15
C002	CDB-SMA-0.25
C005	CDB-SMA-1.15
C006	CDB-SMA-1.35
C007	CDB-SMA-1.54
C008	CDB-SMA-1.55
C009	CDB-SMA-1.65
M001	M-SMA-1
M006	M-SMA-4
M016	M-SMA-12.5
M021	M-SMA-12.92
<i>Number of Permitted Features/SMAs: 11</i>	

Permitted Feature	SMA Number
Enclosure 4: Pajarito	
E001	2M-SMA-1
E003	2M-SMA-1.43
E006	2M-SMA-1.5
E013	2M-SMA-2.2
H001	3M-SMA-0.2
J001	PJ-SMA-1.05
J002	PJ-SMA-2
J004	PJ-SMA-4.05
J005	PJ-SMA-5
J007	PJ-SMA-6
J008	PJ-SMA-7
J009	PJ-SMA-8
J010	PJ-SMA-9
J018	PJ-SMA-14.2
J019	PJ-SMA-14.3
J021	PJ-SMA-14.6
J023	PJ-SMA-16
J024	PJ-SMA-17
J025	PJ-SMA-19
J026	PJ-SMA-18
J028	STRM-SMA-1.05
J029	STRM-SMA-1.5
J030	STRM-SMA-4.2
J031	STRM-SMA-5.05
<i>Number of Permitted Features/SMAs: 24</i>	

Permitted Feature	SMA Number
Enclosure 5: Water/Cañon de Valle	
I005	PT-SMA-3
I007	PT-SMA-4.2
W001	W-SMA-1
W014	W-SMA-9.5
<i>Number of Permitted Features/SMAs: 4</i>	
Enclosure 6: Ancho	
A001	A-SMA-1.1
A006	A-SMA-3
<i>Number of Permitted Features/SMAs: 2</i>	
Enclosure 7: Chaquehul	
Q008	CHQ-SMA-5.05
<i>Number of Permitted Features/SMAs: 1</i>	

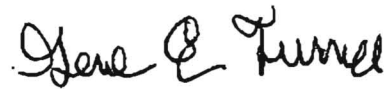
Please contact Terrill Lemke at (505) 665-2397 of the Water Quality and RCRA Group (ENV-RCRA) if you have questions.

Sincerely,



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

Sincerely,



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

ARG:GET:CH/lm

Enclosures: a/s

Cy: Brent Larsen, USEPA/Region 6, 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 18 Site Monitoring Areas in the
Los Alamos/Pueblo Watershed

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

**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
P001	ACID-SMA-1.05
P002	ACID-SMA-2
P003	ACID-SMA-2.1
D005	DP-SMA-2
L001	LA-SMA-0.85
L005	LA-SMA-1.25
L008	LA-SMA-3.1
L010	LA-SMA-4.1
L011	LA-SMA-4.2
L014	LA-SMA-5.35
L019	LA-SMA-5.91
L019A	LA-SMA-5.92
L020	LA-SMA-6.25
L021	LA-SMA-6.27
P005	P-SMA-1
P006	P-SMA-2
R004	R-SMA-2.05
R005	R-SMA-2.3

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

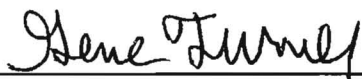
NPDES Permit No. NM0030759

CERTIFICATION STATEMENT OF AUTHORIZATION

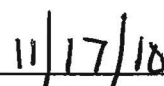
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: P001

SMA: ACID-SMA-1.05

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
Channel/Swale	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
P00103090003	Berms	Curbing	7409-1.JPG			X	X
P00103010005	Berms	Earthen Berm	7409-2.JPG		X		X
P00104040004	Channel/Swale	Culvert	7409-1.JPG	X		X	

Comments

None applicable.



Photo 7409-1.JPG (taken 07/29/10) P00103090003 : Berms - Curbing; P00104040004 : Channel/Swale - Culvert.

PF: P001

SMA: ACID-SMA-1.05



Photo 7409-2.JPG (taken 07/29/10) P00103010005 : Berms - Earthen Berm.

PF: P002

SMA: ACID-SMA-2

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
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
P00203010004	Berms	Earthen Berm	10870-5.JPG		X		X
P00203060009	Berms	Straw Wattles	10870-4.JPG			X	X
P00203060010	Berms	Straw Wattles	10870-3.JPG			X	X
P00203060011	Berms	Straw Wattles	10870-6.JPG			X	X
P00206010002	Check Dam	Rock Check Dam	10870-2.JPG			X	X
P00206010013	Check Dam	Rock Check Dam	10870-1.JPG			X	X
P00202020006	Established Vegetation	Permanent Vegetation Forested/Needle Cast	10870-3.JPG	X			
P00201010014	Seed and Mulch	Seed and Wood Mulch	10870-3.JPG	X			

Comments

None applicable.

PF: P002

SMA: ACID-SMA-2



Photo 10870-1.JPG (taken 10/07/10) P00206010013 : Check Dam - Rock Check Dam.



Photo 10870-2.JPG (taken 10/07/10) P00206010002 : Check Dam - Rock Check Dam.

PF: P002

SMA: ACID-SMA-2



Photo 10870-3.JPG (taken 10/07/10) P00201010014 : Seed and Mulch - Seed and Wood Mulch; P00202020006 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; P00203060010 : Berms - Straw Wattles.



Photo 10870-4.JPG (taken 10/07/10) P00203060009 : Berms - Straw Wattles.

PF: P002

SMA: ACID-SMA-2



Photo 10870-5.JPG (taken 10/07/10) P00203010004 : Berms - Earthen Berm.



Photo 10870-6.JPG (taken 10/07/10) P00203060011 : Berms - Straw Wattles.

PF: P003

SMA: ACID-SMA-2.1

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
P00303010009	Berms	Earthen Berm	10871-9.JPG			X	X
P00303010002	Berms	Earthen Berm	10871-6.JPG			X	X
P00303060005	Berms	Straw Wattles	10871-7.JPG			X	X
P00303060007	Berms	Straw Wattles	10871-5.JPG			X	X
P00303060006	Berms	Straw Wattles	10871-4.JPG			X	X
P00304060011	Channel/Swale	Rip Rap	10871-8.JPG	X		X	
P00306010004	Check Dam	Rock Check Dam	10871-3.JPG			X	X
P00306010015	Check Dam	Rock Check Dam	10871-2.JPG			X	X
P00302020014	Established Vegetation	Permanent Vegetation Forested/Needle Cast	10871-4.JPG	X			
P00302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10871-6.JPG	X			
P00302030012	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	10871-1.JPG	X	X		X
P00301060010	Seed and Mulch	Erosion Control Blanket	10871-9.JPG	X			
P00301010016	Seed and Mulch	Seed and Wood Mulch	10871-4.JPG	X			

Comments

Berms, check dams, and swale manage run-on control at SMA. Run-on function of seed and mulch not needed.

PF: P003

SMA: ACID-SMA-2.1



Photo 10871-1.JPG (taken 10/07/10) P00302030012 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



Photo 10871-2.JPG (taken 10/07/10) P00306010015 : Check Dam - Rock Check Dam.

PF: P003

SMA: ACID-SMA-2.1



Photo 10871-3.JPG (taken 10/07/10) P00306010004 : Check Dam - Rock Check Dam.



Photo 10871-4.JPG (taken 10/07/10) P00301010016 : Seed and Mulch - Seed and Wood Mulch;
P00302020014 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; P00303060006 : Berms
- Straw Wattles.

PF: P003

SMA: ACID-SMA-2.1



Photo 10871-5.JPG (taken 10/07/10) P00303060007 : Berms - Straw Wattles.



Photo 10871-6.JPG (taken 10/07/10) P00302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; P00303010002 : Berms - Earthen Berm.

PF: P003

SMA: ACID-SMA-2.1



Photo 10871-7.JPG (taken 10/07/10) P00303060005 : Berms - Straw Wattles.



Photo 10871-8.JPG (taken 10/07/10) P00304060011 : Channel/Swale - Rip Rap.

PF: P003

SMA: ACID-SMA-2.1



Photo 10871-9.JPG (taken 10/07/10) P00301060010 : Seed and Mulch - Erosion Control Blanket;
P00303010009 : Berms - Earthen Berm.

PF: D005

SMA: DP-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
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
D00503020003	Berms	Base Course Berm	7414-1.JPG			X	X
D00506030009	Check Dam	Juniper Bales	7414-2.JPG		X		X
D00506030007	Check Dam	Juniper Bales	7414-3.JPG		X		X
D00506030008	Check Dam	Juniper Bales	7414-3.JPG		X		X
D00502020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7414-4.JPG	X			
D00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7414-4.JPG	X			
D00501010010	Seed and Mulch	Seed and Wood Mulch	7414-3.JPG	X			

Comments

None applicable.

PF: D005

SMA: DP-SMA-2



Photo 7414-1.JPG (taken 07/29/10) D00503020003 : Berms - Base Course Berm.



Photo 7414-2.JPG (taken 07/29/10) D00506030009 : Check Dam - Juniper Bales.

PF: D005

SMA: DP-SMA-2



Photo 7414-3.JPG (taken 07/29/10) D00501010010 : Seed and Mulch - Seed and Wood Mulch; D00506030007 : Check Dam - Juniper Bales; D00506030008 : Check Dam - Juniper Bales.



Photo 7414-4.JPG (taken 07/29/10) D00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; D00502020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: L001

SMA: LA-SMA-0.85

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	X		
Gabions		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L00103090006	Berms	Curbing	10552-1.JPG			X	X
L00102010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10552-3.JPG	X			
L00102030007	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	10552-2.JPG	X	X		
L00107010005	Gabions	Gabions	10552-7.JPG		X		X
L00107010001	Gabions	Gabions	10552-5.JPG		X		X
L00107010004	Gabions	Gabions	10552-4.JPG		X		X

Comments

None applicable.



Photo 10552-1.JPG (taken 07/28/10) L00103090006 : Berms - Curbing.

PF: L001

SMA: LA-SMA-0.85



Photo 10552-2.JPG (taken 07/28/10) L00102030007 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



Photo 10552-3.JPG (taken 07/28/10) L00102010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L001

SMA: LA-SMA-0.85



Photo 10552-4.JPG (taken 07/28/10) L00107010004 : Gabions - Gabions.



Photo 10552-5.JPG (taken 07/28/10) L00107010001 : Gabions - Gabions.

PF: L001

SMA: LA-SMA-0.85



Photo 10552-7.JPG (taken 07/28/10) L00107010005 : Gabions - Gabions.

PF: L005

SMA: LA-SMA-1.25

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			
Gabions		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L00503020001	Berms	Base Course Berm	7420-1.JPG			X	X
L00502020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7420-3.JPG	X			
L00507010002	Gabions	Gabions	7420-2.JPG		X		X

Comments

None applicable.



Photo 7420-1.JPG (taken 07/28/10) L00503020001 : Berms - Base Course Berm.

PF: L005

SMA: LA-SMA-1.25



Photo 7420-2.JPG (taken 07/28/10) L00507010002 : Gabions - Gabions.



Photo 7420-3.JPG (taken 07/28/10) L00502020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: L008

SMA: LA-SMA-3.1

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	
Established Vegetation	X	X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L00804040004	Channel/Swale	Culvert	7422-1.JPG	X		X	
L00802020006	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7422-3.JPG	X			
L00802010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7422-3.JPG	X			
L00802030005	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7422-2.JPG	X	X		X

Comments

None applicable.



Photo 7422-1.JPG (taken 07/28/10) L00804040004 : Channel/Swale - Culvert.

PF: L008

SMA: LA-SMA-3.1



Photo 7422-2.JPG (taken 07/28/10) L00802030005 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



Photo 7422-3.JPG (taken 07/28/10) L00802010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; L00802020006 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: L010

SMA: LA-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)
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
L01004060005	Channel/Swale	Rip Rap	7424-1.JPG	X		X	
L01004060007	Channel/Swale	Rip Rap	7424-2.JPG	X		X	
L01004060004	Channel/Swale	Rip Rap	7424-1.JPG	X		X	
L01006010008	Check Dam	Rock Check Dam	7424-3.JPG		X		X
L01002010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7424-4.JPG	X			

Comments

None applicable.



Photo 7424-1.JPG (taken 07/28/10) L01004060004 : Channel/Swale - Rip Rap; L01004060005 : Channel/Swale - Rip Rap.

PF: L010

SMA: LA-SMA-4.1



Photo 7424-2.JPG (taken 07/28/10) L01004060007 : Channel/Swale - Rip Rap.



Photo 7424-3.JPG (taken 07/28/10) L01006010008 : Check Dam - Rock Check Dam.

PF: L010

SMA: LA-SMA-4.1



Photo 7424-4.JPG (taken 07/28/10) L01002010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L011

SMA: LA-SMA-4.2

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L01104050006	Channel/Swale	Water Bar	10889-2r.JPG	X		X	
L01104050007	Channel/Swale	Water Bar	10889-1r.JPG	X		X	
L01104050003	Channel/Swale	Water Bar	10889-3r.JPG	X		X	
L01104050004	Channel/Swale	Water Bar	7449-3.JPG	X		X	
L01106010002	Check Dam	Rock Check Dam	7449-2.JPG		X		X
L01106010005	Check Dam	Rock Check Dam	7449-2.JPG		X		X
L01102010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7449-1.JPG	X			

Comments

None applicable.

PF: L011

SMA: LA-SMA-4.2



Photo 10889-1r.JPG (taken 10/06/10) L01104050007 : Channel/Swale - Water Bar.



Photo 10889-2r.JPG (taken 10/06/10) L01104050006 : Channel/Swale - Water Bar.

PF: L011

SMA: LA-SMA-4.2



Photo 10889-3r.JPG (taken 10/06/10) L01104050003 : Channel/Swale - Water Bar.



Photo 7449-1.JPG (taken 07/28/10) L01102010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L011

SMA: LA-SMA-4.2



Photo 7449-2.JPG (taken 07/28/10) L01106010002 : Check Dam - Rock Check Dam; L01106010005 : Check Dam - Rock Check Dam.



Photo 7449-3.JPG (taken 07/28/10) L01104050004 : Channel/Swale - Water Bar.

PF: L014

SMA: LA-SMA-5.35

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L01403100003	Berms	Gravel Bags	7427-2.JPG			X	X
L01403100006	Berms	Gravel Bags	7427-3.JPG			X	X
L01404020001	Channel/Swale	Concrete/Asphalt Channel/Swale	7427-4.JPG	X		X	
L01404060007	Channel/Swale	Rip Rap	7427-1.JPG	X	X		

Comments

None applicable.



Photo 7427-1.JPG (taken 07/28/10) L01404060007 : Channel/Swale - Rip Rap.

PF: L014

SMA: LA-SMA-5.35



Photo 7427-2.JPG (taken 07/28/10) L01403100003 : Berms - Gravel Bags.



Photo 7427-3.JPG (taken 07/28/10) L01403100006 : Berms - Gravel Bags.

PF: L014

SMA: LA-SMA-5.35



Photo 7427-4.JPG (taken 07/28/10) L01404020001 : Channel/Swale - Concrete/Asphalt Channel/Swale.

PF: L019

SMA: LA-SMA-5.91

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L01902010006	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10547-2r.JPG	X			
L01905020001	Sediment Traps and Basins	Sediment Basin	10547-1r.JPG		X	X	X
L01901060012	Seed and Mulch	Erosion Control Blanket	10547-2r.JPG	X			

Comments

Seed and mulch BMP functions only as erosion control. Sediment basin manages run-on control at SMA.



Photo 10547-1r.JPG (taken 09/20/10) L01905020001 : Sediment Traps and Basins - Sediment Basin.

PF: L019

SMA: LA-SMA-5.91



Photo 10547-2r.JPG (taken 09/20/10) L01901060012 : Seed and Mulch - Erosion Control Blanket;
L01902010006 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L019A

SMA: LA-SMA-5.92

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			
Sediment Traps and Basins		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
L019A03010005	Berms	Earthen Berm	10551-1r.JPG		X	X	X
L019A03030003	Berms	Log Berm	10551-3r.JPG		X		X
L019A02010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10551-2r.JPG	X			
L019A05020006	Sediment Traps and Basins	Sediment Basin	10551-1r.JPG		X		X

Comments

None applicable.



Photo 10551-1r.JPG (taken 09/20/10) L019A03010005 : Berms - Earthen Berm; L019A05020006 : Sediment Traps and Basins - Sediment Basin.

PF: L019A

SMA: LA-SMA-5.92



Photo 10551-2r.JPG (taken 09/20/10) L019A02010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 10551-3r.JPG (taken 09/20/10) L019A03030003 : Berms - Log Berm.

PF: L020

SMA: LA-SMA-6.25

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
L02003040002	Berms	Asphalt Berm	7430-2.JPG			X	X
L02003060005	Berms	Straw Wattles	7430-1.JPG		X		X
L02002010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7430-3.JPG	X			

Comments

None applicable.



Photo 7430-1.JPG (taken 07/29/10) L02003060005 : Berms - Straw Wattles.

PF: L020

SMA: LA-SMA-6.25



Photo 7430-2.JPG (taken 07/29/10) L02003040002 : Berms - Asphalt Berm.



Photo 7430-3.JPG (taken 07/29/10) L02002010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: L021

SMA: LA-SMA-6.27

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
L02103040001	Berms	Asphalt Berm	10561-1r.JPG			X	X
L02103060008	Berms	Straw Wattles	10561-5r.JPG		X		X
L02103060007	Berms	Straw Wattles	10561-3r.JPG		X		X
L02102010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10561-4r.JPG	X			
L02101010003	Seed and Mulch	Seed and Wood Mulch	10561-2r.JPG	X			

Comments

Asphalt berm handles run-on control at SMA. Run-on function of seed and mulch not needed.



Photo 10561-1r.JPG (taken 09/14/10) L02103040001 : Berms - Asphalt Berm.

PF: L021

SMA: LA-SMA-6.27



Photo 10561-2r.JPG (taken 09/14/10) L02101010003 : Seed and Mulch - Seed and Wood Mulch.



Photo 10561-3r.JPG (taken 09/14/10) L02103060007 : Berms - Straw Wattles.

PF: L021

SMA: LA-SMA-6.27



Photo 10561-4r.JPG (taken 09/14/10) L02102010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 10561-5r.JPG (taken 09/14/10) L02103060008 : Berms - Straw Wattles.

PF: P005

SMA: P-SMA-1

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
P00503040010	Berms	Asphalt Berm	8653-1.JPG			X	X
P00503080003	Berms	Retaining Wall	8653-11.JPG		X		X
P00504020005	Channel/Swale	Concrete/Asphalt Channel/Swale	8653-13.JPG	X	X		
P00504020009	Channel/Swale	Concrete/Asphalt Channel/Swale	8653-3.JPG	X		X	
P00504020011	Channel/Swale	Concrete/Asphalt Channel/Swale	8653-2.JPG	X		X	
P00504040016	Channel/Swale	Culvert	8653-4.JPG	X		X	
P00504040004	Channel/Swale	Culvert	8653-8.JPG	X		X	
P00504060013	Channel/Swale	Rip Rap	8653-10.JPG	X	X		
P00504060002	Channel/Swale	Rip Rap	8653-11.JPG	X	X		
P00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8653-11.JPG	X			
P00502030014	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	8653-9.JPG	X	X		
P00502030015	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	8653-12.JPG	X		X	

Comments

None applicable.

PF: P005

SMA: P-SMA-1



Photo 8653-1.JPG (taken 07/30/10) P00503040010 : Berms - Asphalt Berm.



Photo 8653-10.JPG (taken 07/30/10) P00504060013 : Channel/Swale - Rip Rap.

PF: P005

SMA: P-SMA-1



Photo 8653-11.JPG (taken 07/30/10) P00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; P00503080003 : Berms - Retaining Wall; P00504060002 : Channel/Swale - Rip Rap.



Photo 8653-12.JPG (taken 07/30/10) P00502030015 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: P005

SMA: P-SMA-1



Photo 8653-13.JPG (taken 07/30/10) P00504020005 : Channel/Swale - Concrete/Asphalt Channel/Swale.



Photo 8653-2.JPG (taken 07/30/10) P00504020011 : Channel/Swale - Concrete/Asphalt Channel/Swale.

PF: P005

SMA: P-SMA-1



Photo 8653-3.JPG (taken 07/30/10) P00504020009 : Channel/Swale - Concrete/Asphalt Channel/Swale.



Photo 8653-4.JPG (taken 07/30/10) P00504040016 : Channel/Swale - Culvert.

PF: P005

SMA: P-SMA-1



Photo 8653-8.JPG (taken 07/30/10) P00504040004 : Channel/Swale - Culvert.



Photo 8653-9.JPG (taken 07/30/10) P00502030014 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: P006

SMA: P-SMA-2

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
P00603020010	Berms	Base Course Berm	7417-5.JPG			X	X
P00603020009	Berms	Base Course Berm	7417-6.JPG			X	X
P00603120008	Berms	Rock Berm	7417-1.JPG		X		X
P00604020006	Channel/Swale	Concrete/Asphalt Channel/Swale	7417-4.JPG	X		X	
P00604010001	Channel/Swale	Earthen Channel/Swale	7417-3.JPG	X		X	
P00604060003	Channel/Swale	Rip Rap	7417-8.JPG	X		X	
P00604060002	Channel/Swale	Rip Rap	7417-7.JPG	X		X	
P00602010007	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7417-2.JPG	X			

Comments

None applicable.

PF: P006

SMA: P-SMA-2



Photo 7417-1.JPG (taken 07/30/10) P00603120008 : Berms - Rock Berm.



Photo 7417-2.JPG (taken 07/30/10) P00602010007 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: P006

SMA: P-SMA-2



Photo 7417-3.JPG (taken 07/30/10) P00604010001 : Channel/Swale - Earthen Channel/Swale.



Photo 7417-4.JPG (taken 07/30/10) P00604020006 : Channel/Swale - Concrete/Asphalt Channel/Swale.

PF: P006

SMA: P-SMA-2



Photo 7417-5.JPG (taken 07/30/10) P00603020010 : Berms - Base Course Berm.



Photo 7417-6.JPG (taken 07/30/10) P00603020009 : Berms - Base Course Berm.

PF: P006

SMA: P-SMA-2



Photo 7417-7.JPG (taken 07/30/10) P00604060002 : Channel/Swale - Rip Rap.



Photo 7417-8.JPG (taken 07/30/10) P00604060003 : Channel/Swale - Rip Rap.

PF: R004

SMA: R-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)
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
R00406030003	Check Dam	Juniper Bales	7444-1.JPG		X		X
R00406030002	Check Dam	Juniper Bales	7444-1.JPG		X		X
R00406030004	Check Dam	Juniper Bales	7444-1.JPG		X		X
R00402020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7444-1.JPG	X			

Comments

None applicable.



Photo 7444-1.JPG (taken 08/03/10) R00402020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; R00406030002 : Check Dam - Juniper Bales; R00406030003 : Check Dam - Juniper Bales; R00406030004 : Check Dam - Juniper Bales.

PF: R005

SMA: R-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)
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
R00506030003	Check Dam	Juniper Bales	7443-1.JPG		X		X
R00502020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7443-2.JPG	X			
R00502010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7443-2.JPG	X			

Comments

None applicable.



Photo 7443-1.JPG (taken 08/03/10) R00506030003 : Check Dam - Juniper Bales.

PF: R005

SMA: R-SMA-2.3



Photo 7443-2.JPG (taken 08/03/10) R00502010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; R00502020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

ENCLOSURE 2

**Certification of Completion of Baseline Control Measures
for 3 Site Monitoring Areas in the
Sandia Watershed**

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

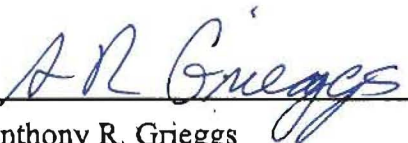
**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

NPDES Permit No. NM0030759


PERMITTED FEATURE	SITE MONITORING AREA
S001	S-SMA-0.25
S003	S-SMA-2
S006	S-SMA-3.6

**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."



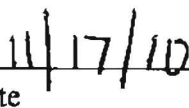
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: S001

SMA: S-SMA-0.25

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
S00103060009	Berms	Straw Wattles	8661-1r.JPG			X	X
S00104060007	Channel/Swale	Rip Rap	7599-1.JPG	X		X	
S00102020006	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7599-3.JPG	X			
S00102010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7599-4.JPG	X			
S00107020003	Gabions	Gabion Blanket	7599-5.JPG	X	X		
S00107010008	Gabions	Gabions	7599-2.JPG		X		X

Comments

None applicable.

PF: S001

SMA: S-SMA-0.25



Photo 7599-1.JPG (taken 08/03/10) S00104060007 : Channel/Swale - Rip Rap.



Photo 7599-2.JPG (taken 08/03/10) S00107010008 : Gabions - Gabions.

PF: S001

SMA: S-SMA-0.25



Photo 7599-3.JPG (taken 08/03/10) S00102020006 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 7599-4.JPG (taken 08/03/10) S00102010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: S001

SMA: S-SMA-0.25



Photo 7599-5.JPG (taken 08/03/10) S00107020003 : Gabions - Gabion Blanket.



Photo 8661-1r.JPG (taken 09/03/10) S00103060009 : Berms - Straw Wattles.

PF: S003

SMA: S-SMA-2

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	
Established Vegetation	X			
Gabions		X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
S00303020008	Berms	Base Course Berm	7600-1.JPG			X	X
S00304060005	Channel/Swale	Rip Rap	7600-4.JPG	X		X	
S00304060010	Channel/Swale	Rip Rap	7600-5.JPG	X		X	
S00304060009	Channel/Swale	Rip Rap	7600-2.JPG	X		X	
S00302010007	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7600-3.JPG	X			
S00307020006	Gabions	Gabion Blanket	7600-6.JPG		X		X

Comments

None applicable.



Photo 7600-1.JPG (taken 08/03/10) S00303020008 : Berms - Base Course Berm.

PF: S003

SMA: S-SMA-2



Photo 7600-2.JPG (taken 08/03/10) S00304060009 : Channel/Swale - Rip Rap.



Photo 7600-3.JPG (taken 08/03/10) S00302010007 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: S003

SMA: S-SMA-2



Photo 7600-4.JPG (taken 08/03/10) S00304060005 : Channel/Swale - Rip Rap.



Photo 7600-5.JPG (taken 08/03/10) S00304060010 : Channel/Swale - Rip Rap.

PF: S003

SMA: S-SMA-2



Photo 7600-6.JPG (taken 08/03/10) S00307020006 : Gabions - Gabion Blanket.

PF: S006

SMA: S-SMA-3.6

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	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
S00604060011	Channel/Swale	Rip Rap	7451-1.JPG	X		X	
S00604060002	Channel/Swale	Rip Rap	7451-9.JPG	X		X	
S00604060010	Channel/Swale	Rip Rap	7451-12.JPG	X	X		
S00606010012	Check Dam	Rock Check Dam	7451-4.JPG		X		X
S00606010014	Check Dam	Rock Check Dam	7451-2.JPG		X		X
S00606010013	Check Dam	Rock Check Dam	7451-3.JPG		X		X
S00606010001	Check Dam	Rock Check Dam	7451-8.JPG		X		X
S00606010015	Check Dam	Rock Check Dam	8513-1r.JPG			X	X
S00602010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7451-13.JPG	X			
S00607010008	Gabions	Gabions	7451-5.JPG			X	X
S00607010007	Gabions	Gabions	7451-6.JPG			X	X

Comments

None applicable.

PF: S006

SMA: S-SMA-3.6



Photo 7451-1.JPG (taken 08/04/10) S00604060011 : Channel/Swale - Rip Rap.



Photo 7451-12.JPG (taken 08/04/10) S00604060010 : Channel/Swale - Rip Rap.

PF: S006

SMA: S-SMA-3.6



Photo 7451-13.JPG (taken 08/04/10) S00602010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7451-2.JPG (taken 08/04/10) S00606010014 : Check Dam - Rock Check Dam.

PF: S006

SMA: S-SMA-3.6



Photo 7451-3.JPG (taken 08/04/10) S00606010013 : Check Dam - Rock Check Dam.



Photo 7451-4.JPG (taken 08/04/10) S00606010012 : Check Dam - Rock Check Dam.

PF: S006

SMA: S-SMA-3.6



Photo 7451-5.JPG (taken 08/04/10) S00607010008 : Gabions - Gabions.



Photo 7451-6.JPG (taken 08/04/10) S00607010007 : Gabions - Gabions.

PF: S006

SMA: S-SMA-3.6



Photo 7451-8.JPG (taken 08/04/10) S00606010001 : Check Dam - Rock Check Dam.



Photo 7451-9.JPG (taken 08/04/10) S00604060002 : Channel/Swale - Rip Rap.

PF: S006

SMA: S-SMA-3.6



Photo 8513-1r.JPG (taken 08/20/10) S00606010015 : Check Dam - Rock Check Dam.

ENCLOSURE 3

**Certification of Completion of Baseline Control Measures
for 11 Site Monitoring Areas in the
Mortandad Watershed**

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

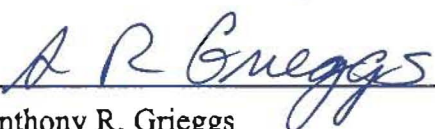
**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

NPDES Permit No. NM0030759

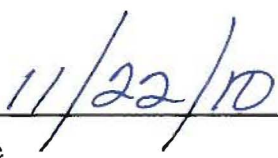
PERMITTED FEATURE	SITE MONITORING AREA
C001	CDB-SMA-0.15
C002	CDB-SMA-0.25
C005	CDB-SMA-1.15
C006	CDB-SMA-1.35
C007	CDB-SMA-1.54
C008	CDB-SMA-1.55
C009	CDB-SMA-1.65
M001	M-SMA-1
M016	M-SMA-12.5
M021	M-SMA-12.92
M006	M-SMA-4

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

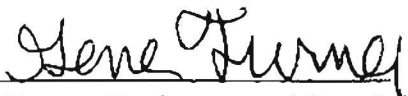
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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



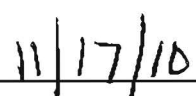
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: C001

SMA: CDB-SMA-0.15

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
C00103120009	Berms	Rock Berm	8670-1r.JPG			X	X
C00103120010	Berms	Rock Berm	8670-2r.JPG			X	X
C00106030006	Check Dam	Juniper Bales	7485-2r.JPG		X		X
C00106030005	Check Dam	Juniper Bales	7485-2r.JPG		X		X
C00106030007	Check Dam	Juniper Bales	7485-4r.JPG		X		X
C00106030003	Check Dam	Juniper Bales	7485-1r.JPG			X	X
C00106030004	Check Dam	Juniper Bales	7485-3r.JPG		X		X
C00106010011	Check Dam	Rock Check Dam	8670-2r.JPG			X	X
C00102010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7485-5r.JPG	X			
C00101010008	Seed and Mulch	Seed and Wood Mulch	7485-2r.JPG	X	X		

Comments

None applicable.

PF: C001

SMA: CDB-SMA-0.15



Photo 7485-1r.JPG (taken 08/10/10) C00106030003 : Check Dam - Juniper Bales.



Photo 7485-2r.JPG (taken 08/10/10) C00101010008 : Seed and Mulch - Seed and Wood Mulch;
C00106030005 : Check Dam - Juniper Bales; C00106030006 : Check Dam - Juniper Bales.

PF: C001

SMA: CDB-SMA-0.15



Photo 7485-3r.JPG (taken 08/10/10) C00106030004 : Check Dam - Juniper Bales.



Photo 7485-4r.JPG (taken 08/10/10) C00106030007 : Check Dam - Juniper Bales.

PF: C001

SMA: CDB-SMA-0.15



Photo 7485-5r.JPG (taken 08/10/10) C00102010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 8670-1r.JPG (taken 09/02/10) C00103120009 : Berms - Rock Berm.

PF: C001

SMA: CDB-SMA-0.15



Photo 8670-2r.JPG (taken 09/02/10) C00103120010 : Berms - Rock Berm; C00106010011 : Check Dam - Rock Check Dam.

PF: C002

SMA: CDB-SMA-0.25

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			

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
C00203010013	Berms	Earthen Berm	7484-1r.JPG		X		X
C00204060001	Channel/Swale	Rip Rap	7484-6r.JPG	X		X	
C00204060009	Channel/Swale	Rip Rap	7484-5.JPG	X		X	
C00206020012	Check Dam	Log Check Dam	7484-2r.JPG		X		X
C00206020010	Check Dam	Log Check Dam	7484-3r.JPG		X		X
C00206020007	Check Dam	Log Check Dam	7484-4r.JPG		X		X
C00202010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7484-1r.JPG	X			
C00201060014	Seed and Mulch	Erosion Control Blanket	7484-1r.JPG	X			

Comments

None applicable.

PF: C002

SMA: CDB-SMA-0.25



Photo 7484-1r.JPG (taken 08/10/10) C00201060014 : Seed and Mulch - Erosion Control Blanket; C00202010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; C00203010013 : Berms - Earthen Berm.



Photo 7484-2r.JPG (taken 08/10/10) C00206020012 : Check Dam - Log Check Dam.

PF: C002

SMA: CDB-SMA-0.25



Photo 7484-3r.JPG (taken 08/10/10) C00206020010 : Check Dam - Log Check Dam.



Photo 7484-4r.JPG (taken 08/10/10) C00206020007 : Check Dam - Log Check Dam.

PF: C002

SMA: CDB-SMA-0.25



Photo 7484-5.JPG (taken 08/10/10) C00204060009 : Channel/Swale - Rip Rap.



Photo 7484-6r.JPG (taken 08/10/10) C00204060001 : Channel/Swale - Rip Rap.

PF: C005

SMA: CDB-SMA-1.15

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			
Seed and Mulch	X	X		

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
C00503010006	Berms	Earthen Berm	7483-1r.JPG		X		X
C00504060008	Channel/Swale	Rip Rap	7483-2r.JPG	X		X	
C00504060007	Channel/Swale	Rip Rap	7483-3r.JPG	X		X	
C00502010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7483-1r.JPG	X			
C00501060009	Seed and Mulch	Erosion Control Blanket	7483-1r.JPG	X	X		

Comments

None applicable.



Photo 7483-1r.JPG (taken 08/10/10) C00501060009 : Seed and Mulch - Erosion Control Blanket; C00502010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; C00503010006 : Berms - Earthen Berm.

PF: C005

SMA: CDB-SMA-1.15



Photo 7483-2r.JPG (taken 08/10/10) C00504060008 : Channel/Swale - Rip Rap.



Photo 7483-3r.JPG (taken 08/10/10) C00504060007 : Channel/Swale - Rip Rap.

PF: C006

SMA: CDB-SMA-1.35

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			
Seed and Mulch	X	X		

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
C00603010006	Berms	Earthen Berm	7482-1r.JPG		X		X
C00604060009	Channel/Swale	Rip Rap	7482-3r.JPG	X		X	
C00602020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7482-2r.JPG	X			
C00602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7482-2r.JPG	X			
C00601060007	Seed and Mulch	Erosion Control Blanket	7482-1r.JPG	X	X		
C00601010008	Seed and Mulch	Seed and Wood Mulch	7482-1r.JPG	X			

Comments

None applicable.

PF: C006

SMA: CDB-SMA-1.35



Photo 7482-1r.JPG (taken 08/10/10) C00601010008 : Seed and Mulch - Seed and Wood Mulch; C00601060007 : Seed and Mulch - Erosion Control Blanket; C00603010006 : Berms - Earthen Berm.



Photo 7482-2r.JPG (taken 08/10/10) C00602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; C00602020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: C006

SMA: CDB-SMA-1.35



Photo 7482-3r.JPG (taken 08/10/10) C00604060009 : Channel/Swale - Rip Rap.

PF: C007

SMA: CDB-SMA-1.54

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X	X	X
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
C00703010008	Berms	Earthen Berm	7481-4r.JPG		X		X
C00703010009	Berms	Earthen Berm	7481-4r.JPG			X	X
C00703010007	Berms	Earthen Berm	7481-4r.JPG		X		X
C00704060006	Channel/Swale	Rip Rap	7481-5r.JPG	X	X		
C00704050014	Channel/Swale	Water Bar	7481-1r.JPG	X			
C00706020016	Check Dam	Log Check Dam	7481-6r.JPG		X		X
C00706020018	Check Dam	Log Check Dam	7481-2r.JPG		X		X
C00706020017	Check Dam	Log Check Dam	7481-3r.JPG		X		X
C00706020015	Check Dam	Log Check Dam	7481-6r.JPG		X		X
C00702010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7481-6r.JPG	X			
C00701060012	Seed and Mulch	Erosion Control Blanket	7481-4r.JPG	X			
C00701060011	Seed and Mulch	Erosion Control Blanket	7481-4r.JPG	X			
C00701060010	Seed and Mulch	Erosion Control Blanket	7481-4r.JPG	X			
C00701010013	Seed and Mulch	Seed and Wood Mulch	7481-4r.JPG	X			

Comments

None applicable.

PF: C007

SMA: CDB-SMA-1.54



Photo 7481-1r.JPG (taken 08/10/10) C00704050014 : Channel/Swale - Water Bar.



Photo 7481-2r.JPG (taken 08/10/10) C00706020018 : Check Dam - Log Check Dam.

PF: C007

SMA: CDB-SMA-1.54



Photo 7481-3r.JPG (taken 08/10/10) C00706020017 : Check Dam - Log Check Dam.



Photo 7481-4r.JPG (taken 08/10/10) C00701010013 : Seed and Mulch - Seed and Wood Mulch;
C00701060010 : Seed and Mulch - Erosion Control Blanket; C00701060011 : Seed and Mulch - Erosion Control
Blanket; C00701060012 : Seed and Mulch - Erosion Control Blanket; C00703010007 : Berms - Earthen Berm;
C00703010008 : Berms - Earthen Berm; C00703010009 : Berms - Earthen Berm.

PF: C007

SMA: CDB-SMA-1.54



Photo 7481-5r.JPG (taken 08/10/10) C00704060006 : Channel/Swale - Rip Rap.



Photo 7481-6r.JPG (taken 08/10/10) C00702010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; C00706020015 : Check Dam - Log Check Dam; C00706020016 : Check Dam - Log Check Dam.

PF: C008

SMA: CDB-SMA-1.55

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	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
C00803010010	Berms	Earthen Berm	11462-1r.JPG		X		X
C00803120009	Berms	Rock Berm	11462-1r.JPG			X	X
C00802010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	11462-2r.JPG	X			
C00801010011	Seed and Mulch	Seed and Wood Mulch	11462-1r.JPG	X			

Comments

Rock berm manages run-on control at SMA. Run-on control function of seed and mulch not needed.



Photo 11462-1r.JPG (taken 10/22/10) C00801010011 : Seed and Mulch - Seed and Wood Mulch; C00803010010 : Berms - Earthen Berm; C00803120009 : Berms - Rock Berm.

PF: C008

SMA: CDB-SMA-1.55



Photo 11462-2r.JPG (taken 10/22/10) C00802010002 : Established Vegetation - Permanent Vegetation
Grasses and Shrubs.

PF: C009

SMA: CDB-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
Channel/Swale	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
C00903060003	Berms	Straw Wattles	7480-2r.JPG		X		X
C00904010002	Channel/Swale	Earthen Channel/Swale	7480-1r.JPG	X		X	
C00904060001	Channel/Swale	Rip Rap	7480-1r.JPG	X		X	

Comments

None applicable.



Photo 7480-1r.JPG (taken 08/10/10) C00904010002 : Channel/Swale - Earthen Channel/Swale; C00904060001 : Channel/Swale - Rip Rap.

PF: C009

SMA: CDB-SMA-1.65



Photo 7480-2r.JPG (taken 08/10/10) C00903060003 : Berms - Straw Wattles.

PF: M001

SMA: M-SMA-1

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
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
M00102020005	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7493-3r.JPG	X			
M00102010007	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7493-3r.JPG	X			
M00107010006	Gabions	Gabions	7493-2r.JPG		X		X
M00107010001	Gabions	Gabions	7493-1r.JPG			X	X

Comments

None applicable.



Photo 7493-1r.JPG (taken 08/09/10) M00107010001 : Gabions - Gabions.

PF: M001

SMA: M-SMA-1



Photo 7493-2r.JPG (taken 08/09/10) M00107010006 : Gabions - Gabions.



Photo 7493-3r.JPG (taken 08/09/10) M00102010007 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; M00102020005 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: M016

SMA: M-SMA-12.5

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M01603060003	Berms	Straw Wattles	7486-2r.JPG		X		X
M01603060004	Berms	Straw Wattles	7486-2r.JPG		X		X
M01603060005	Berms	Straw Wattles	7486-2r.JPG		X		X
M01603060002	Berms	Straw Wattles	7486-1r.JPG			X	X
M01606010008	Check Dam	Rock Check Dam	7486-3r.JPG		X		X
M01606010007	Check Dam	Rock Check Dam	7486-4r.JPG		X		X
M01602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7486-2r.JPG	X			
M01601010006	Seed and Mulch	Seed and Wood Mulch	7486-2r.JPG	X		X	

Comments

None applicable.

PF: M016

SMA: M-SMA-12.5



Photo 7486-1r.JPG (taken 08/10/10) M01603060002 : Berms - Straw Wattles.



Photo 7486-2r.JPG (taken 08/10/10) M01601010006 : Seed and Mulch - Seed and Wood Mulch; M01602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; M01603060003 : Berms - Straw Wattles; M01603060004 : Berms - Straw Wattles; M01603060005 : Berms - Straw Wattles.

PF: M016

SMA: M-SMA-12.5



Photo 7486-3r.JPG (taken 08/10/10) M01606010008 : Check Dam - Rock Check Dam.



Photo 7486-4r.JPG (taken 08/10/10) M01606010007 : Check Dam - Rock Check Dam.

PF: M021

SMA: M-SMA-12.92

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M02102010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7471-1.JPG	X			
M02105010004	Sediment Traps and Basins	Sediment Trap	7471-3.JPG			X	X
M02105010001	Sediment Traps and Basins	Sediment Trap	7471-1.JPG		X		X
M02105010003	Sediment Traps and Basins	Sediment Trap	7471-2.JPG		X		X

Comments

None applicable.



Photo 7471-1.JPG (taken 08/06/10) M02102010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; M02105010001 : Sediment Traps and Basins - Sediment Trap.

PF: M021

SMA: M-SMA-12.92



Photo 7471-2.JPG (taken 08/06/10) M02105010003 : Sediment Traps and Basins - Sediment Trap.



Photo 7471-3.JPG (taken 08/06/10) M02105010004 : Sediment Traps and Basins - Sediment Trap.

PF: M006

SMA: M-SMA-4

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			
Gabions	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
M00604060012	Channel/Swale	Rip Rap	7489-2r.JPG	X		X	
M00604060002	Channel/Swale	Rip Rap	7489-5r.JPG	X	X		
M00604060007	Channel/Swale	Rip Rap	7489-3r.JPG	X		X	
M00606010011	Check Dam	Rock Check Dam	7489-1r.JPG			X	X
M00606010005	Check Dam	Rock Check Dam	7480-1r.JPG			X	X
M00606010010	Check Dam	Rock Check Dam	7489-1r.JPG			X	X
M00602020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7489-6r.JPG	X			
M00602010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7489-4r.JPG	X			
M00607010006	Gabions	Gabions	7489-7r.JPG	X		X	

Comments

None applicable.

PF: M006

SMA: M-SMA-4



Photo 7480-1r.JPG (taken 08/09/10) M00606010005 : Check Dam - Rock Check Dam.



Photo 7489-1r.JPG (taken 08/09/10) M00606010010 : Check Dam - Rock Check Dam; M00606010011 : Check Dam - Rock Check Dam.

PF: M006

SMA: M-SMA-4



Photo 7489-2r.JPG (taken 08/09/10) M00604060012 : Channel/Swale - Rip Rap.



Photo 7489-3r.JPG (taken 08/09/10) M00604060007 : Channel/Swale - Rip Rap.

PF: M006

SMA: M-SMA-4



Photo 7489-4r.JPG (taken 08/09/10) M00602010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7489-5r.JPG (taken 08/09/10) M00604060002 : Channel/Swale - Rip Rap.

PF: M006

SMA: M-SMA-4



Photo 7489-6r.JPG (taken 08/09/10) M00602020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 7489-7r.JPG (taken 08/09/10) M00607010006 : Gabions - Gabions.

ENCLOSURE 4

**Certification of Completion of Baseline Control Measures
for 24 Site Monitoring Areas in the
Pajarito Watershed**

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

**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
E001	2M-SMA-1
E003	2M-SMA-1.43
E006	2M-SMA-1.5
E013	2M-SMA-2.2
H001	3M-SMA-0.2
J001	PJ-SMA-1.05
J018	PJ-SMA-14.2
J019	PJ-SMA-14.3
J021	PJ-SMA-14.6
J023	PJ-SMA-16
J024	PJ-SMA-17
J026	PJ-SMA-18
J025	PJ-SMA-19
J002	PJ-SMA-2
J004	PJ-SMA-4.05
J005	PJ-SMA-5
J007	PJ-SMA-6
J008	PJ-SMA-7
J009	PJ-SMA-8
J010	PJ-SMA-9
J028	STRM-SMA-1.05
J029	STRM-SMA-1.5
J030	STRM-SMA-4.2
J031	STRM-SMA-5.05

**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: E001

SMA: 2M-SMA-1

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms			X	X
Channel/Swale	X		X	
Check Dam			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
E00103010012	Berms	Earthen Berm	10554-1r.JPG			X	X
E00103060002	Berms	Straw Wattles	7516-8r.JPG			X	X
E00104060011	Channel/Swale	Rip Rap	10554-2r.JPG	X		X	
E00104060010	Channel/Swale	Rip Rap	7516-5r.JPG	X		X	
E00106010007	Check Dam	Rock Check Dam	7516-2r.JPG			X	X
E00106010008	Check Dam	Rock Check Dam	7516-3r.JPG			X	X
E00106010009	Check Dam	Rock Check Dam	7516-4r.JPG			X	X
E00102020006	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7516-6r.JPG	X			
E00102010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7516-7r.JPG	X			
E00107010003	Gabions	Gabions	7516-1r.JPG		X		X
E00107010004	Gabions	Gabions	7516-1r.JPG		X		X

Comments

None applicable.

PF: E001

SMA: 2M-SMA-1



Photo 10554-1r.JPG (taken 09/09/10) E00103010012 : Berms - Earthen Berm.



Photo 10554-2r.JPG (taken 09/09/10) E00104060011 : Channel/Swale - Rip Rap.

PF: E001

SMA: 2M-SMA-1



Photo 7516-1r.JPG (taken 08/12/10) E00107010003 : Gabions - Gabions; E00107010004 : Gabions - Gabions.



Photo 7516-2r.JPG (taken 08/12/10) E00106010007 : Check Dam - Rock Check Dam.

PF: E001

SMA: 2M-SMA-1



Photo 7516-3r.JPG (taken 08/12/10) E00106010008 : Check Dam - Rock Check Dam.



Photo 7516-4r.JPG (taken 08/12/10) E00106010009 : Check Dam - Rock Check Dam.

PF: E001

SMA: 2M-SMA-1



Photo 7516-5r.JPG (taken 08/12/10) E00104060010 : Channel/Swale - Rip Rap.



Photo 7516-6r.JPG (taken 08/12/10) E00102020006 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: E001

SMA: 2M-SMA-1



Photo 7516-7r.JPG (taken 08/12/10) E00102010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7516-8r.JPG (taken 08/12/10) E00103060002 : Berms - Straw Wattles.

PF: E003

SMA: 2M-SMA-1.43

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	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E00306010003	Check Dam	Rock Check Dam	7504-2r.JPG		X		X
E00302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7504-2r.JPG	X			
E00302030002	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7504-1r.JPG	X		X	

Comments

None applicable.



Photo 7504-1r.JPG (taken 08/11/10) E00302030002 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: E003

SMA: 2M-SMA-1.43



Photo 7504-2r.JPG (taken 08/11/10) E00302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E00306010003 : Check Dam - Rock Check Dam.

PF: E006

SMA: 2M-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)
Channel/Swale	X		X	
Established Vegetation	X	X		X

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E00604040002	Channel/Swale	Culvert	7505-1r.JPG	X		X	
E00602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7505-2r.JPG	X			
E00602030003	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7505-2r.JPG	X	X		X

Comments

None applicable.



Photo 7505-1r.JPG (taken 08/11/10) E00604040002 : Channel/Swale - Culvert.

PF: E006

SMA: 2M-SMA-1.5



Photo 7505-2r.JPG (taken 08/11/10) E00602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; E00602030003 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: E013

SMA: 2M-SMA-2.2

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
E01303090002	Berms	Curbing	7522-2r.JPG			X	
E01304020003	Channel/Swale	Concrete/Asphalt Channel/Swale	7522-1r.JPG	X	X		
E01306010004	Check Dam * 1	Rock Check Dam	11698-1r.JPG		X		X
E01306010005	Check Dam	Rock Check Dam	11698-1r.JPG		X		X

Comments

*1 Check dams installed for sediment control function.



Photo 11698-1r.JPG (taken 11/18/10) E01306010004 : Check Dam - Rock Check Dam; E01306010005 : Check Dam - Rock Check Dam.

PF: E013

SMA: 2M-SMA-2.2



Photo 7522-1r.JPG (taken 08/12/10) E01304020003 : Channel/Swale - Concrete/Asphalt Channel/Swale.



Photo 7522-2r.JPG (taken 08/12/10) E01303090002 : Berms - Curbing.

PF: H001

SMA: 3M-SMA-0.2

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
H00106010004	Check Dam	Rock Check Dam	7515-1r.JPG			X	X
H00106010002	Check Dam	Rock Check Dam	7515-2r.JPG		X		X
H00102020001	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7515-2r.JPG	X			

Comments

None applicable.



Photo 7515-1r.JPG (taken 08/12/10) H00106010004 : Check Dam - Rock Check Dam.

PF: H001

SMA: 3M-SMA-0.2



Photo 7515-2r.JPG (taken 08/12/10) H00102020001 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; H00106010002 : Check Dam - Rock Check Dam.

PF: J001

SMA: PJ-SMA-1.05

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	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
J00103060006	Berms	Straw Wattles	7501-6r.JPG		X		X
J00103060004	Berms	Straw Wattles	7501-6r.JPG		X		X
J00103060005	Berms	Straw Wattles	7501-6r.JPG		X		X
J00104060011	Channel/Swale	Rip Rap	7501-5r.JPG	X	X		
J00104050008	Channel/Swale	Water Bar	7501-1r.JPG	X	X		
J00104050009	Channel/Swale	Water Bar	7501-4r.JPG	X		X	
J00106010010	Check Dam	Rock Check Dam	7501-5r.JPG		X		X
J00102010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7501-3r.JPG	X			
J00101010007	Seed and Mulch	Seed and Wood Mulch	7501-2r.JPG	X	X		

Comments

None applicable.

PF: J001

SMA: PJ-SMA-1.05



Photo 7501-1r.JPG (taken 08/11/10) J00104050008 : Channel/Swale - Water Bar.



Photo 7501-2r.JPG (taken 08/11/10) J00101010007 : Seed and Mulch - Seed and Wood Mulch.

PF: J001

SMA: PJ-SMA-1.05



Photo 7501-3r.JPG (taken 08/11/10) J00102010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7501-4r.JPG (taken 08/11/10) J00104050009 : Channel/Swale - Water Bar.

PF: J001

SMA: PJ-SMA-1.05



Photo 7501-5r.JPG (taken 08/11/10) J00104060011 : Channel/Swale - Rip Rap; J00106010010 : Check Dam - Rock Check Dam.



Photo 7501-6r.JPG (taken 08/11/10) J00103060004 : Berms - Straw Wattles; J00103060005 : Berms - Straw Wattles; J00103060006 : Berms - Straw Wattles.

PF: J018

SMA: PJ-SMA-14.2

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
Established Vegetation	X		X	

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J01803120004	Berms	Rock Berm	7524-1r.JPG		X		X
J01802010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7524-3r.JPG	X			
J01802030002	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7524-2r.JPG	X		X	

Comments

None applicable.



Photo 7524-1r.JPG (taken 08/12/10) J01803120004 : Berms - Rock Berm.

PF: J018

SMA: PJ-SMA-14.2



Photo 7524-2r.JPG (taken 08/12/10) J01802030002 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.



Photo 7524-3r.JPG (taken 08/12/10) J01802010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: J019

SMA: PJ-SMA-14.3

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J01902010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7525-1r.JPG	X			
J01902030002	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7525-1r.JPG	X	X		X

Comments

None applicable.



Photo 7525-1r.JPG (taken 08/12/10) J01902010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J01902030002 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: J021

SMA: PJ-SMA-14.6

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J02106010004	Check Dam	Rock Check Dam	7526-3r.JPG			X	X
J02106010003	Check Dam	Rock Check Dam	7526-4r.JPG			X	X
J02102010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7526-2r.JPG	X			
J02102030002	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7526-1r.JPG	X	X		

Comments

None applicable.



Photo 7526-1r.JPG (taken 08/12/10) J02102030002 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: J021

SMA: PJ-SMA-14.6



Photo 7526-2r.JPG (taken 08/12/10) J02102010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7526-3r.JPG (taken 08/12/10) J02106010004 : Check Dam - Rock Check Dam.

PF: J021

SMA: PJ-SMA-14.6



Photo 7526-4r.JPG (taken 08/12/10) J02106010003 : Check Dam - Rock Check Dam.

PF: J023

SMA: PJ-SMA-16

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
J02303060002	Berms	Straw Wattles	7528-2r.JPG		X		X
J02302010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7528-1r.JPG	X			

Comments

None applicable.



Photo 7528-1r.JPG (taken 08/12/10) J02302010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: J023

SMA: PJ-SMA-16



Photo 7528-2r.JPG (taken 08/12/10) J02303060002 : Berms - Straw Wattles.

PF: J024

SMA: PJ-SMA-17

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J02404060007	Channel/Swale	Rip Rap	8507-3r.JPG	X	X		
J02404060006	Channel/Swale	Rip Rap	8507-2r.JPG	X	X		
J02406010004	Check Dam	Rock Check Dam	8507-1r.JPG			X	X
J02402010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8507-4r.JPG	X			
J02405010005	Sediment Traps and Basins	Sediment Trap	8507-4r.JPG		X		X

Comments

None applicable.



Photo 8507-1r.JPG (taken 08/20/10) J02406010004 : Check Dam - Rock Check Dam.

PF: J024

SMA: PJ-SMA-17



Photo 8507-2r.JPG (taken 08/20/10) J02404060006 : Channel/Swale - Rip Rap.



Photo 8507-3r.JPG (taken 08/20/10) J02404060007 : Channel/Swale - Rip Rap.

PF: J024

SMA: PJ-SMA-17



Photo 8507-4r.JPG (taken 08/20/10) J02402010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J02405010005 : Sediment Traps and Basins - Sediment Trap.

PF: J026

SMA: PJ-SMA-18

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			
Sediment Traps and Basins		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
J02604060007	Channel/Swale	Rip Rap	8504-4r.JPG	X	X		
J02606010006	Check Dam	Rock Check Dam	8504-1r.JPG		X		X
J02606010004	Check Dam	Rock Check Dam	8504-2r.JPG		X		X
J02602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8504-1r.JPG	X			
J02605010005	Sediment Traps and Bas	Sediment Trap	8504-3r.JPG		X		X
J02601060002	Seed and Mulch	Erosion Control Blanket	8504-1r.JPG	X	X		

Comments

None applicable.

PF: J026

SMA: PJ-SMA-18



Photo 8504-1r.JPG (taken 08/20/10) J02601060002 : Seed and Mulch - Erosion Control Blanket; J02602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J02606010006 : Check Dam - Rock Check Dam.



Photo 8504-2r.JPG (taken 08/20/10) J02606010004 : Check Dam - Rock Check Dam.

PF: J026

SMA: PJ-SMA-18



Photo 8504-3r.JPG (taken 08/20/10) J02605010005 : Sediment Traps and Basins - Sediment Trap.



Photo 8504-4r.JPG (taken 08/20/10) J02604060007 : Channel/Swale - Rip Rap.

PF: J025

SMA: PJ-SMA-19

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J02504020004	Channel/Swale	Concrete/Asphalt Channel/Swale	8505-3r.JPG	X		X	
J02504020006	Channel/Swale	Concrete/Asphalt Channel/Swale	8505-4r.JPG	X		X	
J02504060010	Channel/Swale	Rip Rap	8505-5r.JPG	X	X		
J02506010009	Check Dam	Rock Check Dam	8505-5r.JPG		X		X
J02506010005	Check Dam	Rock Check Dam	8505-1r.JPG		X		X
J02506010007	Check Dam	Rock Check Dam	8505-6r.JPG		X		X
J02506010008	Check Dam	Rock Check Dam	8505-6r.JPG		X		X
J02502010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8505-1r.JPG	X			
J02507010001	Gabions	Gabions	8505-2r.JPG		X		X
J02505020002	Sediment Traps and Bas	Sediment Basin	8505-1r.JPG		X		X

Comments

None applicable.

PF: J025

SMA: PJ-SMA-19

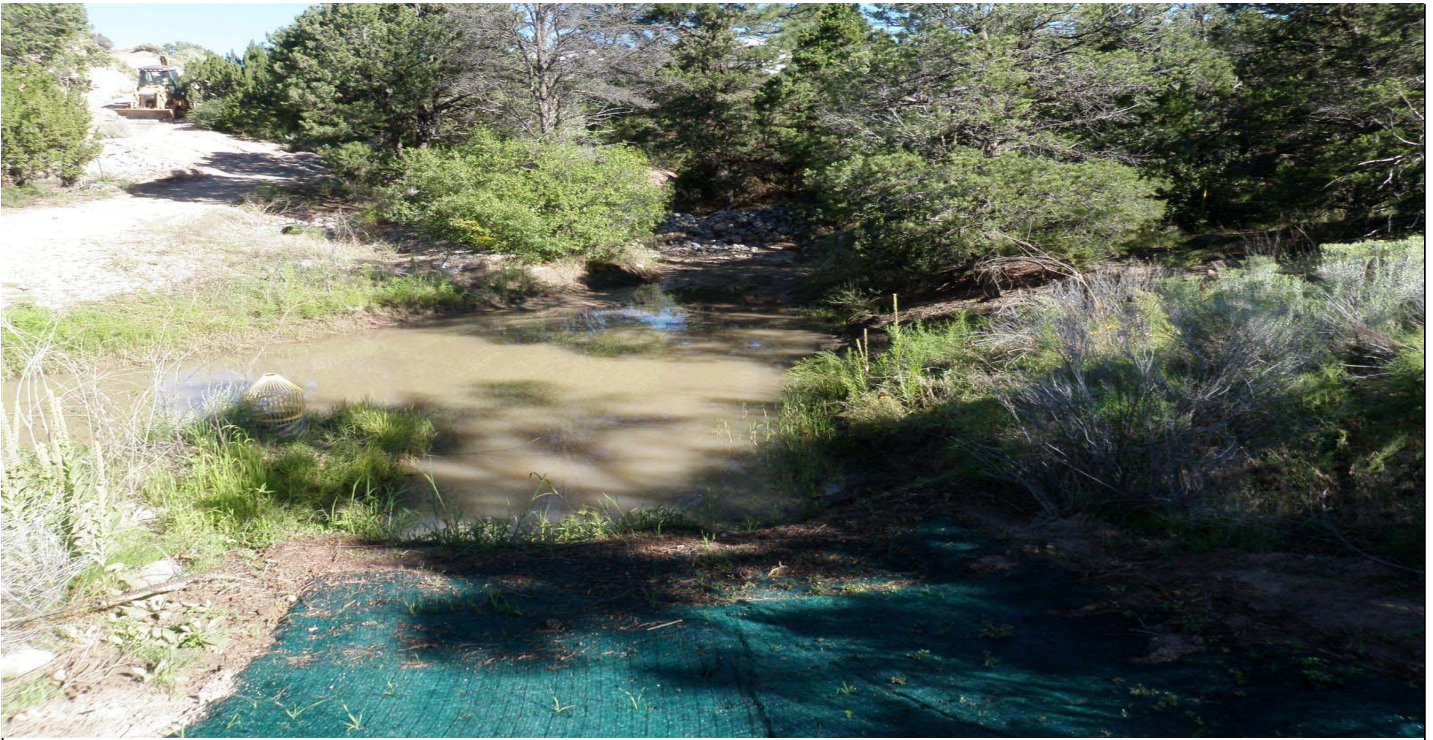


Photo 8505-1r.JPG (taken 08/20/10) J02502010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J02505020002 : Sediment Traps and Basins - Sediment Basin; J02506010005 : Check Dam - Rock Check Dam.



Photo 8505-2r.JPG (taken 08/20/10) J02507010001 : Gabions - Gabions.

PF: J025

SMA: PJ-SMA-19



Photo 8505-3r.JPG (taken 08/20/10) J02504020004 : Channel/Swale - Concrete/Asphalt Channel/Swale.



Photo 8505-4r.JPG (taken 08/20/10) J02504020006 : Channel/Swale - Concrete/Asphalt Channel/Swale.

PF: J025

SMA: PJ-SMA-19



Photo 8505-5r.JPG (taken 08/20/10) J02504060010 : Channel/Swale - Rip Rap; J02506010009 : Check Dam - Rock Check Dam.



Photo 8505-6r.JPG (taken 08/20/10) J02506010007 : Check Dam - Rock Check Dam; J02506010008 : Check Dam - Rock Check Dam.

PF: J002

SMA: PJ-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
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
J00203010009	Berms	Earthen Berm	7503-2r.JPG			X	X
J00203010008	Berms	Earthen Berm	7503-1r.JPG			X	X
J00203010007	Berms	Earthen Berm	7503-5r.JPG			X	X
J00203010006	Berms	Earthen Berm	7503-6r.JPG			X	X
J00206010014	Check Dam	Rock Check Dam	7503-4r.JPG		X		X
J00202020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7503-3r.JPG	X			
J00202010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7503-3r.JPG	X			
J00201060013	Seed and Mulch	Erosion Control Blanket	7503-5r.JPG	X		X	
J00201060012	Seed and Mulch	Erosion Control Blanket	7503-6r.JPG	X		X	
J00201060011	Seed and Mulch	Erosion Control Blanket	7503-2r.JPG	X		X	
J00201060010	Seed and Mulch	Erosion Control Blanket	7503-1r.JPG	X		X	

Comments

None applicable.

PF: J002

SMA: PJ-SMA-2



Photo 7503-1r.JPG (taken 08/11/10) J00201060010 : Seed and Mulch - Erosion Control Blanket; J00203010008 : Berms - Earthen Berm.



Photo 7503-2r.JPG (taken 08/11/10) J00201060011 : Seed and Mulch - Erosion Control Blanket; J00203010009 : Berms - Earthen Berm.

PF: J002

SMA: PJ-SMA-2



Photo 7503-3r.JPG (taken 08/11/10) J00202010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J00202020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.



Photo 7503-4r.JPG (taken 08/11/10) J00206010014 : Check Dam - Rock Check Dam.

PF: J002

SMA: PJ-SMA-2



Photo 7503-5r.JPG (taken 08/11/10) J00201060013 : Seed and Mulch - Erosion Control Blanket; J00203010007 : Berms - Earthen Berm.



Photo 7503-6r.JPG (taken 08/11/10) J00201060012 : Seed and Mulch - Erosion Control Blanket; J00203010006 : Berms - Earthen Berm.

PF: J004

SMA: PJ-SMA-4.05

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
J00403060004	Berms	Straw Wattles	7502-1r.JPG			X	X
J00403060005	Berms	Straw Wattles	7502-1r.JPG			X	X
J00403060003	Berms	Straw Wattles	7502-1r.JPG			X	X
J00406010006	Check Dam	Rock Check Dam	7502-2r.JPG		X		X
J00402010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7502-3r.JPG	X			

Comments

None applicable.



Photo 7502-1r.JPG (taken 08/11/10) J00403060003 : Berms - Straw Wattles; J00403060004 : Berms - Straw Wattles; J00403060005 : Berms - Straw Wattles.

PF: J004

SMA: PJ-SMA-4.05



Photo 7502-2r.JPG (taken 08/11/10) J00406010006 : Check Dam - Rock Check Dam.



Photo 7502-3r.JPG (taken 08/11/10) J00402010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: J005

SMA: PJ-SMA-5

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J00503060002	Berms	Straw Wattles	7506-2r.JPG			X	X
J00504010003	Channel/Swale	Earthen Channel/Swale	7506-4r.JPG	X		X	
J00506030004	Check Dam	Juniper Bales	7506-4r.JPG			X	X
J00506030007	Check Dam	Juniper Bales	7506-6r.JPG			X	X
J00506010011	Check Dam	Rock Check Dam	7506-5r.JPG		X		X
J00506010010	Check Dam	Rock Check Dam	7506-3r.JPG			X	X
J00506010012	Check Dam	Rock Check Dam	7506-5r.JPG		X		X
J00506010008	Check Dam	Rock Check Dam	7506-1r.JPG			X	X
J00506010009	Check Dam	Rock Check Dam	7506-1r.JPG			X	X
J00502010006	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7506-6r.JPG	X			

Comments

None applicable.

PF: J005

SMA: PJ-SMA-5



Photo 7506-1r.JPG (taken 08/11/10) J00506010008 : Check Dam - Rock Check Dam; J00506010009 : Check Dam - Rock Check Dam.



Photo 7506-2r.JPG (taken 08/11/10) J00503060002 : Berms - Straw Wattles.

PF: J005

SMA: PJ-SMA-5



Photo 7506-3r.JPG (taken 08/11/10) J00506010010 : Check Dam - Rock Check Dam.



Photo 7506-4r.JPG (taken 08/11/10) J00504010003 : Channel/Swale - Earthen Channel/Swale; J00506030004 : Check Dam - Juniper Bales.

PF: J005

SMA: PJ-SMA-5



Photo 7506-5r.JPG (taken 08/11/10) J00506010011 : Check Dam - Rock Check Dam; J00506010012 : Check Dam - Rock Check Dam.



Photo 7506-6r.JPG (taken 08/11/10) J00502010006 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J00506030007 : Check Dam - Juniper Bales.

PF: J007

SMA: PJ-SMA-6

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J00706030008	Check Dam	Juniper Bales	7509-1r.JPG			X	X
J00706010002	Check Dam	Rock Check Dam	7509-1r.JPG			X	X
J00706010003	Check Dam	Rock Check Dam	7509-1r.JPG			X	X
J00706010004	Check Dam	Rock Check Dam	7509-1r.JPG			X	X
J00706010005	Check Dam	Rock Check Dam	7509-5r.JPG		X		X
J00706010006	Check Dam	Rock Check Dam	7509-4r.JPG		X		X
J00706010007	Check Dam	Rock Check Dam	7509-3r.JPG		X		X
J00702010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7509-2r.JPG	X			

Comments

None applicable.

PF: J007

SMA: PJ-SMA-6



Photo 7509-1r.JPG (taken 08/12/10) J00706010002 : Check Dam - Rock Check Dam; J00706010003 : Check Dam - Rock Check Dam; J00706010004 : Check Dam - Rock Check Dam; J00706030008 : Check Dam - Juniper Bales.



Photo 7509-2r.JPG (taken 08/12/10) J00702010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: J007

SMA: PJ-SMA-6



Photo 7509-3r.JPG (taken 08/12/10) J00706010007 : Check Dam - Rock Check Dam.



Photo 7509-4r.JPG (taken 08/12/10) J00706010006 : Check Dam - Rock Check Dam.

PF: J007

SMA: PJ-SMA-6



Photo 7509-5r.JPG (taken 08/12/10) J00706010005 : Check Dam - Rock Check Dam.

PF: J008

SMA: PJ-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
Channel/Swale	X		X	
Established Vegetation	X			
Seed and Mulch	X	X		

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J00803010004	Berms	Earthen Berm	7508-1r.JPG		X		X
J00804040003	Channel/Swale	Culvert	7508-2r.JPG	X		X	
J00804010002	Channel/Swale	Earthen Channel/Swale	7508-3r.JPG	X		X	
J00802010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7508-4r.JPG	X			
J00801060005	Seed and Mulch	Erosion Control Blanket	7508-1r.JPG	X	X		

Comments

None applicable.



Photo 7508-1r.JPG (taken 08/12/10) J00801060005 : Seed and Mulch - Erosion Control Blanket; J00803010004 : Berms - Earthen Berm.

PF: J008

SMA: PJ-SMA-7



Photo 7508-2r.JPG (taken 08/12/10) J00804040003 : Channel/Swale - Culvert.



Photo 7508-3r.JPG (taken 08/12/10) J00804010002 : Channel/Swale - Earthen Channel/Swale.

PF: J008

SMA: PJ-SMA-7



Photo 7508-4r.JPG (taken 08/12/10) J00802010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.

PF: J009

SMA: PJ-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
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
J00903010009	Berms	Earthen Berm	7510-3r.JPG		X		X
J00903010006	Berms	Earthen Berm	7510-2r.JPG		X		X
J00904020005	Channel/Swale	Concrete/Asphalt Channel/Swale	7510-1r.JPG	X		X	
J00904060001	Channel/Swale	Rip Rap	7510-1r.JPG	X		X	
J00906010002	Check Dam	Rock Check Dam	7510-1r.JPG			X	X
J00906010004	Check Dam	Rock Check Dam	7510-1r.JPG			X	X
J00902010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7510-2r.JPG	X			
J00901060008	Seed and Mulch	Erosion Control Blanket	7510-2r.JPG	X	X		
J00901060007	Seed and Mulch	Erosion Control Blanket	7510-3r.JPG	X	X		

Comments

None applicable.

PF: J009

SMA: PJ-SMA-8



Photo 7510-1r.JPG (taken 08/12/10) J00904020005 : Channel/Swale - Concrete/Asphalt Channel/Swale; J00904060001 : Channel/Swale - Rip Rap; J00906010002 : Check Dam - Rock Check Dam; J00906010004 : Check Dam - Rock Check Dam.



Photo 7510-2r.JPG (taken 08/12/10) J00901060008 : Seed and Mulch - Erosion Control Blanket; J00902010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J00903010006 : Berms - Earthen Berm.

PF: J009

SMA: PJ-SMA-8



Photo 7510-3r.JPG (taken 08/12/10) J00901060007 : Seed and Mulch - Erosion Control Blanket; J00903010009 : Berms - Earthen Berm.

PF: J010

SMA: PJ-SMA-9

Baseline Control Measures Required :

Type of Control Measure	Erosion Control (EC)	Run-Off Control (ROF)	Run-On Control (RON)	Sediment Control (SC)
Berms		X		X
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
J01003010002	Berms	Earthen Berm	7511-2r.JPG		X		X
J01004060001	Channel/Swale	Rip Rap	7511-3r.JPG	X		X	
J01006010008	Check Dam	Rock Check Dam	7511-1r.JPG			X	X
J01006010006	Check Dam	Rock Check Dam	7511-4r.JPG		X		X
J01006010007	Check Dam	Rock Check Dam	7511-3r.JPG			X	X
J01006010009	Check Dam	Rock Check Dam	7511-1r.JPG			X	X
J01002010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7511-2r.JPG	X			

Comments

None applicable.

PF: J010

SMA: PJ-SMA-9



Photo 7511-1r.JPG (taken 08/12/10) J01006010008 : Check Dam - Rock Check Dam; J01006010009 : Check Dam - Rock Check Dam.



Photo 7511-2r.JPG (taken 08/12/10) J01002010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J01003010002 : Berms - Earthen Berm.

PF: J010

SMA: PJ-SMA-9



Photo 7511-3r.JPG (taken 08/12/10) J01004060001 : Channel/Swale - Rip Rap; J01006010007 : Check Dam - Rock Check Dam.



Photo 7511-4r.JPG (taken 08/12/10) J01006010006 : Check Dam - Rock Check Dam.

PF: J028

SMA: STRM-SMA-1.05

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
J02804060006	Channel/Swale	Rip Rap	7497-5r.JPG	X	X		
J02806010005	Check Dam	Rock Check Dam	7497-4r.JPG			X	X
J02806010001	Check Dam	Rock Check Dam	7497-1r.JPG			X	X
J02806010004	Check Dam	Rock Check Dam	7497-3r.JPG			X	X
J02802010002	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7497-2r.JPG	X			
J02802030003	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7497-1r.JPG	X		X	

Comments

None applicable.

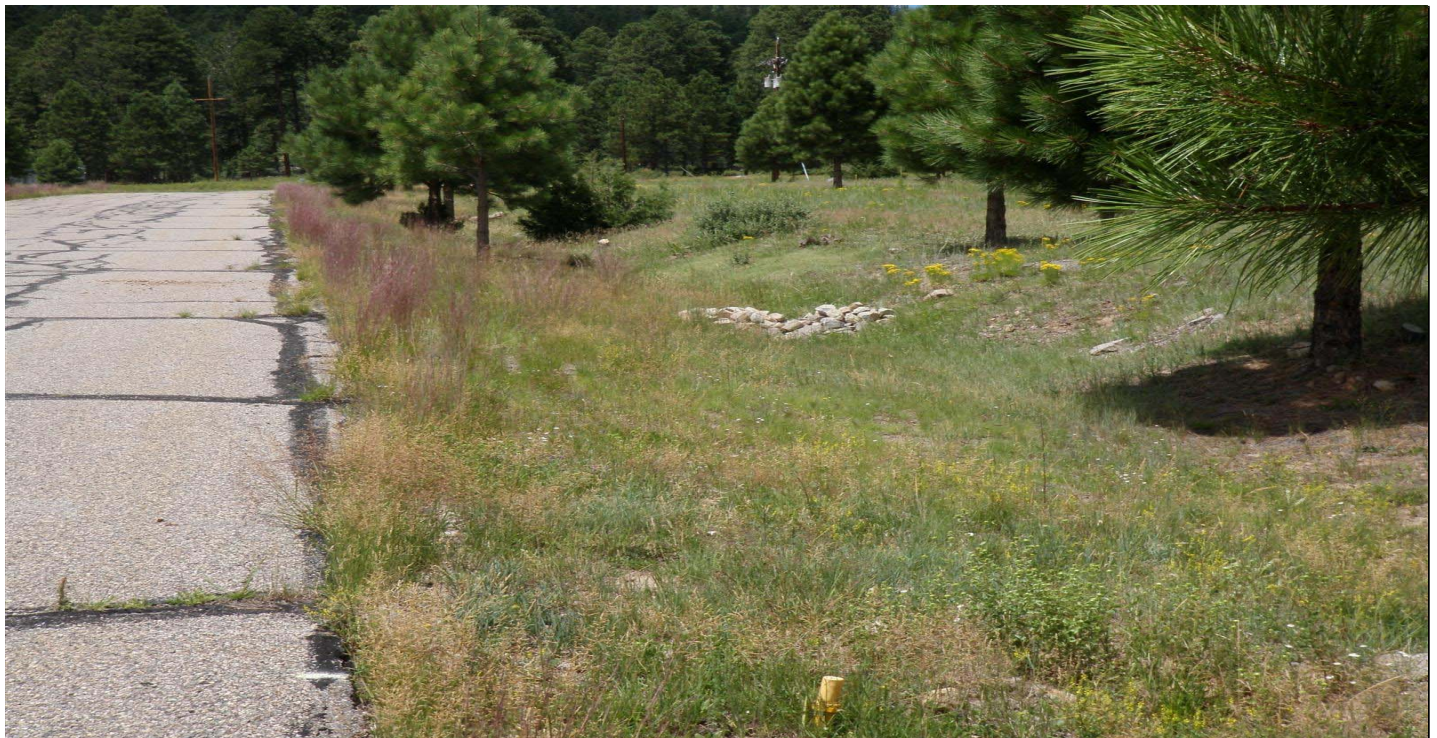


Photo 7497-1r.JPG (taken 08/11/10) J02802030003 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip; J02806010001 : Check Dam - Rock Check Dam.

PF: J028

SMA: STRM-SMA-1.05



Photo 7497-2r.JPG (taken 08/11/10) J02802010002 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7497-3r.JPG (taken 08/11/10) J02806010004 : Check Dam - Rock Check Dam.

PF: J028

SMA: STRM-SMA-1.05



Photo 7497-4r.JPG (taken 08/11/10) J02806010005 : Check Dam - Rock Check Dam.



Photo 7497-5r.JPG (taken 08/11/10) J02804060006 : Channel/Swale - Rip Rap.

PF: J029

SMA: STRM-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	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
J02903060005	Berms	Straw Wattles	7498-1r.JPG			X	X
J02903060006	Berms	Straw Wattles	7498-1r.JPG			X	X
J02903060004	Berms	Straw Wattles	7498-1r.JPG			X	X
J02903060003	Berms	Straw Wattles	7498-2r.JPG		X		X
J02902020002	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7498-2r.JPG	X			
J02902010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7498-1r.JPG	X			
J02901010007	Seed and Mulch	Seed and Wood Mulch	7498-1r.JPG	X		X	

Comments

None applicable.

PF: J029

SMA: STRM-SMA-1.5



Photo 7498-1r.JPG (taken 08/11/10) J02901010007 : Seed and Mulch - Seed and Wood Mulch; J02902010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J02903060004 : Berms - Straw Wattles; J02903060005 : Berms - Straw Wattles; J02903060006 : Berms - Straw Wattles.



Photo 7498-2r.JPG (taken 08/11/10) J02902020002 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; J02903060003 : Berms - Straw Wattles.

PF: J030

SMA: STRM-SMA-4.2

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
J03003010003	Berms	Earthen Berm	7499-2r.JPG		X		X
J03004010002	Channel/Swale	Earthen Channel/Swale	7499-1r.JPG	X		X	
J03002010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7499-2r.JPG	X			

Comments

None applicable.



Photo 7499-1r.JPG (taken 08/11/10) J03004010002 : Channel/Swale - Earthen Channel/Swale.

PF: J030

SMA: STRM-SMA-4.2



Photo 7499-2r.JPG (taken 08/11/10) J03002010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; J03003010003 : Berms - Earthen Berm.

PF: J031

SMA: STRM-SMA-5.05

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
J03103020004	Berms	Base Course Berm	7500-3r.JPG		X		X
J03103050005	Berms	Silt Dike	7500-4r.JPG		X		X
J03103050006	Berms	Silt Dike	7500-1r.JPG			X	X
J03103060007	Berms	Straw Wattles	7500-4r.JPG		X		X
J03102010003	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7500-2r.JPG	X			

Comments

None applicable.



Photo 7500-1r.JPG (taken 08/11/10) J03103050006 : Berms - Silt Dike.

PF: J031

SMA: STRM-SMA-5.05



Photo 7500-2r.JPG (taken 08/11/10) J03102010003 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.



Photo 7500-3r.JPG (taken 08/11/10) J03103020004 : Berms - Base Course Berm.

PF: J031

SMA: STRM-SMA-5.05



Photo 7500-4r.JPG (taken 08/11/10) J03103050005 : Berms - Silt Dike; J03103060007 : Berms - Straw Wattles.

ENCLOSURE 5

**Certification of Completion of Baseline Control Measures
for 4 Site Monitoring Areas in the
Water / Cañon de Valle Watershed**

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

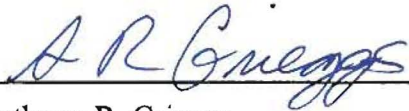
**CERTIFICATION OF COMPLETION OF BASELINE CONTROL MEASURE IMPLEMENTATION
AT THE FOLLOWING PERMITTED FEATURES / SITE MONITORING AREAS**

NPDES Permit No. NM0030759

PERMITTED FEATURE	SITE MONITORING AREA
I005	PT-SMA-3
I007	PT-SMA-4.2
W001	W-SMA-1
W014	W-SMA-9.5

**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."



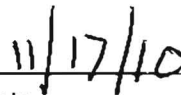
Anthony R. Grieggs
Group Leader, ENV-RCRA
Environmental Protection Division
Los Alamos National Laboratory



Date



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



Date

PF: I005

SMA: PT-SMA-3

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
I00504040005	Channel/Swale	Culvert	7595-1r.JPG	X		X	
I00504060004	Channel/Swale	Rip Rap	7595-3r.JPG	X		X	
I00506010006	Check Dam	Rock Check Dam	7595-2r.JPG		X		X

Comments

None applicable.



Photo 7595-1r.JPG (taken 08/13/10) I00504040005 : Channel/Swale - Culvert.

PF: I005

SMA: PT-SMA-3



Photo 7595-2r.JPG (taken 08/13/10) I00506010006 : Check Dam - Rock Check Dam.



Photo 7595-3r.JPG (taken 08/13/10) I00504060004 : Channel/Swale - Rip Rap.

PF: I007

SMA: PT-SMA-4.2

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
I00704040005	Channel/Swale	Culvert	7596-1r.JPG	X		X	
I00704060002	Channel/Swale	Rip Rap	7596-4r.JPG	X	X		
I00704060003	Channel/Swale	Rip Rap	7596-3r.JPG	X		X	
I00706010004	Check Dam	Rock Check Dam	7596-2r.JPG			X	X
I00702020006	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7596-5r.JPG	X			
I00702010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7596-5r.JPG	X			

Comments

None applicable.



Photo 7596-1r.JPG (taken 08/13/10) I00704040005 : Channel/Swale - Culvert.

PF: I007

SMA: PT-SMA-4.2



Photo 7596-2r.JPG (taken 08/13/10) I00706010004 : Check Dam - Rock Check Dam.



Photo 7596-3r.JPG (taken 08/13/10) I00704060003 : Channel/Swale - Rip Rap.

PF: I007

SMA: PT-SMA-4.2



Photo 7596-4r.JPG (taken 08/13/10) I00704060002 : Channel/Swale - Rip Rap.



Photo 7596-5r.JPG (taken 08/13/10) I00702010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; I00702020006 : Established Vegetation - Permanent Vegetation Forested/Needle Cast.

PF: W001

SMA: W-SMA-1

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
W00104060001	Channel/Swale	Rip Rap	7594-3r.JPG	X		X	
W00104060011	Channel/Swale	Rip Rap	7594-2r.JPG	X		X	
W00106010009	Check Dam	Rock Check Dam	7594-1r.JPG		X		X
W00106010010	Check Dam	Rock Check Dam	7594-1r.JPG		X		X
W00106010002	Check Dam	Rock Check Dam	7594-5r.JPG		X		X
W00106010008	Check Dam	Rock Check Dam	7594-1r.JPG		X		X
W00106010003	Check Dam	Rock Check Dam	7594-4r.JPG		X		X
W00102020004	Established Vegetation	Permanent Vegetation Forested/Needle Cast	7594-4r.JPG	X			
W00102010005	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7594-4r.JPG	X			

Comments

None applicable.

PF: W001

SMA: W-SMA-1



Photo 7594-1r.JPG (taken 08/13/10) W00106010008 : Check Dam - Rock Check Dam; W00106010009 : Check Dam - Rock Check Dam; W00106010010 : Check Dam - Rock Check Dam.



Photo 7594-2r.JPG (taken 08/13/10) W00104060011 : Channel/Swale - Rip Rap.

PF: W001

SMA: W-SMA-1



Photo 7594-3r.JPG (taken 08/13/10) W00104060001 : Channel/Swale - Rip Rap.



Photo 7594-4r.JPG (taken 08/13/10) W00102010005 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; W00102020004 : Established Vegetation - Permanent Vegetation Forested/Needle Cast; W00106010003 : Check Dam - Rock Check Dam.

PF: W001

SMA: W-SMA-1



Photo 7594-5r.JPG (taken 08/13/10) W00106010002 : Check Dam - Rock Check Dam.

PF: W014

SMA: W-SMA-9.5

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
W01403060004	Berms	Straw Wattles	10874-3r.JPG			X	X
W01403060005	Berms	Straw Wattles	10874-1r.JPG			X	X
W01403060003	Berms	Straw Wattles	10874-2r.JPG		X		X
W01403060002	Berms	Straw Wattles	10874-4r.JPG		X		X
W01402010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	10874-4r.JPG	X			

Comments

None applicable.



Photo 10874-1r.JPG (taken 10/07/10) W01403060005 : Berms - Straw Wattles.

PF: W014

SMA: W-SMA-9.5



Photo 10874-2r.JPG (taken 10/07/10) W01403060003 : Berms - Straw Wattles.



Photo 10874-3r.JPG (taken 10/07/10) W01403060004 : Berms - Straw Wattles.

PF: W014

SMA: W-SMA-9.5



Photo 10874-4r.JPG (taken 10/07/10) W01402010001 : Established Vegetation - Permanent Vegetation
Grasses and Shrubs; W01403060002 : Berms - Straw Wattles.

ENCLOSURE 6

**Certification of Completion of Baseline Control Measures
for 2 Site Monitoring Areas in the
Ancho Watershed**

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

**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
A001	A-SMA-1.1
A006	A-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: A001

SMA: A-SMA-1.1

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
A00103010005	Berms	Earthen Berm	7345-2.JPG			X	X
A00102030001	Established Vegetation	Permanent Vegetation Vegetative Buffer Strip	7345-1.JPG	X	X		

Comments

None applicable.



Photo 7345-1.JPG (taken 07/26/10) A00102030001 : Established Vegetation - Permanent Vegetation Vegetative Buffer Strip.

PF: A001

SMA: A-SMA-1.1



Photo 7345-2.JPG (taken 07/26/10) A00103010005 : Berms - Earthen Berm.

PF: A006

SMA: A-SMA-3

Baseline Control Measures Required :

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

Baseline Control Measures Installed :

BMP ID	Type of Control Measure	Control Measure	Photo ID	EC	ROF	RON	SC
A00603010004	Berms	Earthen Berm	8791-6r.JPG			X	X
A00604010008	Channel/Swale	Earthen Channel/Swale	8791-3r.JPG	X	X		
A00604010006	Channel/Swale	Earthen Channel/Swale	8791-2r.JPG	X	X		
A00604010007	Channel/Swale	Earthen Channel/Swale	8791-4r.JPG	X	X		
A00604060002	Channel/Swale	Rip Rap	8791-1r.JPG	X		X	
A00606010012	Check Dam	Rock Check Dam	8791-5r.JPG				X
A00606010003	Check Dam	Rock Check Dam	8791-3r.JPG		X		X
A00606010009	Check Dam	Rock Check Dam	8791-2r.JPG		X		X
A00606010010	Check Dam	Rock Check Dam	8791-5r.JPG				X
A00606010011	Check Dam	Rock Check Dam	8791-5r.JPG				X
A00602010001	Established Vegetation	Permanent Vegetation Grasses and Shrubs	8791-5r.JPG	X			

Comments

None applicable.

PF: A006

SMA: A-SMA-3



Photo 8791-1r.JPG (taken 09/07/10) A00604060002 : Channel/Swale - Rip Rap.



Photo 8791-2r.JPG (taken 09/07/10) A00604010006 : Channel/Swale - Earthen Channel/Swale; A00606010009 : Check Dam - Rock Check Dam.

PF: A006

SMA: A-SMA-3



Photo 8791-3r.JPG (taken 09/07/10) A00604010008 : Channel/Swale - Earthen Channel/Swale; A00606010003 : Check Dam - Rock Check Dam.



Photo 8791-4r.JPG (taken 09/07/10) A00604010007 : Channel/Swale - Earthen Channel/Swale.

PF: A006

SMA: A-SMA-3



Photo 8791-5r.JPG (taken 09/07/10) A00602010001 : Established Vegetation - Permanent Vegetation Grasses and Shrubs; A00606010010 : Check Dam - Rock Check Dam; A00606010011 : Check Dam - Rock Check Dam; A00606010012 : Check Dam - Rock Check Dam.



Photo 8791-6r.JPG (taken 09/07/10) A00603010004 : Berms - Earthen Berm.

ENCLOSURE 7

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

December 1, 2010

ENV-RCRA-10-218

LA-UR-10-07681

[This page intentionally blank.]

**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
Q008	CHQ-SMA-5.05

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

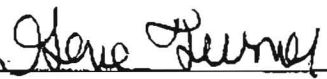
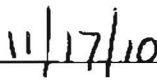
NPDES Permit No. NM0030759

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: Q008

SMA: CHQ-SMA-5.05

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	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
Q00803020006	Berms	Base Course Berm	7356-1.JPG		X		X
Q00804060002	Channel/Swale	Rip Rap	7356-4.JPG	X	X		
Q00804060007	Channel/Swale	Rip Rap	7356-2.JPG	X	X		
Q00804060005	Channel/Swale	Rip Rap	7356-3.JPG	X		X	
Q00806010003	Check Dam	Rock Check Dam	7356-5.JPG		X		X
Q00802010004	Established Vegetation	Permanent Vegetation Grasses and Shrubs	7356-6.JPG	X			

Comments

None applicable.

PF: Q008

SMA: CHQ-SMA-5.05



Photo 7356-1.JPG (taken 07/27/10) Q00803020006 : Berms - Base Course Berm.



Photo 7356-2.JPG (taken 07/27/10) Q00804060007 : Channel/Swale - Rip Rap.

PF: Q008

SMA: CHQ-SMA-5.05



Photo 7356-3.JPG (taken 07/27/10) Q00804060005 : Channel/Swale - Rip Rap.



Photo 7356-4.JPG (taken 07/27/10) Q00804060002 : Channel/Swale - Rip Rap.

PF: Q008

SMA: CHQ-SMA-5.05



Photo 7356-5.JPG (taken 07/27/10) Q00806010003 : Check Dam - Rock Check Dam.



Photo 7356-6.JPG (taken 07/27/10) Q00802010004 : Established Vegetation - Permanent Vegetation Grasses and Shrubs.