

STATUS REPORT

NPDES PERMIT No. NM0030759

SITE DISCHARGE POLLUTION PREVENTION PLAN VOLUME 1

LOS ALAMOS/PUEBLO WATERSHED AGGREGATE



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

LA-UR-11-11621

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 1 (V1 SDPPP), Los Alamos/Pueblo Watershed Aggregate area and is prepared in partial fulfillment of requirements set forth in NPDES Permit No. NM0030759 (IP or Permit). The V1 STRIP is one of five documents summarizing ongoing activities that will be reflected in the annual update to the V1 SDPPP. Within the V1 SDPPP, there are 101 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. All associated PMIs for the LAP STRIP were completed by the end of the reporting period.

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

PREVENTATIVE MAINTENANCE INSPECTIONS CONDUCTED

In the V1 STRIP, 19 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 19 PMIs conducted in July, one inspection 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 one SMA within the V1 STRIP. Additional controls were installed at P-SMA-2.2, but were not previously reported.

Table II.A Additional Controls at Sites in V1 STRIP

SMA	Additional Control(s)	Install Date
P-SMA-2.2	P008-06-01-0018 Rock Check Dam	4/20/2011
	P008-06-01-0019 Rock Check Dam	
	P008-06-01-0020 Rock Check Dam	
	P008-06-01-0021 Rock Check Dam	
	P008-06-01-0022 Rock Check Dam	

CORRECTIVE ACTION PLANNING

Planning for corrective action responses have begun at all high priority Sites within the V1 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 V1 STRIP, 5 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 two (2) qualifying storm events 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 Conducted
RG-NCOM	3	0	0
RG-TA-53	6	7/28/2011 7/30/2011	6
RG038	34	0	0
RG055.5	16	0	0
RG121.9	5	0	0

STORM EVENT INSPECTIONS

No storm-event inspections were conducted in the V1 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.

There were no deficiencies noted in these inspections. Details of these inspections are provided in Appendix B.

SAMPLES COLLECTED

Five confirmation samples have been collected at Sites/SMAs within the V1 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 V1 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 V1 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 10 Sites within the V1 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 DETAILS

SMA	DATE INSPECTED	FINDINGS	INSPECTION REFERENCE	MAINTENANCE CONDUCTED	DATE MAINTENANCE CONDUCTED	MAINTENANCE REFERENCE
B-SMA-0.5	7/12/11	All Controls Operating Effectively	BMP-13831	None	Not Applicable	None
P-SMA-0.3	7/11/11	All Controls Operating Effectively	BMP-13938	None	Not Applicable	None
P-SMA-1	7/8/11	All Controls Operating Effectively	BMP-13939	None	Not Applicable	None
P-SMA-2	7/11/11	All Controls Operating Effectively	BMP-13940	None	Not Applicable	None
P-SMA-2.15	7/12/11	All Controls Operating Effectively	BMP-13943	None	Not Applicable	None
P-SMA-2.2	7/11/11	All Controls Operating Effectively	BMP-13944	None	Not Applicable	None
P-SMA-3.05 ¹	6/23/11	All Controls Operating Effectively	BMP-13793	None	Not Applicable	None
LA-SMA-5.35	7/12/11	All Controls Operating Effectively	BMP-13795	Small amount of native rock added to rip rap, L01404060007 at time of inspection.	7/12/11	BMP-13795
LA-SMA-5.51	7/12/11	All Controls Operating Effectively	BMP-13788	None	Not Applicable	None
LA-SMA-5.52	7/12/11	All Controls Operating Effectively	BMP-13789	None	Not Applicable	None
LA-SMA-5.53	7/12/11	All Controls Operating Effectively	BMP-13790	None	Not Applicable	None
LA-SMA-5.54	7/8/11	All Controls Operating Effectively	BMP-13791	None	Not Applicable	None

¹ Although conducted, this inspection was not previously reported in the April-June 2011 Volume 1, SRIP 1.

SMA	DATE INSPECTED	FINDINGS	INSPECTION REFERENCE	MAINTENANCE CONDUCTED	DATE MAINTENANCE CONDUCTED	MAINTENANCE REFERENCE
LA-SMA-5.91	7/7/11	All Controls Operating Effectively	BMP-13907	None	Not Applicable	None
LA-SMA-5.92	7/7/11	All Controls Operating Effectively	BMP-13908	None	Not Applicable	None
LA-SMA-6.31	7/12/11	Replacement requested for wattle L02203060004	BMP-13906	Replaced wattle L02203060004 with wattle L022A03060006 at same location.	7/18/11	BMP-14697
LA-SMA-6.34	7/12/11	All Controls Operating Effectively	BMP-13904	None	Not Applicable	None
LA-SMA-10.11	7/7/11	All Controls Operating Effectively	BMP-13796	None	Not Applicable	None
LA-SMA-10.12	7/7/11	Map modification requested for rock check dam LA306010011.	BMP-13797	Retired rock check dam LA306010010. Relocate rock check dam LA306010011.	8/8/11	CCN-14398
LA-SMA-10.12	7/22/11	All Controls Operating Effectively	BMP-14402	None	Not Applicable	None

APPENDIX B

STORM EVENT INSPECTIONS AND DETAILS

JULY 1 – JULY 31, 2011

Storm Event Inspections And Details Volume 1, STRIP 2 07-01-2011 - 07-31-2011								
SMA	Precipitation Gage	QUALIFYING STORM EVENT	DATE INSPECTED	FINDINGS	INSPECTION REFERENCE	MAINTENANCE CONDUCTED	DATE MAINTENANCE CONDUCTED	MAINTENANCE REFERENCE
B-SMA-0.5	RG-TA-53	7/28/2011 7/30/2011	8/2/11	All Controls Operating Effectively	BMP-15386	None	Not Applicable	None
P-SMA-0.3	RG-TA-53	7/28/2011 7/30/2011	8/2/11	Modification/repair/replacement requested for LA County temporary controls. Modify and extending berm P00403010006.	BMP-15389	Extended existing berm P00403010006 approximately 60 ft to the west to prevent potential sedimentation.	8/17/11	BMP-16401
LA-SMA-9	RG-TA-53	7/28/2011 7/30/2011	8/1/11	All Controls Operating Effectively	BMP-15388	None	Not Applicable	None
LA-SMA-10.11	RG-TA-53	7/28/2011 7/30/2011	8/1/11	All Controls Operating Effectively	BMP-15384	None	Not Applicable	None
LA-SMA-10.12	RG-TA-53	7/28/2011 7/30/2011	8/1/11	All Controls Operating Effectively	BMP-15385	None	Not Applicable	None
DP-SMA-4	RG-TA-53	7/28/2011 7/30/2011	8/1/11	All Controls Operating Effectively	BMP-15387	None	Not Applicable	None

APPENDIX C

**SAMPLES COLLECTED AT SITES IN VOLUME 1 STRIP
FOR REPORTING PERIOD**

Samples Collected Volume 1, STRIP 2 07-01-2011 - 07-31-2011					
SMA	Date Collected	Analysis			
		Metals	Cyanide	Radioactivity	Other
DP-SMA-3	7/29/11	x	x	x	
LA-SMA-0.85	7/30/11	x	x	x	
LA-SMA-1.1	7/28/11	x	x	x	
LA-SMA-1.25	7/30/11	x	x	x	
R-SMA-1	7/2/11	x	x	x	