

STATUS REPORT

NPDES PERMIT No. NM0030759

SITE DISCHARGE POLLUTION PREVENTION PLAN VOLUME 5

ANCHO/CHAQUEHUI WATERSHED AGGREGATE



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

LA-UR-11-11627

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 5 (V5 SDPPP), Ancho/Chaquehui Watershed Aggregate area and is prepared in partial fulfillment of requirements set forth in NPDES Permit No. NM0030759 (IP or Permit). The V5 STRIP is one of five documents summarizing ongoing activities that will be reflected in the annual update to the V5 SDPPP. Within the V5 SDPPP, there are 39 Sites monitored in 21 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 V5 STRIP, 6 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 6 PMIs conducted, 2 inspections noted repair or replacement needed. Two maintenance actions were 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 three SMAs within the V5 STRIP.

Table II.A Additional Controls at SMAs in V5 STRIP

SMA	Additional Control	Install Date
CHQ-SMA-4	Q00503010016 earthen berm	7/20/2011
	Q00503010017 earthen berm	
	Q00503010018 earthen berm	
CHQ-SMA-4.5	Q00703010009 earthen berm	7/18/2011
CHQ-SMA-7.1	Q01003010010 earthen berm	7/18/2011
	Q01003010011 earthen berm	

CORRECTIVE ACTION PLANNING

Planning for corrective action responses have begun at all high priority Sites within the V5 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 V5 STRIP, 3 precipitation gages monitor and report precipitation activity. These gages and the activity for the reporting period are shown in Table III.A, below.

There were three (3) days where qualifying storm events were recorded at precipitation monitors associated with SMAs within this STRIP.

Table III.A Precipitation Activity for Reporting Period

Rain Gage	Related SMAs	Qualifying Storm Events	Storm Event Inspections Conducted
RG265	4	07-24-2011 07-29-2011 07-30-2011	4
RG267.4	2	07-29-2011 07-30-2011	2
RG340	15	07-29-2011	15

STORM EVENT INSPECTIONS

No storm-event inspections were conducted in the V5 STRIP aggregate area through the period ending July 31, 2011; however, the storm-event inspections for the July-recorded events were conducted in early August. These inspections and related details are provided in Appendix B.

VISUAL INSPECTIONS

No Visual Inspections have been required or conducted at Sites/SMAs within the V5 STRIP for the reporting period.

SAMPLES COLLECTED

One confirmation sample was collected at A-SMA-2.7 within the V5 STRIP for the reporting period. A table presenting the SMA, the date samples were collected, and analysis requested for this sample is presented in Appendix C.

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 new Certificates of Completion under the Consent Order have been issued by the New Mexico Environment Department for SMAs within the V5 STRIP.

COMPLETION OF CORRECTIVE ACTION

Completions of corrective action under NMED's Consent Order were certified pursuant to Part 1.E.2 (d) for 2 Sites within the V5 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
A-SMA-2.5	7/13/11	All Controls Operating Effectively	BMP-13824	None	Not Applicable	None
A-SMA-2.7	7/13/11	All Controls Operating Effectively	BMP-13825	None	Not Applicable	None
A-SMA-2.8	7/13/11	All Controls Operating Effectively	BMP-13826	None	Not Applicable	None
A-SMA-1.1	7/14/11	All Controls Operating Effectively	BMP-13815	None	Not Applicable	None
A-SMA-3	7/14/11	Channel swale A00604010006 was not clearly defined, filled with sediment.	BMP-13827	Cleared sediment and defined channel in swale A00604010006 during inspection.	7/14/11	BMP-13827
A-SMA-2	7/15/11	Repair requested for Wattle A00203060015	BMP-13823	During inspection made channel more defined to mitigate chance of overflow. Replaced wattle A00203060015 with new wattle A00203060016 at same location.	7/15/11 7/25/11	BMP-13823 BMP-14850

APPENDIX B

STORM EVENT INSPECTIONS AND DETAILS

JULY 1 – JULY 31, 2011

Storm Event Inspections And Details Volume 5, 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
A-SMA-1.1	RG267.4	07-29-2011 07-30-2011	08-03-2011	All Controls Operating Effectively	BMP-15590	None	Not Applicable	None
A-SMA-2	RG267.4	07-29-2011 07-30-2011	08-03-2011	Floatable debris present at firing site due to ongoing explosive experiments.	BMP-15591	Remove and bag floatable debris in channel.	08-17-2011	BMP-16172
A-SMA-2.5	RG265	07-24-2011 07-29-2011	08-01-2011	All Controls Operating Effectively	BMP-15071	None	Not Applicable	None
A-SMA-2.7	RG265	07-24-2011 07-29-2011 07-30-2011	08-01-2011	All Controls Operating Effectively	BMP-15072	Sediment displacement from mowing equipment cleared from behind wattles A0040306005 and A0040306006 at time of inspection.	08-01-2011	BMP-15072
A-SMA-2.8	RG265	07-24-2011 07-29-2011 07-30-2011	08-01-2011	Repair requested. Native weeds growing. Large bare soil areas. Hydromulch A00501030003 seeded vegetation not apparent. Seasonal rains occurring, good time for seed germination.	BMP-15073	Additional seed spread in area of hydromulch A00501030003 at time of inspection.	08-1-2011	BMP-15073
A-SMA-3	RG265	07-24-2011 07-29-2011	08-01-2011	All Controls Operating Effectively	BMP-15074	None	Not Applicable	None
A-SMA-3.5	RG340	07-29-2011	08-03-2011	All Controls Operating Effectively	BMP-15615	None	Not Applicable	None
A-SMA-4	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15616	None	Not Applicable	None
A-SMA-6	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15617	None	Not Applicable	None
CHQ-SMA-0.5	RG340	07-29-2011	08-02-2011	All Controls Operating Effectively	BMP-15618	None	Not Applicable	None
CHQ-SMA-1.01	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15621	None	Not Applicable	None
CHQ-SMA-1.02	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15622	None	Not Applicable	None
CHQ-SMA-1.03	RG340	07-29-2011	08-09-2011	Floatable debris (foam insulation) noted onsite.	BMP-15623	Picked up floatable debris at time of inspection.	08-09-2011	BMP-15623

Storm Event Inspections And Details Volume 5, 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
CHQ-SMA-2	RG340	07-29-2011	08-12-2011	Floating debris present at south end of base course berm Q00303020006.	BMP-15619	Restacked and re-shaped rocks at rock check dam Q00306010012 at time of inspection. Picked up debris out of channel.	08-12-2011 08-17-2011	BMP-15619 BMP-16446
CHQ-SMA-3.05	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15624	None	Not Applicable	None
CHQ-SMA-4	RG340	07-29-2011	08-09-2011	Map update requested.	BMP-15620	Re-staked straw wattle Q0050306006 at time of inspection.	08-09-2011	BMP-15620
CHQ-SMA-4.1	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15625	None	Not Applicable	None
CHQ-SMA-4.5	RG340	07-29-2011	08-02-2011	Map update requested. Wattle casings left onsite from augmented controls installation. Floatable debris noted.	BMP-15626	Wattle casings left from augmented control installation and floatable debris were picked up at time of inspection.	08-02-2011	BMP-15626
CHQ-SMA-5.05	RG340	07-29-2011	08-03-2011	All Controls Operating Effectively	BMP-15629	None	Not Applicable	None
CHQ-SMA-6	RG340	07-29-2011	08-09-2011	All Controls Operating Effectively	BMP-15627	None	Not Applicable	None
CHQ-SMA-7.1	RG340	07-29-2011	08-09-2011	Map update requested. Wattle netting left onsite from prior augmented control installation.	BMP-15628	Pick up straw wattle netting left onsite after augmented control installation.	08-17-2011	BMP-16488

APPENDIX C

SAMPLES COLLECTED AT SITES IN VOLUME 5 STRIP

JULY 1 – JULY 31, 2011

SAMPLES COLLECTED AT SITES IN VOLUME 5 STRIP 07-01-2011 - 07-31-2011					
SMA	Date Collected	Analysis			
		Metals	Cyanide	Radioactivity	Other
A-SMA-2.7	July 24, 2011	X	X	X	HE