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<i>Title:</i>	Status Report, Ancho/Chaquehui Watershed January 1–June 30, 2013
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<i>Intended for:</i>	Public
<i>Purpose:</i>	This Status Report has been prepared to facilitate public review of activities under the Individual Storm Water Permit (National Pollutant Discharge Elimination System Permit No. NM0030759) (IP). This report, not required by the IP, updates the 2012 Annual Report (published on March 1, 2013). Further, it summarizes precipitation, monitoring, inspection and maintenance, corrective action, and compliance status at specific solid waste management units and areas of concern listed in the IP. The report will be available on Los Alamos National Laboratory's public website established as required under Part I.I.7 of the IP.



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STATUS REPORT

**Ancho/Chaquehui Watershed
January 1–June 30, 2013**

**INDIVIDUAL STORM WATER
NPDES PERMIT No. NM0030759**



OVERVIEW

Los Alamos National Security, LLC, under the direction of the National Nuclear Security Administration, has prepared this Status Report to facilitate public review of activities under the Individual Storm Water Permit (National Pollutant Discharge Elimination System Permit No. NM0030759) (IP). This report, not required by the IP, updates the 2012 Annual Report published on March 1, 2013. Further, for the January 1–June 30, 2013, time period, it summarizes precipitation, monitoring, inspection and maintenance, corrective action, and compliance status at specific solid waste management units and areas of concern, commonly referred to as “Sites.” A second report will be prepared summarizing these activities from July 1–December 30, 2013. Both reports will be available on Los Alamos National Laboratory’s public website as required under Part I.I.7 of the IP. This website may be found at <http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php>.

The site monitoring area (SMA) map format has been updated to make the maps easier to understand and to provide more information, such as the location of established vegetation. The updated maps are available on the web (<http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/site-monitoring-area-maps.php>) and are updated when any change is made.

Within the Ancho/Chaquehui watershed, 39 Sites are monitored at 21 SMAs. Highlights of work performed from January 1–June 30, 2013, include the following items.

- Additional controls were installed at 19 SMAs, and no augmented controls were installed at any SMAs. Baseline control replacements were completed at 19 SMAs, and no enhanced controls were certified as corrective action measures.
- Nineteen samplers were activated. There were no measureable storm events, and no confirmation samples were collected. No storm event inspections were completed during the reporting period.
- As of June 30, 2013, baseline monitoring is continuing at 17 SMAs, and corrective action was initiated at 4 SMAs. One Site was issued a Certificate of Completion under the Compliance Order on Consent (the Consent Order).
- There were no incidents of noncompliance that could potentially endanger human health or the environment during this time period (January 1–June 30, 2013).

PRECIPITATION

Within the watershed, three precipitation gages monitor and report precipitation activity during the field season. These gages and their activity levels from January 1–June 30, 2013, are shown in Table 1. There were no measurable storm events (an event with precipitation intensity of 0.25 in. within 30 min).

Adverse Weather

Severe fire hazard conditions resulted in a stand-down of field activities that occurred from June 24 to July 8, 2013, preventing field crews from accessing most SMA locations.

Table 1
Precipitation Activity for
January 1–June 30, 2013

Rain Gage	Related SMAs	Measurable Storm Events	Storm Event Inspections Conducted
RG265	4	None	0
RG267.4	2	None	0
RG340	15	None	0

MONITORING

Samplers Activated

Nineteen samplers were activated at the beginning of this field season (April 1, 2013).

Samples Collected

No confirmation samples were collected during the reporting period.

Sampler Placement

Samplers associated with monitoring locations for Sites were placed in accordance with coordinate locations provided in the Site Discharge Pollution Prevention Plan, Revision 1, Volume 5 (SDPPP, R1, V5).

INSPECTION AND MAINTENANCE

Post-Storm Inspections

No post-storm inspections were required to be conducted during the reporting period.

Visual Inspections

No visual inspections were required to be conducted during the reporting period.

Significant Event Inspections

No significant events that could impact the control measures and environmental conditions occurred that required a Site to be reevaluated and inspected under Part I.G.1 of the IP.

Annual Erosion Inspections

Annual erosion reevaluation inspections were conducted at all 21 SMAs as required under Part I.G.1 of the IP.

Construction Inspections

No construction inspections were conducted.

Control Maintenance

No control maintenance activities were conducted.

CORRECTIVE ACTION

Augmented Control Installations

No additional controls were installed at SMAs. Additional controls are installed at Sites to “augment” baseline controls; these Sites are not in corrective action because monitoring has not shown a target action level (TAL) exceedance.

Baseline Control Replacements

Baseline control replacements were completed at 19 SMAs and are presented in Appendix A. The purpose of a control replacement is to maintain or upgrade the existing certified baseline controls at an SMA.

Enhanced Control Installations

When a sample that exceeds TALs is collected from an SMA, the associated Sites advance to corrective action. One of the corrective action options is to construct enhanced controls.

When all the enhanced controls are installed, a certification of the installed controls is submitted to the U.S. Environmental Protection Agency (EPA) and New Mexico Environment Department (NMED) and is made available on the IP website. No enhanced controls were certified at SMAs.

COMPLIANCE STATUS

Baseline Confirmation Complete

No SMAs have successfully completed baseline monitoring; therefore, corrective action is required at each of the associated Sites.

Baseline Monitoring Extended

As of June 30, 2013, baseline monitoring is continuing at 17 SMAs (30 Sites). A confirmation monitoring sample has not been collected at these SMAs. Baseline monitoring will be extended under the IP until analytical results have been received from the first confirmation sample collected.

Compliance Status Categories

Compliance status is tracked for each Site throughout the year. The categories used for tracking include the following:

- *Baseline Confirmation Complete*—All confirmation monitoring results for all pollutants of concern at the SMA are at or below TALs, and corrective action is not required at the Sites. No further sampling is required.
- *Baseline Monitoring Extended*—Baseline confirmation monitoring is in progress, and no storm water from a measurable storm event has been collected. There has been no TAL exceedance.
- *Corrective Action Initiated*—A sample was collected during baseline confirmation monitoring, and analytical results show at least one pollutant concentration is above TALs, resulting in initiation of corrective action. Corrective action may include
 - ❖ installing enhanced control measures,
 - ❖ installing control measures that totally retain storm water,
 - ❖ installing control measures that totally eliminate the exposure of pollutants, or
 - ❖ receiving a Certificate of Completion from NMED.
- *Enhanced Control Corrective Action Monitoring*—Confirmation monitoring at an SMA is initiated to determine how well enhanced controls are performing. This monitoring occurs after certification that the enhanced control measures have been installed and are complete.
- *Corrective Action Complete*—Completion of corrective action is demonstrated by one of the following:
 1. Analytical results from enhanced control monitoring show pollutant concentrations for all pollutants of concern at the Site to be at or below applicable TALs.
 2. Control measures that totally retain and prevent the discharge of storm water have been installed at the Site.
 3. Control measures that totally eliminate exposure of pollutants to storm water have been installed at the Site.
 4. The Site has achieved Resource Conservation and Recovery Act “no further action” status or a Certificate of Completion from NMED.

Corrective Action Initiated, Planning Started

As of June 30, 2013, corrective action has been initiated at 4 SMAs (13 Sites). See Appendix B for a list of these SMAs and associated Sites.

Enhanced Control Corrective Action Monitoring

As of June 30, 2013, enhanced control corrective action monitoring has started at 2 SMAs (5 Sites).

Corrective Action Complete

One Site was issued a Certificate of Completion under the Consent Order and has completed corrective action and is presented in Appendix B. Documentation certifying completion of corrective action for this Site will be submitted to EPA.

DOCUMENTS SUBMITTED

From January 1–June 30, 2013, three IP Program documents were submitted to EPA Region 6 and are listed below.

- 2012 Storm Water Individual Permit Annual Report, March 1, 2013
- 2012 Storm Water Individual Permit Compliance Status Reports (Discharge Monitoring Reports), March 1, 2013
- Updates to the SDPPP, R1, Volumes 1–5, May 1, 2013

IP documents for 2013 can be found on the IP website at <http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php>.

APPENDIX A
Additional Controls Installed and
Baseline Controls Replaced between January 1–June 30, 2013

Site Monitoring Area	Control Description	Install Date	Control Category
A-SMA-1.1	A00102040006 Established Vegetation	05/13/2013	Replaced Baseline Control
A-SMA-2	A00202040017 Established Vegetation	05/13/2013	Replaced Baseline Control
A-SMA-2.5	A00302040007 Established Vegetation	05/13/2013	Replaced Baseline Control
A-SMA-2.7	A00402040017 Established Vegetation	05/13/2013	Replaced Baseline Control
A-SMA-3	A00602040018 Established Vegetation	05/13/2013	Replaced Baseline Control
A-SMA-3.5	A00702040003 Established Vegetation	05/13/2013	Replaced Baseline Control
A-SMA-4	A00802040010 Established Vegetation	05/06/2013	Replaced Baseline Control
A-SMA-6	A00902040023 Established Vegetation	05/06/2013	Replaced Baseline Control
CHQ-SMA-0.5	Q00102040008 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-1.01	Q00202040008 Established Vegetation	05/06/2013	Replaced Baseline Control
CHQ-SMA-1.03	Q002B02040012 Established Vegetation	05/06/2013	Replaced Baseline Control
CHQ-SMA-2	Q00302040023 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-3.05	Q00402040009 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-4	Q00502040019 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-4.1	Q00602040008 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-4.5	Q00702040010 Established Vegetation	05/06/2013	Replaced Baseline Control
CHQ-SMA-5.05	Q00802040008 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-6	Q00902040036 Established Vegetation	05/09/2013	Replaced Baseline Control
CHQ-SMA-7.1	Q01002040012 Established Vegetation	05/09/2013	Replaced Baseline Control

APPENDIX B
Corrective Action Status for Site Monitoring Areas and
Sites as of June 30, 2013, within the Ancho/Chaquhui Watershed

Site Monitoring Area	Site	Corrective Action Status*
A-SMA-2.7	39-002(c)	CACompD
	39-008	CAM5
CHQ-SMA-1.02	33-004(h) 33-008(c) 33-011(d) 33-015	CAM5
CHQ-SMA-1.03	33-017 C-33-001 C-33-003 33-012(a) 33-008(c)	CAI
CHQ-SMA-2	33-004(d) 33-007(c) C-33-003	CAI

* CAM3 and CAM5: From the Individual Storm Water Permit (IP), Part I.E.4(a)(b)—Collect one or more samples after completion of corrective action control measures at moderate priority sites within 5 yr or at high priority sites within 3 yr of effective date of permit.

CAI and CAI2: From the IP, Part I.E.1(a)—Baseline or enhanced control confirmation monitoring has exceeded a target action level, and the corrective action response is being planned.

CACompD: From the IP, Part I.E.2(d)—A Site has achieved Resource Conservation and Recovery Act “corrective action complete” status or a Certificate of Completion under the Compliance Order on Consent. Collect no sample.