

STATUS REPORT

NPDES PERMIT No. NM0030759

SITE DISCHARGE POLLUTION PREVENTION PLAN VOLUME 3

PAJARITO WATERSHED AGGREGATE



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

LA-UR-11-11624

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 3 (V3 SDPPP), Pajarito Watershed Aggregate area and is prepared in partial fulfillment of requirements set forth in NPDES Permit No. NM0030759 (IP or Permit). The V3 STRIP is one of five documents summarizing ongoing activities that will be reflected in the annual update to the V3 SDPPP. Within the V3 SDPPP, there are 60 Sites monitored in 51 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 V3 STRIP, 32 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 32 PMIs conducted in July, 3 inspections noted repair or replacement needed. Two maintenance actions were conducted on arrival or at the time of inspection.

CORRECTIVE ACTION PLANNING

Planning for corrective action responses have begun at all high priority Sites within the V3 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 V3 STRIP, 8 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, six (6) qualifying storm events or events with precipitation intensity of 0.25" in thirty minutes were recorded.

Table III.A Precipitation Activity for Reporting Period

Rain Gage	Related SMAs	Qualifying Storm Events	Storm Event Inspections Conducted
RG-TA-06	21	0	0
RG-TA-54	5	7/29/2011 7/30/2011	5
RG121.9	4	0	0
RG240	5	0	0
RG245.5	11	07-28-2011 07-29-2011 07-30-2011	11
RG253	1	07-20-2011 07-27-2011 07-30-2011	2
RG257	2	0	0
RG262.4	2	07-25-2011 07-30-2011	4

STORM EVENT INSPECTIONS

Three storm-event inspections were conducted at Sites in the V3 STRIP during the reporting period. The remaining inspections related to July storm events were all completed in early August. Details of these inspections are provided in Appendix B.

SAMPLES COLLECTED

Four confirmation samples were collected at Sites/SMAs within the V3 STRIP for the reporting period. A table presenting the SMAs, the date of sample collection, and the analysis requested 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 V3 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 Certificates of Completion under the Consent Order have been issued by the New Mexico Environment Department for Sites in the V3 STRIP.

COMPLETION OF CORRECTIVE ACTION

No Completions of corrective action under NMED's Consent Order were certified pursuant to Part 1.E.2 (d) for Sites within the V3 STRIP.

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
2M-SMA-1.42	7/12/11	All Controls Operating Effectively	BMP-13802	None	Not Applicable	None
2M-SMA-1.43	7/18/11	All Controls Operating Effectively	BMP-13803	None	Not Applicable	None
2M-SMA-1.44	7/12/11	All Controls Operating Effectively	BMP-13804	None	Not Applicable	None
2M-SMA-1.45	7/12/11	All Controls Operating Effectively	BMP-13805	None	Not Applicable	None
2M-SMA-1.5	7/14/11	All Controls Operating Effectively	BMP-13806	Cleaned sediment out of culvert E00604040002 at inspection	7/14/11	BMP-13806
3M-SMA-0.2	7/13/11	All Controls Operating Effectively	BMP-13817	None	Not Applicable	None
3M-SMA-2.6	7/11/11	All Controls Operating Effectively	BMP-13821	None	Not Applicable	None
3M-SMA-4	7/11/11	All Controls Operating Effectively	BMP-13822	None	Not Applicable	None
PJ-SMA-10	7/11/11	All Controls Operating Effectively	BMP-13941	None	Not Applicable	None
PJ-SMA-11	7/12/11	All Controls Operating Effectively	BMP-13942	None	Not Applicable	None
PJ-SMA-11.1	7/12/11	All Controls Operating Effectively	BMP-13946	None	Not Applicable	None
PJ-SMA-13	7/7/11	All Controls Operating Effectively	BMP-13947	None	Not Applicable	None
PJ-SMA-13.7	7/11/11	All Controls Operating Effectively	BMP-13948	None	Not Applicable	None
PJ-SMA-14	7/12/11	All Controls Operating Effectively	BMP-13949	None	Not Applicable	None
PJ-SMA-14.2	7/11/11	All Controls Operating Effectively	BMP-13950	None	Not Applicable	None
PJ-SMA-14.3	7/11/11	All Controls Operating Effectively	BMP-13951	None	Not Applicable	None
PJ-SMA-14.4	7/11/11	All Controls Operating Effectively	BMP-13953	None	Not Applicable	None
PJ-SMA-14.6	7/11/11	All Controls Operating Effectively	BMP-13954	None	Not Applicable	None
PJ-SMA-14.8	7/11/11	All Controls Operating Effectively	BMP-13955	None	Not Applicable	None
PJ-SMA-16	7/12/11	All Controls Operating Effectively	BMP-13956	None	Not Applicable	None
PJ-SMA-17	7/18/11	All Controls Operating Effectively	BMP-13957	None	Not Applicable	None
PJ-SMA-18	7/18/11	All Controls Operating Effectively	BMP-13959	None	Not Applicable	None
PJ-SMA-19	7/18/11	All Controls Operating Effectively	BMP-13958	None	Not Applicable	None
PJ-SMA-2	7/12/11	Repair/replacement requested for damaged erosion control blankets J00201060010 and J00201060012.	BMP-13952	Repaired damaged erosion control blankets J00201060010 and J00201060012.	7/22/11 7/26/11	BMP-14694 BMP-14695
PJ-SMA-20	7/12/11	All Controls Operating Effectively	BMP-13960	None	Not Applicable	None
PJ-SMA-3.05	7/12/11	All Controls Operating Effectively	BMP-13964	None	Not Applicable	None
PJ-SMA-4.05	7/12/11	All Controls Operating Effectively	BMP-13963	None	Not Applicable	None

SMA	DATE INSPECTED	FINDINGS	INSPECTION REFERENCE	MAINTENANCE CONDUCTED	DATE MAINTENANCE CONDUCTED	MAINTENANCE REFERENCE
PJ-SMA-5	7/14/11	All Controls Operating Effectively	BMP-13961	None	Not Applicable	None
PJ-SMA-5.1	7/14/11	Repair/replacement requested for wattle J00603060005	BMP-13962	Replaced wattle J00603060005 with new wattle J00603060008 in same location.	7/21/11	BMP-14835
STRM-SMA-1.05	7/14/11	All Controls Operating Effectively	BMP-14009	Removed sediment and replaced rock in rip rap J02804060006 during inspection.	7/14/11	BMP-14009
STRM-SMA-1.5	7/15/11	Repair/replace wattle J02903060006	BMP-14008	Replaced wattle J02903060006 with new wattle J02903060008 in same location.	7/21/11	BMP-14836
STRM-SMA-4.2	7/14/11	All Controls Operating Effectively	BMP-14007	None	Not Applicable	None

APPENDIX B

STORM EVENT INSPECTIONS AND DETAILS

JULY 1 – JULY 31, 2011

Storm Event Inspections And Details Volume 3 , STRIP 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
3M-SMA-0.4	RG262.4	7/25/2011 7/30/2011	7/27/2011 8/5/2011	All Controls Operating Effectively	BMP-15088 BMP-15721	None	Not Applicable	None
3M-SMA-0.5	RG262.4	7/25/2011 7/30/2011	7/27/2011 8/5/2011	All Controls Operating Effectively	BMP-15089 BMP-15722	None	Not Applicable	None
3M-SMA-0.6	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	Recommend retiring wattles H00403060005 and H00403060014, backup controls in place.	BMP-15428	Retired wattles H00403060005 and H00403060014.	9/16/2011	CCN-15990
3M-SMA-2.6	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15429	None	Not Applicable	None
3M-SMA-4	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15430	None	Not Applicable	None
PJ-SMA-2	RG253	7/20/2011 7/27/2011 7/30/2011	7/26/2011 8/4/2011	All Controls Operating Effectively	BMP-14937 BMP-15266	None	Not Applicable	None
PJ-SMA-13	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15439	None	Not Applicable	None
PJ-SMA-13.7	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15440	None	Not Applicable	None
PJ-SMA-14	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15441	None	Not Applicable	None
PJ-SMA-14.2	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15442	None	Not Applicable	None
PJ-SMA-14.3	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15443	None	Not Applicable	None
PJ-SMA-14.4	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15444	None	Not Applicable	None

Storm Event Inspections And Details Volume 3 , STRIP 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
PJ-SMA-14.6	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15445	None	Not Applicable	None
PJ-SMA-14.8	RG245.5	7/28/2011 7/29/2011 7/30/2011	8/3/2011	All Controls Operating Effectively	BMP-15446	None	Not Applicable	None
PJ-SMA-16	RG-TA-54	7/29/2011 7/30/2011	8/8/2011	All Controls Operating Effectively	BMP-15508	None	Not Applicable	None
PJ-SMA-17	RG-TA-54	7/29/2011 7/30/2011	8/8/2011	All Controls Operating Effectively	BMP-15509	None	Not Applicable	None
PJ-SMA-18	RG-TA-54	7/29/2011 7/30/2011	8/11/2011	All Controls Operating Effectively	BMP-15511	None	Not Applicable	None
PJ-SMA-19	RG-TA-54	7/29/2011 7/30/2011	8/11/2011	All Controls Operating Effectively	BMP-15510	None	Not Applicable	None
PJ-SMA-20	RG-TA-54	7/29/2011 7/30/2011	8/5/2011	All Controls Operating Effectively	BMP-15512	None	Not Applicable	None

APPENDIX C

**SAMPLES COLLECTED AT SITES IN VOLUME 3 STRIP
FOR REPORTING PERIOD**

SAMPLES COLLECTED AT SMAs IN VOLUME 3, STRIP 2 07-01-2011 - 07-31-2011					
SMA	Date Collected	Analysis			
		Metals	Cyanide	Radioactivity	Other
2M-SMA-2	7/28/2011	x	x	x	
PJ-SMA-14.8	7/28/2011	x	x	x	
PJ-SMA-16	7/30/2011	x	x	x	HE
PJ-SMA-20	7/29/2011	x	x	x	