

STATUS REPORT

NPDES PERMIT No. NM0030759

SITE DISCHARGE POLLUTION PREVENTION PLAN VOLUME 2

SANDIA/MORTANDAD WATERSHED AGGREGATE



Reporting Period: July 1, 2011 – July 31, 2011

LA-UR-11-11623

I. OVERVIEW

The Status Report for the Individual Permit (STRIP) summarizes work conducted at Sites permitted and reported in the Site Discharge Pollution Prevention Plan, Volume 2 (V2 SDPPP), Sandia/Mortandad Watershed Aggregate area and is prepared in partial fulfillment of requirements set forth in NPDES Permit No. NM0030759 (IP or Permit). The V2 STRIP is one of five documents summarizing ongoing activities that will be reflected in the annual update to the V2 SDPPP. Within the V2 SDPPP, there are 119 Sites monitored in 64 Permitted Features.

II. CONTROL ACTIVITIES

PREVENTATIVE MAINTENANCE INSPECTIONS

Following the completion of control installations and the certification of this work, preventative maintenance inspections (PMIs) were conducted in preparation for the 2011 season. These inspections were voluntary inspections conducted prior to the significant precipitation typically experienced in the latter months of the field season.

PMIs conducted, associated reference numbers, and related maintenance actions, as applicable, are summarized in sections below.

PREVENTATIVE MAINTENANCE INSPECTIONS CONDUCTED

In the V2 STRIP, 41 PMI inspections have been conducted for the reporting period, thus completing the PMI effort. Appendix A provides the summary details of these inspections, inspection findings, and the corresponding reference numbers for the individual inspection reports.

PREVENTATIVE REPAIR AND REPLACEMENT

Of the 41 PMIs conducted, none of the inspections noted repair or replacement needed. One maintenance action was conducted on arrival or at the time of inspection.

ADDITIONAL CONTROL INSTALLATIONS

Based on the results of early informal field reviews, additional controls have been installed at five SMAs within the V2 STRIP in July of 2011.

Table II.A Additional Controls at Sites in V2 STRIP

SMA	Additional Control(s)	Install Date
S-SMA-3.52	S005A-03-01-0004 Earthen Berm	7/13/2011
S-SMA-3.71	S008-03-01-0013 Earthen Berm	7/22/2011
	S008-03-01-0014 Earthen Berm	
	S008-01-03-0015 Hydromulch	
S-SMA-3.72	S009-03-01-0009 Earthen Berm	7/28/2011
	S009-03-01-0010 Earthen Berm	
	S009-01-03-0011 Hydromulch	
M-SMA-12.9	M020-03-01-0008 Earthen Berm	7/29/2011
	M020-01-03-0009 Hydromulch	
M-SMA-13	M022-03-01-0013 Earthen Berm	7/28/2011

CORRECTIVE ACTION PLANNING

Planning for corrective action responses have begun at all high priority Sites within the V2 STRIP.

ADVERSE WEATHER

An adverse weather event occurred beginning Sunday, June 26, 2011. All work

associated with the IP project was interrupted from June 27 through July 7, 2011 due to the Las Conchas fire. This event mandated the evacuation of Los Alamos and prompted the subsequent closure of the Laboratory. Work resumed at the Laboratory on July 7 although many areas were still inaccessible due to the proximity of the fire.

III. CONFIRMATION ACTIVITIES

PRECIPITATION

During the field season (April 1 – November 30), the IP project monitors precipitation through a network of 17 rain gages mapped to specific areas across the Complex. Within the V2 STRIP, 7 precipitation gages monitor and report precipitation activity. These gages and the activity for the reporting period are shown in the table below. For the reporting period, there were three (3) days where qualifying storm events were recorded or events with precipitation intensity of 0.25” in thirty minutes.

Table III.A Precipitation Activity for Reporting Period

Rain Gage	Related SMAs	Qualifying Storm Events	Storm Event Inspections
RG-TA-06	2	0	0
RG-TA-53	5	07-28-2011	5
RG-TA-54	1	07-29-2011 07-30-2011	1
RG121.9	13	0	0
RG200.5	23	0	0
RG203	12	07-28-2011 07-29-2011	12
RG245.5	8	07-28-2011 07-29-2011 07-30-2011	8

STORM EVENT INSPECTIONS

No storm-event inspections were conducted in the V2 STRIP aggregate area through the period ending July 31, 2011; however, the storm-event inspections for recorded storm events were conducted in early August, 2011. Details of these inspections are provided in Appendix B.

SAMPLES COLLECTED

Six confirmation samples have been collected at Sites/SMAs within the V2 STRIP for the reporting period. The SMAs, the date samples were collected, and analysis requested for these samples is presented in Appendix C.

RESULTS OF STORM WATER MONITORING

There were no validated analytical results of storm water monitoring samples received during the reporting period.

VISUAL INSPECTIONS

No Visual Inspections have been required or conducted at Sites/SMAs within the V2 STRIP for the reporting period.

IV. CERTIFICATION ACTIVITIES

CERTIFICATES OF COMPLETION UNDER NMED CONSENT ORDER

Sites monitored under the IP are in some stage of investigation under the Consent Order issued by the New Mexico Environment Department (NMED). At the conclusion of extensive investigation, and/or remediation, and reporting, the NMED issues a Certificate of Completion of Corrective Action under the Consent Order. Sites that have received such certifications from NMED have been thoroughly investigated and have met the standards set by the collective parties under this agreement.

No additional Certificates of Completion under the Consent Order have been issued by the New Mexico Environment Department for Sites within the V2 STRIP during this reporting period.

COMPLETION OF CORRECTIVE ACTION

Completions of corrective action under NMED's Consent Order were certified pursuant to Part 1.E.2 (d) for 3 Sites within the V2 STRIP as provided in the [Individual Permit Annual Report](#).

These Sites will continue to be monitored according to the requirements specified in the Permit until the Sites can be formally petitioned for removal from the IP.

DELETION FROM PERMIT

Currently there are no Sites/SMAs meeting the criteria for deletion from the Permit.

APPENDIX A

PREVENTATIVE MAINTENANCE INSPECTION SUMMARY

SMA	DATE INSPECTED	FINDINGS	INSPECTION REFERENCE	MAINTENANCE CONDUCTED	DATE MAINTENANCE CONDUCTED	MAINTENANCE REFERENCE
S-SMA-0.25	7/8/11	All Controls Operating Effectively	BMP-14028	None	Not Applicable	None
S-SMA-1.1	7/8/11	All Controls Operating Effectively	BMP-14027	None	Not Applicable	None
S-SMA-2	7/11/11	All Controls Operating Effectively	BMP-14026	None	Not Applicable	None
S-SMA-2.01	7/7/11	All Controls Operating Effectively	BMP-14025	None	Not Applicable	None
S-SMA-2.8	7/11/11	All Controls Operating Effectively	BMP-14024	None	Not Applicable	None
S-SMA-3.51	7/11/11	All Controls Operating Effectively	BMP-14023	None	Not Applicable	None
S-SMA-3.52	7/11/11	All Controls Operating Effectively	BMP-14022	None	Not Applicable	None
S-SMA-3.53	7/11/11	All Controls Operating Effectively	BMP-14021	None	Not Applicable	None
S-SMA-3.6	7/7/11	All Controls Operating Effectively	BMP-14020	None	Not Applicable	None
S-SMA-3.7	7/7/11	All Controls Operating Effectively	BMP-14019	None	Not Applicable	None
S-SMA-3.71	7/7/11	All Controls Operating Effectively	BMP-14018	None	Not Applicable	None
S-SMA-3.72	7/7/11	All Controls Operating Effectively	BMP-14017	None	Not Applicable	None
S-SMA-3.95	7/7/11	Floatable garbage observed on site.	BMP-14016	Picked up floatable debris during inspection.	7/7/11	BMP-14016
S-SMA-4.1	7/7/11	All Controls Operating Effectively	BMP-14015	None	Not Applicable	None
S-SMA-4.5	7/7/11	All Controls Operating Effectively	BMP-14014	None	Not Applicable	None
S-SMA-5	7/7/11	All Controls Operating Effectively	BMP-14013	None	Not Applicable	None
S-SMA-5.2	7/7/11	All Controls Operating Effectively	BMP-14012	None	Not Applicable	None
S-SMA-5.5	7/7/11	All Controls Operating Effectively	BMP-14011	None	Not Applicable	None
S-SMA-6	7/7/11	Request map update berm S01603010006 has opening at culvert outlet. Existed prior to this field season's inspections and still functions as intended, no maintenance necessary.	BMP-14010	None	Not Applicable	None
CDB-SMA-4	7/18/11	All Controls Operating Effectively	BMP-13843	None	Not Applicable	None
M-SMA-1	7/7/11	All Controls Operating Effectively	BMP-13913	None	Not Applicable	None
M-SMA-1.2	7/7/11	All Controls Operating Effectively	BMP-13914	None	Not Applicable	None
M-SMA-1.21	7/7/11	All Controls Operating Effectively	BMP-13922	None	Not Applicable	None

SMA	DATE INSPECTED	FINDINGS	INSPECTION REFERENCE	MAINTENANCE CONDUCTED	DATE MAINTENANCE CONDUCTED	MAINTENANCE REFERENCE
M-SMA-1.22	7/7/11	All Controls Operating Effectively	BMP-13923	None	Not Applicable	None
M-SMA-5	7/7/11	All Controls Operating Effectively	BMP-13929	None	Not Applicable	None
M-SMA-6	7/7/11	All Controls Operating Effectively	BMP-13930	None	Not Applicable	None
M-SMA-7	7/7/11	All Controls Operating Effectively	BMP-13931	None	Not Applicable	None
M-SMA-7.9	7/7/11	All Controls Operating Effectively	BMP-13936	None	Not Applicable	None
M-SMA-9.1	7/7/11	All Controls Operating Effectively	BMP-13937	None	Not Applicable	None
M-SMA-10	7/7/11	All Controls Operating Effectively	BMP-13915	None	Not Applicable	None
M-SMA-10.01	7/7/11	All Controls Operating Effectively	BMP-13924	None	Not Applicable	None
M-SMA-10.3	7/7/11	All Controls Operating Effectively	BMP-13916	None	Not Applicable	None
M-SMA-11.1	7/7/11	All Controls Operating Effectively	BMP-13917	None	Not Applicable	None
M-SMA-12.7	7/14/11	All Controls Operating Effectively	BMP-14284	None	Not Applicable	None
M-SMA-12.8	7/14/11	All Controls Operating Effectively	BMP-14283	None	Not Applicable	None
M-SMA-13	7/8/11	All Controls Operating Effectively	BMP-13935	None	Not Applicable	None
T-SMA-2.5	7/7/11	All Controls Operating Effectively	BMP-14005	None	Not Applicable	None
T-SMA-2.85	7/7/11	All Controls Operating Effectively	BMP-14004	None	Not Applicable	None
T-SMA-3	7/7/11	All Controls Operating Effectively	BMP-14003	None	Not Applicable	None
T-SMA-4	7/7/11	All Controls Operating Effectively	BMP-14002	None	Not Applicable	None
T-SMA-5	7/7/11	All Controls Operating Effectively	BMP-14001	None	Not Applicable	None

APPENDIX B

STORM EVENT INSPECTIONS AND DETAILS

JULY 1 – JULY 31, 2011

Storm Event Inspections And Details Volume 2 07-01-2011 - 07-31-2011								
SMA	Rain Gage	Qualifying Storm Event	Date Inspected	Findings	Inspection Reference	Maintenance Conducted	Date Maintenance Conducted	Maintenance Reference
S-SMA-3.7	RG203	July 28, 2011 July 29, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15412	None	Not Applicable	None
S-SMA-3.71	RG203	July 28, 2011 July 29, 2011	August 01, 2011	Map update requested	BMP-15413	None	Not Applicable	None
S-SMA-3.72	RG203	July 28, 2011 July 29, 2011	August 01, 2011	Map update requested. Request maintenance/repair on lower berm, S00903010010, damaged by erosion. Lower berm was damaged; water cut a channel on side of spillway instead of going through rock spillway.	BMP-15414	Temporary wattle installed at time of inspection. Maintenance/repair conducted on berm S00903010010.	August 01, 2011 August 08, 2011	BMP-15414 BMP-16404
S-SMA-3.95	RG203	July 28, 2011 July 29, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15416	None	Not Applicable	None
S-SMA-4.1	RG-TA-53	July 28, 2011 July 30, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15390	Built up and extended rock berm S01103120003 to the north. Created a low point in berm at curb cut.	August 11, 2011	BMP-15979
S-SMA-4.5	RG203	July 28, 2011 July 29, 2011	August 01, 2011	Repair requested. Gravel from adjacent well pad has exceeded capacity in spots.	BMP-15415	Repaired wattle S01203060004.	August 11, 2011	BMP-15989
S-SMA-5	RG-TA-53	July 28, 2011 July 30, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15391	None	Not Applicable	None
S-SMA-5.2	RG-TA-53	July 28, 2011 July 30, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15392	None	Not Applicable	None
S-SMA-5.5	RG-TA-53	July 28, 2011 July 30, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15393	None	Not Applicable	None
S-SMA-6	RG-TA-53	July 28, 2011 July 30, 2011	August 01, 2011	All Controls Operating Effectively	BMP-15394	None	Not Applicable	None
CDB-SMA-0.25	RG245.5	July 28, 2011 July 29, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15432	None	Not Applicable	None
CDB-SMA-0.55	RG245.5	July 28, 2011 July 29, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15433	None	Not Applicable	None

Storm Event Inspections And Details Volume 2 07-01-2011 - 07-31-2011								
SMA	Rain Gage	Qualifying Storm Event	Date Inspected	Findings	Inspection Reference	Maintenance Conducted	Date Maintenance Conducted	Maintenance Reference
CDB-SMA-1	RG245.5	July 28, 2011 July 29, 2011 July 30, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15431	None	Not Applicable	None
CDB-SMA-1.15	RG245.5	July 28, 2011 July 29, 2011 July 30, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15434	None	Not Applicable	None
CDB-SMA-1.35	RG245.5	July 28, 2011 July 29, 2011 July 30, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15435	None	Not Applicable	None
CDB-SMA-1.54	RG245.5	July 28, 2011 July 29, 2011 July 30, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15438	None	Not Applicable	None
CDB-SMA-1.55	RG245.5	July 28, 2011 July 29, 2011 July 30, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15436	None	Not Applicable	None
CDB-SMA-1.65	RG245.5	July 28, 2011 July 29, 2011 July 30, 2011	August 02, 2011	All Controls Operating Effectively	BMP-15437	None	Not Applicable	None
CDB-SMA-4	RG-TA-54	July 29, 2011 July 30, 2011	August 08, 2011	All Controls Operating Effectively	BMP-15507	None	Not Applicable	None
M-SMA-12.5	RG203	July 28, 2011 July 29, 2011	August 05, 2011	Map Update Requested	BMP-15405	None	Not Applicable	None
M-SMA-12.6	RG203	July 28, 2011 July 29, 2011	August 05, 2011	All Controls Operating Effectively	BMP-15406	None	Not Applicable	None
M-SMA-12.7	RG203	July 28, 2011 July 29, 2011	August 05, 2011	All Controls Operating Effectively	BMP-15407	None	Not Applicable	None
M-SMA-12.8	RG203	July 28, 2011 July 29, 2011	August 05, 2011	All Controls Operating Effectively	BMP-15408	None	Not Applicable	None

Storm Event Inspections And Details Volume 2 07-01-2011 - 07-31-2011								
SMA	Rain Gage	Qualifying Storm Event	Date Inspected	Findings	Inspection Reference	Maintenance Conducted	Date Maintenance Conducted	Maintenance Reference
M-SMA-12.9	RG203	July 28, 2011 July 29, 2011	August 05, 2011	Map Update Requested	BMP-15409	None	Not Applicable	None
M-SMA-12.92	RG203	July 28, 2011 July 29, 2011	August 05, 2011	All Controls Operating Effectively	BMP-15410	None	Not Applicable	None
M-SMA-13	RG203	July 28, 2011 July 29, 2011	August 05, 2011	Map Update Requested	BMP-15411	None	Not Applicable	None

APPENDIX C

**SAMPLES COLLECTED AT SITES IN VOLUME 2 STRIP
FOR REPORTING PERIOD**

Samples Collected Volume 2, STRIP 2
07-01-2011 - 07-31-2011

SMA	Date Collected	Analysis			
		Metals	Cyanide	Radioactivity	Other
S-SMA-0.25	7/28/11	x	x	x	SVC
S-SMA-2	7/28/11	x	x	x	
S-SMA-3.6	7/28/11	x	x	x	HE
S-SMA-6	7/30/11	x	x	x	HE
M-SMA-10.3	7/30/11	x	x	x	
T-SMA-1	7/30/11	x	x	x	