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Date: FEB 27 2015
Refer To: ENV-DO-15-0063
LAUR: 15-20584
Locates Action No.: N/A

Ms. Paulette Johnsey, Chief
U.S. Environmental Protection Agency, Region 6
Compliance and Assurance Division
Water Enforcement Branch (6EN)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Mr. Everett Spencer
U.S. Environmental Protection Agency, Region 6
Compliance and Assurance Division
Water Enforcement Branch (6EN)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Subject: NPDES Permit No. NM0030759 – Submittal of the Storm Water Individual Permit Annual Report, Reporting Period: January 1 – December 31, 2014

Dear Ms. Johnsey and Mr. Spencer:

Enclosed please find one hard copy with electronic files of the 2014 Storm Water Individual Permit Annual Report. The report is being submitted in accordance with the requirements of the National Pollutant Discharge Elimination System Permit No. NM0030759 (the Permit) for Los Alamos National Laboratory, issued to Los Alamos National Security, LLC, and the U.S. Department of Energy (the Permittees), effective November 1, 2010.

The 2014 Annual Report presents activities and milestones accomplished by the Permittees from January 1 to December 31, 2014. The Annual Report addresses the requirements in Section H.2 of the Permit, including the following:

- Summary of Site-specific compliance status
- Monitoring results available during the reporting period
- Identification of pollutants of concern that exceed applicable target action levels
- Description of control measures installed
- Description of corrective actions required per Part I.E to be taken or having been taken, including completion date or targeted completion date and progress update
- Highlights of any change of compliance status
- Lists of requests, for the U.S. Environmental Protection Agency's approval, including requests for change of monitoring location or Site deletion and any requests to place Site(s) into Section E.3, Alternative Compliance
- Summary of inspections performed

The 2014 Annual Report can be accessed at the following website: http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php.

If you have any questions, please contact Terrill Lemke at (505) 665-2397 (tlemke@lanl.gov) or David Rhodes at (505) 665-5325 (david.rhodes@nnsa.doe.gov).

Sincerely,

Alison M. Dorries, Division Leader
Environmental Protection Division
Los Alamos National Laboratory

Sincerely,

Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Field Office

AMD/PM/TWL:sm

Enclosure: One hard copy with electronic files – Storm Water Individual Permit Annual Report, Reporting Period January 1–December 31, 2014 (EP2015-0022)

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Los Alamos
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LA-UR-15-20584
March 2015
EP2015-0022

Storm Water Individual Permit Annual Report

Reporting Period: January 1–December 31, 2014

NPDES Permit No. NM0030759

Prepared by the Environmental Programs Directorate

Cover photo: 1000-yr flood event that occurred in September 2013.

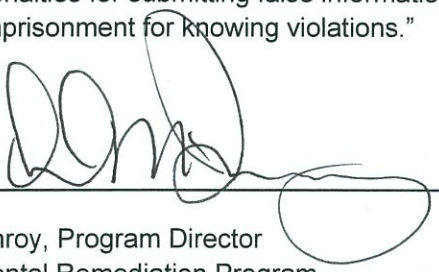
CERTIFICATION

LOS ALAMOS NATIONAL LABORATORY
NPDES Permit No. NM0030759

ANNUAL REPORT
REPORTING PERIOD: January 1, 2014–December 31, 2014

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Feb 26, 2015

Dave McInroy, Program Director
Environmental Remediation Program
Environmental Programs
Los Alamos National Security, LLC

Date

CERTIFICATION

LOS ALAMOS NATIONAL LABORATORY
NPDES Permit No. NM0030759

ANNUAL REPORT
REPORTING PERIOD: January 1, 2014–December 31, 2014

CERTIFICATION STATEMENT OF AUTHORIZATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

2-27-2015

David S. Rhodes, Supervisory Federal Project Director
Environmental Projects Office
Los Alamos Field Office
National Nuclear Security Administration

Date

EXECUTIVE SUMMARY

Los Alamos National Security, LLC, under the direction of the U.S. Department of Energy (collectively, the Permittees), has prepared this Annual Report for the Individual Storm Water Permit pursuant to the requirements of the National Pollutant Discharge Elimination System Permit No. NM0030759 (hereafter, the Individual Permit or Permit). The Individual Permit authorizes the discharge of storm water associated with historical industrial activities at the Los Alamos National Laboratory from specified solid waste management units and areas of concern, collectively referred to as Sites. The Permit, incorporating the latest modifications, became effective on November 1, 2010.

This Annual Report presents compliance status and activities and milestones accomplished during the period from January 1 to December 31, 2014. Highlights of work performed during the 2014 annual reporting period include the following.

Baseline activities

- 206 “additional” control measures installed at 69 site monitoring areas (SMAs)
- 27 controls installed to retire 19 existing baseline control measures
- Baseline confirmation monitoring samples collected at 17 SMAs, initiating corrective action

Corrective action activities

- 38 enhanced control measures installed and implemented at 9 SMAs
- Corrective action enhanced control confirmation monitoring samples collected at 15 SMAs
- Corrective action initiated based on target action level (TAL) exceedances at 17 SMAs
- Enhanced control monitoring initiated at 13 SMAs
- Completion of corrective action at 5 Sites with certification of no exposure

Alternative compliance activities

- Alternative compliance requested at 1 Site in 1 SMA
- Alternative compliance approved at 2 Sites associated with 1 SMA

Inspection activities

- 1367 Permit-required inspections
- 1453 sampling equipment inspections

Compliance activities

- Website updated and public notified
- 2 public meetings held
- Revision 1 of the 5-volume Site Discharge Pollution Prevention Plan updated
- Permit renewal application submitted

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1.0 INTRODUCTION

Los Alamos National Laboratory (LANL or the Laboratory) is a multidisciplinary research facility owned by the U.S. Department of Energy (DOE) and managed by Los Alamos National Security, LLC (LANS), collectively, the Permittees. The Laboratory, located in Los Alamos County in northern New Mexico, covers approximately 36 mi^2. It is situated on the Pajarito Plateau, which is made up of a series of finger-like mesas separated by deep west-to-east-oriented canyons cut by predominantly ephemeral and intermittent streams. Many of the Sites covered by National Pollutant Discharge Elimination System (NPDES) Permit No. NM0030759 (hereafter, the Individual Permit or Permit) are remotely located and are not associated with current industrial activities.

The Permittees have prepared this Annual Report for the Individual Permit pursuant to the requirements of the Permit as authorized by the U.S. Environmental Protection Agency (EPA). The Permit authorizes storm water discharges associated with historical industrial activities at the Laboratory from specified solid waste management units (SWMUs) and areas of concern (AOCs), collectively referred to as Sites. The Permit contains nonnumeric technology-based effluent limitations, coupled with a comprehensive, coordinated inspection and monitoring program, to minimize pollutants in the Permittees' storm water discharges associated with these Sites. The Permittees are required to implement site-specific control measures (including best management practices [BMPs]) to address the nonnumeric technology-based effluent limits, as necessary, to minimize pollutants in their storm water discharges. The Individual Permit does not regulate storm water discharges associated with current conventional industrial activities at the Laboratory that are regulated under NPDES Permit No. NMR05GB21. The Permit incorporating the latest modifications became effective on November 1, 2010 (EPA 2010, 213450).

The Sites regulated under this Permit are a subset of the SWMUs and AOCs that are being addressed under the March 2005 Compliance Order on Consent (the Consent Order). The Consent Order fulfills the corrective action requirements in §3004(u) and §3008(h) of the Resource Conservation and Recovery Act (RCRA). A SWMU is a discernible unit at which solid wastes may have been "routinely and systematically released" and could result in a release of hazardous constituents. A Site that met the definition of a SWMU or AOC was evaluated for inclusion in the Permit based on the following criteria: (1) the SWMU/AOC is exposed to storm water (e.g., not capped or subsurface); (2) the SWMU/AOC contains "significant industrial material" (e.g., not cleaned up or has contamination in place); and (3) the SWMU/AOC potentially impacts surface water. The investigation and remediation of SWMUs and AOCs under the Consent Order began before the effective date of the Individual Permit and continues concurrently with implementation of the Individual Permit.

The Individual Permit treats a Site as an "industrial activity" that creates a "point source discharge" and directs the Permittees to monitor storm water discharges from Sites at specified sampling points known as site monitoring areas (SMAs). The sampling point for an SMA is selected based on Site accessibility and the Permittees' best judgment to ensure that samples collected at a particular point will be representative of discharges from Sites in the drainage area. The original sampling locations given in Appendix B of the Permit are specified and approved by the EPA. An SMA may include more than one Site; in addition, storm water from a Site may drain to multiple subwatersheds and may be associated with multiple SMAs.

The Permit establishes target action levels (TALs) that are used as benchmarks to determine the effectiveness of control measures implemented under the Permit. That is, confirmation monitoring sample results for an SMA are compared with applicable TALs. If one or more confirmation monitoring result exceeds a TAL, the Permittees must take corrective action. The Permit requires that the Permittees either certify to EPA completion of corrective action at each Site by a specific deadline or seek to place individual Sites into alternative compliance, whereby completion of corrective action will be accomplished on a case-by-case basis pursuant to an individually tailored compliance schedule determined by EPA. Figure 1-1 is a "road map" illustrating key activities in the Individual Permit and shows the steps involved in the corrective action process.

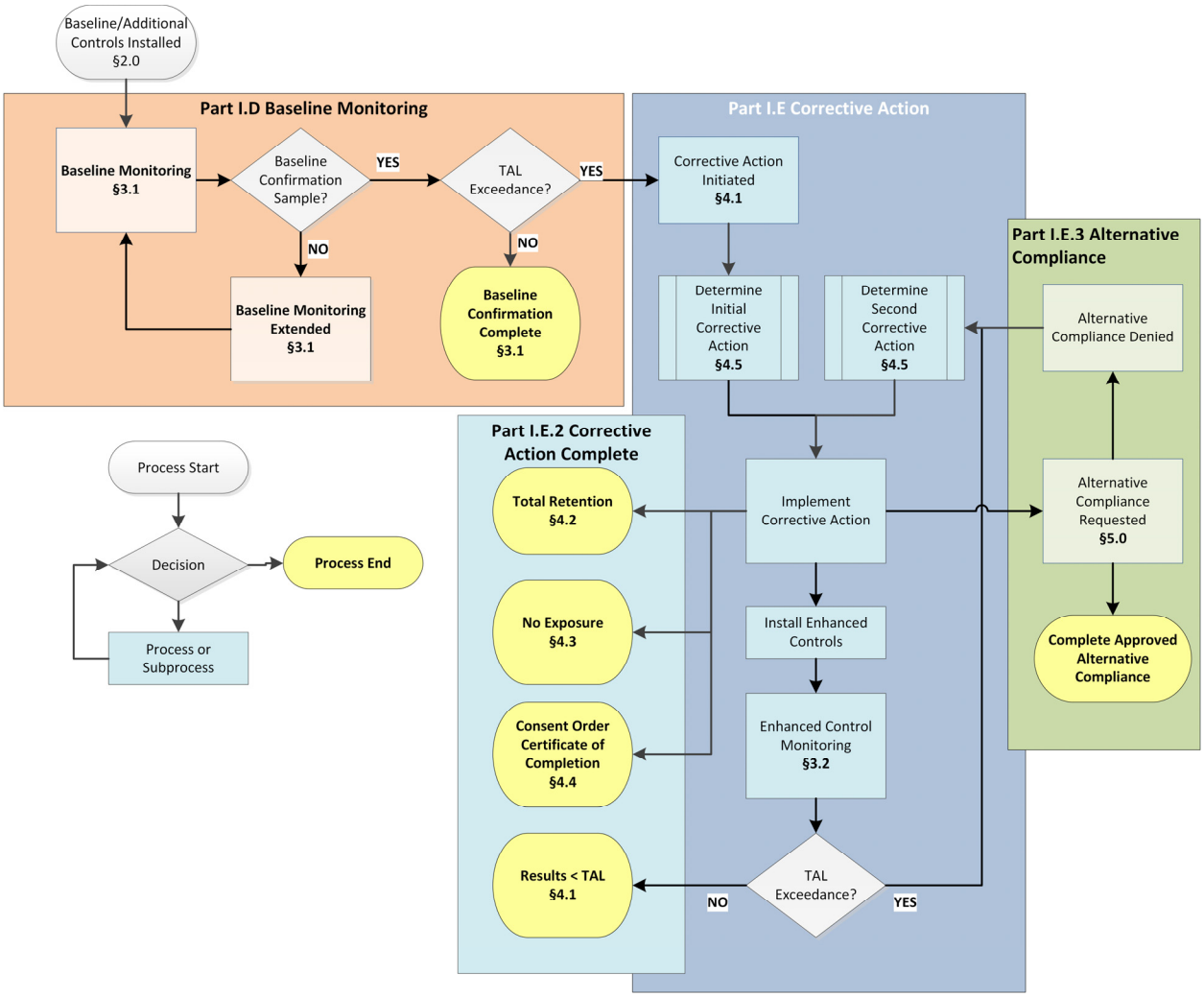


Figure 1-1 Permit compliance roadmap

This annual status report was prepared to meet the requirements of Part I.H.2(a) through (k) of the Individual Permit. Each requirement is addressed separately in this report and includes for each SMA (or Site) a summary of Site-specific status during the reporting period, as described in Table 1-1.

The Permit as issued November 1, 2010, authorized discharges at 405 Sites associated with 250 permitted features (i.e., outfall numbers) and SMAs as provided in Appendix D of the Permit. Five administrative changes since the initiation of the Permit have split one Site, 32-002(b), into two Sites, 32-002(b1) and 32-002(b2). Site 22-010(b) was identified as existing within PJ-SMA-5.1, and Site 14-002(c) was identified as existing within CDV-SMA-6.02. Site 16-026(h2) was removed and replaced by Site 16-029(e) within W-SMA-7. The drainages of the SMAs associated with these Sites were not affected by these administrative changes. These changes are reflected in Tables 1-2 and 1-3, which list and summarize the permitted features, SMAs, Sites, and associated rain gages within each of the major watersheds. These administrative Site changes are described more fully in Section 10 of this report.

2.0 BASELINE CONTROL MEASURES ACTIVITIES

The Laboratory completed baseline control measure (BCM) installation and certification activities in 2010 and 2011 and successfully met the Part I.B.1 requirements within the Permit deadlines as detailed in Appendix E of the Individual Permit. Following the installation and certification of the BCMs, the Laboratory continued field efforts in 2012, 2013, and 2014 to install additional controls. All controls installed were maintained in effective operating condition per Part I.B.2 of the Permit. Controls were repaired or replaced when any inspection, event, or observation identified that it was not operating effectively.

2.1 Description of Baseline Control Measures

A detailed list of all BCMs installed and operating on December 31, 2014, at each SMA is provided in Appendix C of this Annual Report. Additional baseline controls installed and enhanced controls are also assigned erosion control (EC), sediment control (SC), run-on control (RON), and runoff control (ROFF) functionality, as described in Appendix C of this Annual Report. The general types and intended purposes of BCMs include the following:

- EC and SC measures: These BCMs are intended to minimize the potential for erosion when storm water runoff flows across an area, to minimize sediment transport, and to retain transported sediment on-site.
- RON and ROFF: These BCMs are intended to divert, infiltrate, reuse, contain, or otherwise reduce storm water run-on and/or runoff.

2.2 Additional Control Measures

The Laboratory continued a field effort during 2014 to supplement certified BCMs with additional control measures at some SMAs. These additional control measures consisted of berms, caps, channel/swales, check dams, gabions, sediment traps and basins, and seed and mulch. Additional control measures are installed to improve existing SMA controls and in response to changing SMA conditions. These additional controls are not certified as enhanced controls because they are installed at SMAs in the baseline monitoring Permit phase (e.g., no TAL has been exceeded) or the controls installed do not meet criteria for certification under Part I.E.2 of the Permit. The installation of additional controls does not affect the compliance status of the Site or monitoring status at the SMA.

Table 2-1 summarizes the 206 additional controls installed at 69 SMAs during 2014 and the 27 controls installed to replace retired controls at 19 SMAs during 2014.

3.0 CONFIRMATION MONITORING REQUIREMENTS

The requirements for collecting confirmation monitoring samples following installation of control measures are described in Part I.D of the Permit. Any sampling performed for purposes of confirmation monitoring at a particular SMA must be collected during at least two (2) separate “measurable storm events” occurring at least fifteen (15) days apart. A measurable storm event is defined as a storm that results in an actual discharge from the Site or Sites and that produces sufficient volume to perform the required analyses. Minimum and suggested sample volumes required to perform each specific analysis are presented in Table 3-1. Snow melt samples cannot be used for purposes of confirmation monitoring. Grab samples must be collected within the first thirty (30) minutes of, but no later than one (1) hour after, a measurable storm event.

Samples are not used for the purpose of confirmation monitoring if they meet any of the following conditions:

- non–storm water discharge was collected,
- storm water was collected within 15 d of a confirmation monitoring sample,
- storm water was collected after the first hour of discharge,
- storm water was collected but was not storm water discharge from the Site(s), and
- storm water discharge was collected and analyzed but did not meet the minimum quality requirements of 40 Code of Federal Regulations (CFR) Part 136.

Part I.H.2(c) of the Permit requires that the Annual Report include monitoring results available during the reporting period.

The pollutants of concern to be monitored during baseline confirmation monitoring for each SMA are specified in Appendix B of the Permit. At a minimum, all SMAs are initially monitored for metals, gross-alpha radiation, radium-226 + radium-228, and cyanide (weak acid dissociable). Monitoring for polychlorinated biphenyl (PCB) compounds, high explosives, or other organic compounds is also required at some SMAs based on initial evaluations of storm water data and preliminary information on potential pollutant sources at the Sites within the subwatershed.

The State of New Mexico Standards for Interstate and Intrastate Surface Water (New Mexico Administrative Code [NMAC] 20.6.4, effective August 2013) contain numeric criteria for the protection of surface waters that have a designated use of Livestock Watering, including a standard for "Adjusted Gross Alpha," where

> **Adjusted gross alpha** means the total radioactivity due to alpha particle emission as inferred from measurements on a dry sample, including radium-226, but excluding radon-222 and uranium. Also excluded are source, special nuclear and by-product material as defined by the Atomic Energy Act of 1954. (NMAC 20.6.4.7.B)

The analytical laboratory measures and reports the gross-alpha radioactivity. The Permittees, DOE and LANS, have elected not to adjust the reported gross-alpha result for the 2014 baseline confirmation monitoring results. Gross-alpha activity represents the largest possible value for adjusted gross-alpha activity.

Monitoring must be conducted according to test procedures approved under Title 40 CFR Part 136, with the exception of the other test procedures specified in Part I.C of the Permit. Pollutants of concern monitored during corrective action monitoring can be reduced if previous confirmation monitoring results are below applicable TALs. A minimum of two confirmation samples with results below TALs must be collected and analyzed before a particular pollutant of concern at an SMA can be removed from monitoring requirements, except as provided in Part.I.E.5(d) and (e) of the Permit:

- Storm water discharge monitoring results based on validated analytical data showing pollutant concentrations above applicable TALs at any Site indicate corrective action is required as provided in Part I.E of the Permit.
- As provided in Part I.I.6 of the Permit, exceedance of a TAL does not indicate the Permittees are out of compliance with the requirements of the Permit provided they take the required corrective action within the relevant deadlines.

The Part I.C of the Permit requires analysis of Total PCBs using EPA Method 1668 Revision A or the most current revision of the congener method. Total PCBs using this method are calculated as the sum of analysis of 209 individual PCB congeners. The sensitivity of the congener analysis and the prevalence of certain PCB congeners worldwide means that ambient PCB concentrations at the analytical laboratory must be accounted for to prevent falsely elevated concentrations of PCBs in analytical results. The adjustments made to each analytical result are provided in Attachment 2 of this report, as required in Part II Appendix A of the Permit.

Samplers were activated at 163 SMAs beginning in March 2014. Table 3-2 provides a summary of confirmation monitoring occurring at SMAs in the baseline and corrective action Permit phases.

3.1 Baseline Confirmation Monitoring

As of January 1, 2014, baseline confirmation monitoring was continuing at 112 SMAs. During 2014 baseline confirmation monitoring, samples were collected from measurable storm events at 17 SMAs. As of December 31, 2014, baseline confirmation monitoring sample was continuing at 95 SMAs.

Part I.H.2(d) of the Permit requires that the Annual Report identify the pollutants that exceed applicable MTALs or ATALs. In 2014

- TAL exceedances occurred at 17 SMAs
- MTAL exceedances include aluminum, copper
- ATAL exceedances include gross-alpha, mercury, Ra-226+Ra-228, and total PCBs

The initial monitoring requirements and frequency of sampling for each pollutant of concern following installation and implementation of BCMs vary on a site-by-site basis, as specified in Part I.D.1 of the Permit.

- If no confirmation sample could be collected by October 31, 2011, or by April 30, 2012, from a measurable storm event, Part I.E.5(e) of the Permit requires that confirmation sampling shall continue until at least one sample is collected.

Baseline confirmation monitoring samples collected during 2014 are summarized in Table 3-3, which presents the analytical suites and analytes and pertinent information for the storm event that resulted in an actual discharge from the Sites as required by Part I.D.3 of the Permit. The meteorological data are taken from the rain gage assigned to each SMA, as discussed in Section 6.1, Post-Storm Inspections, of this Annual Report. Before 2014, a TAL exceedance was not detected during baseline confirmation monitoring at 9 SMAs: 2M-SMA-2.5, A-SMA-3.5, ACID-SMA-1.05, CDV-SMA-2.5, M-SMA-13, PJ-SMA-14.8, PJ-SMA-16, R-SMA-2.3, and W-SMA-9.05. No further confirmation sampling is required at these SMAs, except as directed by Part I.E.5(c) of the Permit.

Before 2014, baseline confirmation monitoring samples were collected at CDV-SMA-1.2 on September 12, 2013, and at 2M-SMA-1.67 on September 15, 2011. All results from storm water collected at each SMA were below TALs; however, high explosives analyses were conducted after the permitted 7-d holding time. Sampling at 2M-SMA-1.67 continued in 2012, 2013, and 2014. Because of an administrative error, sampling was not attempted at CDV-SMA-1.2 in 2014. In 2015, baseline monitoring will continue at both SMAs to collect a confirmation monitoring sample with quality indicators sufficient to confirm the presence or absence of high explosives compounds at these SMAs.

3.2 Enhanced Control Confirmation Monitoring

As of January 1, 2014, enhanced control confirmation monitoring was continuing at 38 SMAs. In 2014 samples were collected at 15 SMAs, ending enhanced control monitoring. Enhanced control monitoring was initiated at 13 SMAs. As of December 31, 2014, enhanced control confirmation monitoring will continue at 36 SMAs. Confirmation monitoring samples collected during 2014 after the certification of enhanced controls are presented in Table 3-4, which summarizes the analytical suites and analytes and pertinent information for the storm event that resulted in an actual discharge from the Sites, as required by Part I Section D.3 of the Permit. The meteorological data are collected from the rain gage assigned to each SMA, as discussed in Section 6.1, Post-Storm Inspections, of this Annual Report.

Three samples collected and analyzed in 2014 did not meet the requirements for enhanced control confirmation monitoring. Samples collected at PT-SMA-0.5 on August 6, 2014; at W-SMA-1.5 on July 31, 2014; and at S-SMA-0.25 on September 28, 2014, and submitted for analysis did not meet the criteria for confirmation monitoring, as summarized in Table 3-5, and were not used to assess the effectiveness of the implemented control measures. The sample collected at PJ-SMA-20 on May 22, 2014, was analyzed and reported as a condition of completion of corrective action per Part I.E.1(b) of the Permit.

3.3 Confirmation Monitoring Analytical Data

The 2014 detailed confirmation monitoring analytical results for metals, general inorganics, radioactivity, total PCBs, and other detected organics are presented in separate tables in Appendix B. Analytical data are qualitatively discussed in the Site Discharge Pollution Prevention Plan (SDPPP).

The validated analytical monitoring results for confirmation samples are compared with the applicable TALs established in Part I.C of the Permit. Table 3-6 summarizes the applicable maximum TAL (MTAL) and average TAL (ATAL) exceedances for the confirmation monitoring samples collected in 2014. The confirmation monitoring results from the confirmation monitoring sample are compared with the larger of the applicable MTAL and maximum quantitation limit (MQL) and the larger of the applicable ATAL and MQL. If TALs are exceeded , then the SMA is advanced to the planning stage to determine corrective action. If TALs are not exceeded in either comparison, confirmation monitoring is ended at the SMA, and the controls at the SMA continue to be inspected following defined “storm rain events.”

All analytical results for the Individual Permit storm water monitoring samples are available electronically from the Intellus NM database, available at http://intellusnm.com/. All Individual Permit data from Intellus can be retrieved using the Primary Filter where “Location Group” is equal to “Individual Permit,” providing access to data that is within the date range of November 1, 2010, to present, and where “Parameter Groups” include GEN_CHEM, for cyanide (weak acid dissociable); METALS, for total and dissolved metals; PCB_CONG, for Total PCBs; PEST, for pesticides; RAD, for radioactivity; SVOC, for semivolatile organic compounds; DIOX/FUR, for dioxins; and HEXP, for high explosives.

4.0 CORRECTIVE ACTION ACTIVITIES

If confirmation monitoring sample results demonstrate that one or more TALs are exceeded at a Site, Part I.E, requires the Permittees to initiate corrective action. Corrective action consists of one of the following: (1) enhanced control measures to meet the TAL, (2) total retention of storm water discharges from the Site, (3) total elimination of exposure of pollutants to storm water at the Site, or (4) receipt of an NMED-issued certificate of completion under the Consent Order.

Part I.E.4 of the Permit categorizes the Sites into "High Priority Sites" (HPS) and "Moderate Priority Sites" (MPS) and establishes deadlines for corrective action based on this prioritization.

- If a baseline confirmation monitoring sample was not collected by September 30, 2012, the Permittees are required to certify completion of corrective action at "High Priority Sites" within one (1) year following receipt of results from the first successful confirmation sampling event. The deadlines to complete corrective action for High Priority Sites are presented in Table 4-1.
- Permittees are required to certify completion of corrective action at "Moderate Priority Sites" within five (5) years of the effective date of the Permit (October 31, 2015).

Three types of corrective action activities have been completed: (1) enhanced control measures, (2) no exposure, and (3) certificates of completion under NMED's Consent Order.

4.1 Enhanced Control Measures

Part I.E.2(a) of the Permit specifies that completion of corrective action may entail the design and installation of enhanced (additional, expanded, or better-tailored) control measures reasonably expected to achieve compliance with TALs for all Sites within an SMA drainage area. After certification of installation of enhanced controls, the Permittees must attempt to collect at least two (2) confirmation monitoring samples (one [1] confirmation sample shall be collected during each of at least two [2] separate measurable storm events occurring at least fifteen [15] days apart). If either validated confirmation analytical result for any specific pollutant of concern exceeds applicable TALs, the Permittees shall conduct visual inspections for all Sites within the SMA drainage area, reevaluate the existing control measures, and initiate further measures to achieve completion of corrective action as soon as practicable. Table 4-2 summarizes the 38 enhanced controls installed at 9 SMAs in 2014. The installation of enhanced controls signifies a compliance status change and monitoring status change at the SMA from corrective action planning to corrective action monitoring.

As of December 31, 2014, there have been no SMAs where enhanced controls confirmation sampling results were below the TAL that would allow for completion of corrective action under Part I.E.2(a) of the Permit.

4.2 Total Retention

Part I.E.2(b) of the Permit specifies that completion of corrective action may also be achieved through installation of control measures that "totally retain and prevent the discharge of storm water" from a Site. No further confirmation sampling is required under this option, unless required by Part I.E.5(c) of the Permit.

Design of a storm water management system to complete corrective action using the total retention alternative requires determining a specific storm water volume for which retention is to be provided. This storm water volume is calculated uniquely based on precipitation depth over a specified area and the unique conditions of each SMA. No requests to approve corrective action complete via total retention were submitted to EPA in 2014. There are no Sites where corrective action has been completed under Part I.E.2(b) of the Permit.

4.3 No Exposure

Part I.E.2(c) of the Permit specifies that completion of corrective action may be accomplished through the installation of control measures to totally eliminate exposure of pollutants to storm water at a Site. Once the control measures have been certified and submitted to EPA, no further confirmation sampling is required, unless required by Part I.E.5(c) of the Permit.

Part I.H.2(g) of the Permit requires that the Annual Report identify Sites which meet No Exposure status.

Part I.E.1(b) of the Permit requires that once the installation of measures to totally eliminate exposure of pollutants to storm water at a Site are installed, certified, and demonstrated to perform their function, the Permittees shall collect one sample and make the analytical results available via email notification and on the public website. On August 12, 2014, analytical results for Site 54-017 at PJ-SMA-20 (LANL 2014, 260189) were made available on the public website and notification was made via email. No other no exposure samples of this type were collected in 2014.

As of December 31, 2014, corrective action is complete at 11 SMA/Site combinations with certification of control measures to totally eliminate exposure of pollutants, as listed in Table 4-3. Corrective action was completed at SMAs through certification of control measures to totally eliminate exposure of pollutants to storm water under Part I.E.2(c) of the Permit.

4.4 Certificate of Completion under NMED's Consent Order

Part I.E.2(d) of the Permit specifies a fourth option for completing corrective action through demonstration that the Site has achieved RCRA "corrective action complete without controls/corrective action complete with controls" status or a certificate of completion under NMED's Consent Order. Once completion of corrective action has been certified and submitted to EPA, no further confirmation sampling is required, except as provided by Parts I.E.5(c) and I.2(b) of the Permit.

Part I.H.2(h) of the Permit requires that the Annual Report identify Sites that meet "corrective action complete without controls/corrective action complete with controls" under RCRA or that have been issued a certificate of completion under the NMED Consent Order.

As of January 1, 2014, 38 Sites had been issued certificates of completion under the Consent Order, no additional Sites received certificates of completion in 2014. The Sites that have received certificates of completion are listed in Table 4-4 and are included in Attachment 1. At 25 Sites, corrective action is complete under Part I.E.2(d) of the Permit. These Sites are listed in Table 4-4 with the Stage of "CACompD." A total of 13 Sites with certificates of completion under the Consent Order remain in baseline monitoring and are therefore not eligible for completion of corrective action at this time.

4.5 Evidence of Contaminated Runoff Where Monitoring Has Ceased

Part I.E.5(c) of the Permit requires that if Site(s) where monitoring has ceased later exhibits any of the following conditions,

- evidence of discharge of contaminated runoff, or
- conditions that could lead to a discharge of contaminated runoff, or
- other monitoring data shows an exceedance of applicable TALs,

the Permittees shall initiate appropriate actions to correct the identified problems within thirty (30) days of becoming aware of the situation. As of December 31, 2014, these conditions have not been identified at any Site where monitoring has ceased.

4.6 Force Majeure Requests and Notifications

The Permittees may seek EPA approval for an extension to a deadline when a force majeure event causes a delay in meeting the obligation to confirm completion of corrective action by a specified deadline. No force majeure events occurred in 2014. However, recovery from the force majeure flood event in September 2013 continued and repairs were completed at 65 SMAs into 2014, as described in Table 4-5.

5.0 ALTERNATIVE COMPLIANCE

On April 21, 2014, a request for alternative compliance was made to EPA for Site 50-006(d), monitored at M-SMA-7.9. A response to written public comments on the alternative compliance request was completed on November 25, 2014 (LANL 2014, 600041). Based on public comments, the Permittees requested that EPA delay its response to the alternative compliance request for M-SMA-7.9 until the Permittees can deploy, collect, and analyze paired run-on/runoff storm water samples for Site 50-006(d).

On April 15, 2014, the Permittees submitted a request to EPA (LANL 2014, 255438) to extend the deadline to place Site 01-001(f) in LA-SMA-2.1 into alternative compliance until October 21, 2014. On September 30, 2014, installation of enhanced control measures was certified for Site 01-001(f) and submitted to EPA (LANL 2014, 261903).

6.0 SUMMARY OF INSPECTIONS

This section summarizes activities undertaken by the Permittees during the 2014 annual reporting period to meet the requirements for five types of inspections specified in Part I.

Part I.H.2(k) of the Permit requires that the Annual Report summarize inspections performed in accordance with Sections G.1 (Erosion Inspections and Reevaluation) and G.2 (Post-Storm Inspection) as well as for any visual inspections performed under Section E.1 (Confirmation Results above Target Action Levels).

Post-Storm Inspection—Part I.G.2: Inspections of control measures at any Site affected by a "storm rain event" are reported in Section 6.1 of this report.

Annual Erosion Evaluation Inspection—Part I.G.1: Annual Site-specific inspection for changes of conditions affecting erosion or after notice of a significant event that could impact the control measures are reported in Section 6.2 of this report.

Significant Event Inspection—Part I.G.1: Site-specific inspection after notice of a significant event that could impact the control measures are reported in Section 6.3 of this report.

Visual Inspection for TAL Exceedances—Part I.E.1: Visual inspections for all Sites at SMAs where TAL exceedances are observed are reported in Section 6.4 of this report.

Remediation Construction Activity Inspections—Part I.I.1: Weekly inspections to ensure sediment and runoff control measures are maintained in good order at Sites where remediation construction activities, such as installation of control measures, cause soil disturbance are reported in Section 6.5 of this report.

Sampler Inspections—Part I.D.3: Inspections of sampling equipment performed to collect water and to maintain samplers in operating condition are reported in Section 6.6 of this report.

6.1 Post-Storm Inspections

Part I.G.2 of the Permit requires that the facility's Pollution Prevention Team (PPT) inspect control measures and storm water management devices at any Site affected by a "storm rain event" within 15 calendar days after such storm rain event. A "storm rain event" is defined as a 0.25 in. or more intensive rain event occurring within 30 min. If several storms exceeding the above intensity threshold occur within 15 d from the first event, a single inspection following these storms is sufficient for compliance, provided the inspection occurs no more than 15 d from the date of the first storm.

Precipitation data are collected year-round at meteorological towers across the Laboratory. In addition, an extensive seasonal rain gage network is deployed from April to November when rain precipitation is most likely to occur on the Pajarito Plateau. Using a geospatial information system, SMAs are given a seasonal assignment to an individual rain gage using the method of Thiessen polygons. The use of the extended rain gage network directs the PPT response to only those SMAs where precipitation exceeds the established threshold. Table 6-1 lists the rain gages in use for the 2014 season and the numbers of SMAs assigned to each rain gage. Table 1-2 details the rain gages assigned to each SMA and Site. Procedures for managing precipitation data are described in more detail in the SDPPP.

Table 6-2 lists the SMAs where post-storm inspections triggered by "storm rain events" that met or exceeded the 30-min 0.25-in. threshold were conducted in 2014. In 2014, 1052 individual post-storm inspections were conducted at SMAs in response to storm rain events. All post-storm inspections were conducted within 15 d from the storm rain event. Adverse weather conditions did not prevent Site inspections from occurring within the required 15 d.

During the monsoon season (from July to September), several storm rain events occurred within 15 d from the first event. As allowed by the Permit, a single inspection following these storms was conducted no more than 15 d from the date of the first storm. Table 6-2 indicates where a single inspection was conducted following two or more closely spaced storm rain events.

6.2 Annual Erosion Evaluation Inspections

Part I.G.1 of the Permit requires that the facility's PPT inspect and evaluate each Site annually for changes of conditions affecting erosion. Table 6-3 summarizes each of the 250 2014 annual erosion evaluation inspections at the 250 SMAs and all their associated Sites. Annual inspections were conducted in the months of October and November.

6.3 Significant Event Inspections

The facility's PPT must inspect and reevaluate all Sites after notice of a significant event, such as a fire or flood that could significantly impact control measures and environmental conditions in the affected area. No significant events occurred in 2014.

6.4 Visual Inspections for TAL Exceedance

Part I.E.1(a) of the Permit requires that after baseline or enhanced control measures are installed, if any validated sample analytical result for a specific pollutant of concern at a particular SMA is greater than the applicable MTAL (or applicable MQL, whichever is greater) or the average of all applicable sampling results is greater than the applicable ATAL (or applicable MQL, whichever is greater), the Permittees shall conduct visual inspections for all Sites within the SMA drainage area. TAL exceedance inspections were conducted at 32 SMAs during 2014. Table 6-4 summarizes the 32 visual inspections conducted in 2014.

6.5 Remediation Construction Activity Inspections

Part I.I.1 of the Permit requires that if soil must be disturbed to install a control measure, the Permittees shall take all necessary steps to minimize migration of sediments and runoff from disturbed sites. The Permittees shall conduct Site inspections once a week to ensure sediments and runoff control measures are maintained in good order. Corrective actions shall be made immediately if deficiencies of control measures are noticed by either inspectors or contractors. Table 6-5 presents the 33 remediation construction activity inspections conducted at 7 SMAs in 2014.

6.6 Sampler Inspections

Part I.D.3 of the Permit describes the procedures for collecting storm water samples to fulfill the requirements of confirmation monitoring. The facility's PPT uses programmable Model 3700 Portable Samplers from Teledyne ISCO to collect storm water. Each sampler is configured with a Model 1640 Liquid Level Actuator and is powered by a sealed rechargeable 12-volt 35-amp-hour lead-acid battery. Samples are collected in 1-L certified clean polyethylene or glass bottles, as approved for use under 40 CFR Part 136, for the analysis being performed.

Sampling equipment for confirmation monitoring was activated beginning on March 11, 2014, during the year as corrective action monitoring was initiated and was shut down during the year as sampling requirements were fulfilled. To prevent damage to equipment during the winter months and to avoid collecting snow melt, all samplers were deactivated by December 5, 2014. During periods when samplers were in place, inspections are conducted to confirm sampler operability and to retrieve storm water collected from measurable storm events. Samples from measurable storm events are placed on ice during retrieval from the field and filtered and preserved as specified in 40 CFR Part 136 before they are shipped to off-site subcontracted analytical laboratories. Maximum holding times, allowed bottle types, and required preservation are provided in Table 3-1 and in Appendix B.

In 2014, sampling equipment was inspected on 1453 different occasions. Samplers were capable of collecting measurable discharges during 1423 inspections. In the aggregate, the sampling equipment was capable of collecting measurable discharge during 97.9% of inspections. On 30 occasions samplers were inspected and found not to be ready to collect samples. When this occurred, the days of inoperability were deduced from available information. The estimate of the loss of sampler-days of operability was made from the previous inspection if other information was not available. In 2014, 490 total days of inoperability were calculated based on this methodology. This is a reduction in 166 d of inoperability compared with 2013 and a reduction in 739 days of inoperability compared with 2012. During inspections, the samplers could not collect measurable discharge under the following circumstances, resulting in the possible loss of sampler-days of operability, as noted.

- Table 6-6 describes 3 sampler inspections when the sample collected did not meet the requirements for confirmation monitoring given in Part 1.D.3 of the Permit. The sampling equipment was operable but incapable of collecting storm water from a measurable storm event, resulting in the loss of 30 sampler days.
- Table 6-7 describes 2 sampler inspections conducted at 2 SMAs when the battery voltage was not sufficient to operate the sampling equipment, resulting in the loss of as many as 74 sampler days of operability.
- Table 6-8 describes 9 sampler inspections conducted at 8 SMAs when the sampling equipment malfunctioned and required repairs, resulting in the loss of as many as 227 sampler days of operability. Samplers at A-SMA-1 and PJ-SMA-14.4 with multiple failures will be replaced before the 2015 monitoring season.

- Table 6-9 describes 16 sampler inspections at 12 SMAs when the sampling equipment was inoperable after it was triggered, resulting in the loss of as many as 159 sampler days of operability.

Measurable discharge can be generated from precipitation less intense than that required to trigger a post-storm inspection of control measures. Samplers are inspected for the presence of storm water on a graded precipitation intensity scale ranging from 0.1 to 0.25 in. within 30 min and a graded total accumulation scale ranging from 0.25 to 1.5 in. within 24 h. The presence of precipitation intensity exceeded 0.1 in. within 30 min or total rain fall exceeded 0.25 in. during 24 h during the periods when samplers were incapable of collecting a sample are included in Tables 6-6 through 6-9 to help identify instances with the possibility of loss of discharge. Table 6-10 presents the total rainfall intensity and total daily precipitation at each active rain gage during 2014 on every day when precipitation intensity exceeded 0.1 in. within 30 min or total rain fall exceeded 0.25 in. during 24 h.

7.0 SUMMARY OF SDPPP CHANGES

The original SDPPP was published and submitted to EPA on April 30, 2011, as required by Part I.F.4 of the Permit. The first revision (Revision 1) of the SDPPP was completed by and submitted to EPA on May 1, 2012. The 2013 annual update to the SDPPP was published on May 1, 2014. The Permit requires that the SDPPP be updated annually to incorporate fully all changes made during the previous year and to reflect any changes projected for the following year.

Part I.F.3 of the Permit requires that the Permittees keep, at a minimum, documents and records with the SDPPP as necessary to reflect the following:

a. Construction or a change in design, operation, or maintenance at the facility having a significant impact on the discharge, or potential for discharge, of pollutants from the facility;

b. Findings of deficiencies in control measures during inspection or based on analytical monitoring results;

c. Any change of monitoring requirement or compliance status;

d. Any change of SMA location; and

e. Summary of changes from the previous year's SDPPP.

If any of the circumstances described above occur at any Site, the Permittees must address these changes or deficiencies to ensure compliance with Permit conditions and applicable monitoring requirements. All changes must be incorporated into the SDPPP, and a summary of these changes must be included in the Annual Report.

The 2014 annual update to the SDPPP will be published by May 1, 2015. The following sections summarize the changes to the SDPPP associated with the requirements in Part I.F.3 of the Permit.

7.1 Activities Impacting Discharge

On December 6, 2014, a leaking coupling on a deionized water system was discovered in Building 45 at Technical Area 48. An estimated volume of less than 400 gal. was discharged outside the building. The area where the water flowed, M-SMA-4, is permitted under the NPDES Storm Water Individual Permit. The SMA was assessed for environmental impacts, the water was found not to have exited the Site, and no erosion occurred within the Site. Repairs on the line were completed on December 10, 2014; however, following completion of repairs, a second leak occurred and was discovered on December 11, 2014. An

estimated 100 gal. of water was discharged during this event and followed the same flow path as the initial release but did not appear to reach the initial Site. Repairs to the deionized water line were completed on December 17, 2014. On January 6, 2015, the NMED Storm Water Quality Bureau (SWQB) found the corrective actions taken to determine and minimize impacts to surface water from the spill were satisfactory.

7.2 Findings of Deficiency

A total of 271 individual control measures were installed from January 1 to December 31, 2014. In 2014, 1367 Permit-required inspections were conducted to assess both the individual control measures and overall site conditions for the 250 SMAs, as summarized in Section 6 of this report. A finding of deficiency is identified as a required inspection that was not performed or was not performed within Permit-defined time frames. In 2014, all post-storm inspections of control measures and storm water management devices were conducted within the required 15 d of the triggering "storm rain event," as described in Section 6.1 of this report.

7.3 Change of Monitoring Requirements or Compliance Status

As discussed in Section 8 of this report, Sites were categorized into six compliance phases in 2014. A change in the compliance status of a Site reflects movement between these phases. Section 8 of this report summarizes the compliance status of Sites and SMAs as of December 31, 2014; the Site compliance status will be included in the 2014 SDPPP annual update. Changes in monitoring requirements are summarized in Section 3 of this report, specifically identifying the SMAs where baseline confirmation monitoring has been completed and those SMAs where baseline monitoring will continue.

7.4 SMA Location Change

Minor sampler relocations were made at 6 SMAs during 2014 as allowed by Part I.D.2 of the Permit. The samplers relocated in 2014 are listed in Table 7-1. The sampler moves resulted in either minor increases or decreases in the drainage area of the SMA. Sampler coordinates and SMA drainage areas are updated in Attachment D, Physical Characteristics, in each volume of the SDPPP. In 2014, the boundaries of 13 SMAs were adjusted, and no Site boundaries were modified.

7.5 SDPPP Changes

The Laboratory must update the SDPPP annually to incorporate changes made during the previous year, per Part I.F.3 and F.4 of the Permit. Changes from the 2014 SDPPP fall into the following activities:

- Update descriptions of Site and SMA conditions and features, including
    - ❖ new or replaced BCMs to describe current control measures,
    - ❖ Site boundary changes, and
    - ❖ minor sampler movements.
- Update Site maps to reflect changes in current control measures and Site characteristics
- Update change of Site-specific compliance status, including identifying Sites that require corrective action per Part I.E of the Permit
- Schedule installation of additional control measures
- Update information on monitoring and inspection schedules and procedures

- Include precipitation data from the previous year
- Add training information
- Discuss records and documents associated with the requirements in Part I.F.3 of the Permit
- Update references and procedural documents
- Correct typographical and other scrivener errors

Table 7-2 summarizes the types of changes made to each of the 5 volumes of the SDPPP from January 1 to December 31, 2014. These changes are tracked alongside the current version of the SDPPP and will be incorporated into the annual SDPPP update, to be issued by May 1, 2015. A total of 986 changes were made to the 5 volumes of the SDPPP during this time period.

8.0 COMPLIANCE STATUS

Permitted Sites and SMAs must achieve defined and conditional milestones to remain compliant with the terms of the Individual Permit.

In recognition of the number of Sites and the unique characteristics of each Site, Part I.E.4 of the Permit categorizes the Sites into “High Priority Sites” and “Moderate Priority Sites” and establishes deadlines for corrective action based on this prioritization:

- Permittees are required to certify completion of corrective action at all “High Priority Sites” within three (3) years of the effective date of the Permit (October 31, 2013).
- Permittees are required to certify completion of corrective action at “Moderate Priority Sites” within five (5) years of the effective date of the Permit (October 31, 2015).

The 3- and 5-yr deadlines may be modified by conditions described in Section E.3, Alternative Compliance, or Additional Sampling Requirements in Part I.E of the Permit.

Table 8-1 summarizes the significant milestones for compliance phases identified under the Individual Permit.

The Permit defines two major Permit phases: (1) baseline and (2) corrective action. SMAs and their associated Permit-defined Sites enter and leave these two Permit phases as a unit. This allows Permit-phase counting to be equal to the 250 permitted SMAs.

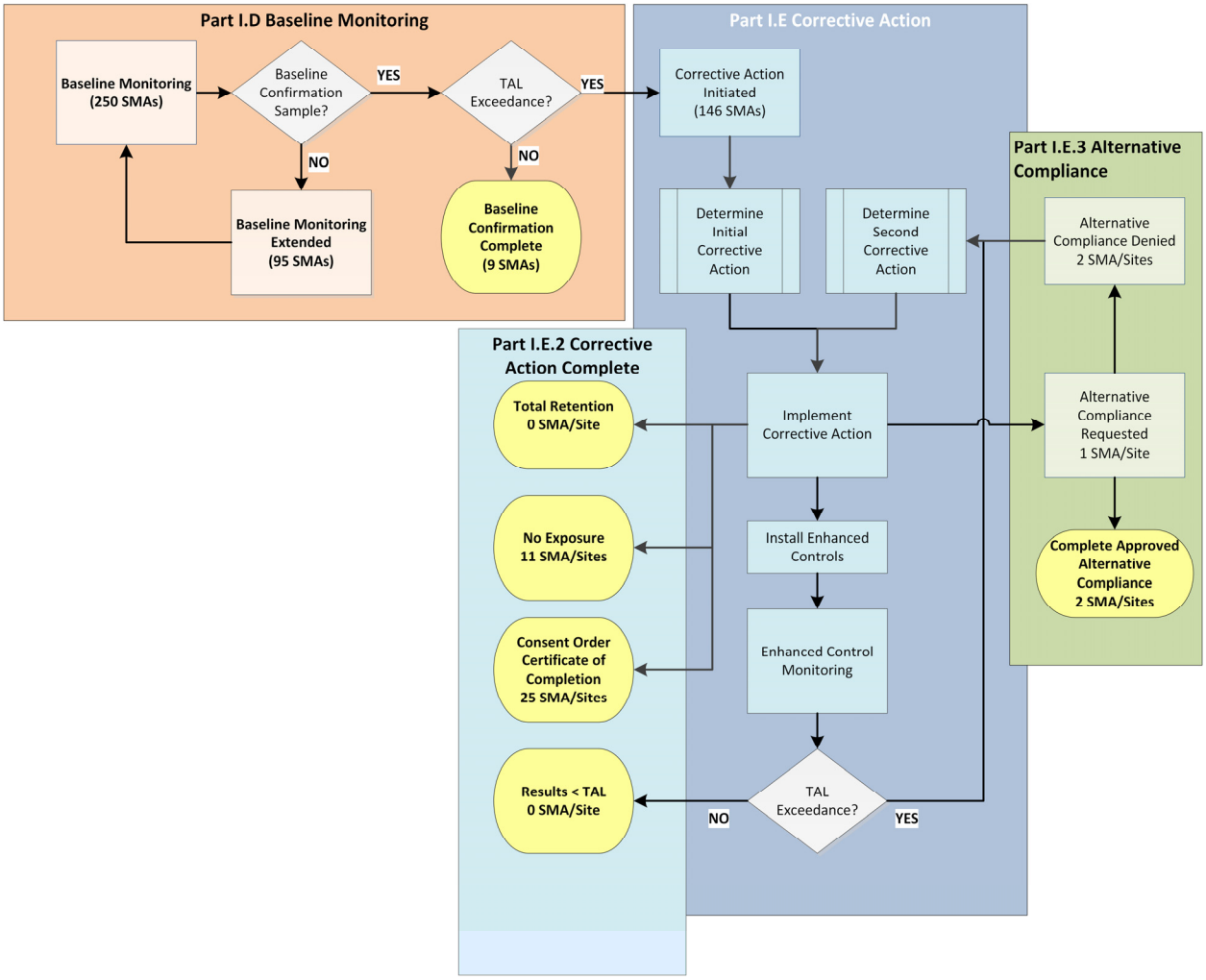
As of December 31, 2014, 104 SMAs were in the baseline Permit phase. In the baseline Permit phase, two compliance status categories exist: (1) baseline monitoring extended (MEx) and (2) baseline confirmation complete (BCComp), as described in Table 8-2.

The corrective action Permit phase is initiated, and baseline Permit phase ends, with the exceedance of a TAL in baseline confirmation monitoring conducted at a SMA. This Permit phase is denoted as corrective action initiated (CAI). As of December 31, 2014, 146 SMAs were in the corrective action Permit phase. In the corrective action Permit phase, 15 compliance status categories exist, as presented in Table 8-2.

Because of the complexity of the Permit, where one Site may be contained within multiple SMAs, multiple compliance status may exist for one Site. Compliance status is reported by the unique Permit defined SMA to Site relationship, referred to as the SMA/Site combination. Table 8-2 describes the Permit phase associated with each compliance status category as well as provides counts by compliance status stage for the 452 unique SMA/Site combinations.

8.1 Compliance Status Changes

The Permit compliance status for the 2014 annual reporting period is summarized in Table 8-2 and is shown in Figure 8-1. Table 8-3 shows the SMA/Site combination compliance status for the 452 SMA/Site combinations.



*Counts of the SMAs in Permit phase are shown in parenthesis. Counts of the compliance stage are shown as SMA/Site combinations without parenthesis.

Figure 8-1 Permit compliance status as of December 31, 2014

8.1.1 Baseline Monitoring Extended

As of December 31, 2014, 95 SMAs remain in baseline Permit phase. These 148 SMA/Site combinations remained in extended baseline monitoring. These 148 records are coded with the initiation of corrective action "—" in Table 8-3.

- Samples from 2M-SMA-1.67 collected in 2011 indicated no TAL exceedances, but the high explosives analysis did not meet minimally acceptable quality criteria so the results were not accepted for confirmation monitoring. Baseline monitoring continued in 2012, 2013, and 2014 and will continue at this SMA until confirmation monitoring for high explosives can be conducted.

- Samples from CDV-SMA-2.5 collected in 2012 indicated no TAL exceedances, but the semivolatile analyses did not meet minimally acceptable quality criteria so the results were not accepted for confirmation monitoring. A confirmation monitoring sample was collected and analyzed in 2013. No TAL exceedances were observed, and quality criteria were acceptable for confirmation monitoring. Baseline monitoring is complete at CDV-SMA-2.5.
- Samples from CDV-SMA-1.2 collected on September 13, 2013, indicated no TAL exceedances, but the semivolatile analyses did not meet minimally acceptable quality criteria so the results were not accepted for confirmation monitoring. Baseline confirmation monitoring was not attempted in 2014 but will continue at this SMA in 2015.

8.1.2 Baseline Confirmation Complete

All confirmation monitoring samples collected in 2014 exceeded at least one applicable TAL; therefore, no additional SMAs are considered complete in the baseline Permit phase. To date, baseline confirmation is complete at 11 SMA/Site combinations. Analytical results for all pollutants of concern are at or below the MTALs or applicable MQLs, and the geometric means of all applicable sampling results are at or below the ATALs or the applicable MQLs, whichever is greater. No further sampling is required for the Sites within the applicable SMAs for the remaining period of the Permit. These 11 records are coded with the stage initiating corrective action "<TAL" in Table 8-3.

> Part I.E.1(d) of the Permit extends the compliance deadline for High Priority Sites. If no confirmation sample could be collected because of a lack of a measurable storm event before the second year of the Permit (or before September 30, 2012), then the compliance deadlines for corrective action under Section E.4 below shall be extended for a one-(1-) yr period following the first successful confirmation sampling event.

8.1.3 Corrective Action Initiated

Corrective action is initiated as a result of a TAL exceedance during baseline confirmation monitoring. As of December 31, 2014, corrective action had been initiated at 293 SMA/Site combinations.

8.1.4 Description of Corrective Actions Planned

At 180 SMA/Site combinations, corrective action has been initiated and the Permittees are in the planning phase to determine the appropriate corrective action. The planned corrective action for each of the combinations is listed in Table 8-4.

- Alternative compliance will be submitted for 72 SMA/Site combinations. These 72 records are coded with the corrective action response "S6B" in Table 8-3.
- The actions necessary to complete corrective action are being determined at 55 SMA/Site combinations. These 55 records are coded with the corrective action response "S7" in Table 8-3.
- Enhanced controls are being constructed at 15 SMA/Site combinations. These 15 records are coded with the corrective action response "BEC" in Table 8-3.
- No exposure is the corrective action planned at 4 SMA/Site combinations. These 4 records are coded with the corrective action response "S6A" in Table 8-3.
- Completion of corrective under the Permit is expected to be obtained with a certificate of completion from NMED at 33 SMA/Site combinations. Table 8-3 lists additional SMA/Site

combinations with certificates of completion from NMED that are not yet eligible for completion of corrective action.

- The Permittees have received a certificate of completion from NMED at 3 SMA/Site combinations. These 3 records are coded with the corrective action response "S1" in Table 8-3.
- The Permittees have requested a certificate of completion from NMED at 8 SMA/Site combinations. These 8 records are coded with the corrective action response "S2" in Table 8-3.
- The Laboratory recommended completion of corrective action with a completed investigation report at 19 SMA/Site. The Permittees will request a certificate of completion from NMED following approval of the investigation report. These 19 records are coded with the corrective action response "S3" in Table 8-3.
- The Laboratory expects to recommended completion of corrective action in an investigation report that is currently being prepared at 3 SMA/Site combinations. The Permittees will request a certificate of completion from NMED following approval of the investigation report. These 3 records are coded with the corrective action response "S4" or "S4a" in Table 8-3.
- 1 SMA/Site combination is coded with the corrective action response "FMCOC" in Table 8-3. "FMCOC" indicates the Permittees are unable to complete corrective action based on a force majeure event. The single SMA/Site combination in this category is awaiting the approval of a Supplemental Investigation Report recommending a certification of completion from NMED.

8.1.5 Enhanced Control Monitoring

Enhanced controls at 73 SMA/Site combinations have been effective in preventing additional TAL exceedances. These remain in the corrective action monitoring. These 73 records are coded with the corrective action response "CAM5" or "CAM3" and the completion of enhanced control monitoring "In Process" in Table 8-3.

8.1.6 Corrective Action Complete

As of December 31, 2014, corrective action was completed at 36 SMA/Site combinations. Eleven of these records are coded with the corrective action response "CACompC," indicating corrective action is complete with a certification of no exposure. Twenty-five of these records are coded with the corrective action response "CACompD," indicating corrective action is complete with a certificate of completion under NMED's Consent Order. The date corrective action was certified as complete is provided in the completion of corrective action column.

8.1.7 Alternative Compliance Requested

When the Permittees are unable to certify completion of corrective action under Part I.E.2(a) though (d) of the Permit, individually or collectively, Part I.E.3 allows them to file a written request for alternative compliance with the EPA at least 6 mo before the applicable deadlines to complete corrective action. On April 21, 2014, the Permittees submitted a request for alternative compliance (LANL 2014, 255539) for Site 50-006(d) monitored at M-SMA-7.9 (LANL 2014, 255538). A response to written public comments on the alternative compliance request was completed on November 25, 2014 (LANL 2014, 600041). Based on public comments, the Permittees requested that EPA delay its response to the alternative

compliance request for M-SMA-7.9 until the Permittees can deploy, collect, and analyze paired run-on/runoff storm water samples for Site 50-006(d). Once a minimum of two sets of run-on/runoff paired storm water samples is collected and analyzed, the Permittees will prepare and submit an addendum to the M-SMA-7.9 alternative compliance request to EPA.

Table 8-3 lists two SMA/Site combinations where alternative compliance has been approved, with the denotation "AltCompA." These SMA/Site combinations remain in corrective action and additional corrective action activities are planned for 2015, as directed by EPA. No approvals of alternative compliance were received in 2014.

8.2 24-h and 30-d Analytical Reporting

Part II.B of the Permit requires that exceedances of MTALs for any applicable pollutants are reported to EPA Region 6 and NMED-SWQB within 24 h from the time the Permittees become aware of the exceedance. In 2014, EPA Region 6 and the NMED-SWQB were notified of each MTAL exceedance listed in Table 3-6.

Part I.E.1(c) of the Permit requires the reporting of the first confirmation monitoring results obtained following installation of enhanced controls to EPA within 30 d of receipt of results.

- The first sampling results from samples collected at 2M-SMA-1.7, CDV-SMA-2.41, LA-SMA-5.35, PT-SMA-1, S-SMA-1.1, and S-SMA-3.53 were submitted to EPA on September 8, 2014 (LANL 2014, 260906) with enclosures (LANL 2014, 260907; LANL 2014, 260908; LANL 2014, 260909; LANL 2014, 260910; LANL 2014, 260911; LANL 2014, 260912).

8.3 Website Updates

Part I.I.7(a) of the Permit requires the Permittees to establish a website allowing public access to this Annual Report and other specified documents. The website is available at http://www.lanl.gov/community-environment/environmental-stewardship/protection/compliance/individual-permit-stormwater/index.php. Alternatively, the individual web pages can be accessed from the Laboratory's public home page by searching on the term "Individual Permit."

In 2014, the following documents were added to the Individual Permit web page on the Laboratory's public website.

- Five 2013 updates to the Revision 1 volumes of the SDPPP are available from the "Site Discharge Pollution Prevention Plan (SDPPP)" drop-down list.
- Current maps for each SMA showing information, including surface hydrological features, locations of Sites, samplers control measures, and roads and structures, are available from the "Site Monitoring Area Maps" drop-down list.
- Previous years' annual reports, compliance status reports, performance and sediment monitoring reports, and TAL exceedance reports are available from the "Reports" drop-down list.
- Certificates of completion of enhanced and baseline controls installed for the Individual Permit are available from the "Construction Certifications" drop-down list.
- Documents certifying completion of corrective action are available from the "Corrective Action" drop-down list.
- Documents related to requests for alternative compliance are available from the "Alternative Compliance" drop-down list.

- Reports related to the Individual Permit providing force majeure requests and notifications, general interest, and background information are provided from the "Miscellaneous EPA Submittals" and "Public Meeting" drop-down lists.
- Documents supporting the 2014 Individual Permit storm water permit renewal application are available from the "Renewal Application" drop-down list.

8.4 Email Notification

Part I.I.7(b) of the Permit requires the Permittees to establish a mechanism for the public to subscribe to email notifications about compliance with the Permit on the public website. The "Subscribe" function has been established and is available from each Individual Permit web page.

8.5 Public Meetings

Part I.I.7(c) of the Permit establishes a requirement for public meetings to be held approximately every 6 mo. Public meetings are advertised through the email notification process and in local newspapers. Public meetings were held on January 22, 2014, and on July 8, 2014. The agenda and presentations for these meetings are available at the "Individual Permit Public Meetings" page.

8.6 Compliance Audit

On behalf of the EPA, NMED conducted a NPDES Compliance Evaluation Inspection from August 25 to 28, 2014, and on September 12, 2014.

8.7 Permit Renewal Application

On March 27, 2014, the Permittees submitted a renewal application for the NPDES Individual Permit. Three categories of changes are proposed in the draft Permit: (1) substantive changes to reflect substantial new information from investigations and analysis conducted under the Consent Order and Individual Permit storm water collection; (2) organizational changes to clarify, improve, and facilitate understanding of requirements of the Individual Permit; and (3) nonsubstantive changes and correction of minor typographical errors.

9.0 CHANGES IN COMPLIANCE STATUS FROM LAST ANNUAL REPORT

9.1 Criteria for Compliance Status Changes

Part I.D.4(a) and (b) allow the reduction of monitoring requirements if confirmation results are below applicable TALs.

- If all analytical results for a particular pollutant of concern at a particular SMA are at or below the MTAL or the applicable MQL, whichever is greater, and the average of all applicable sampling results is at or below the ATAL or the applicable MQL, whichever is greater, sampling for that pollutant at the SMA is no longer required for the remaining period of the Permit.

A minimum of two (2) confirmation samples must be collected and analyzed before a particular pollutant of concern or a particular SMA may be removed from monitoring requirements, except as provided in Part I.E of the Permit:

- If during any period in which two confirmation samples are required only one confirmation sample could be collected from a measurable storm event, compliance with the applicable TALs will be determined by the single confirmation sample result [Part I.E.5(d)].
- If no confirmation sample could be collected from a measurable storm event during the applicable period, confirmation sampling shall continue until at least one sample is collected, and compliance with applicable TALs will be determined based on the single result from the first successful confirmation sampling event [Part I.E.5(e)].

9.2 2014 Compliance Status Changes

The Laboratory has discontinued monitoring at four SMAs based on the above criteria: CDB-SMA-4, PJ-SMA-17, PJ-SMA-18, and PJ-SMA-19. Inspection of the Sites and installed controls will continue in accordance with Part I.G of the Permit, and all control measures will be maintained in effective operating condition as required by Part I.B.2 and E.5(c).

10.0 REQUESTS FOR EPA APPROVAL

Two requests for EPA approval were submitted by the Permittees during the 2014 annual reporting period.

Part I.H.2(j) of the Permit provide lists of requests, for EPA's approval, including any requests for change of monitoring location or Site deletion and any requests to place a Site or Sites into alternative compliance (Part 1.E.3 of the Permit).

On April 15, 2014, the Permittees submitted a request for an extension to submit alternative compliance for Site 01-001(f) within LA-SMA-2.1 (LANL 2014, 255438). Because completion of corrective action for this Site required careful integration of the Individual Permit and the Consent Order, the Permittees requested additional time to draft the alternative compliance request, until October 24, 2014. On September 30, 2014, installation of enhanced control measures were certified to EPA for Site 01-001(f) (LANL 2014, 600041).

On April 21, 2014, the Permittees submitted a request for alternative compliance (LANL 2014, 255538) for Site 50-006(d) monitored at M-SMA-7.9 (LANL 2014, 255539).

The Permittees have identified four administrative errors within the SMA and Sites in the Permit. Notification of these errors is made here and in the annual SDPPP updates. Tables 1-2 and 2-3 have been modified to reflect these corrections, including the following:

- A typographical error in the Individual Permit Appendix B incorrectly identifies Site 46-004(e2) as part of CDB-SMA-0.55. This Site is actually within the drainage area of CDB-SMA-0.25.
- Review of Site descriptions and activities conducted at SWMUs and AOCs in the area within the PJ-SMA-5.1 drainage identified SWMU 22-010(b) as part of the SMA.

- Review of Site descriptions and activities conducted at SWMUs and AOCs in the area within the CDV-SMA-6.02 drainage identified SWMU 14-002(c) as part of the SMA.
- Review of the SWMUs and AOCs in the area within W-SMA-7 identified that Site 16-026(h2) was incorrectly associated with industrial materials to be monitored at the SMA. The Site intended for monitoring is 16-029(e), not 16-026(h2).

11.0 REFERENCES

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Table 1-1
Individual Permit Annual Report Requirements

Part I Requirement		Annual Report Section
Part	**Description**	
H.2 (a)	For each SMA (or Site), a summary of the Site-specific compliance status during the reporting period.	8.1, Compliance Status Changes Table 8-3, Site-Specific Compliance Status
H.2 (b)	Listing of SMA and associated Outfall and Site(s) numbers/identification.	1.0, Introduction Table 1-2, Permitted Features, SMAs, and Sites
H.2 (c)	Monitoring results available during the reporting period.	3.0, Monitoring Results Appendix B, Analytical Monitoring Results
H.2 (d)	Identification of pollutants which exceed applicable MTAL or ATAL.	3.1, Confirmation Monitoring TAL Exceedances Table 3-6, Summary of Confirmatory Monitoring TAL Exceedances
H.2 (e)	Description of baseline control measures installed, including the completion date or targeted completion date.	2.0, Control Measures Appendix C, Baseline Control Measures
H.2 (f)	Description of corrective actions required under Section E of this Permit to be taken or having been taken, including completion date or targeted completion date, and Progress update.	4.0, Corrective Actions Activities Table 8-3, Site-Specific Compliance Status
H.2 (g)	Identification of Sites that meet No Exposure status.	4.1.3, No Exposure
H.2 (h)	Identification of Sites that meet “corrective action complete without controls/corrective action complete with controls” under RCRA or that have been issued a certificate of completion by NMED under the Consent Order.	4.1.4, Certificate of Completion under NMED’s Consent Order
H.2 (i)	Highlights of any change of compliance status from the Annual Report.	9.0, Changes in Compliance Status from Last Annual Report
H.2 (j)	Lists of requests for EPA’s approval, including any requests for change of monitoring location or Site deletion and any requests to place a Site or Sites into Section E.3, Alternative Compliance.	10.0, Requests for EPA Approval
H.2 (k)	Summary of inspections performed in accordance with Individual Permit Section G.1 and 2 above, as well as for any visual inspections performed under Section E.1.	6.0, Summary of Inspections Table 6-2, Summary of Post-Storm Inspections Table 6-3, Summary of Annual Erosion Evaluation Inspections Table 6-4, Summary of Significant Event Inspections Table 6-5, Summary of Visual Inspections for TAL Exceedances Table 6-6, Summary of Remediation Construction Activity Inspections
E.5 (c)	Summary of any actions taken under paragraph E.5(c) of the Permit.	7.0, Summary of SDPPP Changes

Table 1-1 (continued)

Part I Requirement		Annual Report Section
Part	**Description**	
F.3	Maintenance of documents and records with the SDPPP as necessary to reflect a–e below. If any of the circumstances described [below] occur at any Site, the Permittees must address these changes or deficiencies to ensure compliance with Permit conditions and applicable monitoring requirements. All changes must be incorporated into the SDPPP and a summary of these changes must be included in the Annual Report.	7.0, Summary of SDPPP Changes
F.3(a)	Construction or a change in design, operation, or maintenance at the facility having a significant impact on the discharge, or potential for discharge, of pollutants from the facility;	7.1, Activities Impacting Discharge
F.3(b)	Findings of deficiencies in control measures during inspection or based on analytical monitoring results;	7.2, Findings of Deficiency
F.3(c)	Documenting change(s) of monitoring requirement or compliance status;	7.3, Change of Monitoring Requirements or Compliance Status
F.3(d)	Documenting change(s) of SMA location; and	7.4, SMA Location Change
F.3(e)	Summary of changes from the last year's SDPPP.	7.5, SDPPP Changes
I.5	This Permit may be reopened and modified in accordance 40 CFR §122.62. Any changes to monitoring and/or control measure requirements made to the Permit in accordance with such a permit modification shall be addressed in the Annual Report and in the annual SDPPP update.	10.0, Requests for EPA Approval

Table 1-2
Permitted Features, SMAs, and Sites

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Los Alamos/Pueblo	Rendija Canyon	RG-NCOM	R001	R-SMA-0.5	C-00-020
		RG-NCOM	R002	R-SMA-1	C-00-041
		RG038	R003	R-SMA-1.95	00-015
		RG-NCOM	R004	R-SMA-2.05	00-011(c)
		RG038	R005	R-SMA-2.3	00-011(e)
		RG038	R006	R-SMA-2.5	00-011(a)
	Bayo Canyon	RG-TA-53	B001	B-SMA-0.5	10-008
					10-004(b)
					10-004(a)
					10-009
					10-001(d)
					10-001(c)
					10-001(b)
					10-001(a)
		RG055.5	B002	B-SMA-1	00-011(d)
	Pueblo Canyon	RG055.5	P001	ACID-SMA-1.05	00-030(g)
		RG055.5	P002	ACID-SMA-2	01-002(b)-00
					45-004
					45-001
					45-002
		RG055.5	P002A	ACID-SMA-2.01	00-030(f)
		RG055.5	P003	ACID-SMA-2.1	01-002(b)-00
		RG-TA-53	P004	P-SMA-0.3	00-018(b)
		RG038	P005	P-SMA-1	73-004(d)
					73-001(a)
		RG038	P006	P-SMA-2	73-006
					73-002
		RG038	P007	P-SMA-2.15	31-001
		RG038	P008	P-SMA-2.2	00-019
		RG055.5	P009	P-SMA-3.05	00-018(a)
	Los Alamos Canyon	RG121.9	L001	LA-SMA-0.85	03-055(c)
		RG121.9	L002	LA-SMA-0.9	C-00-044
					00-017
		RG121.9	L003	LA-SMA-1	C-00-044
					00-017
		RG121.9	L004	LA-SMA-1.1	43-001(b2)
		RG121.9	L005	LA-SMA-1.25	C-43-001

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Los Alamos/Pueblo	Los Alamos Canyon	RG055.5	L006	LA-SMA-2.1	01-001(f)
		RG055.5	L007	LA-SMA-2.3	01-001(b)
		RG055.5	L008	LA-SMA-3.1	01-003(a)
					01-001(e)
		RG055.5	L009	LA-SMA-3.9	01-001(g)
					01-006(a)
		RG055.5	L010	LA-SMA-4.1	01-006(b)
					01-003(b)
		RG055.5	L011	LA-SMA-4.2	01-006(c)
					01-006(d)
					01-001(c)
		RG055.5	L012	LA-SMA-5.01	01-001(d)
					01-006(h)
		RG055.5	L012A	LA-SMA-5.02	01-003(e)
		RG055.5	L013	LA-SMA-5.2	01-003(d)
		RG038	L015	LA-SMA-5.31	41-002(c)
		RG038	L016	LA-SMA-5.33	32-004
		RG055.5	L014	LA-SMA-5.35	C-41-004
		RG038	L017	LA-SMA-5.361	32-002(b1)
					32-002(b2)
		RG038	L017A	LA-SMA-5.362	32-003
		RG038	L018	LA-SMA-5.51	02-006(d)
					02-009(b)
					02-006(b)
					02-005
					02-004(a)
					02-003(e)
					02-006(c)
					02-008(a)
					02-011(d)
					02-011(a)
					02-003(a)
					02-011(b)
					02-011(c)
					02-006(e)
		RG038	L018A	LA-SMA-5.52	02-008(c)
					02-007
					02-003(b)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Los Alamos/Pueblo	Los Alamos Canyon	RG038	L018B	LA-SMA-5.53	02-009(a)
		RG038	L018C	LA-SMA-5.54	02-009(c)
		RG038	L019	LA-SMA-5.91	21-023(c)
					21-009
					21-027(d)
					21-021
		RG038	L019A	LA-SMA-5.92	21-013(g)
					21-021
					21-018(a)
					21-013(b)
		RG038	L020	LA-SMA-6.25	21-027(c)
					21-024(d)
					21-021
		RG038	L021	LA-SMA-6.27	21-027(c)
					21-021
		RG038	L022	LA-SMA-6.3	21-006(b)
		RG038	L022A	LA-SMA-6.31	21-027(a)
		RG038	L023	LA-SMA-6.32	21-021
		RG038	L024	LA-SMA-6.34	21-022(h)
					21-021
		RG038	L025	LA-SMA-6.36	21-021
					21-024(a)
		RG038	L026	LA-SMA-6.38	21-021
					21-024(c)
		RG038	L027	LA-SMA-6.395	21-021
					21-024(j)
		RG038	L028	LA-SMA-6.5	21-021
					21-024(i)
		RG-TA-53	L029	LA-SMA-9	26-001
					26-002(a)
					26-003
					26-002(b)
		RG-TA-53	L030	LA-SMA-10.11	53-002(a)
		RG-TA-53	L030A	LA-SMA-10.12	53-008
	DP Canyon	RG038	D001	DP-SMA-0.3	21-029
		RG038	D002	DP-SMA-0.4	21-021
		RG038	D003	DP-SMA-0.6	21-024(l)
					21-021

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Los Alamos/Pueblo	DP Canyon	RG038	D004	DP-SMA-1	21-021
					21-011(k)
		RG038	D005	DP-SMA-2	21-024(h)
					21-021
		RG038	D006	DP-SMA-2.35	21-024(n)
					21-021
		RG038	D007	DP-SMA-3	21-021
					21-013(c)
		RG-TA-53	D008	DP-SMA-4	21-021
Sandia	Sandia Canyon	RG121.9	S001	S-SMA-0.25	03-052(f)
					03-013(a)
		RG121.9	S002	S-SMA-1.1	03-029
		RG121.9	S003	S-SMA-2	03-045(c)
					03-012(b)
					03-045(b)
					03-056(c)
		RG121.9	S003A	S-SMA-2.01	03-052(b)
		RG121.9	S004	S-SMA-2.8	03-014(c2)
		RG121.9	S005	S-SMA-3.51	03-009(i)
		RG121.9	S005A	S-SMA-3.52	03-021
		RG121.9	S005B	S-SMA-3.53	03-014(b2)
		RG121.9	S006	S-SMA-3.6	60-007(b)
		RG203	S007	S-SMA-3.7	53-012(e)
		RG203	S008	S-SMA-3.71	53-001(a)
		RG203	S009	S-SMA-3.72	53-001(b)
		RG203	S010	S-SMA-3.95	20-002(a)
		RG-TA-53	S011	S-SMA-4.1	53-014
		RG203	S012	S-SMA-4.5	20-002(d)
		RG-TA-53	S013	S-SMA-5	20-002(c)
		RG-TA-53	S014	S-SMA-5.2	20-003(c)
		RG-TA-53	S015	S-SMA-5.5	20-005
		RG-TA-53	S016	S-SMA-6	72-001
Mortandad	Cañada del Buey	RG200.5	C001	CDB-SMA-0.15	04-004
					04-003(a)
		RG245.5	C002	CDB-SMA-0.25	46-004(c2)
					46-004(e2)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Mortandad	Cañada del Buey	RG245.5	C003	CDB-SMA-0.55	46-006(f)
					46-004(s)
					46-004(m)
					46-004(g)
		RG245.5	C004	CDB-SMA-1	46-009(a)
					46-004(w)
					46-004(t)
					46-008(g)
					46-003(c)
					46-004(d2)
					C-46-001
					46-004(f)
		RG245.5	C005	CDB-SMA-1.15	46-004(z)
					46-004(b)
					46-006(d)
					46-004(y)
		RG245.5	C006	CDB-SMA-1.35	46-008(f)
					46-004(v)
					46-004(u)
					46-004(a2)
					46-006(d)
					46-004(x)
		RG245.5	C007	CDB-SMA-1.54	46-004(q)
					46-006(d)
					46-004(h)
		RG245.5	C008	CDB-SMA-1.55	46-003(e)
		RG245.5	C009	CDB-SMA-1.65	46-003(b)
		RG-TA-54	C010	CDB-SMA-4	54-017
					54-020
					54-018
	Mortandad Canyon	RG121.9	M001	M-SMA-1	03-050(a)
					03-054(e)
		RG121.9	M002	M-SMA-1.2	03-049(a)
		RG121.9	M002A	M-SMA-1.21	03-049(e)
		RG121.9	M002B	M-SMA-1.22	03-045(h)
		RG-TA-06	M003	M-SMA-3	48-007(c)
					48-001
					48-005

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Mortandad	Mortandad Canyon	RG-TA-06	M004	M-SMA-3.1	48-001
					48-007(b)
		RG200.5	M005	M-SMA-3.5	48-001
					48-003
		RG200.5	M006	M-SMA-4	48-007(a)
					48-007(d)
					48-010
					48-005
					48-001
		RG200.5	M007	M-SMA-5	42-001(a)
					42-002(a)
					42-001(b)
					42-001(c)
					42-002(b)
		RG200.5	M008	M-SMA-6	35-016(h)
		RG200.5	M009	M-SMA-7	35-016(g)
		RG200.5	M010	M-SMA-7.9	50-006(d)
		RG200.5	M011	M-SMA-9.1	35-016(f)
		RG200.5	M012	M-SMA-10	35-008
					35-014(e)
		RG200.5	M012A	M-SMA-10.01	35-016(e)
		RG200.5	M013	M-SMA-10.3	35-016(i)
					35-014(e2)
		RG200.5	M014	M-SMA-11.1	35-016(o)
		RG200.5	M015	M-SMA-12	35-016(p)
		RG203	M016	M-SMA-12.5	05-005(b)
					05-006(c)
		RG203	M017	M-SMA-12.6	05-004
		RG203	M018	M-SMA-12.7	05-006(e)
					05-006(b)
					05-005(a)
					05-002
		RG203	M019	M-SMA-12.8	05-001(a)
					05-002
		RG203	M020	M-SMA-12.9	05-002
					05-001(b)
		RG203	M021	M-SMA-12.92	00-001
		RG203	M022	M-SMA-13	05-001(c)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Mortandad	Ten Site Canyon	RG200.5	T001	Pratt-SMA-1.05	35-003(p)
					35-003(r)
					35-016(l)
					35-003(h)
					35-016(k)
					35-004(h)
					35-009(d)
					35-016(m)
		RG200.5	T002	T-SMA-1	50-006(a)
					50-009
		RG200.5	T003	T-SMA-2.5	35-014(g3)
		RG200.5	T004	T-SMA-2.85	35-016(n)
					35-014(g)
		RG200.5	T005	T-SMA-3	35-016(b)
		RG200.5	T006	T-SMA-4	35-016(c)
					35-009(a)
					35-016(d)
					35-004(a)
		RG200.5	T007	T-SMA-5	35-016(a)
					35-009(a)
					35-016(q)
					35-004(a)
		RG200.5	T008	T-SMA-6.8	35-010(e)
		RG200.5	T009	T-SMA-7	04-003(b)
		RG200.5	T010	T-SMA-7.1	04-001
					04-002
Pajarito	Twomile Canyon	RG121.9	E001	2M-SMA-1	03-010(a)
		RG-TA-06	E002	2M-SMA-1.42	06-001(a)
		RG-TA-06	E003	2M-SMA-1.43	22-014(a)
					22-015(a)
		RG-TA-06	E004	2M-SMA-1.44	06-001(b)
		RG-TA-06	E005	2M-SMA-1.45	06-006
		RG-TA-06	E006	2M-SMA-1.5	22-014(b)
		RG-TA-06	E007	2M-SMA-1.65	40-005
		RG-TA-06	E008	2M-SMA-1.67	06-003(h)
		RG-TA-06	E009	2M-SMA-1.7	03-055(a)
		RG-TA-06	E010	2M-SMA-1.8	03-001(k)
		RG121.9	E011	2M-SMA-1.9	03-003(a)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Pajarito	Twomile Canyon	RG121.9	E012	2M-SMA-2	03-050(d)
					03-054(b)
		RG121.9	E013	2M-SMA-2.2	03-003(k)
		RG-TA-06	E014	2M-SMA-3	07-001(a)
					07-001(b)
					07-001(c)
					07-001(d)
		RG-TA-06	E015	2M-SMA-2.5	40-001(c)
	Threemile Canyon	RG-TA-06	H001	3M-SMA-0.2	15-010(b)
		RG262.4	H002	3M-SMA-0.4	15-006(b)
		RG262.4	H003	3M-SMA-0.5	15-009(c)
					15-006(c)
		RG245.5	H004	3M-SMA-0.6	15-008(b)
		RG245.5	H005	3M-SMA-2.6	C-36-003
					36-008
		RG245.5	H006	3M-SMA-4	18-010(f)
					18-002(b)
					18-003(c)
	Pajarito Canyon	RG240	J001	PJ-SMA-1.05	09-013
		RG253	J002	PJ-SMA-2	09-009
		RG257	J003	PJ-SMA-3.05	09-004(o)
		RG257	J004	PJ-SMA-4.05	09-004(g)
		RG-TA-06	J005	PJ-SMA-5	22-015(c)
		RG-TA-06	J006	PJ-SMA-5.1	22-016
					22-010(b)
		RG-TA-06	J007	PJ-SMA-6	40-010
		RG-TA-06	J008	PJ-SMA-7	40-006(c)
		RG-TA-06	J009	PJ-SMA-8	40-006(b)
		RG-TA-06	J010	PJ-SMA-9	40-009
		RG-TA-06	J012	PJ-SMA-10	40-006(a)
		RG-TA-06	J013	PJ-SMA-11	40-003(a)
		RG-TA-06	J014	PJ-SMA-11.1	40-003(b)
		RG245.5	J015	PJ-SMA-13	18-002(a)
		RG245.5	J016	PJ-SMA-13.7	18-010(b)
		RG245.5	J017	PJ-SMA-14	54-004
		RG245.5	J018	PJ-SMA-14.2	18-012(b)
		RG245.5	J019	PJ-SMA-14.3	18-003(e)
		RG245.5	J020	PJ-SMA-14.4	18-010(d)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Pajarito	Pajarito Canyon	RG245.5	J021	PJ-SMA-14.6	18-010(e)
		RG245.5	J022	PJ-SMA-14.8	18-012(a)
		RG-TA-54	J023	PJ-SMA-16	27-002
		RG-TA-54	J024	PJ-SMA-17	54-018
		RG-TA-54	J026	PJ-SMA-18	54-017
					54-014(d)
		RG-TA-54	J025	PJ-SMA-19	54-020
					54-017
					54-013(b)
		RG-TA-54	J027	PJ-SMA-20	54-017
		RG240	J028	STRM-SMA-1.05	08-009(f)
		RG240	J029	STRM-SMA-1.5	08-009(d)
		RG240	J030	STRM-SMA-4.2	09-008(b)
		RG240	J031	STRM-SMA-5.05	09-013
Water/ Cañon de Valle	Cañon de Valle	RG253	V001	CDV-SMA-1.2	16-029(k)
					16-017(b)-99
		RG253	V002	CDV-SMA-1.3	16-017(a)-99
					16-026(m)
		RG253	V003	CDV-SMA-1.4	16-028(c)
					16-020
					16-026(l)
					16-030(c)
		RG253	V004	CDV-SMA-1.45	16-026(i)
		RG253	V005	CDV-SMA-1.7	16-019
		RG257	V006	CDV-SMA-2	16-021(c)
		RG257	V007	CDV-SMA-2.3	16-031(h)
					13-002
					16-029(h)
					13-001
					16-003(n)
					16-003(o)
		RG257	V008	CDV-SMA-2.41	16-018
		RG257	V008A	CDV-SMA-2.42	16-010(b)
		RG257	V009	CDV-SMA-2.5	16-010(c)
					16-010(d)
					16-028(a)
		RG257	V009A	CDV-SMA-2.51	16-010(i)
		RG257	V010	CDV-SMA-3	14-009

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Water/ Cañon de Valle	Cañon de Valle	RG257	V011	CDV-SMA-4	14-010
		RG257	V012	CDV-SMA-6.01	14-006
					14-001(g)
		RG257	V012A	CDV-SMA-6.02	14-002(e)
					14-002(d)
					14-002(c)
		RG257	V013	CDV-SMA-7	15-008(d)
		RG262.4	V014	CDV-SMA-8	15-011(c)
		RG262.4	V015	CDV-SMA-8.5	15-014(a)
		RG262.4	V016	CDV-SMA-9.05	15-007(b)
	Fence Canyon	RG267.4	F001	F-SMA-2	36-004(c)
	Potrillo Canyon	RG262.4	I001	PT-SMA-0.5	15-009(e)
					C-15-004
		RG262.4	I002	PT-SMA-1	15-004(f)
					15-008(a)
		RG262.4	I003	PT-SMA-1.7	15-006(a)
		RG262.4	I004	PT-SMA-2	36-004(e)
					36-003(b)
					15-008(f)
		RG262.4	I004A	PT-SMA-2.01	C-36-001
					C-36-006(e)
		RG267.4	I005	PT-SMA-3	36-004(a)
					36-006
		RG267.4	I007	PT-SMA-4.2	36-004(d)
	Water Canyon	RG253	W001	W-SMA-1	16-026(c2)
					16-026(v)
					16-017(j)-99
		RG253	W002	W-SMA-1.5	16-026(b2)
					16-028(d)
		RG253	W003	W-SMA-2.05	16-028(e)
		RG257	W004	W-SMA-3.5	16-026(y)
		RG257	W005	W-SMA-4.1	16-003(a)
		RG257	W006	W-SMA-5	16-001(e)
					16-026(d)
					16-026(c)
					16-026(e)
					16-026(b)
					16-003(f)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Water/ Cañon de Valle	Water Canyon	RG257	W007	W-SMA-6	11-001(c)
		RG257	W008	W-SMA-7	16-029(e)
		RG257	W009	W-SMA-7.8	16-031(a)
		RG257	W010	W-SMA-7.9	16-006(c)
		RG257	W011	W-SMA-8	16-028(b)
					16-016(g)
		RG257	W012	W-SMA-8.7	16-029(h)
					13-001
					13-002
					16-004(a)
					16-026(j2)
					16-035
		RG257	W012A	W-SMA-8.71	16-004(c)
		RG257	W013	W-SMA-9.05	16-030(g)
		RG257	W014	W-SMA-9.5	11-012(c)
		RG257	W015	W-SMA-9.7	11-011(a)
					11-011(b)
		RG257	W016	W-SMA-9.8	11-005(c)
		RG257	W017	W-SMA-9.9	11-006(b)
		RG257	W018	W-SMA-10	11-005(b)
					11-006(c)
					11-006(d)
					11-011(d)
					11-002
					11-005(a)
					11-003(b)
		RG262.4	W019	W-SMA-11.7	49-008(c)
		RG262.4	W020	W-SMA-12.05	49-001(g)
		RG262.4	W021	W-SMA-14.1	15-004(h)
					15-014(l)
		RG262.4	W022	W-SMA-15.1	49-005(a)
Ancho	Ancho Canyon	RG267.4	A001	A-SMA-1.1	39-004(a)
					39-004(d)
		RG267.4	A002	A-SMA-2	39-004(b)
					39-004(e)
		RG265	A003	A-SMA-2.5	39-010
		RG265	A004	A-SMA-2.7	39-008
					39-002(c)

Table 1-2 (continued)

Watershed	Canyon	Rain Gage	Permitted Feature	SMA	Site Number
Ancho	Ancho Canyon	RG265	A005	A-SMA-2.8	39-001(b)
		RG265	A006	A-SMA-3	39-002(b)
					39-004(c)
		RG340	A007	A-SMA-3.5	39-006(a)
		RG340	A008	A-SMA-4	33-010(d)
		RG340	A009	A-SMA-6	33-007(a)
					33-004(k)
					33-010(a)
Chaquehui	Chaquehui Canyon	RG340	Q001	CHQ-SMA-0.5	33-009
					33-007(c)
					33-004(g)
		RG340	Q002	CHQ-SMA-1.01	33-002(d)
		RG340	Q002A	CHQ-SMA-1.02	33-008(c)
					33-004(h)
					33-011(d)
					33-015
		RG340	Q002B	CHQ-SMA-1.03	33-012(a)
					33-008(c)
					33-017
					C-33-001
					C-33-003
		RG340	Q003	CHQ-SMA-2	C-33-003
					33-007(c)
					33-004(d)
		RG340	Q004	CHQ-SMA-3.05	33-010(f)
		RG340	Q005	CHQ-SMA-4	33-011(e)
		RG340	Q006	CHQ-SMA-4.1	33-016
		RG340	Q007	CHQ-SMA-4.5	33-011(b)
		RG340	Q008	CHQ-SMA-5.05	33-007(b)
		RG340	Q009	CHQ-SMA-6	33-014
					33-010(h)
					33-004(j)
					33-006(a)
					33-007(b)
					33-010(g)
					33-010(c)
		RG340	Q010	CHQ-SMA-7.1	33-010(g)

Table 1-3
Permitted Features, SMAs,
and Sites Summarized by Watershed

Watershed	Number of Permitted Features/SMAs	Number of Sites
Los Alamos/Pueblo	64	102
Sandia	19	23
Mortandad	45	96
Pajarito	51	61
Water/Cañon de Valle	50	90
Ancho	9	15
Chaquehui	12	24
Total	**250**	**411**

Notes: A total of 405 Sites are permitted. Permitted Site 32-002(b) is retired and has been replaced by 32-002(b1) and 32-002(b2). Site 14-002(c) in CDV-SMA-6.02 and Site 22-010(b) in PJ-SMA-5.1 have been added. Site 16-029(e) replaces 16-026(h2) in W-SMA-7. Three Sites (54-017, 54-018, and 54-020) drain to both Pajarito and Mortandad watersheds and thus are counted twice, increasing the total number of Sites reported in this table from 405 to 411.

Table 2-1
Additional Control Measures Installed during 2014

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
R-SMA-1	R00204060009	Channel/Swale	Rip Rap	X[e]	—[f]	X	—	10/30/2014	Additional Control
R-SMA-1	R00204060010	Channel/Swale	Rip Rap	X	—	X	—	10/30/2014	Additional Control
R-SMA-1.95	R0030101022	Seed and Mulch	Seed and Wood Mulch	X	—	—	X	11/5/2014	Additional Control
ACID-SMA-2.01	P002A03060008	Berm	Straw Wattle	—	X	—	X	08/05/2014	Additional Control
P-SMA-0.3	P00403140009	Berm	Coir Log	—	X	—	X	05/08/2014	Additional Control
P-SMA-0.3	P00403140015	Berm	Coir Log	—	X	—	X	11/14/2014	Additional Control
P-SMA-0.3	P00406010012	Check Dam	Rock Check Dam	—	X	—	X	05/08/2014	Additional Control
P-SMA-0.3	P00406010013	Check Dam	Rock Check Dam	—	X	—	X	05/08/2014	Additional Control
P-SMA-0.3	P00406010014	Check Dam	Rock Check Dam	—	X	—	X	05/08/2014	Additional Control
P-SMA-1	P00503060041	Berm	Straw Wattle	—	X	—	X	08/06/2014	Additional Control
P-SMA-1	P00503060042	Berm	Straw Wattle	—	X	—	X	08/06/2014	Additional Control
P-SMA-1	P00503060043	Berm	Straw Wattle	—	X	—	X	08/06/2014	Additional Control
P-SMA-1	P00503060044	Berm	Straw Wattle	—	X	—	X	08/06/2014	Additional Control
P-SMA-1	P00503060045	Berm	Straw Wattle	—	X	—	X	08/06/2014	Additional Control
P-SMA-2.2	P00803010027	Berm	Earthen Berm	—	X	X	—	05/02/2014	Additional Control
P-SMA-2.2	P00803010028	Berm	Earthen Berm	—	X	—	X	05/02/2014	Additional Control
P-SMA-2.2	P00803010029	Berm	Earthen Berm	—	X	—	X	05/02/2014	Additional Control
P-SMA-2.2	P00803010030	Berm	Earthen Berm	—	X	—	X	05/02/2014	Additional Control
LA-SMA-0.9	L00203010021	Berm	Earthen Berm	—	X	—	X	06/04/2014	Additional Control
LA-SMA-0.9	L00203010022	Berm	Earthen Berm	—	X	—	X	06/04/2014	Additional Control
LA-SMA-0.9	L00203010023	Berm	Earthen Berm	—	X	—	X	06/04/2014	Additional Control
LA-SMA-0.9	L00203010024	Berm	Earthen Berm	—	X	—	X	06/04/2014	Additional Control
LA-SMA-0.9	L00203010025	Berm	Earthen Berm	—	X	—	X	06/04/2014	Additional Control
LA-SMA-0.9	L00203010027	Berm	Earthen Berm	—	X	X	—	10/23/2014	Additional Control
LA-SMA-0.9	L00204040026	Channel/Swale	Culvert	X	—	X	—	10/23/2014	Additional Control
LA-SMA-1	L00303060026	Berm	Straw Wattle	—	X	X	—	11/14/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
LA-SMA-2.3	L0070360008	Berm	Straw Wattle	—	X	—	X	11/17/2014	Additional Control
LA-SMA-5.01	L01203060013	Berm	Straw Wattle	—	X	X	—	04/21/2014	Additional Control
LA-SMA-5.02	L012A03060019	Berm	Straw Wattle	—	X	—	X	11/18/2014	Additional Control
LA-SMA-5.02	L012A03060020	Berm	Straw Wattle	—	X	—	X	11/18/2014	Additional Control
LA-SMA-5.02	L012A03060021	Berm	Straw Wattle	—	X	—	X	11/18/2014	Additional Control
LA-SMA-5.02	L012A03090022	Berm	Curbing	—	X	X	—	11/3/2014	Replaced Baseline Control
LA-SMA-5.52	L018A04030008	Channel/Swale	Rock Channel/Swale	X	—	X	—	08/22/2014	Replaced Baseline Control
LA-SMA-5.54	L018C01010025	Seed and Mulch	Seed and Wood Mulch	X	—	—	—	08/22/2014	Additional Control
LA-SMA-5.54	L018C03120024	Berm	Rock Berm	—	X	X	—	09/16/2014	Additional Control
LA-SMA-5.54	L018C03140020	Berm	Coir Log	—	X	X	—	08/07/2014	Additional Control
LA-SMA-5.54	L018C03140021	Berm	Coir Log	—	X	X	—	08/07/2014	Additional Control
LA-SMA-5.54	L018C03140022	Berm	Coir Log	—	X	X	—	08/07/2014	Additional Control
LA-SMA-5.54	L018C03140027	Berm	Coir Log	—	X	X	—	09/17/2014	Additional Control
LA-SMA-5.54	L018C03140028	Berm	Coir Log	—	X	X	—	09/17/2014	Additional Control
LA-SMA-5.54	L018C03140029	Berm	Coir Log	—	X	X	—	09/17/2014	Additional Control
LA-SMA-5.54	L018C03140030	Berm	Coir Log	—	X	X	—	09/17/2014	Additional Control
LA-SMA-5.54	L018C04080016	Channel/Swale	TRM-Lined Swale	X	—	X	—	08/22/2014	Additional Control
LA-SMA-5.54	L018C06010017	Check Dam	Rock Check Dam	—	—	—	—	09/10/2014	Additional Control
LA-SMA-5.54	L018C06010018	Check Dam	Rock Check Dam	—	X	X	—	09/10/2014	Additional Control
LA-SMA-5.54	L018C06010019	Check Dam	Rock Check Dam	—	X	X	—	09/10/2014	Additional Control
LA-SMA-5.54	L018C06010023	Check Dam	Rock Check Dam	—	X	X	—	09/16/2014	Additional Control
LA-SMA-5.92	L019A03140008	Berm	Coir Log	—	X	—	X	01/29/2014	Additional Control
LA-SMA-5.92	L019A06020009	Check Dam	Log Check Dam	—	X	—	X	01/29/2014	Additional Control
LA-SMA-5.92	L019A06020010	Check Dam	Log Check Dam	—	X	—	X	01/29/2014	Additional Control
LA-SMA-6.25	L02003060011	Berm	Straw Wattle	—	X	—	X	08/12/2014	Additional Control
LA-SMA-6.25	L02003060012	Berm	Straw Wattle	—	X	—	X	08/12/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
LA-SMA-6.25	L02006010013	Check Dam	Rock Check Dam	—	X	—	X	08/12/2014	Additional Control
LA-SMA-6.27	L02103060018	Berm	Straw Wattle	—	X	—	X	08/25/2014	Additional Control
LA-SMA-6.27	L02103060019	Berm	Straw Wattle	—	X	—	X	11/10/2014	Additional Control
LA-SMA-6.27	L02106010015	Check Dam	Rock Check Dam	—	X	—	X	1/30/2014	Additional Control
LA-SMA-6.27	L02106010016	Check Dam	Rock Check Dam	—	X	—	X	01/30/2014	Additional Control
LA-SMA-6.27	L02106010017	Check Dam	Rock Check Dam	—	X	—	X	01/30/2014	Additional Control
LA-SMA-6.3	L02206010010	Check Dam	Rock Check Dam	—	X	—	X	08/12/2014	Replaced Baseline Control
DP-SMA-1	D00404060016	Channel/Swale	Rip Rap	X	—	X	—	05/01/2014	Replaced Baseline Control
S-SMA-1.1	S00206010020	Check Dam	Rock Check Dam	—	X	X	—	07/22/2014	Additional Control
S-SMA-2	S00303140026	Berm	Coir Log	—	X	—	X	09/18/2014	Additional Control
S-SMA-2	S00304040024	Channel/Swale	Culvert	X	—	X	—	09/18/2014	Additional Control
S-SMA-2	S00304060025	Channel/Swale	Rip Rap	X	—	X	—	09/18/2014	Additional Control
S-SMA-2	S00304080023	Channel/Swale	TRM-Lined Swale	X	—	X	—	09/18/2014	Additional Control
S-SMA-2.8	S00403060009	Berm	Straw Wattle	—	X	—	X	07/21/2014	Additional Control
S-SMA-3.51	S00506010014	Check Dam	Rock Check Dam	—	X	X	—	08/26/2014	Additional Control
S-SMA-3.51	S00506010015	Check Dam	Rock Check Dam	—	X	X	—	11/5/2014	Replaced Baseline Control
S-SMA-3.52	S005A03060006	Berm	Straw Wattle	—	X	—	X	08/08/2014	Replaced Baseline Control
S-SMA-3.6	S00506010031	Check Dam	Rock Check Dam	—	X	X	—	11/05/2014	Replaced Baseline Control
S-SMA-3.6	S00506010032	Check Dam	Rock Check Dam	—	X	X	—	11/05/2014	Additional Control
S-SMA-3.6	S00506010033	Check Dam	Rock Check Dam	—	X	—	X	11/05/2014	Additional Control
S-SMA-3.95	S01004010009	Channel/Swale	Earthen Channel/Swale	—	X	X	—	11/07/2014	Additional Control
S-SMA-4.1	S01103060012	Berm	Straw Wattle	—	X	—	X	02/19/2014	Additional Control
S-SMA-4.1	S01103060013	Berm	Straw Wattle	—	X	—	X	02/18/2014	Additional Control
S-SMA-5	S01302040011	Permanent Vegetation	Permanent Vegetation Established Vegetation	X	—	—	X	10/22/2014	Additional Control
S-SMA-5	S01303030009	Berm	Log Berm	—	X	X	—	03/14/2014	Additional Control
S-SMA-5	S01303060008	Berm	Straw Wattle	—	X	—	X	03/18/2014	Replaced Baseline Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
S-SMA-5.2	S01403120017	Berm	Rock Berm	—	X	—	X	11/07/2014	Additional Control
S-SMA-5.2	S01406010018	Check Dam	Rock Check Dam	—	X	—	X	11/07/2014	Replaced Baseline Control
S-SMA-5.2	S01406010019	Check Dam	Rock Check Dam	—	X	—	X	11/07/2014	Additional Control
S-SMA-6	S01604060014	Channel/Swale	Rip Rap	—	X	X	—	11/29/2014	Replaced Baseline Control
S-SMA-6	S01606010013	Check Dam	Rock Check Dam	—	X	X	—	11/29/2014	Replaced Baseline Control
CDB-SMA-0.15	C00103060019	Berm	Straw Wattle	—	X	X	—	07/24/2014	Additional Control
CDB-SMA-0.15	C00103060020	Berm	Straw Wattle	—	X	X	—	11/04/2014	Additional Control
CDB-SMA-0.15	C00103060021	Berm	Straw Wattle	—	X	X	—	11/04/2014	Additional Control
M-SMA-1.2	M00203060012	Berm	Straw Wattle	—	X	X	—	09/18/2014	Additional Control
M-SMA-10.3	M01303140016	Berm	Coir Log	—	X	—	X	08/25/2014	Additional Control
M-SMA-10.3	M01306010017	Check Dam	Rock Check Dam	—	X	—	X	08/25/2014	Additional Control
M-SMA-10.3	M01306010018	Check Dam	Rock Check Dam	—	X	—	X	08/25/2014	Additional Control
M-SMA-12.6	M01703060015	Berm	Straw Wattle	—	X	—	X	08/26/2014	Additional Control
M-SMA-3	M00304060014	Channel/Swale	Rip Rap	X	—	—	X	11/04/2014	Additional Control
M-SMA-3.5	M00504060019	Channel/Swale	Rip Rap	X	—	—	X	10/30/2014	Additional Control
M-SMA-4	M00603120015	Berm	Rock Berm	—	X	—	X	11/04/2014	Additional Control
M-SMA-4	M00606010016	Check Dam	Rock Check Dam	—	X	—	X	11/04/2014	Additional Control
M-SMA-4	M00606010017	Check Dam	Rock Check Dam	—	X	—	X	11/004/2014	Additional Control
M-SMA-4	M00606010018	Check Dam	Rock Check Dam	—	X	—	X	11/4/2014	Additional Control
M-SMA-6	M00803010033	Berm	Earthen Berm	—	X	X	—	08/28/2014	Additional Control
M-SMA-6	M00806010032	Check Dam	Rock Check Dam	—	X	—	X	08/28/2014	Additional Control
M-SMA-6	M00807010029	Gabion	Gabion	—	X	—	X	08/28/2014	Replaced Baseline Control
M-SMA-6	M00807010030	Gabion	Gabion	—	X	—	X	08/28/2014	Replaced Baseline Control
M-SMA-7	M00903060010	Berm	Straw Wattle	—	X	X	—	08/07/2014	Additional Control
M-SMA-7	M00903060011	Berm	Straw Wattle	—	X	X	—	08/07/2014	Additional Control
M-SMA-7.9	M01003060014	Berm	Straw Wattle	—	X	X	—	08/22/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
M-SMA-7.9	M01003060015	Berm	Straw Wattle	—	X	X	—	08/22/2014	Additional Control
M-SMA-7.9	M01003120016	Berm	Rock Berm	—	X	X	—	08/22/2014	Additional Control
PRATT-SMA-1.05	T00103010025	Berm	Earthen Berm	—	X	—	X	09/26/2014	Additional Control
T-SMA-1	T00203060020	Berm	Straw Wattle	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00203060021	Berm	Straw Wattle	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00203060022	Berm	Straw Wattle	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00203120023	Berm	Rock Berm	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00206010024	Check Dam	Rock Check Dam	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00206010025	Check Dam	Rock Check Dam	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00206010026	Check Dam	Rock Check Dam	—	X	—	X	11/17/2014	Additional Control
T-SMA-1	T00206010027	Check Dam	Rock Check Dam	—	X	—	X	11/17/2014	Additional Control
T-SMA-2.85	T00406010008	Check Dam	Rock Check Dam	—	X	—	X	10/27/2014	Additional Control
T-SMA-2.85	T00406010009	Check Dam	Rock Check Dam	—	X	—	X	10/27/2014	Additional Control
T-SMA-2.85	T00406010010	Check Dam	Rock Check Dam	—	X	—	X	10/27/2014	Additional Control
T-SMA-2.85	T00406010011	Check Dam	Rock Check Dam	—	X	—	X	10/27/2014	Additional Control
T-SMA-3	T00506010013	Check Dam	Rock Check Dam	—	X	—	X	08/21/2014	Additional Control
T-SMA-3	T00506020014	Check Dam	Log Check Dam	—	X	—	X	08/21/2014	Additional Control
T-SMA-5	T00706010013	Check Dam	Rock Check Dam	—	X	—	X	10/30/2014	Additional Control
T-SMA-5	T00706010014	Check Dam	Rock Check Dam	—	X	—	X	10/30/2014	Additional Control
T-SMA-6.8	T00803060005	Berm	Straw Wattle	—	X	X	—	02/13/2014	Additional Control
T-SMA-6.8	T00803060006	Berm	Straw Wattle	—	X	X	—	02/13/2014	Additional Control
T-SMA-6.8	T00803060007	Berm	Straw Wattle	—	X	X	—	02/13/2014	Additional Control
T-SMA-7	T00901030012	Seed and Mulch	Hydromulch	X	—	—	—	10/16/2014	Additional Control
T-SMA-7	T00903060013	Berm	Straw Wattle	—	X	—	X	10/16/2014	Additional Control
T-SMA-7.1	T01001030011	Seed and Mulch	Hydromulch	X	—	—	X	10/16/2014	Additional Control
T-SMA-7.1	T01003060010	Berm	Straw Wattle	—	X	—	X	10/16/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
2M-SMA-1.5	E00603060006	Berm	Straw Wattle	—	X	X	—	11/5/2014	Additional Control
2M-SMA-1.65	E00703060012	Berm	Straw Wattle	—	X	—	X	10/6/2014	Additional Control
2M-SMA-1.9	E01103100004	Berm	Gravel Bags	—	X	X	—	10/27/2014	Replaced Baseline Control
2M-SMA-3	E01403060019	Berm	Straw Wattle	—	X	X	—	08/12/2014	Additional Control
2M-SMA-3	E01403060020	Berm	Straw Wattle	—	X	—	X	08/12/2014	Additional Control
2M-SMA-3	E01403060021	Berm	Straw Wattle	—	X	X	—	08/12/2014	Additional Control
3M-SMA-0.4	H00203120008	Berm	Rock Berm	—	X	X	—	10/06/2014	Additional Control
3M-SMA-0.4	H00203120009	Berm	Rock Berm	—	X	X	—	10/06/2014	Additional Control
3M-SMA-0.4	H00203120010	Berm	Rock Berm	—	X	X	—	10/06/2014	Additional Control
3M-SMA-0.4	H00203120011	Berm	Rock Berm	—	X	X	—	10/06/2014	Additional Control
3M-SMA-0.4	H00203120012	Berm	Rock Berm	—	X	—	X	10/06/2014	Additional Control
3M-SMA-0.4	H00203120013	Berm	Rock Berm	—	X	—	X	10/06/2014	Additional Control
3M-SMA-0.4	H00205020007	Sediment Trap and Basin	Sediment Basin	—	X	—	X	10/06/2014	Additional Control
PJ-SMA-11	J01303060022	Berm	Straw Wattle	—	X	—	X	07/22/2014	Replaced Baseline Control
PJ-SMA-11	J01303060023	Berm	Straw Wattle	—	X	—	X	08/11/2014	Replaced Baseline Control
PJ-SMA-11.1	J01403060017	Berm	Straw Wattle	—	X	X	—	04/28/2014	Additional Control
PJ-SMA-11.1	J01403060018	Berm	Straw Wattle	—	X	—	X	04/28/2014	Additional Control
PJ-SMA-11.1	J01403060019	Berm	Straw Wattle	—	X	—	X	04/28/2014	Additional Control
PJ-SMA-18	J02604010011	Channel/Swale	Earthen Channel/Swale	X	—	—	X	11/06/2014	Replaced Baseline Control
PJ-SMA-18	J02604060012	Channel/Swale	Rip Rap	X	—	—	X	11/06/2014	Additional Control
PJ-SMA-2	J00206010023	Check Dam	Rock Check Dam	—	X	X	—	10/08/2014	Additional Control
PJ-SMA-7	J00803040007	Berm	Asphalt Berm	—	X	X	—	04/22/2014	Additional Control
PJ-SMA-9	J01003060013	Berm	Straw Wattle	—	X	—	X	07/15/2014	Additional Control
PJ-SMA-9	J01003060014	Berm	Straw Wattle	—	X	—	X	11/04/2014	Additional Control
PJ-SMA-9	J01003060015	Berm	Straw Wattle	—	X	—	X	11/04/2014	Additional Control
CDV-SMA-1.7	V00503060024	Berm	Straw Wattle	—	X	—	X	09/17/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
CDV-SMA-1.7	V00503060025	Berm	Straw Wattle	—	X	—	X	09/17/2014	Additional Control
CDV-SMA-1.7	V00504010018	Channel/Swale	Earthen Channel/Swale	X	—	X	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00504040017	Channel/Swale	Culvert	X	—	X	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00504060026	Channel/Swale	Rip Rap	X	—	—	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00506010019	Check Dam	Rock Check Dam	—	X	X	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00506010020	Check Dam	Rock Check Dam	—	X	X	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00506010021	Check Dam	Rock Check Dam	—	X	X	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00506010022	Check Dam	Rock Check Dam	—	X	X	—	09/17/2014	Additional Control
CDV-SMA-1.7	V00506020023	Check Dam	Log Check Dam	—	X	—	X	09/17/2014	Additional Control
CDV-SMA-2.3	V00703010027	Berm	Earthen Berm	—	X	—	X	10/24/2014	Replaced Baseline Control
CDV-SMA-2.3	V00703060028	Berm	Straw Wattle	—	X	—	X	10/24/2014	Additional Control
CDV-SMA-2.3	V00703060029	Berm	Straw Wattle	—	X	X	—	06/03/2014	Additional Control
CDV-SMA-2.3	V00703120026	Berm	Rock Berm	—	X	—	X	10/24/2014	Replaced Baseline Control
CDV-SMA-2.3	V00706010024	Check Dam	Rock Check Dam	—	X	—	X	06/25/2014	Additional Control
CDV-SMA-2.3	V00706010025	Check Dam	Rock Check Dam	—	X	—	X	06/25/2014	Additional Control
CDV-SMA-2.5	V00903010043	Berm	Earthen Berm	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00903120038	Berm	Rock Berm	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00903120039	Berm	Rock Berm	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00903120040	Berm	Rock Berm	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00903120041	Berm	Rock Berm	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00903120042	Berm	Rock Berm	—	X	—	X	10/21/2014	Additional Control
CDV-SMA-2.5	V00906010044	Check Dam	Rock Check Dam	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00906010045	Check Dam	Rock Check Dam	—	X	—	X	10/09/2014	Additional Control
CDV-SMA-2.5	V00906010046	Check Dam	Rock Check Dam	—	X	—	X	10/09/2014	Additional Control
CDV-SMA-2.5	V00906010047	Check Dam	Rock Check Dam	—	X	X	—	10/09/2014	Additional Control
CDV-SMA-2.5	V00906010048	Check Dam	Rock Check Dam	—	X	X	—	10/09/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
CDV-SMA-2.5	V00906010049	Check Dam	Rock Check Dam	—	X	—	X	10/21/2014	Additional Control
CDV-SMA-2.5	V00906010050	Check Dam	Rock Check Dam	—	X	—	X	10/21/2014	Additional Control
CDV-SMA-7	V01304040009	Channel/Swale	Culvert	X	—	X	—	09/24/2014	Additional Control
CDV-SMA-8	V01406010013	Check Dam	Rock Check Dam	—	X	X	—	09/03/2014	Additional Control
CDV-SMA-8	V01406010014	Check Dam	Rock Check Dam	—	X	X	—	09/03/2014	Additional Control
CDV-SMA-8	V01406010015	Check Dam	Rock Check Dam	—	X	X	—	09/03/2014	Additional Control
F-SMA-2	F00103120019	Berm	Rock Berm	—	X	X	—	10/30/2014	Additional Control
F-SMA-2	F00103120020	Berm	Rock Berm	—	X	X	—	10/30/2014	Additional Control
PT-SMA-0.5	I00104030012	Channel/Swale	Rock Channel/Swale	X	—	X	—	03/27/2014	Additional Control
PT-SMA-1.7	I00306010026	Check Dam	Rock Check Dam	—	X	—	X	08/11/2014	Additional Control
PT-SMA-3	I00503060013	Berm	Straw Wattle	—	X	X	—	07/31/2014	Additional Control
PT-SMA-3	I00503060017	Berm	Straw Wattle	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00503060018	Berm	Straw Wattle	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00503120015	Berm	Rock Berm	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00504030016	Channel/Swale	Rock Channel/Swale	X	—	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010019	Check Dam	Rock Check Dam	—	X	—	X	09/04/2014	Additional Control
PT-SMA-3	I00506010020	Check Dam	Rock Check Dam	—	X	—	X	09/04/2014	Additional Control
PT-SMA-3	I00506010021	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010022	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010023	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010024	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010025	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010026	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-3	I00506010027	Check Dam	Rock Check Dam	—	X	X	—	09/04/2014	Additional Control
PT-SMA-4.2	I00703120009	Berm	Rock Berm	—	X	—	X	05/12/2014	Additional Control
W-SMA-1.5	W00203060018	Berm	Straw Wattle	—	X	X	—	08/14/2014	Replaced Baseline Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
W-SMA-3.5	W00403060009	Berm	Straw Wattle	—	X	X	—	10/15/2014	Additional Control
W-SMA-5	W00604050033	Channel/Swale	Water Bar	X	—	X	—	10/23/2014	Additional Control
W-SMA-5	W00606010031	Check Dam	Rock Check Dam	—	X	X	—	10/23/2014	Additional Control
W-SMA-5	W00606010032	Check Dam	Rock Check Dam	—	X	X	—	10/23/2014	Additional Control
W-SMA-7	W00803060024	Berm	Straw Wattle	—	X	—	X	10/15/2014	Additional Control
W-SMA-7	W00803060025	Berm	Straw Wattle	—	X	—	X	10/15/2014	Additional Control
W-SMA-9.7	W01503060016	Berm	Straw Wattle	—	X	X	—	08/26/2014	Additional Control
W-SMA-9.7	W01503100017	Berm	Gravel Bags	—	X	X	—	10/28/2014	Additional Control
A-SMA-2.8	A00508020005	Cap	Rock Cap	X	—	—	X	10/14/2014	Additional Control
A-SMA-3	A00603060020	Berm	Straw Wattle	—	X	X	—	10/28/2014	Additional Control
A-SMA-3	A00603060021	Berm	Straw Wattle	—	X	X	—	10/28/2014	Additional Control
CHQ-SMA-1.01	Q00203060012	Berm	Straw Wattle	—	X	—	X	10/16/2014	Replaced Baseline Control
CHQ-SMA-1.01	Q00203060013	Berm	Straw Wattle	—	X	—	X	10/16/2014	Replaced Baseline Control
CHQ-SMA-2	Q00303060024	Berm	Straw Wattle	—	X	X	—	10/16/2014	Replaced Baseline Control
CHQ-SMA-2	Q00303060025	Berm	Straw Wattle	—	X	X	—	10/16/2014	Replaced Baseline Control
CHQ-SMA-2	Q00303060026	Berm	Straw Wattle	—	X	X	—	10/16/2014	Replaced Baseline Control
CHQ-SMA-4.1	Q00603060009	Berm	Straw Wattle	—	X	X	—	10/20/2014	Replaced Baseline Control
CHQ-SMA-4.1	Q00603060010	Berm	Straw Wattle	—	X	X	—	10/20/2014	Replaced Baseline Control
CHQ-SMA-4.5	Q00703140017	Berm	Coir Log	—	X	—	X	09/25/2014	Additional Control
CHQ-SMA-4.5	Q00703140018	Berm	Coir Log	—	X	—	X	09/25/2014	Additional Control
CHQ-SMA-4.5	Q00703140019	Berm	Coir Log	—	X	—	X	09/25/2014	Additional Control
CHQ-SMA-6	Q00903060040	Berm	Straw Wattle	—	X	—	X	10/20/2014	Additional Control
CHQ-SMA-6	Q00906010037	Check Dam	Rock Check Dam	—	X	X	—	05/08/2014	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date	Comments
CHQ-SMA-6	Q00906010038	Check Dam	Rock Check Dam	—	X	X	—	05/08/2014	Additional Control
CHQ-SMA-6	Q00906010039	Check Dam	Rock Check Dam	—	X	X	—	05/08/2014	Additional Control

[a] EC = Erosion control.

[b] SC = Sediment control.

[c] RON = Run-on control.

[d] ROFF = Runoff control.

[e] X = Control performs the identified function.

[f] — = Control does not perform the identified function.

Table 3-1
Measurable Storm Event Minimum and Suggested Sample Volumes

Analysis Type	Minimum Volume (L)	Suggested Volume (L)	Bottle Type	Preservation	Maximum Holding*
Radioactivities – Ra-226 and Ra-228	2	2	Polyethylene or Glass	HNO_3 to pH<2	6 mo
Radioactivities – Adjusted Gross Alpha	1	2	Polyethylene or Glass	HNO_3 to pH<2	6 mo
Metals – Dissolved	0.25	0.5	Polyethylene (with Boron)/ Glass (without Boron)	HNO_3 to pH<2	6 mo
Metals – Total	0.25	0.5	Polyethylene or Glass	HNO_3 to pH<2	Mercury – 28 d Selenium – 6 mo
Cyanide, Weak Acid Dissociable	0.5	1	Polyethylene or Glass	Cool, ≤6°C, NaOH to pH >12	14 d
Dioxin	1	3	Glass	Cool, ≤6°C	1 yr
Semivolatile Compounds	1	3	Amber Glass	Cool, ≤6°C, store in dark	7 d until extraction, 40 d after extraction
Pesticides	1	3	Glass	Cool, ≤6°C	7 d until extraction, 40 d after extraction
PCBs	1	3	Glass	Cool, ≤6°C	1 yr until extraction, 1 yr after extraction
High Explosives	0.75	2.5	Amber Glass	Cool, ≤6°C, store in dark	7 d until extraction, 40 d after extraction

*Holding time is from sample collection until laboratory analysis, unless otherwise noted.

Table 3-2
Summary of Confirmation Monitoring during 2014

Confirmation Monitoring Phase	Baseline Confirmation Monitoring	Enhanced Control Confirmation Monitoring	No Confirmation Monitoring	Total
January 1, 2014	112	38	87	250
December 31, 2014	95	36	119	250

Table 3-3
2014 Baseline Confirmation Monitoring

Permitted Feature	SMA	Station Number	Stage	Sample	Sample Date	Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radionuclides		Metals		Cyanide	Organic Analysis		
											Gross Alpha	Radium-226/228	Selenium and Mercury	Dissolved Metals[a]	Cyanide (WAD[b])	Hexp[c]	SVOAs[d]	Total PCBs
H003	3M-SMA-0.5	SS141505	MEx[e]	WT_IPC-14-76521	07/09/2014	RG262.4	07/08/2014	1.09	3.5	F[f]	—[g]	—	—	X[h]	—	—	—	—
H003	3M-SMA-0.5	SS141505	MEx	WT_IPC-14-76522	07/09/2014	RG262.4	07/08/2014	1.09	3.5	UF[i]	X	X	X	—	X	X	—	—
H006	3M-SMA-4	SS101504	MEx	WT_IPC-14-55909	07/29/2014	RG245.5	07/29/2014	0.20	1.16	F	—	—	—	X	—	—	—	—
H006	3M-SMA-4	SS101504	MEx	WT_IPC-14-55990	07/29/2014	RG245.5	07/29/2014	0.20	1.16	UF	X	X	X	—	X	X	—	—
V012	CDV-SMA-6.01	SS090410	MEx	WT_IPC-14-55864	07/31/2014	RG257	07/31/2014	1.1	2.33	F	—	—	—	X	—	—	—	—
V012	CDV-SMA-6.01	SS090410	MEx	WT_IPC-14-55983	07/31/2014	RG257	07/31/2014	1.1	2.33	UF	X	X	X	—	X	X	—	—
V014	CDV-SMA-8	SS25630	MEx	WT_IPC-14-55822	07/31/2014	RG262.4	07/31/2014	0.95	1.83	F	—	—	—	X	—	—	—	—
V014	CDV-SMA-8	SS25630	MEx	WT_IPC-14-56095	07/31/2014	RG262.4	07/31/2014	0.95	1.83	UF	X	X	X	—	X		X	—
Q001	CHQ-SMA-0.5	SS090601	MEx	WT_IPC-14-55867	07/23/2014	RG340	07/23/2014	0.98	0.91	F	—	—	—	X	—	—	—	—
Q001	CHQ-SMA-0.5	SS090601	MEx	WT_IPC-14-55967	07/23/2014	RG340	07/23/2014	0.98	0.91	UF	X	X	X	—	X	X	—	X
L018A	LA-SMA-5.52	SS091016	MEx	WT_IPC-14-55873	07/29/2014	RG038	07/29/2014	0.57	2.08	F	—	—	—	X	—	—	—	—
L018A	LA-SMA-5.52	SS091016	MEx	WT_IPC-14-56032	07/29/2014	RG038	07/29/2014	0.57	2.08	UF	X	X	X	—	X		—	X
L029	LA-SMA-9	SS0304	MEx	WT_IPC-14-55827	08/10/2014	RG-TA-53	08/10/2014	0.1	1	F	—	—	—	X	—	—	—	—
L029	LA-SMA-9	SS0304	MEx	WT_IPC-14-56054	08/10/2014	RG-TA-53	08/10/2014	0.1	1	UF	X	X	X	—	X	—	—	—
J012	PJ-SMA-10	SS132340	MEx	WT_IPC-14-55838	07/07/2014	RG-TA-06	07/07/2014	1.46	0.75	F	—	—	—	X	—	—	—	—
J012	PJ-SMA-10	SS132340	MEx	WT_IPC-14-56002	07/07/2014	RG-TA-06	07/07/2014	1.46	0.75	UF	X	X	X	—	X	X	X	—
J007	PJ-SMA-6	SS24255	MEx	WT_IPC-14-55841	07/08/2014	RG-TA-06	07/08/2014	2	5	F	—	—	—	X	—	—	—	—
J007	PJ-SMA-6	SS24255	MEx	WT_IPC-14-56104	07/08/2014	RG-TA-06	07/08/2014	2	5	UF	X	X	X	—	X	—	—	—
J010	PJ-SMA-9	SS2427	MEx	WT_IPC-14-55842	06/21/2014	RG-TA-06	06/21/2014	0.4	0.75	F	—	—	—	X	—	—	—	—
J010	PJ-SMA-9	SS2427	MEx	WT_IPC-14-56003	06/21/2014	RG-TA-06	06/21/2014	0.4	0.75	UF	X	X	X	—	X	X	X	—
P006	P-SMA-2	SS057	MEx	WT_IPC-14-55836	09/05/2014	RG038	09/05/2014	0.37	0.41	F	—	—	—	X	—	—	—	—
P006	P-SMA-2	SS057	MEx	WT_IPC-14-56012	09/05/2014	RG038	09/05/2014	0.37	0.41	UF	X	X	X	—	X	—	—	—
I004	PT-SMA-2	SS2658	MEx	WT_IPC-14-55843	07/07/2014	RG262.4	07/07/2014	0.22	0.66	F	—	—	—	X	—	—	—	—
I004	PT-SMA-2	SS2658	MEx	WT_IPC-14-56004	07/07/2014	RG262.4	07/07/2014	0.22	0.66	UF	X	X	X	—	X	X	X	—
I005	PT-SMA-3	SS094807	MEx	WT_IPC-14-55900	07/15/2014	RG267.4	07/14/2014	0.75	3.5	F	—	—	—	X	—	—	—	—
I005	PT-SMA-3	SS094807	MEx	WT_IPC-14-55987	07/15/2014	RG267.4	07/14/2014	0.75	3.5	UF	X	X	X	—	X	X	—	—
I007	PT-SMA-4.2	SS094806	MEx	WT_IPC-14-55899	07/02/2014	RG267.4	07/02/2014	0.34	0.58	F	—	—	—	X	—	—	—	—
I007	PT-SMA-4.2	SS094806	MEx	WT_IPC-14-55986	07/02/2014	RG267.4	07/02/2014	0.34	0.58	UF	X	X	X	—	X	X	—	—
S015	S-SMA-5.5	SS091619	MEx	WT_IPC-14-55888	07/31/2014	RG-TA-53	07/31/2014	0.54	2	F	—	—	—	X	—	—	—	—
S015	S-SMA-5.5	SS091619	MEx	WT_IPC-14-56078	07/31/2014	RG-TA-53	07/31/2014	0.54	2	UF	X	X	X	—	X	—	—	—
T008	T-SMA-6.8	SS103716	MEx	WT_IPC-14-55915	07/31/2014	RG200.5	07/31/2014	0.74	1.41	F	—	—	—	X	—	—	—	—
T008	T-SMA-6.8	SS103716	MEx	WT_IPC-14-56087	07/31/2014	RG200.5	07/31/2014	0.74	1.41	UF	X	X	X	—	X	—	—	—

Table 3-3 (continued)

Permitted Feature	SMA	Station Number	Stage	Sample	Sample Date	Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radionuclides		Metals		Cyanide	Organic Analysis		
											Gross Alpha	Radium-226/228	Selenium and Mercury	Dissolved Metals[a]	Cyanide (WAD[b])	Hexp[c]	SVOAs[d]	Total PCBs
W008	W-SMA-7	SS25243	MEx	WT_IPC-14-55927	07/08/2014	RG257	07/08/2014	1.8	3.3	F	—	—	—	X	—	—	—	—
W008	W-SMA-7	SS25243	MEx	WT_IPC-14-56093	07/08/2014	RG257	07/08/2014	1.8	3.3	UF	X	X	X	—	X	—	—	—

[a] Dissolved Metals = Aluminum, antimony, arsenic, boron, cadmium, chromium, cobalt, copper, lead, nickel, silver, thallium, vanadium, zinc.

[b] WAD = Weak acid dissociable.

[c] Hexp = High explosives.

[d] SVOAs = Semivolatile organic analytes.

[e] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[f] F = Filtered.

[g] — = The sample was not analyzed for the associated parameters.

[h] X = The sample was analyzed for the associated parameters.

[i] UF = Unfiltered.

Table 3-4
2014 Enhanced Control Confirmation Monitoring

Permitted Feature	SMA	Station Number	Stage Number	Sample	Sample Date	Associated Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radioactivities		Metals and Cyanide						Organic Analyses		
											Gross Alpha	Radium-226/228	Aluminum	Copper	Copper and Zinc	Selenium and Mercury	Dissolved Metals[a]	Cyanide (WAD[b])	Hexp[c]	SVOAs[d]	Total PCBs
E004	2M-SMA-1.44	SS093205	CAM5 Sample 2[e]	WT_IPC-14-55939	07/31/2014	RG-TA-06	07/31/2014	1.17	3	F[f]	—[g]	—	—	X[h]	—	—	—	—	—	—	—
E004	2M-SMA-1.44	SS093205	CAM5 Sample 2	WT_IPC-14-56115	07/31/2014	RG-TA-06	07/31/2014	1.17	3	UF[i]	X	—	—	—	—	—	—	—	—	—	—
E009	2M-SMA-1.7	SS2438	CAM5 Sample 1[j]	WT_IPC-14-55933	07/08/2014	RG-TA-06	07/08/2014	2	5	F	—	—	—	X	—	—	—	—	—	—	—
E009	2M-SMA-1.7	SS2438	CAM5 Sample 2	WT_IPC-14-55936	08/26/2014	RG-TA-06	08/26/2014	0.11	2.5	F	—	—	—	X	—	—	—	—	—	—	—
V008	CDV-SMA-2.41	SS090407	CAM5 Sample 1	WT_IPC-14-81180	07/08/2014	RG257	07/08/2014	1.8	3.3	UF	X	—	—	—	—	—	—	—	—	—	X
F001	F-SMA-2	SS092401	CAM5 Sample 1	WT_IPC-14-81182	07/15/2014	RG267.4	07/15/2014	0.89	2.16	F	—	—	X	X	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	CAM5 Sample 1	WT_IPC-14-81184	07/15/2014	RG267.4	07/15/2014	0.89	2.16	UF	X	—	—	—	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	CAM5 Sample 2	WT_IPC-14-81183	07/31/2014	RG267.4	07/31/2014	0.64	1.66	F	—	—	X	X	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	CAM5 Sample 2	WT_IPC-14-81185	07/31/2014	RG267.4	07/31/2014	0.64	1.66	UF	X	—	—	—	—	—	—	—	—	—	—
L003	LA-SMA-1	SS121044	CAM5 Sample 2	WT_IPC-14-55954	07/29/2014	RG121.9	07/29/2014	1.24	2.25	F	—	—	—	—	—	—	X	—	—	—	—
L003	LA-SMA-1	SS121044	CAM5 Sample 2	WT_IPC-14-56019	07/29/2014	RG121.9	07/29/2014	1.24	2.25	UF	X	X	—	—	—	X	—	X	—	—	X
L014	LA-SMA-5.35	SS091014	CAM5 Sample 1	WT_IPC-14-55935	06/21/2014	RG055.5	06/21/2014	0.25	0.75	F	—	—	—	X	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	CAM5 Sample 1	WT_IPC-14-56108	06/21/2014	RG055.5	06/21/2014	0.25	0.75	UF	X	—	—	—	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	CAM5 Sample 2	WT_IPC-14-55934	07/19/2014	RG055.5	07/19/2014	0.38	1.5	F	—	—	—	X	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	CAM5 Sample 2	WT_IPC-14-56107	07/19/2014	RG055.5	07/19/2014	0.38	1.5	UF	X	—	—	—	—	—	—	—	—	—	—
L019	LA-SMA-5.91	SS091019	CAM5 Sample 2	WT_IPC-14-56132	07/15/2014	RG038	07/15/2014	0.98	2.25	UF	X	—	—	—	—	—	—	—	—	—	—
M002B	M-SMA-1.22	SS091228	CAM5 Sample 2	WT_IPC-14-55816	07/29/2014	RG121.9	07/29/2014	1.24	2.25	F	—	—	X	X	—	—	—	—	—	—	—
I002	PT-SMA-1	SS124815	CAM5 Sample 1	WT_IPC-14-55946	07/09/2014	RG262.4	07/08/2014	1.09	3.5	F	—	—	—	—	—	—	X	—	—	—	—
I002	PT-SMA-1	SS124815	CAM5 Sample 1	WT_IPC-14-55973	07/09/2014	RG262.4	07/08/2014	1.09	3.5	UF	X	X	—	—	—	X	—	X	X	X	—
I002	PT-SMA-1	SS124815	CAM5 Sample 2	WT_IPC-14-55951	07/31/2014	RG262.4	07/31/2014	0.95	1.83	F	—	—	—	—	—	—	X	—	—	—	—
I002	PT-SMA-1	SS124815	CAM5 Sample 2	WT_IPC-14-55975	07/31/2014	RG262.4	07/31/2014	0.95	1.83	UF	X	X	—	—	—	X	—	X	X	X	—
S001	S-SMA-0.25	SS091601	CAM3 Sample 1[k]	WT_IPC-14-85010	07/15/2014	RG121.9	07/14/2014	0.7	4	UF	X	—	—	—	—	—	—	—	—	X	X
S001	S-SMA-0.25	SS091601	CAM3 Sample 2[l]	WT_IPC-14-85011	08/22/2014	RG121.9	08/22/2014	0.11	0.91	UF	X	—	—	—	—	—	—	—	—	X	X
S002	S-SMA-1.1	SS121634	CAM3 Sample 1	WT_IPC-14-55941	07/07/2014	RG121.9	07/07/2014	1.27	0.83	F	—	—	—	—	—	—	X	—	—	—	—
S002	S-SMA-1.1	SS121634	CAM3 Sample 1	WT_IPC-14-56017	07/07/2014	RG121.9	07/07/2014	1.27	0.83	UF	X	X	—	—	—	X	—	X		—	X
S002	S-SMA-1.1	SS121634	CAM3 Sample 2	WT_IPC-14-55942	07/29/2014	RG121.9	07/29/2014	1.24	2.25	F	—	—	—	—	—	—	X	—	—	—	—
S002	S-SMA-1.1	SS121634	CAM3 Sample 2	WT_IPC-14-56018	07/29/2014	RG121.9	07/29/2014	1.24	2.25	UF	X	X	—	—	—	X	—	X		—	X
S005B	S-SMA-3.53	SS091605	CAM3 Sample 1	WT_IPC-14-55812	07/07/2014	RG121.9	07/07/0214	1.27	0.83	F	—	—	X	X	—	—	—	—	—	—	—
S005B	S-SMA-3.53	SS091605	CAM3 Sample 1	WT_IPC-14-56117	07/07/2014	RG121.9	07/07/2014	1.27	0.83	UF	—	—	—	—	—	—	—	—	X	—	X
W001	W-SMA-1	SS133939	CAM5 Sample 2	WT_IPC-14-55959	07/19/2014	RG253	07/19/2014	1.06	2.83	F	—	—	—	—	—	—	X	—	—	—	—
W001	W-SMA-1	SS133939	CAM5 Sample 2	WT_IPC-14-56051	07/19/2014	RG253	07/19/2014	1.06	2.83	UF	X	X	—	—	—	X	—	X	—	—	—
W002	W-SMA-1.5	SS103928	CAM5 Sample 1	WT_IPC-14-55929	07/19/2014	RG253	07/19/2014	1.06	2.83	F	—	—	—	—	X	—	—	—	—	—	—

Table 3-4 (continued)

Permitted Feature	SMA	Station Number	Stage Number	Sample	Sample Date	Associated Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radioactivities		Metals and Cyanide						Organic Analyses		
											Gross Alpha	Radium-226/228	Aluminum	Copper	Copper and Zinc	Selenium and Mercury	Dissolved Metals[a]	Cyanide (WAD[b])	Hexp[c]	SVOAs[d]	Total PCBs
W021	W-SMA-14.1	SS123937	CAM5 Sample 2	WT_IPC-14-55957	07/15/2014	RG262.4	07/15/2014	0.74	2.08	F	—	—	—	—	—	—	X	—	—	—	—
W021	W-SMA-14.1	SS123937	CAM5 Sample 2	WT_IPC-14-55972	07/15/2014	RG262.4	07/15/2014	0.74	2.08	UF	X	X	—	—	—	X	—	X	X	—	—

[a] Dissolved Metals = Aluminum, antimony, arsenic, boron, cadmium, chromium, cobalt, copper, lead, nickel, silver, thallium, vanadium, and zinc.

[b] Wad = Weak acid dissociable.

[c] Hexp = High explosives.

[d] SVOAs = Semivolatile organic analytes.

[e] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[f] F = Filtered.

[g] — = Not applicable.

[h] X = The sample is analyzed for the associated parameters.

[i] UF = Unfiltered.

[j] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[k] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[l] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table 3-5
2014 Non-Confirmation Monitoring

Permitted Feature	SMA	Station Number	Sample Date	Sample	Field Prep	Sample Type	Discussion
J027	PJ-SMA-20	SS092332	05/22/2014	WT_IPC-14-56016	UF[a]	INV[b]	The sample was not collected to fulfill a confirmation monitoring requirement. Instead, the sample was analyzed and reported as a condition of completion of corrective action per Part I.E.1(b) of the Permit.
J027	PJ-SMA-20	SS092332	05/22/2014	WT_IPC-14-55940	F[c]	INV	
I001	PT-SMA-0.5	SS26565	08/06/2014	WT_IPC-14-56006	UF	INV	The sample collected did not meet the criteria for confirmation monitoring. It was not collected within the first hour of discharge. Instead, the sample resulted from seepage from a berm after several storm events.
I001	PT-SMA-0.5	SS26565	08/06/2014	WT_IPC-14-55811	F	INV	
S001	S-SMA-0.25	SS091601	09/28/2014	WT_IPC-14-87660	UF	INV	The sample collected did not meet the criteria for confirmation monitoring. It was not collected following a storm event.
S001	S-SMA-0.25	SS091601	09/28/2014	WT_IPC-14-87665	F	INV	
W002	W-SMA-1.5	SS103928	07/31/2014	WT_IPC-14-55931	F	INV	The sample collected did not meet the criteria for confirmation monitoring. It was collected 12 d from the previous confirmation monitoring sample at the SMA.

[a] UF = Unfiltered.

[b] INV = Investigation.

[c] F = Filtered

Table 3-6
Summary of Confirmation Monitoring TAL Exceedances

SMA	Stage	Analyte	Units	Total Analyses	No. of Detects	% of Detect	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL[a]	No. of MTAL Exceedances	% MTAL Exceedances	Concentration Range	Result/MTAL Ratio Range
2M-SMA-1.44	CAM5[b]	Copper	µg/L	2	2	100%	n/a[c]	n/a	n/a	4.3	2	100%	27.6 to 39.5	6.4 to 9.2
2M-SMA-1.7	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.57 to 4.6	1.07
3M-SMA-0.5	MEx[d]	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	4.35	1.01
3M-SMA-0.5	MEx	Gross alpha	pCi/L	1	1	100%	15	29.5	1.97	n/a	n/a	n/a	29.5	n/a[e]
3M-SMA-4	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	4.72	1.10
3M-SMA-4	MEx	Gross alpha	pCi/L	1	1	100%	15	259	17.3	n/a	n/a	n/a	259	n/a
CDV-SMA-2.41	CAM5	Gross alpha	pCi/L	1	1	100%	15	94.2	6.28	n/a	n/a	n/a	94.2	n/a
CDV-SMA-2.41	CAM5	Total PCB	µg/L	1	1	100%	0.00064	0.0253	39.5	n/a	n/a	n/a	0.0253	n/a
CDV-SMA-6.01	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	10	2.33
CDV-SMA-6.01	MEx	Gross alpha	pCi/L	1	1	100%	15	140	9.33	n/a	n/a	n/a	140	n/a
CDV-SMA-6.01	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	46.3	1.54	n/a	n/a	n/a	46.3	n/a
CDV-SMA-8	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	1	100%	1360	1.81
CDV-SMA-8	MEx	Gross alpha	pCi/L	1	1	100%	15	53.4	3.56	n/a	n/a	n/a	53.4	n/a
CHQ-SMA-0.5	MEx	Gross alpha	pCi/L	1	1	100%	15	88.3	5.89	n/a	n/a	n/a	88.3	n/a
CHQ-SMA-0.5	MEx	Total PCB	µg/L	1	1	100%	0.00064	0.0119	18.6	n/a	n/a	n/a	0.0119	n/a
F-SMA-2	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.79 to 10.8	2.5
F-SMA-2	CAM5	Gross alpha	pCi/L	2	2	100%	15	81.2	5.41	n/a	n/a	n/a	58.9 to 112	n/a
LA-SMA-1	CAM5	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	1	100%	800	1.07
LA-SMA-1	CAM5	Gross alpha	pCi/L	2	2	100%	15	178	11.9	n/a	n/a	n/a	73.3 to 434	n/a
LA-SMA-1	CAM5	Total PCB	µg/L	2	2	100%	0.00064	0.0231	36.2	n/a	n/a	n/a	0.0175 to 0.0306	n/a
LA-SMA-5.35	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.98 to 11.3	2.63
LA-SMA-5.35	CAM5	Gross alpha	pCi/L	2	2	100%	15	22.4	1.5	n/a	n/a	n/a	4.27 to 118	n/a
LA-SMA-5.52	Mex	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	1	100%	1070	1.43
LA-SMA-5.52	Mex	Gross alpha	pCi/L	1	1	100%	15	171	11.4	n/a	n/a	n/a	171	n/a
LA-SMA-5.52	Mex	Mercury	µg/L	1	1	100%	0.77	0.994	1.29	1.4	0	0%	0.994	n/a
LA-SMA-5.52	Mex	Total PCB	µg/L	1	1	100%	0.00064	0.307	480	n/a	n/a	n/a	0.307	n/a
LA-SMA-5.91	CAM5	Gross alpha	pCi/L	2	2	100%	15	51.5	3.43	n/a	n/a	n/a	15.7 to 169	n/a
LA-SMA-9	MEx	Gross alpha	pCi/L	1	1	100%	15	208	13.9	n/a	n/a	n/a	208	n/a
M-SMA-1.22	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.72 to 5.96	1.39
PJ-SMA-10	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	16.8	3.91
PJ-SMA-10	MEx	Gross alpha	pCi/L	1	1	100%	15	280	18.7	n/a	n/a	n/a	280	n/a
PJ-SMA-6	MEx	Gross alpha	pCi/L	1	1	100%	15	81.6	5.44	n/a	n/a	n/a	81.6	n/a
PJ-SMA-9	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	7.76	1.80
PJ-SMA-9	MEx	Gross alpha	pCi/L	1	1	100%	15	41.6	2.77	n/a	n/a	n/a	41.6	n/a
P-SMA-2	MEx	Gross alpha	pCi/L	1	1	100%	15	130	8.67	n/a	n/a	n/a	130	n/a
PT-SMA-1	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	2	100%	21.4 to 45.5	4.97 to 10.58
PT-SMA-1	CAM5	Gross alpha	pCi/L	2	2	100%	15	1700	113	n/a	n/a	n/a	650 to 4440	n/a

Table 3-6 (continued)

SMA	Stage	Analyte	Units	Total Analyses	No. of Detects	% of Detect	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL[a]	No. of MTAL Exceedances	% MTAL Exceedances	Concentration Range	Result/MTAL Ratio Range
PT-SMA-2	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	10.3	2.40
PT-SMA-2	MEx	Gross alpha	pCi/L	1	1	100%	15	290	19.3	n/a	n/a	n/a	290	n/a
PT-SMA-3	MEx	Gross alpha	pCi/L	1	1	100%	15	548	36.5	n/a	n/a	n/a	548	n/a
PT-SMA-4.2	MEx	Gross alpha	pCi/L	1	1	100%	15	393	26.2	n/a	n/a	n/a	393	n/a
PT-SMA-4.2	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	95.9	3.2	n/a	n/a	n/a	95.9	n/a
S-SMA-0.25	CAM3[f]	Copper	µg/L	3	3	100%	n/a	n/a	n/a	4.3	2	66.70%	3.93 to 15.2	2.28 to 3.53
S-SMA-0.25	CAM3	Total PCB	µg/L	3	3	100%	0.00064	0.00887	13.9	n/a	n/a	n/a	0.004 to 0.0418	n/a
S-SMA-0.25	CAM3	Zinc	µg/L	3	3	100%	n/a	n/a	n/a	42	1	33.30%	27.1 to 103	2.45
S-SMA-1.1	CAM3	Gross alpha	pCi/L	2	2	100%	15	20.1	1.34	n/a	n/a	n/a	10.1 to 39.9	n/a
S-SMA-1.1	CAM3	Total PCB	µg/L	2	2	100%	0.00064	0.0184	28.8	n/a	n/a	n/a	0.0182 to 0.0187	n/a
S-SMA-3.53	CAM3	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	7.41	1.72
S-SMA-3.53	CAM3	Gross alpha	pCi/L	1	1	100%	15	34.4	2.29	n/a	n/a	n/a	34.4	n/a
S-SMA-3.53	CAM3	Total PCB	µg/L	1	1	100%	0.00064	0.0997	156	n/a	n/a	n/a	0.0997	n/a
S-SMA-5.5	MEx	Gross alpha	pCi/L	1	1	100%	15	91	6.07	n/a	n/a	n/a	91	n/a
T-SMA-6.8	MEx	Gross alpha	pCi/L	1	1	100%	15	163	10.9	n/a	n/a	n/a	163	n/a
W-SMA-1	CAM5	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	2	100%	858 to 1010	1.14 to 1.35
W-SMA-1	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	4.01 to 4.45	1.03
W-SMA-1	CAM5	Gross alpha	pCi/L	2	2	100%	15	50.5	3.37	n/a	n/a	n/a	8.13 to 314	n/a
W-SMA-1.5	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	2.97 to 6.9	1.6
W-SMA-14.1	CAM5	Gross alpha	pCi/L	2	2	100%	15	61	4.07	n/a	n/a	n/a	38.7 to 96.2	NA
W-SMA-7	MEx	Gross alpha	pCi/L	1	1	100%	15	427	28.5	n/a	n/a	n/a	427	NA
W-SMA-7	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	42	1.4	n/a	n/a	n/a	42	n/a

[a] MTAL exceedances are reported to EPA within 24-h of receipt of data.

[b] CAM5 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[c] n/a = Not applicable.

[d] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[e] n/a = Not applicable.

[f] CAM3 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table 4-1
Deadlines for Completion of Corrective Action at SMAs Associated with High Priority Sites and a Baseline Monitoring Confirmation Sample Collected after September 30, 2012

Permitted Feature	SMA Number	Site Number	Stage	Sample Collection	Receipt of Results	Deadline for Completion of Corrective Action
P005	P-SMA-1	73-001(a)	MEx[a]	n/a[b]	n/a	n/a
P005	P-SMA-1	73-004(d)	MEx	n/a	n/a	n/a
P008	P-SMA-2.2	00-019	MEx	n/a	n/a	n/a
P009	P-SMA-3.05	00-018(a)	S1[c]	09/13/2013	10/21/2013	10/21/2014
L006	LA-SMA-2.1	01-001(f)	CAM3[d]	09/13/2013	10/28/2013	10/28/2014
L008	LA-SMA-3.1	01-001(e)	MEx	n/a	n/a	n/a
L008	LA-SMA-3.1	01-003(a)	MEx	n/a	n/a	n/a
L012	LA-SMA-5.01	01-001(d)	MEx	n/a	n/a	n/a
L012	LA-SMA-5.01	01-006(h)	MEx	n/a	n/a	n/a
L018	LA-SMA-5.51	02-003(a)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-003(e)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-004(a)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-005	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-006(b)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-006(c)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-006(d)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-006(e)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-008(a)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-009(b)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-011(a)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-011(b)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-011(c)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018	LA-SMA-5.51	02-011(d)	CAM3	07/12/2013	08/21/2013	08/21/2014
L018A	LA-SMA-5.52	02-003(b)	S7[e]	07/29/2014	10/20/2014	10/20/2015
L018A	LA-SMA-5.52	02-007	S7	07/29/2014	10/20/2014	10/20/2015
L018A	LA-SMA-5.52	02-008(c)	S7	07/29/2014	10/20/2014	10/20/2015
L018B	LA-SMA-5.53	02-009(a)	MEx	n/a	n/a	n/a
L018C	LA-SMA-5.54	02-009(c)	CAM3	09/13/2013	10/28/2013	10/28/2014
L028	LA-SMA-6.5	21-024(i)	MEx	n/a	n/a	n/a
S005	S-SMA-3.51	03-009(i)	MEx	n/a	n/a	n/a
S005A	S-SMA-3.52	03-021	MEx	n/a	n/a	n/a
S013	S-SMA-5	20-002(c)	MEx	n/a	n/a	n/a
C010	CDB-SMA-4	54-017	CACompC[f]	07/25/2013	08/27/2013	08/27/2014
C010	CDB-SMA-4	54-018	CACompC	07/25/2013	08/27/2013	08/27/2014

Table 4-1 (continued)

Permitted Feature	SMA Number	Site Number	Stage	Sample Collection	Receipt of Results	Deadline for Completion of Corrective Action
C010	CDB-SMA-4	54-020	CACompC	07/25/2013	08/27/2013	08/27/2014
M005	M-SMA-3.5	48-003	MEx	n/a	n/a	n/a
M010	M-SMA-7.9	50-006(d)	AltCompR[g]	09/13/2013	10/22/2013	10/22/2014
T001	Pratt-SMA-1.05	35-003(h)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-003(p)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-003(r)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-004(h)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-009(d)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-016(k)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-016(l)	CAM3	09/13/2013	10/24/2013	10/24/2014
T001	Pratt-SMA-1.05	35-016(m)	CAM3	09/13/2013	10/24/2013	10/24/2014
J024	PJ-SMA-17	54-018	CACompC	07/25/2013	09/04/2013	09/04/2014
J026	PJ-SMA-18	54-017	CACompC	07/25/2013	09/03/2013	09/03/2014
J025	PJ-SMA-19	54-013(b)	CACompC	08/8/2013	09/11/2013	09/11/2014
J025	PJ-SMA-19	54-017	CACompC	08/8/2013	09/11/2013	09/11/2014
J025	PJ-SMA-19	54-020	CACompC	08/8/2013	09/11/2013	09/11/2014

[a] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[b] n/a = Not applicable.

[c] S1 = Permit screening process for corrective action recommendation: Certificate of completion received.

[d] CAM3 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[e] S7 = Permit screening process for corrective action recommendation: Alternatives analysis is being performed to determine appropriate control to achieve corrective action.

[f] CACompC = Corrective action is complete under the Permit with a certification of no exposure.

[g] AltCompR = Alternative compliance request requested.

Table 4-2
Enhanced Control Measures Installed during 2014

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date
A-SMA-2	A00203010041	Berm	Earthen Berm	—[e]	X[f]	—	X	12/16/2014
A-SMA-2	A00203010042	Berm	Earthen Berm	—	X	X	—	12/16/2014
A-SMA-2	A00203010043	Berm	Earthen Berm	—	X	—	X	12/16/2014
A-SMA-2	A00204040044	Channel/Swale	Culvert	X	—	X	—	12/16/2014
A-SMA-2	A00204080045	Channel/Swale	TRM[g]-lined Channel/Swale	X	—	X	—	12/16/2014
A-SMA-2	A00204040046	Channel/Swale	Culvert	X	—	X	—	12/16/2014
A-SMA-2	A00203150047	Berm	Redi-Rock Berm	—	X	X	—	12/16/2014
A-SMA-2	A00204080048	Channel/Swale	TRM-lined Channel/Swale	X	—	X	—	12/16/2014
A-SMA-2	A00204040049	Channel/Swale	Culvert	X	—	X	—	12/16/2014
A-SMA-2	A00205020050	Sediment Trap and Basin	Sediment Basin	—	X	X	—	12/16/2014
A-SMA-2	A00203010051	Berm	Base Course Berm	—	X	—	X	12/16/2014
A-SMA-2	A00204080052	Channel/Swale	TRM-lined Channel/Swale	X	—	—	X	12/16/2014
A-SMA-2	A00204050053	Channel/Swale	Water bar	X	—	—	X	12/16/2014
CHQ-SMA-1.03	Q002B03150013	Berm	Redi-Rock Berm	—	X	—	X	04/09/2014
LA-SMA-2.1	L00601060015	Seed and Mulch	Erosion Control Blanket	X	—	—	—	07/18/2014
LA-SMA-2.1	L00602030017	Permanent Vegetation	Vegetative Buffer Strip	X	X	—	X	07/18/2014
LA-SMA-2.1	L00603060012	Berm	Straw Wattle	—	X	—	X	07/18/2014
LA-SMA-2.1	L00603060013	Berm	Straw Wattle	—	X	—	X	07/18/2014
LA-SMA-2.1	L00603140014	Berm	Coir Log	—	X	—	X	07/18/2014
LA-SMA-2.1	L00605020016	Sediment Trap and Basin	Sediment Basin	—	X	—	X	07/18/2014
LA-SMA-5.51	L01803010010	Berm	Earthen Berm	—	X	—	X	06/16/2014
LA-SMA-5.51	L01803010011	Berm	Earthen Berm	—	X	—	X	06/16/2014
LA-SMA-5.51	L01803010012	Berm	Earthen Berm	—	X	—	X	06/16/2014
LA-SMA-5.54	L018C03010014	Berm	Earthen Berm	—	X	—	X	08/22/2014
LA-SMA-5.54	L018C03010015	Berm	Earthen Berm	—	X	X	—	08/22/2014
LA-SMA-5.54	L018C03140026	Berm	Coir Log	—	X	—	X	09/16/2014

Table 4-2 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC[a]	SC[b]	RON[c]	ROFF[d]	Install Date
LA-SMA-5.54	L018C04030013	Channel/Swale	Rock Channel/Swale	X	—	X	—	08/22/2014
M-SMA-1.2	M00203140011	Berm	Coir Log	—	X	—	X	09/18/2014
M-SMA-1.2	M00205020010	Sediment Trap and Basin	Sediment Basin	—	X	—	X	09/18/2014
PRATT-SMA-1.05	T00103010022	Berm	Earthen Berm	—	X	—	X	02/13/2014
PRATT-SMA-1.05	T00103010023	Berm	Earthen Berm	—	X	—	X	04/17/2014
PRATT-SMA-1.05	T00103020024	Berm	Base Course Berm	—	X	X	—	04/17/2014
R-SMA-1.95	R00303010021	Berm	Earthen Berm	—	X	—	X	09/10/2014
R-SMA-1.95	R00303140019	Berm	Coir Log	—	X	—	X	09/04/2014
R-SMA-1.95	R00303140020	Berm	Coir Log	—	X	—	X	09/04/2014
S-SMA-0.25	S00104030014	Channel/Swale	Rock Channel/Swale	X	—	X	—	04/09/2014
S-SMA-0.25	S00105010013	Sediment Trap and Basin	Sediment Trap	—	X	X	—	04/09/2014
S-SMA-0.25	S00105050012	Sediment Trap and Basin	Bioretention Basin	—	X	X	—	04/09/2014

[a] EC = Erosion control.

[b] SC = Sediment control.

[c] RON = Run-on control.

[d] ROFF = Runoff control.

[e] — = Control does not perform the identified function.

[f] X = Control performs the identified function.

[g] TRM = Turf-reinforcing matting.

Table 4-3
Cumulative List of Individual Permit Sites Certified Corrective Action Complete with No Exposure

Site No.	Site Priority	Permitted Feature	Associated SMA Number	Date Issued	Reference
54-017	High	C010	CDB-SMA-4	08/27/2014	LANL 2014, 260884
54-018	High	C010	CDB-SMA-4	08/27/2014	LANL 2014, 260884
54-020	High	C010	CDB-SMA-4	08/27/2014	LANL 2014, 260884
54-018	High	J024	PJ-SMA-17	08/27/2014	LANL 2014, 260884
54-014(d)	Moderate	J026	PJ-SMA-18	08/28/2014	LANL 2014, 260887
54-017	High	J026	PJ-SMA-18	08/28/2014	LANL 2014, 260887
54-013(b)	High	J025	PJ-SMA-19	08/28/2014	LANL 2014, 260887
54-017	High	J025	PJ-SMA-19	08/28/2014	LANL 2014, 260887
54-020	High	J025	PJ-SMA-19	08/28/2014	LANL 2014, 260887
54-017	High	J027	PJ-SMA-20	10/25/2013	LANL 2013, 260188
50-009	High	T002	T-SMA-1	10/31/2013	LANL 2013, 250960

Table 4-4
Cumulative List of Individual Permit Sites with a Certificate of Completion under the Consent Order

Site No.	Site Priority	Permitted Feature	SMA	Stage	Corrective Action Complete Status	Date Issued	Reference
00-011(a)	Moderate	R006	R-SMA-2.5	MEx[a]	Complete with Controls	05/07/2013	NMED 2013, 522505
00-011(c)	Moderate	R004	R-SMA-2.05	MEx	Complete without Controls	05/16/2012	NMED 2012, 520388
00-011(d)	Moderate	B002	B-SMA-1	CACompD[b]	Complete with Controls	05/07/2013	NMED 2013, 522505
00-011(e)	Moderate	R005	R-SMA-2.3	BCComp[c]	Complete with Controls	05/07/2013	NMED 2013, 522505
00-018(b)	Moderate	P004	P-SMA-0.3	CACompD	Complete without Controls	01/14/2011	NMED 2011, 111673
01-001(b)	Moderate	L007	LA-SMA-2.3	CACompD	Complete with Controls	09/10/2010	NMED 2010, 110667
01-001(c)	Moderate	L011	LA-SMA-4.2	MEx	Complete with Controls	09/10/2010	NMED 2010, 110667
01-001(e)	High	L008	LA-SMA-3.1	MEx	Complete with Controls	09/10/2010	NMED 2010, 110667
01-003(e)	High	L012A	LA-SMA-5.02	CACompD	Complete with Controls	09/10/2010	NMED 2010, 110667
01-006(d)	Moderate	L011	LA-SMA-4.2	MEx	Complete with Controls	09/10/2010	NMED 2010, 110667
03-056(c)	High	S003	S-SMA-2	CACompD	Complete with Controls	02/18/2011	NMED 2011, 111821
16-030(c)	Moderate	V003	CDV-SMA-1.4	CACompD	Complete without Controls	01/23/2008	NMED 2008, 100116
21-013(b)	Moderate	L019A	LA-SMA-5.92	CACompD	Complete with Controls	06/03/2011	NMED 2011, 203706
21-013(g)	Moderate	L019A	LA-SMA-5.92	CACompD	Complete with Controls	06/03/2011	NMED 2011, 203706
21-018(a)	Moderate	L019A	LA-SMA-5.92	CACompD	Complete with Controls	06/03/2011	NMED 2011, 203706
21-023(c)	Moderate	L019	LA-SMA-5.91	CACompD	Complete with Controls	06/03/2011	NMED 2011, 203706
32-002(b1)	Moderate	L017	LA-SMA-5.361	MEx	Complete with Controls	12/28/2012	NMED 2012, 521746
32-003	Moderate	L017A	LA-SMA-5.362	MEx	Complete with Controls	12/20/2012	NMED 2012, 521776
32-004	Moderate	L016	LA-SMA-5.33	CACompD	Complete with Controls	12/28/2012	NMED 2012, 521746
35-014(e2)	High	M013	M-SMA-10.3	CACompD	Complete with Controls	09/27/2013	NMED 2013, 523693
35-016(i)	High	M013	M-SMA-10.3	CACompD	Complete with Controls	09/27/2013	NMED 2013, 523693
39-001(b)	Moderate	A005	A-SMA-2.8	MEx	Complete without Controls	04/06/2010	NMED 2010, 110430
39-002(c)	Moderate	A004	A-SMA-2.7	CACompD	Complete without Controls	04/06/2010	NMED 2010, 110430
43-001(b2)	Moderate	L004	LA-SMA-1.1	CACompD	Complete with Controls	09/10/2010	NMED 2010, 110667
45-001	Moderate	P002	ACID-SMA-2	CACompD	Complete without Controls	02/22/2013	NMED 2013, 522072
45-002	Moderate	P002	ACID-SMA-2	CACompD	Complete without Controls	02/22/2013	NMED 2013, 522072

Table 4-4 (continued)

Site No.	Site Priority	Permitted Feature	SMA	Stage	Corrective Action Complete Status	Date Issued	Reference
45-004	Moderate	P002	ACID-SMA-2	CACompD	Complete without Controls	02/22/2013	NMED 2013, 522072
46-004(m)	Moderate	C003	CDB-SMA-0.55	CACompD	Complete without Controls	07/13/2012	NMED 2012, 520940
48-007(a)	Moderate	M006	M-SMA-4	CACompD	Complete with Controls	09/07/2010	NMED 2010, 110665
48-007(d)	Moderate	M006	M-SMA-4	CACompD	Complete with Controls	09/07/2010	NMED 2010, 110665
48-010	Moderate	M006	M-SMA-4	CACompD	Complete with Controls	09/07/2010	NMED 2010, 110665
53-001(b)	Moderate	S009	S-SMA-3.72	MEx	Complete without Controls	07/31/2013	NMED 2013, 523159
53-002(a)	Moderate	L030	LA-SMA-10.11	MEx	Complete with Controls	09/13/2006	NMED 2006, 095421
53-014	High	S011	S-SMA-4.1	CACompD	Complete without Controls	07/31/2013	NMED 2013, 523159
73-002	Moderate	P006	P-SMA-2	CAI[d]	Complete with Controls	08/13/2007	NMED 2007, 098441
73-006	Moderate	P006	P-SMA-2	CAI	Complete with Controls	08/13/2007	NMED 2007, 098441
C-00-020	Moderate	R001	R-SMA-0.5	CACompD	Complete without Controls	05/16/2012	NMED 2012, 520388
C-46-001	Moderate	C004	CDB-SMA-1	CACompD	Complete without Controls	07/13/2012	NMED 2012, 520940

[a] MEx = Extended Baseline Monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[b] CACompD = Corrective action is complete under the Permit with a certificate of completion under NMED's Consent Order.

[c] BCComp = All baseline confirmation monitoring results are less than TALs. Nor further monitoring is required.

[d] CAI = Corrective action is initiated after a TAL exceedance is observed during baseline monitoring. Corrective action can be completed.

Table 4-5
Summary of Repairs Completed in 2014 from Significant Event Inspections for the Rain Events Occurring from September 10 to September 14, 2013

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
E001	2M-SMA-1	09/24/2013	There has been an increase in erosion potential at the SMA since the last inspection. Flow breached natural bank next to rock check dam 17 and flowed to riprap 10. Recommend stabilizing flow path to send water to the sediment basin next to riprap 10 in lieu of repairing bank. Earthen berm 14 received sediment from slope below Eco-block, reduced capacity. Rock check dam 16 sedimented in. Recommend removing some rocks from rock check dam 22 to create a spillway. Controls are operating effectively, repair recommended.	Repair completed	04/03/2014
E002	2M-SMA-1.42	09/20/2013	Rock check dam 6 is partly sedimented in. Control is operating effectively, repair recommended.	Rock check dam repaired	03/03/2014
E010	2M-SMA-1.8	09/24/2013	Existing cracks with vegetation growth in asphalt caps 8 and 9. Controls are not operating effectively, repair recommended.	Asphalt Repair scheduled	To be completed in 2015
E012	2M-SMA-2	09/24/2013	Repair recommended on the back side of sediment basin 14. Control is operating effectively.	Sediment basin repaired	03/06/2014
E013	2M-SMA-2.2	09/24/2013	Concrete/asphalt cap not operating effectively. Repair recommended where sealant is flaking.	Asphalt Repair scheduled	To be completed in 2015
H002	3M-SMA-0.4	09/24/2013	Earthen berm 3 is breached. Control is not operating effectively, repair recommended.	Berm repaired	03/24/2014
H006	3M-SMA-4	09/19/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Portions of concrete/asphalt channel/swale 9 are filled with sediment. Control is operating effectively, repair recommended. Riprap 6 is no longer present as a result of flooding, replacement recommended. Gabion 2 is detached in some areas and broken apart. Control is not operating effectively, repair recommended.	Repair completed	04/14/2014
P002	ACID-SMA-2	09/25/2013	There is a hole in earthen berm 4. Berm is not completely breached at this time but is close. Rock check dam 2 needs to have capacity of channel upstream restored. Controls are operating effectively, repair recommended.	Rock check dam repaired	04/15/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
P003	ACID-SMA-2.1	09/25/2013	There is a hole in earthen berm 2. Berm is not completely breached at this time but is close. Rock check dam 4 needs to have capacity of channel upstream restored. Controls are operating effectively, repair recommended.	Rock check dam repaired	04/15/2014
C002	CDB-SMA-0.25	09/26/2013	There is erosion through the middle of earthen berms 13, 17, and 18, including spillway damage. Controls are not operating effectively, repair recommended.	Berms repaired	01/24/2014
C004	CDB-SMA-1	09/26/2013	Recommend adding additional rock to riprap 6. Control is operating effectively.	Riprap repaired	03/10/2014
V001	CDV-SMA-1.2	09/20/2013	There is a small breach on top of base course berm 8. Control is operating effectively, repair recommended.	Base course added to berm to repair breach	01/09/2014
V008	CDV-SMA-2.41	09/20/2013	Sections of earth berm 13 are blown out. Rock check dam is 1/2 to 2/3 full of sediment. Controls operating effectively, repair recommended. Earthen channel/swale 14 is blown out. Control is not operating effectively, replacement recommended.	Controls repaired	05/06/2014
V012	CDV-SMA-6.01	09/24/2013	Base course berm 3 is breached. Control is not operating effectively, repair recommended.	Berm repaired	04/25/2014
V012A	CDV-SMA-6.02	09/24/2013	Earthen berm is breached on the east side. Control is not operating effectively, repair recommended.	Berm repaired	04/22/2014
V016	CDV-SMA-9.05	09/25/2013	Earthen berm 2 is breached. There are several breaches in earthen berms 3 and 4. Controls are not operating effectively, repair recommended. Earthen berm 8 is breached. There is minor rilling on downstream side of earthen berm 7. Controls are operating effectively, repair recommended.	Berms repaired	06/10/2014
D008	DP-SMA-4	09/25/2013	Modification requested to rock check dam 8 to extend eastern end and increase height. Control is operating effectively.	Rock check dam repaired	04/15/2014
L002	LA-SMA-0.9	09/25/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Earthen berms 13, 14, 15, 16, 17, and 18 are not operating effectively. Modification recommended.	Berms repaired	06/04/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
L003	LA-SMA-1	09/26/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Riprap 22 and 24 are not operating effectively, repair recommended. Rock channel/swale 20 is operating effectively, modification or repair recommended to reshape.	Repairs complete	05/01/2014
L005	LA-SMA-1.25	09/24/2013	Recommend adding base course to low areas in base course berm 1. Control is operating effectively.	Berm repaired	04/08/2014
L006	LA-SMA-2.1	09/25/2013	There has been an increase in erosion potential at the SMA since the last inspection. Log berm 7 is operating effectively, modification recommended. Riprap 6 is not operating effectively, replacement recommended.	Repairs complete	03/04/2014
L010	LA-SMA-4.1	09/25/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Rock check dam 9 is not operating effectively, modification recommended.	Rock check dam repaired	04/04/2014
L011	LA-SMA-4.2	09/25/2013	There has been an increase in erosion potential at the SMA since the last inspection. Water bars 3 and 6 are operating effectively, repair recommended. Water bar 4 is not operating effectively, repair recommended.	Repairs complete	04/21/2014
L012	LA-SMA-5.01	09/25/2013	Rock berm 10 is operating effectively, modification recommended. Water bars 8 and 9 are operating effectively, repair recommended. Straw wattle 11 operating effectively, replacement recommended.	Repairs complete	04/21/2014
L013	LA-SMA-5.2	09/25/2013	Log check dams 6 and 7 are operating effectively, modification recommended.	Repairs complete	04/27/2014
L015	LA-SMA-5.31	09/25/2013	There has been an increase in erosion potential at the SMA since the last inspection. Rock berms 10 and 11 are operating effectively, repair recommended.	No repair required	n/a*
L018	LA-SMA-5.51	09/25/2013	There has been an increase in erosion potential at the Site since the last inspection. Earthen berm 6 is not operating effectively, repair recommended. Earthen berm 8 is operating effectively, repair recommended.	Damaged controls replaced by enhanced controls	06/16/2014
L018A	LA-SMA-5.52	09/25/2013	Earthen berm 4 and riprap 5 are operating effectively, repair recommended. Rock check dam 2 is not operating effectively, modification recommended.	Repairs complete	02/28/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
L019	LA-SMA-5.91	09/23/2013	There has been an increase in erosion potential at the SMA since the last inspection. Log check dams 13 and 14 are not operating effectively, repair recommended.	Log check dam 13 repaired. Log check dam 14 repaired by adding logs to increase height and extend both ends.	11/21/2013 01/28/2014
L019A	LA-SMA-5.92	09/23/2013	There has been an increase in erosion potential at the SMA since the last inspection. Log berm 3 is not operating effectively, repair recommended.	Log berm 3 repaired by adding logs to increase height and length. Two log check dams and coir log installed downgradient of new gully.	01/29/2014
L019A	LA-SMA-5.92	09/23/2013	Earthen berm 5 is operating effectively, repair recommended.	Berm repaired	03/12/2014
L022	LA-SMA-6.3	09/23/2013	Rock check dam 4 is not operating effectively, modification recommended.	Rock check dam repaired	04/17/2014
L022A	LA-SMA-6.31	09/23/2013	There has been an increase in erosion potential at the SMA since the last inspection. Rock check dam 5 is not operating effectively, modification recommended.	Rock check dam repaired	04/17/2014
L029	LA-SMA-9	09/24/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Earthen berm 12 is not operating effectively, repair recommended.	Rock check dam repaired	04/10/2014
M001	M-SMA-1	09/23/2013	There has been an increase in erosion potential at the SMA since the last inspection. Recommend hydroseed on slope west of and above gabion 8. Gabion 8 is operating effectively, repair recommended to cover exposed filter fabric with rock.	Gabion repaired	03/14/2014
M021	M-SMA-12.92	09/23/2013	There is evidence of floatable waste, floatable garbage, or debris within the SMA that could be discharged to receiving waters. There has been an increase in erosion potential at Site and SMA since the last inspection. Sediment trap 1 breached and sediment trap 3 breached to next sediment trap. Sediment trap 4 overflowed to the west. Controls 1 and 3 not operating effectively, control 4 is operating effectively. Repairs recommended.	Repairs completed	10/10/2014
M003	M-SMA-3	09/24/2013	Recommend extending riprap 8 to the west. Control is operating effectively.	Control repaired	03/10/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
J001	PJ-SMA-1.05	09/17/2013	Earthen berm 17 is breached south of spillway. Control is not operating effectively, repair recommended.	Control repaired	03/06/2014
J013	PJ-SMA-11	09/19/2013	There has been an increase in erosion potential at the Site since the last inspection. There is an increase in flow path away from drainage into PJ-SMA-11.1 drainage. Rock check dams 6, 7, and 8 are full of sediment. Controls are not operating effectively, recommend replacement. Earth berm 3 is breached on the west side of spillway. Control is not operating effectively, repair recommended.	Controls repaired	04/28/2014
J013	PJ-SMA-11	09/19/2013	Straw wattle 19 is partially sedimented in on the northwest corner. Control is operating effectively, recommend removing sediment.	Installed additional straw wattle on north side of 19	01/09/2014
J018	PJ-SMA-14.2	09/25/2013	Rock berm 4 impacted by floodwater and sediment. Control is not operating effectively, replacement recommended.	Control repaired	04/04/2014
J024	PJ-SMA-17	09/26/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Rills and gullies forming on mesa top northeast and northwest of sampler location.	Facility repair	12/18/2013
J026	PJ-SMA-18	09/26/2013	Earthen channel/swale 9 is filled with sediment. Recommend building up rock check dam 6 with additional rock. Controls are operating effectively, repair recommended.	Facility repair	12/18/2013
J002	PJ-SMA-2	09/23/2013	Rock check dams 19, 20, and 21 are sedimented in. Controls are not operating effectively, replacement recommended.	Rock check dam repaired	04/07/2014
J004	PJ-SMA-4.05	09/23/2013	Earthen berm is breached on the east side. Control is operating effectively, repair recommended. Rock check dam 6 is sedimented in. Control is not operating effectively, replacement recommended.	Controls repaired	03/04/2014
J007	PJ-SMA-6	09/25/2013	There is rilling/erosion on western edge of earthen berm 9. There are bare areas in seed and wood mulch 17 from rain/flow. The eastern, downstream side of earthen berm 11 next to spillway is eroded away. Controls are operating effectively, repairs recommended.	Controls repaired	05/19/2014
J008	PJ-SMA-7	09/19/2013	Earthen berm 4 is breached. Control is not operating effectively, repair recommended.	Berm repaired	03/04/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
J010	PJ-SMA-9	09/19/2013	There has been an increase in erosion potential at the Site since the last inspection. Minor rilling observed, recommend monitoring. Rock check dam 6 is sedimented in. Control is not operating effectively, replacement recommended. Rock check dam 7 has a slight breach on the south edge. Control is operating effectively, repair recommended.	No repair required	n/a
T001	PRATT-SMA-1.05	09/24/2013	There has been an increase in erosion potential at the SMA since the last inspection. Earthen berm 2 is not operating effectively, repair recommended. Base course berms 13 and 15 and rock check dam 11 are operating effectively, modification recommended. Rock check dam 12 is not operating effectively, modification recommended.	Controls repaired	02/13/2014
P004	P-SMA-0.3	09/26/2013	Earthen berm 6 is breached in 2 locations. Control is not operating effectively, repair recommended. Culvert 3 approximately 3/4 filled with sediment. Control is operating effectively, no action recommended.	Berm replaced	05/08/2014
P005	P-SMA-1	09/19/2013	There has been an increase in erosion potential at the SMA since the last inspection. There is a rock slide east of sample and damage to the fence. Earthen berms 18 and 19 are eroded away on north sections. Controls are not operating effectively, repair recommended. Straw wattles 25, 33, 34, 35, 36, 37, and 39 are sedimented in and eroding under wattle. Controls are not operating effectively, replacement recommended. Straw wattle 38 is filled in with sediment. Control is operating effectively, replacement recommended.	Straw wattles 25, 33, 34, 35, and 38 were replaced. Earthen berm repair is pending.	08/06/2014. Remaining repairs scheduled for 2015.
P007	P-SMA-2.15	09/25/2013	Rock check dam 4 is sedimented in. Control is not operating effectively, repair recommended.	Rock check dam repaired	04/15/2014
P009	P-SMA-3.05	09/26/2013	Earthen berms 8 and 9 need to be built up, seeded, and matted. Controls are operating effectively, repair recommended.	Controls repaired	03/19/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
R002	R-SMA-1	09/23/2013	There has been an increase in erosion potential at the Site since the last inspection. Channel erosion, channel incision, and an increase in headcutting were observed. Recommend installing controls to arrest the headcut in the channel extending through C-00-041. Control options may include a one rock check dam upstream from the headcut, a rundown, and plunge pool. Rock check dam 5 is operating effectively and trapping sediment effectively; however, there is very little capacity left. Repair recommended to build up height. There is erosion on the north edge of gabion blanket 4. Control is not operating effectively, repair recommended.	Controls repaired	04/10/2014
S002	S-SMA-1.1	09/24/2013	There is rilling on backside of berm of sediment basin 13. Control is operating effectively; recommend adding base course to rills. Recommend follow-up inspection with engineer. Discharge from sealed riser pipe. Some head cutting below riprap -0019. Monitor for now.	Rills on berm forming sediment basin repaired by adding base course. Project engineer notified regarding riser pipe.	01/06/2014
S005	S-SMA-3.51	09/24/2013	Rock check dam 10 not operating effectively, rebuild recommended. Rock check dam 9 operating effectively, repair recommended to add angular rock.	Rock check dams repaired	02/19/2014
S005B	S-SMA-3.53	09/24/2013	There has been an increase in erosion potential at the SMA since the last inspection. Riprap 6 is operating effectively, repair recommended to reshape channel and extend riprap to culvert outlet.	Controls repaired	02/25/2014
S010	S-SMA-3.95	09/24/2013	There is evidence of floatable waste, floatable garbage, or debris within the SMA that could be discharged to receiving waters. Trash cleanup recommended.	Trash removed	02/11/2014
S011	S-SMA-4.1	09/24/2013	Seed and wood mulch 7 is not operating effectively, erosion is occurring on hill slope. Replacement recommended. There is erosion occurring under wattles 10 and 11. Controls are not operating effectively, repair recommended. Recommend addition additional rock to rock berm 8. Control measure is operating effectively.	Controls repaired	02/19/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
S013	S-SMA-5	09/24/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Earthen berm 6 is filled in with sediment and rock on spillway is missing. The majority of riprap 3 is missing, and established vegetation 7 has been scoured. Controls are not operating effectively, repair/replacement of BMPs recommended.	Repairs completed	03/18/2014
S014	S-SMA-5.2	09/24/2013	Erosion is occurring around rock check dam 12. Control is not operating effectively, modification recommended. Extension of rock check dam 8 to the east recommended. Control is operating effectively.	Repairs completed	03/27/2014
S016	S-SMA-6	09/26/2013	There has been an increase in erosion potential at the Site and SMA since the last inspection. Riprap 4 and rock check dams 5 and 7 have been blown out. Coir logs 10 and 11 have been washed away. Controls are not operating effectively, replacement recommended.	Repair pending. Per discussion with facility manager, coir logs still in place and buried in channel banks.	Rip rap and rock check dam 5 replaced 11/29/2014. Remaining repairs scheduled 2015
T002	T-SMA-1	09/25/2013	There is erosion above and between culverts 17 and 18. Controls are operating effectively, repair recommended.	Repairs completed	03/12/2014
T006	T-SMA-4	09/25/2013	Log berms 9 and 10 are damaged. Controls are not operating effectively, repair recommended. Sediment is filling in behind rock check dams 6, 7, and 8. Controls are operating effectively, replacement recommended.	Repairs completed	05/15/2014
T007	T-SMA-5	09/25/2013	Rock check dam 11 and rock berm 10 are operating effectively, modification recommended to add rock to build up.	Repairs completed	05/15/2014
T010	T-SMA-7.1	09/24/2013	There has been an increase in erosion potential at the Site since the last inspection. Base course berm 5 is not operating effectively, repair recommended.	Repairs completed	04/29/2014
W019	W-SMA-11.7	09/20/2013	There is a small breach in middle of earthen berm 45. Control is operating effectively, repair recommended. Most of the riprap 4 is sedimented in. Water flowed around east side of rock check dam 6. Controls are not operating effectively, repair recommended.	Repairs completed	05/21/2014
W013	W-SMA-9.05	09/25/2013	There has been an increase in erosion potential at the SMA since the last inspection. There is erosion on the back side of earthen berm 10. Control is operating effectively, repair recommended.	Repairs completed	03/25/2014

Table 4-5 (continued)

Permitted Feature	SMA	Inspection Date	Observations	Maintenance Performed	Maintenance Date
W017	W-SMA-9.9	09/20/2013	Earthen berm 19 is breached in center. Control is not operating effectively, repair recommended.	Repairs completed	03/18/2014

*n/a = Not applicable.

Table 6-1
Individual Permit
Rain Gage Network during 2014

Rain Gage	Number of SMAs
LANL Meteorology Towers	
RG-NCOM	3
RG-TA-06	23
RG-TA-53	11
RG-TA-54	6
LANL Seasonal Rain Gages	
RG038	34
RG055.5	16
RG121.9	22
RG200.5	23
RG203	12
RG240	5
RG245.5	19
RG253	9
RG257	29
RG262.4	14
RG265	4
RG267.4	5
RG340	15

Table 6-2
Summary of Post-Storm Inspections

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
05/22/2014	RG340	0.28	A007	A-SMA-3.5	05/28/2014	Yes
			A008	A-SMA-4	05/29/2014	Yes
			A009	A-SMA-6	05/29/2014	Yes
			Q001	CHQ-SMA-0.5	05/29/2014	Yes
			Q003	CHQ-SMA-2	05/29/2014	Yes
			Q005	CHQ-SMA-4	05/29/2014	Yes
			Q002	CHQ-SMA-1.01	05/29/2014	Yes
			Q002A	CHQ-SMA-1.02	05/29/2014	Yes
			Q002B	CHQ-SMA-1.03	05/29/2014	Yes
			Q004	CHQ-SMA-3.05	05/29/2014	Yes
			Q006	CHQ-SMA-4.1	05/28/2014	Yes
			Q007	CHQ-SMA-4.5	05/29/2014	Yes
			Q009	CHQ-SMA-6	05/29/2014	Yes
			Q010	CHQ-SMA-7.1	05/29/2014	Yes
			Q008	CHQ-SMA-5.05	05/29/2014	Yes
05/22/2014	RG-TA-54	0.35	C010	CDB-SMA-4	05/27/2014	Yes
			J023	PJ-SMA-16	05/27/2014	Yes
			J024	PJ-SMA-17	05/27/2014	Yes
			J025	PJ-SMA-19	05/27/2014	Yes
			J026	PJ-SMA-18	05/27/2014	Yes
			J027	PJ-SMA-20	05/27/2014	Yes
05/22/2014	RG203	0.25	M016	M-SMA-12.5	06/02/2014	Yes
			M017	M-SMA-12.6	06/02/2014	Yes
			M018	M-SMA-12.7	06/02/2014	Yes
			M019	M-SMA-12.8	06/02/2014	Yes
			M020	M-SMA-12.9	06/02/2014	Yes
			M021	M-SMA-12.92	06/02/2014	Yes
			M022	M-SMA-13	06/02/2014	Yes
			S007	S-SMA-3.7	05/27/2014	Yes
			S008	S-SMA-3.71	05/27/2014	Yes
			S009	S-SMA-3.72	05/27/2014	Yes
			S012	S-SMA-4.5	05/27/2014	Yes
			S010	S-SMA-3.95	05/27/2014	Yes
05/22/2014	RG265	0.31	A003	A-SMA-2.5	06/04/2014	Yes
			A004	A-SMA-2.7	06/04/2014	Yes
			A005	A-SMA-2.8	06/04/2014	Yes
			A006	A-SMA-3	06/04/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
05/23/2014	RG-NCOM	0.26	R004	R-SMA-2.05	06/03/2014	Yes
			R001	R-SMA-0.5	05/30/2014	Yes
			R002	R-SMA-1	05/30/2014	Yes
05/23/2014 05/25/2014	RG-TA-06	0.32 0.26	E002	2M-SMA-1.42	06/04/2014	Yes
			E003	2M-SMA-1.43	05/29/2014	Yes
			E004	2M-SMA-1.44	05/30/2014	Yes
			E005	2M-SMA-1.45	06/04/2014	Yes
			E006	2M-SMA-1.5	05/29/2014	Yes
			E007	2M-SMA-1.65	05/29/2014	Yes
			E008	2M-SMA-1.67	06/04/2014	Yes
			E009	2M-SMA-1.7	05/30/2014	Yes
			E010	2M-SMA-1.8	05/30/2014	Yes
			E015	2M-SMA-2.5	06/05/2014	Yes
			E014	2M-SMA-3	06/05/2014	Yes
			H001	3M-SMA-0.2	06/02/2014	Yes
			M003	M-SMA-3	05/30/2014	Yes
			M004	M-SMA-3.1	05/30/2014	Yes
			J012	PJ-SMA-10	05/29/2014	Yes
			J013	PJ-SMA-11	05/29/2014	Yes
			J014	PJ-SMA-11.1	05/29/2014	Yes
			J005	PJ-SMA-5	05/29/2014	Yes
			J006	PJ-SMA-5.1	05/29/2014	Yes
			J007	PJ-SMA-6	05/29/2014	Yes
			J008	PJ-SMA-7	05/29/2014	Yes
			J009	PJ-SMA-8	05/29/2014	Yes
			J010	PJ-SMA-9	05/29/2014	Yes
05/23/2014	RG257	0.25	V006	CDV-SMA-2	06/04/2014	Yes
			V007	CDV-SMA-2.3	06/03/2014	Yes
			V008	CDV-SMA-2.41	06/02/2014	Yes
			V009	CDV-SMA-2.5	06/02/2014	Yes
			V010	CDV-SMA-3	05/30/2014	Yes
			V011	CDV-SMA-4	05/30/2014	Yes
			V008A	CDV-SMA-2.42	06/02/2014	Yes
			V009A	CDV-SMA-2.51	06/02/2014	Yes
			V013	CDV-SMA-7	06/02/2014	Yes
			V012	CDV-SMA-6.01	05/30/2014	Yes
			V012A	CDV-SMA-6.02	05/30/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
05/23/2014	RG257	0.25	J004	PJ-SMA-4.05	05/29/2014	Yes
			J003	PJ-SMA-3.05	05/29/2014	Yes
			W013	W-SMA-9.05	05/28/2014	Yes
			W010	W-SMA-7.9	05/28/2014	Yes
			W011	W-SMA-8	05/28/2014	Yes
			W012	W-SMA-8.7	05/28/2014	Yes
			W014	W-SMA-9.5	05/30/2014	Yes
			W018	W-SMA-10	05/30/2014	Yes
			W004	W-SMA-3.5	05/28/2014	Yes
			W005	W-SMA-4.1	05/28/2014	Yes
			W006	W-SMA-5	05/28/2014	Yes
			W007	W-SMA-6	05/28/2014	Yes
			W008	W-SMA-7	05/28/2014	Yes
			W009	W-SMA-7.8	05/28/2014	Yes
			W012A	W-SMA-8.71	05/28/2014	Yes
			W015	W-SMA-9.7	05/30/2014	Yes
			W016	W-SMA-9.8	05/30/2014	Yes
			W017	W-SMA-9.9	05/30/2014	Yes
05/23/2014	RG262.4	0.3	H002	3M-SMA-0.4	06/04/2014	Yes
			H003	3M-SMA-0.5	05/29/2014	Yes
			V014	CDV-SMA-8	06/02/2014	Yes
			V015	CDV-SMA-8.5	06/02/2014	Yes
			V016	CDV-SMA-9.05	06/04/2014	Yes
			I001	PT-SMA-0.5	05/29/2014	Yes
			I002	PT-SMA-1	05/29/2014	Yes
			I003	PT-SMA-1.7	06/04/2014	Yes
			I004	PT-SMA-2	05/30/2014	Yes
			I004A	PT-SMA-2.01	05/30/2014	Yes
			W019	W-SMA-11.7	05/30/2014	Yes
			W021	W-SMA-14.1	06/04/2014	Yes
			W022	W-SMA-15.1	05/28/2014	Yes
			W020	W-SMA-12.05	05/28/2014	Yes
06/07/2014	RG-TA-54	0.3	C010	CDB-SMA-4	06/10/2014	Yes
			J023	PJ-SMA-16	06/12/2014	Yes
			J024	PJ-SMA-17	06/10/2014	Yes
			J025	PJ-SMA-19	06/10/2014	Yes
			J026	PJ-SMA-18	06/10/2014	Yes
			J027	PJ-SMA-20	06/10/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
06/07/2014	RG245.5	0.29	H004	3M-SMA-0.6	06/16/2014	Yes
			H005	3M-SMA-2.6	06/10/2014	Yes
			H006	3M-SMA-4	06/10/2014	Yes
			C004	CDB-SMA-1	06/12/2014	Yes
			C002	CDB-SMA-0.25	06/12/2014	Yes
			C003	CDB-SMA-0.55	06/12/2014	Yes
			C005	CDB-SMA-1.15	06/12/2014	Yes
			C006	CDB-SMA-1.35	06/10/2014	Yes
			C008	CDB-SMA-1.55	06/12/2014	Yes
			C009	CDB-SMA-1.65	06/12/2014	Yes
			C007	CDB-SMA-1.54	06/10/2014	Yes
			J015	PJ-SMA-13	06/10/2014	Yes
			J016	PJ-SMA-13.7	06/12/2014	Yes
			J017	PJ-SMA-14	06/10/2014	Yes
			J018	PJ-SMA-14.2	06/12/2014	Yes
			J019	PJ-SMA-14.3	06/12/2014	Yes
			J020	PJ-SMA-14.4	06/12/2014	Yes
			J021	PJ-SMA-14.6	06/12/2014	Yes
			J022	PJ-SMA-14.8	06/12/2014	Yes
06/07/2014	RG262.4	0.37	H002	3M-SMA-0.4	06/16/2014	Yes
			H003	3M-SMA-0.5	06/16/2014	Yes
			V014	CDV-SMA-8	06/16/2014	Yes
			V015	CDV-SMA-8.5	06/16/2014	Yes
			V016	CDV-SMA-9.05	06/17/2014	Yes
			I001	PT-SMA-0.5	06/16/2014	Yes
			I002	PT-SMA-1	06/16/2014	Yes
			I003	PT-SMA-1.7	06/17/2014	Yes
			I004	PT-SMA-2	06/16/2014	Yes
			I004A	PT-SMA-2.01	06/16/2014	Yes
			W019	W-SMA-11.7	06/17/2014	Yes
			W021	W-SMA-14.1	06/17/2014	Yes
			W022	W-SMA-15.1	06/10/2014	Yes
			W020	W-SMA-12.05	06/10/2014	Yes
06/07/2014 06/13/2014	RG265	0.27 0.32	A003	A-SMA-2.5	06/16/2014	Yes
			A004	A-SMA-2.7	06/16/2014	Yes
			A005	A-SMA-2.8	06/16/2014	Yes
			A006	A-SMA-3	06/16/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
06/21/2014	RG245.5	0.38	H004	3M-SMA-0.6	06/30/2014	Yes
			H005	3M-SMA-2.6	06/30/2014	Yes
			H006	3M-SMA-4	06/30/2014	Yes
			C004	CDB-SMA-1	07/01/2014	Yes
			C002	CDB-SMA-0.25	07/01/2014	Yes
			C003	CDB-SMA-0.55	07/01/2014	Yes
			C005	CDB-SMA-1.15	07/01/2014	Yes
			C006	CDB-SMA-1.35	07/01/2014	Yes
			C008	CDB-SMA-1.55	07/01/2014	Yes
			C009	CDB-SMA-1.65	07/01/2014	Yes
			C007	CDB-SMA-1.54	07/01/2014	Yes
			J015	PJ-SMA-13	07/01/2014	Yes
			J016	PJ-SMA-13.7	07/01/2014	Yes
			J017	PJ-SMA-14	07/02/2014	Yes
			J018	PJ-SMA-14.2	07/01/2014	Yes
			J019	PJ-SMA-14.3	07/02/2014	Yes
			J020	PJ-SMA-14.4	07/02/2014	Yes
			J021	PJ-SMA-14.6	07/02/2014	Yes
			J022	PJ-SMA-14.8	07/02/2014	Yes
06/21/2014	RG262.4	0.46	H002	3M-SMA-0.4	06/30/2014	Yes
			H003	3M-SMA-0.5	06/30/2014	Yes
			V014	CDV-SMA-8	06/30/2014	Yes
			V015	CDV-SMA-8.5	06/30/2014	Yes
			V016	CDV-SMA-9.05	06/26/2014	Yes
			I001	PT-SMA-0.5	06/30/2014	Yes
			I002	PT-SMA-1	06/30/2014	Yes
			I003	PT-SMA-1.7	06/26/2014	Yes
			I004	PT-SMA-2	06/26/2014	Yes
			I004A	PT-SMA-2.01	06/26/2014	Yes
			W019	W-SMA-11.7	06/25/2014	Yes
			W021	W-SMA-14.1	06/26/2014	Yes
			W022	W-SMA-15.1	06/25/2014	Yes
			W020	W-SMA-12.05	06/25/2014	Yes
06/21/2014	RG267.4	0.42	A001	A-SMA-1.1	06/25/2014	Yes
			A002	A-SMA-2	06/26/2014	Yes
			F001	F-SMA-2	06/26/2014	Yes
			I005	PT-SMA-3	06/26/2014	Yes
			I007	PT-SMA-4.2	06/26/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
06/21/2014	RG340	0.31	A007	A-SMA-3.5	06/26/2014	Yes
			A008	A-SMA-4	06/30/2014	Yes
			A009	A-SMA-6	06/26/2014	Yes
			Q001	CHQ-SMA-0.5	06/26/2014	Yes
			Q003	CHQ-SMA-2	06/30/2014	Yes
			Q005	CHQ-SMA-4	06/26/2014	Yes
			Q002	CHQ-SMA-1.01	06/30/2014	Yes
			Q002A	CHQ-SMA-1.02	06/30/2014	Yes
			Q002B	CHQ-SMA-1.03	06/30/2014	Yes
			Q004	CHQ-SMA-3.05	06/30/2014	Yes
			Q006	CHQ-SMA-4.1	06/30/2014	Yes
			Q007	CHQ-SMA-4.5	06/26/2014	Yes
			Q009	CHQ-SMA-6	06/30/2014	Yes
			Q010	CHQ-SMA-7.1	06/26/2014	Yes
			Q008	CHQ-SMA-5.05	06/30/2014	Yes
06/21/2014	RG-TA-06	0.39	E002	2M-SMA-1.42	06/26/2014	Yes
			E003	2M-SMA-1.43	06/26/2014	Yes
			E004	2M-SMA-1.44	06/26/2014	Yes
			E005	2M-SMA-1.45	06/26/2014	Yes
			E006	2M-SMA-1.5	06/26/2014	Yes
			E007	2M-SMA-1.65	06/30/2014	Yes
			E008	2M-SMA-1.67	06/26/2014	Yes
			E009	2M-SMA-1.7	06/30/2014	Yes
			E010	2M-SMA-1.8	06/30/2014	Yes
			E015	2M-SMA-2.5	06/30/2014	Yes
			E014	2M-SMA-3	06/26/2014	Yes
			H001	3M-SMA-0.2	06/30/2014	Yes
			M003	M-SMA-3	07/01/2014	Yes
			M004	M-SMA-3.1	07/01/2014	Yes
			J012	PJ-SMA-10	06/30/2014	Yes
			J013	PJ-SMA-11	06/26/2014	Yes
			J014	PJ-SMA-11.1	06/26/2014	Yes
			J005	PJ-SMA-5	06/30/2014	Yes
			J006	PJ-SMA-5.1	06/30/2014	Yes
			J007	PJ-SMA-6	06/30/2014	Yes
			J008	PJ-SMA-7	06/30/2014	Yes
			J009	PJ-SMA-8	06/30/2014	Yes
			J010	PJ-SMA-9	06/30/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/02/2014 07/08/2014	RG-TA-54	0.59 0.72	C010	CDB-SMA-4	07/15/2014	Yes
			J023	PJ-SMA-16	07/15/2014	Yes
			J024	PJ-SMA-17	07/15/2014	Yes
			J025	PJ-SMA-19	07/15/2014	Yes
			J026	PJ-SMA-18	07/15/2014	Yes
			J027	PJ-SMA-20	07/15/2014	Yes
07/02/2014 07/08/2014 07/15/2014	RG203	0.25 0.35 0.67	M016	M-SMA-12.5	07/17/2014	Yes
			M017	M-SMA-12.6	07/17/2014	Yes
			M018	M-SMA-12.7	07/17/2014	Yes
			M019	M-SMA-12.8	07/17/2014	Yes
			M020	M-SMA-12.9	07/17/2014	Yes
			M021	M-SMA-12.92	07/17/2014	Yes
			M022	M-SMA-13	07/17/2014	Yes
			S007	S-SMA-3.7	07/15/2014	Yes
			S008	S-SMA-3.71	07/15/2014	Yes
			S009	S-SMA-3.72	07/15/2014	Yes
			S012	S-SMA-4.5	07/15/2014	Yes
			S010	S-SMA-3.95	07/15/2014	Yes
07/02/2014 07/08/2014 07/15/2014	RG245.5	0.32 0.43 0.65	H004	3M-SMA-0.6	07/16/2014	Yes
			H005	3M-SMA-2.6	07/15/2014	Yes
			H006	3M-SMA-4	07/15/2014	Yes
			C004	CDB-SMA-1	07/14/2014	Yes
			C002	CDB-SMA-0.25	07/14/2014	Yes
			C003	CDB-SMA-0.55	07/14/2014	Yes
			C005	CDB-SMA-1.15	07/14/2014	Yes
			C006	CDB-SMA-1.35	07/14/2014	Yes
			C008	CDB-SMA-1.55	07/14/2014	Yes
			C009	CDB-SMA-1.65	07/14/2014	Yes
			C007	CDB-SMA-1.54	07/14/2014	Yes
			J015	PJ-SMA-13	07/14/2014	Yes
			J016	PJ-SMA-13.7	07/14/2014	Yes
			J017	PJ-SMA-14	07/14/2014	Yes
			J018	PJ-SMA-14.2	07/14/2014	Yes
			J019	PJ-SMA-14.3	07/14/2014	Yes
			J020	PJ-SMA-14.4	07/14/2014	Yes
			J021	PJ-SMA-14.6	07/14/2014	Yes
			J022	PJ-SMA-14.8	07/14/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/02/2014 07/08/2014	RG265	0.36 0.52	A003	A-SMA-2.5	07/07/2014	Yes
			A004	A-SMA-2.7	07/07/2014	Yes
			A005	A-SMA-2.8	07/07/2014	Yes
			A006	A-SMA-3	07/16/2014	Yes
07/02/2014 07/07/2014 07/08/2014 07/15/2014	RG267.4	0.33 0.33 0.52 0.66	A001	A-SMA-1.1	07/07/2014	Yes
			A002	A-SMA-2	07/16/2014	Yes
			F001	F-SMA-2	07/16/2014	Yes
			I005	PT-SMA-3	07/16/2014	Yes
			I007	PT-SMA-4.2	07/17/2014	Yes
07/02/2014	RG340	0.29	A007	A-SMA-3.5	07/14/2014	Yes
			A008	A-SMA-4	07/14/2014	Yes
			A009	A-SMA-6	07/14/2014	Yes
			Q001	CHQ-SMA-0.5	07/14/2014	Yes
			Q003	CHQ-SMA-2	07/14/2014	Yes
			Q005	CHQ-SMA-4	07/14/2014	Yes
			Q002	CHQ-SMA-1.01	07/14/2014	Yes
			Q002A	CHQ-SMA-1.02	07/14/2014	Yes
			Q002B	CHQ-SMA-1.03	07/14/2014	Yes
			Q004	CHQ-SMA-3.05	07/14/2014	Yes
			Q006	CHQ-SMA-4.1	07/14/2014	Yes
			Q007	CHQ-SMA-4.5	07/14/2014	Yes
			Q009	CHQ-SMA-6	07/14/2014	Yes
			Q010	CHQ-SMA-7.1	07/14/2014	Yes
			Q008	CHQ-SMA-5.05	07/14/2014	Yes
07/07/2014 07/08/2014 07/15/2014	RG-NCOM	0.48 0.43 0.30	R004	R-SMA-2.05	07/16/2014	Yes
			R001	R-SMA-0.5	07/15/2014	Yes
			R002	R-SMA-1	07/15/2014	Yes
07/07/2014 07/08/2014 07/15/2014	RG-TA-06	1.37 1.12 0.40	E002	2M-SMA-1.42	07/14/2014	Yes
			E003	2M-SMA-1.43	07/14/2014	Yes
			E004	2M-SMA-1.44	07/18/2014	Yes
			E005	2M-SMA-1.45	07/14/2014	Yes
			E006	2M-SMA-1.5	07/17/2014	Yes
			E007	2M-SMA-1.65	07/15/2014	Yes
			E008	2M-SMA-1.67	07/14/2014	Yes
			E009	2M-SMA-1.7	07/15/2014	Yes
			E010	2M-SMA-1.8	07/15/2014	Yes
			E015	2M-SMA-2.5	07/14/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/07/2014 07/08/2014 07/15/2014	RG-TA-06	1.37 1.12 0.40	E014	2M-SMA-3	07/15/2014	Yes
			H001	3M-SMA-0.2	07/21/2014	Yes
			M003	M-SMA-3	07/21/2014	Yes
			M004	M-SMA-3.1	07/21/2014	Yes
			J012	PJ-SMA-10	07/14/2014	Yes
			J013	PJ-SMA-11	07/14/2014	Yes
			J014	PJ-SMA-11.1	07/14/2014	Yes
			J005	PJ-SMA-5	07/14/2014	Yes
			J006	PJ-SMA-5.1	07/14/2014	Yes
			J007	PJ-SMA-6	07/15/2014	Yes
			J008	PJ-SMA-7	07/18/2014	Yes
			J009	PJ-SMA-8	07/15/2014	Yes
			J010	PJ-SMA-9	07/15/2014	Yes
07/07/2014 07/08/2014 07/15/2014	RG121.9	1.17 0.89 0.39	E011	2M-SMA-1.9	07/21/2014	Yes
			E012	2M-SMA-2	07/21/2014	Yes
			E013	2M-SMA-2.2	07/21/2014	Yes
			L002	LA-SMA-0.9	07/17/2014	Yes
			L003	LA-SMA-1	07/17/2014	Yes
			L001	LA-SMA-0.85	07/17/2014	Yes
			L004	LA-SMA-1.1	07/17/2014	Yes
			L005	LA-SMA-1.25	07/17/2014	Yes
			M001	M-SMA-1	07/21/2014	Yes
			M002	M-SMA-1.2	07/17/2014	Yes
			M002A	M-SMA-1.21	07/17/2014	Yes
			M002B	M-SMA-1.22	07/17/2014	Yes
			E001	2M-SMA-1	07/21/2014	Yes
			S001	S-SMA-0.25	07/18/2014	Yes
			S002	S-SMA-1.1	07/15/2014	Yes
			S003	S-SMA-2	07/15/2014	Yes
			S004	S-SMA-2.8	07/15/2014	Yes
			S006	S-SMA-3.6	07/18/2014	Yes
			S005	S-SMA-3.51	07/18/2014	Yes
			S005A	S-SMA-3.52	07/17/2014	Yes
			S005B	S-SMA-3.53	07/18/2014	Yes
			S003A	S-SMA-2.01	07/18/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/07/2014 07/08/2014 07/15/2014	RG055.5	0.34 0.70 0.63	P009	P-SMA-3.05	07/15/2014	Yes
			L014	LA-SMA-5.35	07/17/2014	Yes
			P002A	ACID-SMA-2.01	07/15/2014	Yes
			P001	ACID-SMA-1.05	07/15/2014	Yes
			B002	B-SMA-1	07/15/2014	Yes
			P002	ACID-SMA-2	07/16/2014	Yes
			P003	ACID-SMA-2.1	07/16/2014	Yes
			L007	LA-SMA-2.3	07/18/2014	Yes
			L008	LA-SMA-3.1	07/18/2014	Yes
			L009	LA-SMA-3.9	07/18/2014	Yes
			L010	LA-SMA-4.1	07/18/2014	Yes
			L011	LA-SMA-4.2	07/18/2014	Yes
			L006	LA-SMA-2.1	07/18/2014	Yes
			L013	LA-SMA-5.2	07/17/2014	Yes
			L012	LA-SMA-5.01	07/18/2014	Yes
			L012A	LA-SMA-5.02	07/18/2014	Yes
07/07/2014 07/10/2014	RG240	0.39 0.34	J001	PJ-SMA-1.05	07/14/2014	Yes
			J028	STRM-SMA-1.05	07/14/2014	Yes
			J029	STRM-SMA-1.5	07/14/2014	Yes
			J030	STRM-SMA-4.2	07/14/2014	Yes
			J031	STRM-SMA-5.05	07/14/2014	Yes
07/07/2014 07/08/2014	RG257	0.48 0.98	V006	CDV-SMA-2	07/18/2014	Yes
			V007	CDV-SMA-2.3	07/16/2014	Yes
			V008	CDV-SMA-2.41	07/16/2014	Yes
			V009	CDV-SMA-2.5	07/17/2014	Yes
			V010	CDV-SMA-3	07/21/2014	Yes
			V011	CDV-SMA-4	07/21/2014	Yes
			V008A	CDV-SMA-2.42	07/16/2014	Yes
			V009A	CDV-SMA-2.51	07/16/2014	Yes
			V013	CDV-SMA-7	07/21/2014	Yes
			V012	CDV-SMA-6.01	07/21/2014	Yes
			V012A	CDV-SMA-6.02	07/21/2014	Yes
			J004	PJ-SMA-4.05	07/14/2014	Yes
			J003	PJ-SMA-3.05	07/14/2014	Yes
			W013	W-SMA-9.05	07/18/2014	Yes
			W010	W-SMA-7.9	07/18/2014	Yes
			W011	W-SMA-8	07/18/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/07/2014 07/08/2014	RG257	0.48 0.98	W012	W-SMA-8.7	07/18/2014	Yes
			W014	W-SMA-9.5	07/17/2014	Yes
			W018	W-SMA-10	07/17/2014	Yes
			W004	W-SMA-3.5	07/17/2014	Yes
			W005	W-SMA-4.1	07/17/2014	Yes
			W006	W-SMA-5	07/17/2014	Yes
			W007	W-SMA-6	07/17/2014	Yes
			W008	W-SMA-7	07/17/2014	Yes
			W009	W-SMA-7.8	07/17/2014	Yes
			W012A	W-SMA-8.71	07/17/2014	Yes
			W015	W-SMA-9.7	07/17/2014	Yes
			W016	W-SMA-9.8	07/17/2014	Yes
			W017	W-SMA-9.9	07/17/2014	Yes
07/07/2014 07/08/2014 07/15/2014	RG267.4	0.33 0.52 0.66	A001	A-SMA-1.1	07/16/2014	Yes
07/08/2014 07/15/2014	RG-TA-53	0.38 0.61	L030	LA-SMA-10.11	07/17/2014	Yes
			L030A	LA-SMA-10.12	07/17/2014	Yes
			B001	B-SMA-0.5	07/15/2014	Yes
			D008	DP-SMA-4	07/15/2014	Yes
			L029	LA-SMA-9	07/21/2014	Yes
			P004	P-SMA-0.3	07/21/2014	Yes
			S011	S-SMA-4.1	07/21/2014	Yes
			S013	S-SMA-5	07/22/2014	Yes
			S014	S-SMA-5.2	07/21/2014	Yes
			S015	S-SMA-5.5	07/22/2014	Yes
			S016	S-SMA-6	07/23/2014	Yes
07/08/2014 07/15/2014	RG200.5	0.26 0.59	C001	CDB-SMA-0.15	07/22/2014	Yes
			M012	M-SMA-10	07/22/2014	Yes
			M013	M-SMA-10.3	07/22/2014	Yes
			M014	M-SMA-11.1	07/22/2014	Yes
			M015	M-SMA-12	07/22/2014	Yes
			M012A	M-SMA-10.01	07/22/2014	Yes
			M005	M-SMA-3.5	07/21/2014	Yes
			M006	M-SMA-4	07/21/2014	Yes
			M007	M-SMA-5	07/22/2014	Yes
			M008	M-SMA-6	07/22/2014	Yes
			M009	M-SMA-7	07/23/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/08/2014 07/15/2014	RG200.5	0.26 0.59	M010	M-SMA-7.9	07/22/2014	Yes
			M011	M-SMA-9.1	07/22/2014	Yes
			T002	T-SMA-1	07/22/2014	Yes
			T003	T-SMA-2.5	07/22/2014	Yes
			T005	T-SMA-3	07/22/2014	Yes
			T006	T-SMA-4	07/22/2014	Yes
			T007	T-SMA-5	07/22/2014	Yes
			T008	T-SMA-6.8	07/22/2014	Yes
			T009	T-SMA-7	07/22/2014	Yes
			T010	T-SMA-7.1	07/22/2014	Yes
			T004	T-SMA-2.85	07/22/2014	Yes
			T001	PRATT-SMA-1.05	07/22/2014	Yes
07/08/2014 07/15/2014	RG262.4	0.55 0.54	H002	3M-SMA-0.4	07/22/2014	Yes
			H003	3M-SMA-0.5	07/16/2014	Yes
			V014	CDV-SMA-8	07/21/2014	Yes
			V015	CDV-SMA-8.5	07/21/2014	Yes
			V016	CDV-SMA-9.05	07/10/2014	Yes
			I001	PT-SMA-0.5	07/10/2014	Yes
			I002	PT-SMA-1	07/10/2014	Yes
			I003	PT-SMA-1.7	07/10/2014	Yes
			I004	PT-SMA-2	07/22/2014	Yes
			I004A	PT-SMA-2.01	07/22/2014	Yes
			W019	W-SMA-11.7	07/17/2014	Yes
			W021	W-SMA-14.1	07/10/2014	Yes
			W022	W-SMA-15.1	07/17/2014	Yes
			W020	W-SMA-12.05	07/17/2014	Yes
07/08/2014	RG265	0.52	A003	A-SMA-2.5	07/18/2014	Yes
			A004	A-SMA-2.7	07/18/2014	Yes
			A005	A-SMA-2.8	07/17/2014	Yes
07/15/2014	RG-NCOM	0.3	R001	R-SMA-0.5	07/23/2014	Yes
			R002	R-SMA-1	07/23/2014	Yes
07/15/2014	RG-TA-06	0.4	E002	2M-SMA-1.42	07/24/2014	Yes
			E003	2M-SMA-1.43	07/24/2014	Yes
			E005	2M-SMA-1.45	07/24/2014	Yes
			E007	2M-SMA-1.65	07/28/2014	Yes
			E008	2M-SMA-1.67	07/24/2014	Yes
			E009	2M-SMA-1.7	07/28/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/15/2014	RG-TA-06	0.4	E010	2M-SMA-1.8	07/28/2014	Yes
			E015	2M-SMA-2.5	07/28/2014	Yes
			E014	2M-SMA-3	07/28/2014	Yes
			J012	PJ-SMA-10	07/28/2014	Yes
			J013	PJ-SMA-11	07/28/2014	Yes
			J014	PJ-SMA-11.1	07/28/2014	Yes
			J005	PJ-SMA-5	07/28/2014	Yes
			J006	PJ-SMA-5.1	07/28/2014	Yes
			J007	PJ-SMA-6	07/28/2014	Yes
			J009	PJ-SMA-8	07/28/2014	Yes
			J010	PJ-SMA-9	07/28/2014	Yes
07/15/2014	RG-TA-53	0.61	B001	B-SMA-0.5	07/22/2014	Yes
			D008	DP-SMA-4	07/22/2014	Yes
07/15/2014	RG038	0.68	D006	DP-SMA-2.35	07/23/2014	Yes
			L018	LA-SMA-5.51	07/28/2014	Yes
			L018A	LA-SMA-5.52	07/28/2014	Yes
			L018B	LA-SMA-5.53	07/28/2014	Yes
			L018C	LA-SMA-5.54	07/30/2014	Yes
			L017	LA-SMA-5.361	07/28/2014	Yes
			L017A	LA-SMA-5.362	07/28/2014	Yes
			D001	DP-SMA-0.3	07/22/2014	Yes
			D002	DP-SMA-0.4	07/22/2014	Yes
			D003	DP-SMA-0.6	07/22/2014	Yes
			D004	DP-SMA-1	07/22/2014	Yes
			D005	DP-SMA-2	07/22/2014	Yes
			D007	DP-SMA-3	07/22/2014	Yes
			L015	LA-SMA-5.31	07/28/2014	Yes
			L016	LA-SMA-5.33	07/28/2014	Yes
			L020	LA-SMA-6.25	07/30/2014	Yes
			L021	LA-SMA-6.27	07/28/2014	Yes
			L022	LA-SMA-6.3	07/30/2014	Yes
			L023	LA-SMA-6.32	07/28/2014	Yes
			L024	LA-SMA-6.34	07/30/2014	Yes
			L025	LA-SMA-6.36	07/28/2014	Yes
			L022A	LA-SMA-6.31	07/28/2014	Yes
			L019	LA-SMA-5.91	07/30/2014	Yes
			L019A	LA-SMA-5.92	07/30/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/15/2014	RG038	0.68	L026	LA-SMA-6.38	07/28/2014	Yes
			L028	LA-SMA-6.5	07/28/2014	Yes
			L027	LA-SMA-6.395	07/28/2014	Yes
			P005	P-SMA-1	07/22/2014	Yes
			P006	P-SMA-2	07/22/2014	Yes
			P007	P-SMA-2.15	07/22/2014	Yes
			P008	P-SMA-2.2	07/22/2014	Yes
			R005	R-SMA-2.3	07/28/2014	Yes
			R006	R-SMA-2.5	07/23/2014	Yes
			R003	R-SMA-1.95	07/28/2014	Yes
07/15/2014	RG055.5	0.63	P009	P-SMA-3.05	07/22/2014	Yes
			P002A	ACID-SMA-2.01	07/23/2014	Yes
			P001	ACID-SMA-1.05	07/23/2014	Yes
			B002	B-SMA-1	07/22/2014	Yes
07/15/2014	RG121.9	0.39	S002	S-SMA-1.1	07/23/2014	Yes
			S003	S-SMA-2	07/24/2014	Yes
			S004	S-SMA-2.8	07/24/2014	Yes
07/15/2014	RG203	0.67	S007	S-SMA-3.7	07/23/2014	Yes
			S008	S-SMA-3.71	07/23/2014	Yes
			S009	S-SMA-3.72	07/23/2014	Yes
			S012	S-SMA-4.5	07/23/2014	Yes
			S010	S-SMA-3.95	07/23/2014	Yes
07/15/2014 07/27/2014	RG245.5	0.65 0.4	H005	3M-SMA-2.6	07/24/2014	Yes
			H006	3M-SMA-4	07/24/2014	Yes
			C004	CDB-SMA-1	07/29/2014	Yes
			C002	CDB-SMA-0.25	07/29/2014	Yes
			C003	CDB-SMA-0.55	07/29/2014	Yes
			C005	CDB-SMA-1.15	07/29/2014	Yes
			C006	CDB-SMA-1.35	07/28/2014	Yes
			C008	CDB-SMA-1.55	07/29/2014	Yes
			C009	CDB-SMA-1.65	07/29/2014	Yes
			C007	CDB-SMA-1.54	07/29/2014	Yes
			J015	PJ-SMA-13	07/24/2014	Yes
			J016	PJ-SMA-13.7	07/24/2014	Yes
			J017	PJ-SMA-14	07/24/2014	Yes
			J018	PJ-SMA-14.2	07/24/2014	Yes
			J019	PJ-SMA-14.3	07/24/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/15/2014 07/27/2014	RG245.5	0.65 0.4	J020	PJ-SMA-14.4	07/24/2014	Yes
			J021	PJ-SMA-14.6	07/24/2014	Yes
			J022	PJ-SMA-14.8	07/24/2014	Yes
07/15/2014	RG262.4	0.54	V016	CDV-SMA-9.05	07/28/2014	Yes
			I001	PT-SMA-0.5	07/28/2014	Yes
			I002	PT-SMA-1	07/28/2014	Yes
			I003	PT-SMA-1.7	07/28/2014	Yes
			W021	W-SMA-14.1	07/28/2014	Yes
07/19/2014	RG-TA-06	0.3	E004	2M-SMA-1.44	07/24/2014	Yes
			E006	2M-SMA-1.5	07/24/2014	Yes
			J008	PJ-SMA-7	07/30/2014	Yes
07/19/2014 07/29/2014	RG240	0.270.77	J001	PJ-SMA-1.05	07/30/2014	Yes
			J028	STRM-SMA-1.05	07/30/2014	Yes
			J029	STRM-SMA-1.5	07/30/2014	Yes
			J030	STRM-SMA-4.2	07/30/2014	Yes
			J031	STRM-SMA-5.05	07/30/2014	Yes
07/19/2014	RG253	0.46	J002	PJ-SMA-2	07/30/2014	Yes
			V001	CDV-SMA-1.2	07/29/2014	Yes
			V002	CDV-SMA-1.3	07/29/2014	Yes
			V003	CDV-SMA-1.4	07/29/2014	Yes
			V004	CDV-SMA-1.45	07/29/2014	Yes
			V005	CDV-SMA-1.7	08/01/2014	Yes
			W001	W-SMA-1	07/31/2014	Yes
			W002	W-SMA-1.5	07/31/2014	Yes
			W003	W-SMA-2.05	07/31/2014	Yes
07/19/2014 07/31/2014	RG257	0.25 0.69	V006	CDV-SMA-2	08/01/2014	Yes
			V007	CDV-SMA-2.3	07/28/2014	Yes
			V008	CDV-SMA-2.41	07/28/2014	Yes
			V009	CDV-SMA-2.5	07/31/2014	Yes
			V008A	CDV-SMA-2.42	07/28/2014	Yes
			V009A	CDV-SMA-2.51	07/28/2014	Yes
			J004	PJ-SMA-4.05	07/30/2014	Yes
			J003	PJ-SMA-3.05	07/30/2014	Yes
			W013	W-SMA-9.05	07/28/2014	Yes
			W010	W-SMA-7.9	07/28/2014	Yes
			W011	W-SMA-8	07/28/2014	Yes
			W012	W-SMA-8.7	07/28/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/19/2014 07/31/2014	RG257	0.25 0.69	W014	W-SMA-9.5	07/31/2014	Yes
			W018	W-SMA-10	07/31/2014	Yes
			W004	W-SMA-3.5	07/23/2014	Yes
			W005	W-SMA-4.1	07/28/2014	Yes
			W006	W-SMA-5	07/28/2014	Yes
			W007	W-SMA-6	07/28/2014	Yes
			W008	W-SMA-7	07/28/2014	Yes
			W009	W-SMA-7.8	07/28/2014	Yes
			W012A	W-SMA-8.71	07/28/2014	Yes
			W015	W-SMA-9.7	07/31/2014	Yes
			W016	W-SMA-9.8	07/31/2014	Yes
			W017	W-SMA-9.9	07/31/2014	Yes
07/19/2014 07/23/2014 07/29/2014	RG265	0.31 0.29 0.39	A003	A-SMA-2.5	07/30/2014	Yes
			A004	A-SMA-2.7	07/30/2014	Yes
			A005	A-SMA-2.8	07/30/2014	Yes
			A006	A-SMA-3	07/30/2014	Yes
07/19/2014 07/27/2014 07/31/2014	RG267.4	0.26 0.33 0.48	A001	A-SMA-1.1	07/30/2014	Yes
			A002	A-SMA-2	07/30/2014	Yes
			F001	F-SMA-2	08/01/2014	Yes
			I005	PT-SMA-3	08/01/2014	Yes
			I007	PT-SMA-4.2	07/30/2014	Yes
07/23/2014 07/29/2014	RG340	0.81 0.42	A007	A-SMA-3.5	08/06/2014	Yes
			A008	A-SMA-4	07/30/2014	Yes
			A009	A-SMA-6	08/06/2014	Yes
			Q001	CHQ-SMA-0.5	08/06/2014	Yes
			Q003	CHQ-SMA-2	08/06/2014	Yes
			Q005	CHQ-SMA-4	08/05/2014	Yes
			Q002	CHQ-SMA-1.01	08/06/2014	Yes
			Q002A	CHQ-SMA-1.02	08/06/2014	Yes
			Q002B	CHQ-SMA-1.03	08/06/2014	Yes
			Q004	CHQ-SMA-3.05	08/06/2014	Yes
			Q006	CHQ-SMA-4.1	08/06/2014	Yes
			Q007	CHQ-SMA-4.5	08/05/2014	Yes
			Q009	CHQ-SMA-6	08/06/2014	Yes
			Q010	CHQ-SMA-7.1	08/06/2014	Yes
			Q008	CHQ-SMA-5.05	08/06/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/26/2014 07/31/2014	RG-NCOM	0.38 0.36	R004	R-SMA-2.05	08/05/2014	Yes
			R001	R-SMA-0.5	08/05/2014	Yes
			R002	R-SMA-1	08/05/2014	Yes
07/27/2014 07/31/2014 08/04/2014	RG-TA-06	0.34 0.92 0.33	E002	2M-SMA-1.42	08/07/2014	Yes
			E003	2M-SMA-1.43	08/08/2014	Yes
			E004	2M-SMA-1.44	08/07/2014	Yes
			E005	2M-SMA-1.45	08/07/2014	Yes
			E006	2M-SMA-1.5	08/08/2014	Yes
			E008	2M-SMA-1.67	08/07/2014	Yes
			H001	3M-SMA-0.2	08/08/2014	Yes
			M003	M-SMA-3	08/06/2014	Yes
			M004	M-SMA-3.1	08/06/2014	Yes
07/27/2014 07/29/2014 07/31/2014 08/04/2014	RG055.5	0.39 0.62 0.84 0.29	P009	P-SMA-3.05	08/06/2014	Yes
			L014	LA-SMA-5.35	08/05/2014	Yes
			P002A	ACID-SMA-2.01	08/05/2014	Yes
			P001	ACID-SMA-1.05	08/04/2014	Yes
			B002	B-SMA-1	08/07/2014	Yes
			P002	ACID-SMA-2	08/05/2014	Yes
			P003	ACID-SMA-2.1	08/05/2014	Yes
			L007	LA-SMA-2.3	08/07/2014	Yes
			L008	LA-SMA-3.1	08/07/2014	Yes
			L009	LA-SMA-3.9	08/07/2014	Yes
			L010	LA-SMA-4.1	08/07/2014	Yes
			L011	LA-SMA-4.2	08/07/2014	Yes
			L006	LA-SMA-2.1	08/07/2014	Yes
			L013	LA-SMA-5.2	08/07/2014	Yes
			L012	LA-SMA-5.01	08/07/2014	Yes
			L012A	LA-SMA-5.02	08/07/2014	Yes
07/27/2014	RG245.5	0.4	H004	3M-SMA-0.6	08/07/2014	Yes
			H005	3M-SMA-2.6	08/07/2014	Yes
			H006	3M-SMA-4	08/07/2014	Yes
			J015	PJ-SMA-13	08/07/2014	Yes
			J016	PJ-SMA-13.7	08/07/2014	Yes
			J017	PJ-SMA-14	08/07/2014	Yes
			J018	PJ-SMA-14.2	08/07/2014	Yes
			J019	PJ-SMA-14.3	08/07/2014	Yes
			J020	PJ-SMA-14.4	08/07/2014	Yes
			J021	PJ-SMA-14.6	08/07/2014	Yes
			J022	PJ-SMA-14.8	08/07/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/27/2014 07/29/2014 07/31/2014	RG262.4	0.42 0.3 0.76	H002	3M-SMA-0.4	08/07/2014	Yes
			H003	3M-SMA-0.5	08/07/2014	Yes
			V014	CDV-SMA-8	08/08/2014	Yes
			V015	CDV-SMA-8.5	08/08/2014	Yes
			I004	PT-SMA-2	08/07/2014	Yes
			I004A	PT-SMA-2.01	08/07/2014	Yes
			W019	W-SMA-11.7	08/08/2014	Yes
			W022	W-SMA-15.1	08/07/2014	Yes
			W020	W-SMA-12.05	08/07/2014	Yes
07/29/2014 07/31/2014	RG038	0.29 0.71	D006	DP-SMA-2.35	08/11/2014	Yes
			L018	LA-SMA-5.51	08/11/2014	Yes
			L018A	LA-SMA-5.52	08/11/2014	Yes
			L018B	LA-SMA-5.53	08/11/2014	Yes
			L017	LA-SMA-5.361	08/08/2014	Yes
			L017A	LA-SMA-5.362	08/08/2014	Yes
			D001	DP-SMA-0.3	08/11/2014	Yes
			D002	DP-SMA-0.4	08/11/2014	Yes
			D003	DP-SMA-0.6	08/11/2014	Yes
			D004	DP-SMA-1	08/11/2014	Yes
			D005	DP-SMA-2	08/11/2014	Yes
			D007	DP-SMA-3	08/11/2014	Yes
			L015	LA-SMA-5.31	08/11/2014	Yes
			L016	LA-SMA-5.33	08/08/2014	Yes
			L021	LA-SMA-6.27	08/11/2014	Yes
			L023	LA-SMA-6.32	08/08/2014	Yes
			L025	LA-SMA-6.36	08/11/2014	Yes
			L022A	LA-SMA-6.31	08/11/2014	Yes
			L026	LA-SMA-6.38	08/11/2014	Yes
			L028	LA-SMA-6.5	08/11/2014	Yes
			L027	LA-SMA-6.395	08/11/2014	Yes
			P005	P-SMA-1	08/13/2014	Yes
			P006	P-SMA-2	08/13/2014	Yes
			P007	P-SMA-2.15	08/12/2014	Yes
			P008	P-SMA-2.2	08/12/2014	Yes
			R005	R-SMA-2.3	08/11/2014	Yes
			R006	R-SMA-2.5	08/11/2014	Yes
			R003	R-SMA-1.95	08/11/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/29/2014 07/31/2014 08/04/2014	RG121.9	0.67 1.21 0.33	E011	2M-SMA-1.9	08/12/2014	Yes
			E012	2M-SMA-2	08/12/2014	Yes
			E013	2M-SMA-2.2	08/12/2014	Yes
			L002	LA-SMA-0.9	08/11/2014	Yes
			L003	LA-SMA-1	08/11/2014	Yes
			L001	LA-SMA-0.85	08/12/2014	Yes
			L004	LA-SMA-1.1	08/11/2014	Yes
			L005	LA-SMA-1.25	08/11/2014	Yes
			M001	M-SMA-1	08/12/2014	Yes
			M002	M-SMA-1.2	08/12/2014	Yes
			M002A	M-SMA-1.21	08/06/2014	Yes
			M002B	M-SMA-1.22	08/06/2014	Yes
			E001	2M-SMA-1	08/12/2014	Yes
			S001	S-SMA-0.25	08/11/2014	Yes
			S002	S-SMA-1.1	08/11/2014	Yes
			S003	S-SMA-2	08/08/2014	Yes
			S004	S-SMA-2.8	08/08/2014	Yes
			S006	S-SMA-3.6	08/08/2014	Yes
			S005	S-SMA-3.51	08/08/2014	Yes
			S005A	S-SMA-3.52	08/08/2014	Yes
			S005B	S-SMA-3.53	08/08/2014	Yes
			S003A	S-SMA-2.01	08/08/2014	Yes
07/29/2014 07/31/2014 08/04/2014 08/20/2014	RG262.4	0.3 0.76 0.33 0.25	V016	CDV-SMA-9.05	08/08/2014	Yes
			I001	PT-SMA-0.5	08/07/2014	Yes
			I002	PT-SMA-1	08/07/2014	Yes
			I003	PT-SMA-1.7	08/11/2014	Yes
			W021	W-SMA-14.1	08/12/2014	Yes
07/30/2014	RG253	0.3	J002	PJ-SMA-2	08/13/2014	Yes
			V001	CDV-SMA-1.2	08/11/2014	Yes
			V002	CDV-SMA-1.3	08/11/2014	Yes
			V003	CDV-SMA-1.4	08/11/2014	Yes
			V004	CDV-SMA-1.45	08/11/2014	Yes
07/31/2014	RG240	0.52	J001	PJ-SMA-1.05	08/13/2014	Yes
			J028	STRM-SMA-1.05	08/14/2014	Yes
			J029	STRM-SMA-1.5	08/14/2014	Yes
			J030	STRM-SMA-4.2	08/13/2014	Yes
			J031	STRM-SMA-5.05	08/13/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/31/2014 08/04/2014	RG-TA-06	0.92 0.33	E007	2M-SMA-1.65	08/14/2014	Yes
			E009	2M-SMA-1.7	08/12/2014	Yes
			E010	2M-SMA-1.8	08/12/2014	Yes
			E015	2M-SMA-2.5	08/14/2014	Yes
			E014	2M-SMA-3	08/12/2014	Yes
			J012	PJ-SMA-10	08/11/2014	Yes
			J013	PJ-SMA-11	08/11/2014	Yes
			J014	PJ-SMA-11.1	08/11/2014	Yes
			J005	PJ-SMA-5	08/12/2014	Yes
			J006	PJ-SMA-5.1	08/12/2014	Yes
			J007	PJ-SMA-6	08/14/2014	Yes
			J008	PJ-SMA-7	08/15/2014	Yes
			J009	PJ-SMA-8	08/15/2014	Yes
			J010	PJ-SMA-9	08/11/2014	Yes
07/31/2014 08/10/2014	RG-TA-53	0.86 0.46	L030	LA-SMA-10.11	08/12/2014	Yes
			L030A	LA-SMA-10.12	08/12/2014	Yes
			B001	B-SMA-0.5	08/13/2014	Yes
			D008	DP-SMA-4	08/12/2014	Yes
			L029	LA-SMA-9	08/13/2014	Yes
			P004	P-SMA-0.3	08/13/2014	Yes
			S011	S-SMA-4.1	08/13/2014	Yes
			S013	S-SMA-5	08/13/2014	Yes
			S014	S-SMA-5.2	08/13/2014	Yes
			S015	S-SMA-5.5	08/13/2014	Yes
			S016	S-SMA-6	08/14/2014	Yes
07/31/2014	RG-TA-54	0.36	C010	CDB-SMA-4	08/14/2014	Yes
			J023	PJ-SMA-16	08/14/2014	Yes
			J024	PJ-SMA-17	08/14/2014	Yes
			J025	PJ-SMA-19	08/14/2014	Yes
			J026	PJ-SMA-18	08/14/2014	Yes
			J027	PJ-SMA-20	08/14/2014	Yes
07/31/2014	RG038	0.71	L018C	LA-SMA-5.54	08/14/2014	Yes
			L020	LA-SMA-6.25	08/14/2014	Yes
			L022	LA-SMA-6.3	08/14/2014	Yes
			L024	LA-SMA-6.34	08/14/2014	Yes
			L019	LA-SMA-5.91	08/14/2014	Yes
			L019A	LA-SMA-5.92	08/14/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/31/2014 08/04/2014 08/10/2014	RG200.5	0.62 0.4 0.27	C001	CDB-SMA-0.15	08/12/2014	Yes
			M012	M-SMA-10	08/14/2014	Yes
			M013	M-SMA-10.3	08/14/2014	Yes
			M014	M-SMA-11.1	08/14/2014	Yes
			M015	M-SMA-12	08/14/2014	Yes
			M012A	M-SMA-10.01	08/14/2014	Yes
			M005	M-SMA-3.5	08/12/2014	Yes
			M006	M-SMA-4	08/12/2014	Yes
			M007	M-SMA-5	08/13/2014	Yes
			M008	M-SMA-6	08/14/2014	Yes
			M009	M-SMA-7	08/14/2014	Yes
			M010	M-SMA-7.9	08/14/2014	Yes
			M011	M-SMA-9.1	08/14/2014	Yes
			T002	T-SMA-1	08/12/2014	Yes
			T003	T-SMA-2.5	08/12/2014	Yes
			T005	T-SMA-3	08/12/2014	Yes
			T006	T-SMA-4	08/12/2014	Yes
			T007	T-SMA-5	08/12/2014	Yes
			T008	T-SMA-6.8	08/12/2014	Yes
			T009	T-SMA-7	08/13/2014	Yes
			T010	T-SMA-7.1	08/13/2014	Yes
			T004	T-SMA-2.85	08/12/2014	Yes
			T001	PRATT-SMA-1.05	08/14/2014	Yes
07/31/2014 08/04/2014 08/05/2014	RG203	0.71 0.33 0.26	M016	M-SMA-12.5	08/13/2014	Yes
			M017	M-SMA-12.6	08/13/2014	Yes
			M018	M-SMA-12.7	08/13/2014	Yes
			M019	M-SMA-12.8	08/13/2014	Yes
			M020	M-SMA-12.9	08/13/2014	Yes
			M021	M-SMA-12.92	08/13/2014	Yes
			M022	M-SMA-13	08/13/2014	Yes
			S007	S-SMA-3.7	08/13/2014	Yes
			S008	S-SMA-3.71	08/13/2014	Yes
			S009	S-SMA-3.72	08/13/2014	Yes
			S012	S-SMA-4.5	08/13/2014	Yes
			S010	S-SMA-3.95	08/13/2014	Yes
			J001	PJ-SMA-1.05	08/12/2014	Yes
			J028	STRM-SMA-1.05	08/13/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/31/2014 08/04/2014 08/05/2014	RG203	0.71 0.33 0.26	J029	STRM-SMA-1.5	08/13/2014	Yes
			J030	STRM-SMA-4.2	08/12/2014	Yes
			J031	STRM-SMA-5.05	08/12/2014	Yes
07/31/2014 08/04/2014	RG245.5	0.59 0.31	C004	CDB-SMA-1	08/13/2014	Yes
			C002	CDB-SMA-0.25	08/13/2014	Yes
			C003	CDB-SMA-0.55	08/13/2014	Yes
			C005	CDB-SMA-1.15	08/13/2014	Yes
			C006	CDB-SMA-1.35	08/13/2014	Yes
			C008	CDB-SMA-1.55	08/13/2014	Yes
			C009	CDB-SMA-1.65	08/13/2014	Yes
			C007	CDB-SMA-1.54	08/13/2014	Yes
07/31/2014 08/04/2014	RG257	0.69 0.25	V007	CDV-SMA-2.3	08/13/2014	Yes
			V008	CDV-SMA-2.41	08/13/2014	Yes
			V009	CDV-SMA-2.5	08/01/2014	Yes
			V010	CDV-SMA-3	08/13/2014	Yes
			V011	CDV-SMA-4	08/13/2014	Yes
			V008A	CDV-SMA-2.42	08/13/2014	Yes
			V009A	CDV-SMA-2.51	08/13/2014	Yes
			V013	CDV-SMA-7	08/13/2014	Yes
			V012	CDV-SMA-6.01	08/13/2014	Yes
			V012A	CDV-SMA-6.02	08/13/2014	Yes
			J004	PJ-SMA-4.05	08/13/2014	Yes
			J003	PJ-SMA-3.05	08/13/2014	Yes
			W013	W-SMA-9.05	08/11/2014	Yes
			W010	W-SMA-7.9	08/11/2014	Yes
			W011	W-SMA-8	08/11/2014	Yes
			W012	W-SMA-8.7	08/11/2014	Yes
			W014	W-SMA-9.5	08/13/2014	Yes
			W018	W-SMA-10	08/13/2014	Yes
			W004	W-SMA-3.5	08/13/2014	Yes
			W005	W-SMA-4.1	08/13/2014	Yes
			W006	W-SMA-5	08/13/2014	Yes
			W007	W-SMA-6	08/11/2014	Yes
			W008	W-SMA-7	08/11/2014	Yes
			W009	W-SMA-7.8	08/11/2014	Yes
			W012A	W-SMA-8.71	08/13/2014	Yes
			W015	W-SMA-9.7	08/13/2014	Yes
			W016	W-SMA-9.8	08/13/2014	Yes
			W017	W-SMA-9.9	08/13/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
07/31/2014	RG265	0.26	A003	A-SMA-2.5	08/13/2014	Yes
			A004	A-SMA-2.7	08/13/2014	Yes
			A005	A-SMA-2.8	08/13/2014	Yes
			A006	A-SMA-3	08/13/2014	Yes
07/31/2014	RG267.4	0.48	A001	A-SMA-1.1	08/13/2014	Yes
			A002	A-SMA-2	08/13/2014	Yes
			I007	PT-SMA-4.2	08/14/2014	Yes
08/04/2014	RG257	0.25	V006	CDV-SMA-2	08/18/2014	Yes
			V009	CDV-SMA-2.5	08/13/2014	Yes
08/10/2014	RG262.4	0.25	H002	3M-SMA-0.4	08/18/2014	Yes
			H003	3M-SMA-0.5	08/18/2014	Yes
			V014	CDV-SMA-8	08/18/2014	Yes
			V015	CDV-SMA-8.5	08/18/2014	Yes
			V016	CDV-SMA-9.05	08/19/2014	Yes
			I001	PT-SMA-0.5	08/18/2014	Yes
			I002	PT-SMA-1	08/18/2014	Yes
			I004	PT-SMA-2	08/18/2014	Yes
			I004A	PT-SMA-2.01	08/18/2014	Yes
			W019	W-SMA-11.7	08/18/2014	Yes
			W022	W-SMA-15.1	08/18/2014	Yes
			W020	W-SMA-12.05	08/18/2014	Yes
08/26/2014	RG-TA-54	0.29	C010	CDB-SMA-4	09/08/2014	Yes
			J023	PJ-SMA-16	09/04/2014	Yes
			J024	PJ-SMA-17	09/08/2014	Yes
			J025	PJ-SMA-19	09/08/2014	Yes
			J026	PJ-SMA-18	09/08/2014	Yes
			J027	PJ-SMA-20	09/08/2014	Yes
08/26/2014	RG245.5	0.35	H004	3M-SMA-0.6	09/09/2014	Yes
			H005	3M-SMA-2.6	09/02/2014	Yes
			H006	3M-SMA-4	09/04/2014	Yes
			C004	CDB-SMA-1	09/08/2014	Yes
			C002	CDB-SMA-0.25	09/08/2014	Yes
			C003	CDB-SMA-0.55	09/08/2014	Yes
			C005	CDB-SMA-1.15	09/08/2014	Yes
			C006	CDB-SMA-1.35	09/08/2014	Yes
			C008	CDB-SMA-1.55	09/08/2014	Yes
			C009	CDB-SMA-1.65	09/08/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
08/26/2014	RG245.5	0.35	C007	CDB-SMA-1.54	09/08/2014	Yes
			J015	PJ-SMA-13	09/02/2014	Yes
			J016	PJ-SMA-13.7	09/04/2014	Yes
			J017	PJ-SMA-14	09/02/2014	Yes
			J018	PJ-SMA-14.2	09/02/2014	Yes
			J019	PJ-SMA-14.3	09/04/2014	Yes
			J020	PJ-SMA-14.4	09/02/2014	Yes
			J021	PJ-SMA-14.6	09/04/2014	Yes
			J022	PJ-SMA-14.8	09/02/2014	Yes
08/26/2014	RG267.4	0.254	A001	A-SMA-1.1	09/10/2014	Yes
			A002	A-SMA-2	09/10/2014	Yes
			F001	F-SMA-2	09/09/2014	Yes
			I005	PT-SMA-3	09/09/2014	Yes
			I007	PT-SMA-4.2	09/09/2014	Yes
09/05/2014	RG038	0.37	D006	DP-SMA-2.35	09/16/2014	Yes
			L018	LA-SMA-5.51	09/16/2014	Yes
			L018A	LA-SMA-5.52	09/16/2014	Yes
			L018B	LA-SMA-5.53	09/16/2014	Yes
			L018C	LA-SMA-5.54	09/16/2014	Yes
			L017	LA-SMA-5.361	09/16/2014	Yes
			L017A	LA-SMA-5.362	09/16/2014	Yes
			D001	DP-SMA-0.3	09/16/2014	Yes
			D002	DP-SMA-0.4	09/16/2014	Yes
			D003	DP-SMA-0.6	09/16/2014	Yes
			D004	DP-SMA-1	09/16/2014	Yes
			D005	DP-SMA-2	09/16/2014	Yes
			D007	DP-SMA-3	09/16/2014	Yes
			L015	LA-SMA-5.31	09/17/2014	Yes
			L016	LA-SMA-5.33	09/16/2014	Yes
			L020	LA-SMA-6.25	09/17/2014	Yes
			L021	LA-SMA-6.27	09/17/2014	Yes
			L022	LA-SMA-6.3	09/17/2014	Yes
			L023	LA-SMA-6.32	09/16/2014	Yes
			L024	LA-SMA-6.34	09/18/2014	Yes
			L025	LA-SMA-6.36	09/18/2014	Yes
			L022A	LA-SMA-6.31	09/18/2014	Yes
			L019	LA-SMA-5.91	09/18/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
09/05/2014	RG038	0.37	L019A	LA-SMA-5.92	09/18/2014	Yes
			L026	LA-SMA-6.38	09/18/2014	Yes
			L028	LA-SMA-6.5	09/18/2014	Yes
			L027	LA-SMA-6.395	09/18/2014	Yes
			P005	P-SMA-1	09/19/2014	Yes
			P006	P-SMA-2	09/16/2014	Yes
			P007	P-SMA-2.15	09/16/2014	Yes
			P008	P-SMA-2.2	09/16/2014	Yes
			R005	R-SMA-2.3	09/17/2014	Yes
			R006	R-SMA-2.5	09/17/2014	Yes
			R003	R-SMA-1.95	09/17/2014	Yes
09/05/2014	RG262.4	0.32	H002	3M-SMA-0.4	09/17/2014	Yes
			H003	3M-SMA-0.5	09/17/2014	Yes
			V014	CDV-SMA-8	09/16/2014	Yes
			V015	CDV-SMA-8.5	09/16/2014	Yes
			V016	CDV-SMA-9.05	09/16/2014	Yes
			I001	PT-SMA-0.5	09/17/2014	Yes
			I002	PT-SMA-1	09/17/2014	Yes
			I003	PT-SMA-1.7	09/16/2014	Yes
			I004	PT-SMA-2	09/17/2014	Yes
			I004A	PT-SMA-2.01	09/17/2014	Yes
			W019	W-SMA-11.7	09/15/2014	Yes
			W021	W-SMA-14.1	09/16/2014	Yes
			W022	W-SMA-15.1	09/15/2014	Yes
			W020	W-SMA-12.05	09/15/2014	Yes
09/05/2014	RG340	0.31	A007	A-SMA-3.5	09/10/2014	Yes
			A008	A-SMA-4	09/10/2014	Yes
			A009	A-SMA-6	09/10/2014	Yes
			Q001	CHQ-SMA-0.5	09/10/2014	Yes
			Q003	CHQ-SMA-2	09/17/2014	Yes
			Q005	CHQ-SMA-4	09/16/2014	Yes
			Q002	CHQ-SMA-1.01	09/12/2014	Yes
			Q002A	CHQ-SMA-1.02	09/12/2014	Yes
			Q002B	CHQ-SMA-1.03	09/12/2014	Yes
			Q004	CHQ-SMA-3.05	09/12/2014	Yes
			Q006	CHQ-SMA-4.1	09/16/2014	Yes
			Q007	CHQ-SMA-4.5	09/17/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
09/05/2014	RG340	0.31	Q009	CHQ-SMA-6	09/16/2014	Yes
			Q010	CHQ-SMA-7.1	09/16/2014	Yes
			Q008	CHQ-SMA-5.05	09/16/2014	Yes
09/29/2014	RG245.5	0.26	H004	3M-SMA-0.6	10/08/2014	Yes
			H005	3M-SMA-2.6	10/08/2014	Yes
			H006	3M-SMA-4	10/14/2014	Yes
			C004	CDB-SMA-1	10/06/2014	Yes
			C002	CDB-SMA-0.25	10/06/2014	Yes
			C003	CDB-SMA-0.55	10/06/2014	Yes
			C005	CDB-SMA-1.15	10/06/2014	Yes
			C006	CDB-SMA-1.35	10/06/2014	Yes
			C008	CDB-SMA-1.55	10/06/2014	Yes
			C009	CDB-SMA-1.65	10/06/2014	Yes
			C007	CDB-SMA-1.54	10/06/2014	Yes
			J015	PJ-SMA-13	10/14/2014	Yes
			J016	PJ-SMA-13.7	10/14/2014	Yes
			J017	PJ-SMA-14	10/14/2014	Yes
			J018	PJ-SMA-14.2	10/14/2014	Yes
			J019	PJ-SMA-14.3	10/14/2014	Yes
			J020	PJ-SMA-14.4	10/14/2014	Yes
			J021	PJ-SMA-14.6	10/14/2014	Yes
			J022	PJ-SMA-14.8	10/14/2014	Yes
09/29/2014	RG262.4	0.25	H002	3M-SMA-0.4	10/08/2014	Yes
			H003	3M-SMA-0.5	10/08/2014	Yes
			V014	CDV-SMA-8	10/06/2014	Yes
			V015	CDV-SMA-8.5	10/06/2014	Yes
			V016	CDV-SMA-9.05	10/06/2014	Yes
			I001	PT-SMA-0.5	10/08/2014	Yes
			I002	PT-SMA-1	10/08/2014	Yes
			I003	PT-SMA-1.7	10/06/2014	Yes
			I004	PT-SMA-2	10/07/2014	Yes
			I004A	PT-SMA-2.01	10/07/2014	Yes
			W019	W-SMA-11.7	10/14/2014	Yes
			W021	W-SMA-14.1	10/06/2014	Yes
			W022	W-SMA-15.1	10/14/2014	Yes
			W020	W-SMA-12.05	10/14/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
09/29/2014	RG267.4	0.27	A001	A-SMA-1.1	10/07/2014	Yes
			A002	A-SMA-2	10/07/2014	Yes
			F001	F-SMA-2	10/07/2014	Yes
			I005	PT-SMA-3	10/07/2014	Yes
			I007	PT-SMA-4.2	10/08/2014	Yes
09/29/2014	RG340	0.35	A007	A-SMA-3.5	10/07/2014	Yes
			A008	A-SMA-4	10/08/2014	Yes
			A009	A-SMA-6	10/09/2014	Yes
			Q001	CHQ-SMA-0.5	10/09/2014	Yes
			Q003	CHQ-SMA-2	10/09/2014	Yes
			Q005	CHQ-SMA-4	10/09/2014	Yes
			Q002	CHQ-SMA-1.01	10/08/2014	Yes
			Q002A	CHQ-SMA-1.02	10/08/2014	Yes
			Q002B	CHQ-SMA-1.03	10/08/2014	Yes
			Q004	CHQ-SMA-3.05	10/09/2014	Yes
			Q006	CHQ-SMA-4.1	10/09/2014	Yes
			Q007	CHQ-SMA-4.5	10/09/2014	Yes
			Q009	CHQ-SMA-6	10/09/2014	Yes
			Q010	CHQ-SMA-7.1	10/09/2014	Yes
			Q008	CHQ-SMA-5.05	10/09/2014	Yes
10/09/2014	RG-TA-06	0.21	E002	2M-SMA-1.42	10/20/2014	Yes
			E003	2M-SMA-1.43	10/20/2014	Yes
			E004	2M-SMA-1.44	10/20/2014	Yes
			E005	2M-SMA-1.45	10/20/2014	Yes
			E006	2M-SMA-1.5	10/20/2014	Yes
			E007	2M-SMA-1.65	10/22/2014	Yes
			E008	2M-SMA-1.67	10/20/2014	Yes
			E009	2M-SMA-1.7	10/20/2014	Yes
			E010	2M-SMA-1.8	10/20/2014	Yes
			E015	2M-SMA-2.5	10/22/2014	Yes
			E014	2M-SMA-3	10/22/2014	Yes
			H001	3M-SMA-0.2	10/20/2014	Yes
			M003	M-SMA-3	10/24/2014	Yes
			M004	M-SMA-3.1	10/22/2014	Yes
			J012	PJ-SMA-10	10/22/2014	Yes
			J013	PJ-SMA-11	10/22/2014	Yes
			J014	PJ-SMA-11.1	10/22/2014	Yes
			J005	PJ-SMA-5	10/20/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
10/09/2014	RG-TA-06	0.21	J006	PJ-SMA-5.1	10/20/2014	Yes
			J007	PJ-SMA-6	10/22/2014	Yes
			J008	PJ-SMA-7	10/22/2014	Yes
			J009	PJ-SMA-8	10/22/2014	Yes
			J010	PJ-SMA-9	10/22/2014	Yes
10/09/2014	RG038	0.36	D006	DP-SMA-2.35	10/20/2014	Yes
			L018	LA-SMA-5.51	10/21/2014	Yes
			L018A	LA-SMA-5.52	10/21/2014	Yes
			L018B	LA-SMA-5.53	10/21/2014	Yes
			L018C	LA-SMA-5.54	10/21/2014	Yes
			L017	LA-SMA-5.361	10/21/2014	Yes
			L017A	LA-SMA-5.362	10/21/2014	Yes
			D001	DP-SMA-0.3	10/20/2014	Yes
			D002	DP-SMA-0.4	10/20/2014	Yes
			D003	DP-SMA-0.6	10/20/2014	Yes
			D004	DP-SMA-1	10/20/2014	Yes
			D005	DP-SMA-2	10/20/2014	Yes
			D007	DP-SMA-3	10/20/2014	Yes
			L015	LA-SMA-5.31	10/21/2014	Yes
			L016	LA-SMA-5.33	10/21/2014	Yes
			L020	LA-SMA-6.25	10/21/2014	Yes
			L021	LA-SMA-6.27	10/21/2014	Yes
			L022	LA-SMA-6.3	10/21/2014	Yes
			L023	LA-SMA-6.32	10/21/2014	Yes
			L024	LA-SMA-6.34	10/21/2014	Yes
			L025	LA-SMA-6.36	10/21/2014	Yes
			L022A	LA-SMA-6.31	10/21/2014	Yes
			L019	LA-SMA-5.91	10/22/2014	Yes
			L019A	LA-SMA-5.92	10/22/2014	Yes
			L026	LA-SMA-6.38	10/21/2014	Yes
			L028	LA-SMA-6.5	10/21/2014	Yes
			L027	LA-SMA-6.395	10/21/2014	Yes
			P005	P-SMA-1	10/22/2014	Yes
			P006	P-SMA-2	10/22/2014	Yes
			P007	P-SMA-2.15	10/22/2014	Yes
			P008	P-SMA-2.2	10/22/2014	Yes
			R005	R-SMA-2.3	10/20/2014	Yes
			R006	R-SMA-2.5	10/20/2014	Yes
			R003	R-SMA-1.95	10/20/2014	Yes

Table 6-2 (continued)

Storm Date	Rain Gage	30-Min Maximum Intensity (in./30 min)	Permitted Feature	SMA	Inspection Date	Inspected within 15 d?
10/09/2014	RG-TA-53	0.32	L030	LA-SMA-10.11	10/22/2014	Yes
			L030A	LA-SMA-10.12	10/22/2014	Yes
			B001	B-SMA-0.5	10/21/2014	Yes
			D008	DP-SMA-4	10/20/2014	Yes
			L029	LA-SMA-9	10/21/2014	Yes
			P004	P-SMA-0.3	10/23/2014	Yes
			S011	S-SMA-4.1	10/22/2014	Yes
			S013	S-SMA-5	10/22/2014	Yes
			S014	S-SMA-5.2	10/22/2014	Yes
			S015	S-SMA-5.5	10/22/2014	Yes
			S016	S-SMA-6	10/23/2014	Yes

Table 6-3
Summary of Annual Erosion Evaluation Inspections

Permitted Feature	SMA	Inspection Date
R001	R-SMA-0.5	10/30/2014
R002	R-SMA-1	10/30/2014
R003	R-SMA-1.95	11/05/2014
R004	R-SMA-2.05	10/30/2014
R005	R-SMA-2.3	10/30/2014
R006	R-SMA-2.5	10/30/2014
B001	B-SMA-0.5	10/29/2014
B002	B-SMA-1	10/31/2014
P001	ACID-SMA-1.05	10/31/2014
P002	ACID-SMA-2	10/31/2014
P002A	ACID-SMA-2.01	10/31/2014
P003	ACID-SMA-2.1	10/31/2014
P004	P-SMA-0.3	10/29/2014
P005	P-SMA-1	10/29/2014
P006	P-SMA-2	10/29/2014
P007	P-SMA-2.15	10/29/2014
P008	P-SMA-2.2	10/28/2014
P009	P-SMA-3.05	10/30/2014
L001	LA-SMA-0.85	10/23/2014
L002	LA-SMA-0.9	10/23/2014
L003	LA-SMA-1	10/22/2014
L004	LA-SMA-1.1	10/22/2014
L005	LA-SMA-1.25	10/22/2014
L006	LA-SMA-2.1	10/27/2014
L007	LA-SMA-2.3	11/03/2014
L008	LA-SMA-3.1	11/03/2014
L009	LA-SMA-3.9	11/03/2014
L010	LA-SMA-4.1	11/03/2014
L011	LA-SMA-4.2	11/03/2014
L012	LA-SMA-5.01	11/03/2014
L012A	LA-SMA-5.02	11/03/2014
L013	LA-SMA-5.2	10/23/2014
L015	LA-SMA-5.31	10/23/2014
L016	LA-SMA-5.33	10/24/2014
L014	LA-SMA-5.35	10/23/2014
L017	LA-SMA-5.361	10/24/2014
L017A	LA-SMA-5.362	10/24/2014

Table 6-3 (continued)

Permitted Feature	SMA	Inspection Date
L018	LA-SMA-5.51	10/23/2014
L018A	LA-SMA-5.52	10/23/2014
L018B	LA-SMA-5.53	10/23/2014
L018C	LA-SMA-5.54	10/23/2014
L019	LA-SMA-5.91	10/28/2014
L019A	LA-SMA-5.92	10/28/2014
L020	LA-SMA-6.25	10/27/2014
L021	LA-SMA-6.27	10/27/2014
L022	LA-SMA-6.3	10/27/2014
L022A	LA-SMA-6.31	10/27/2014
L023	LA-SMA-6.32	10/27/2014
L024	LA-SMA-6.34	10/27/2014
L025	LA-SMA-6.36	10/27/2014
L026	LA-SMA-6.38	10/27/2014
L027	LA-SMA-6.395	10/27/2014
L028	LA-SMA-6.5	10/27/2014
L029	LA-SMA-9	10/24/2014
L030	LA-SMA-10.11	10/22/2014
L030A	LA-SMA-10.12	10/22/2014
D001	DP-SMA-0.3	10/27/2014
D002	DP-SMA-0.4	10/28/2014
D003	DP-SMA-0.6	10/28/2014
D004	DP-SMA-1	10/28/2014
D005	DP-SMA-2	10/28/2014
D006	DP-SMA-2.35	10/28/2014
D007	DP-SMA-3	10/27/2014
D008	DP-SMA-4	10/27/2014
S001	S-SMA-0.25	10/21/2014
S002	S-SMA-1.1	10/21/2014
S003	S-SMA-2	10/21/2014
S003A	S-SMA-2.01	11/04/2014
S004	S-SMA-2.8	10/20/2014
S005	S-SMA-3.51	10/20/2014
S005A	S-SMA-3.52	10/20/2014
S005B	S-SMA-3.53	10/20/2014
S006	S-SMA-3.6	10/21/2014
S007	S-SMA-3.7	10/20/2014
S008	S-SMA-3.71	10/20/2014
S009	S-SMA-3.72	10/20/2014

Table 6-3 (continued)

Permitted Feature	SMA	Inspection Date
S010	S-SMA-3.95	10/22/2014
S011	S-SMA-4.1	10/20/2014
S012	S-SMA-4.5	10/22/2014
S013	S-SMA-5	10/22/2014
S014	S-SMA-5.2	10/22/2014
S015	S-SMA-5.5	10/22/2014
S016	S-SMA-6	11/06/2014
C001	CDB-SMA-0.15	10/15/2014
C002	CDB-SMA-0.25	10/15/2014
C003	CDB-SMA-0.55	10/14/2014
C004	CDB-SMA-1	10/15/2014
C005	CDB-SMA-1.15	10/15/2014
C006	CDB-SMA-1.35	10/15/2014
C007	CDB-SMA-1.54	10/15/2014
C008	CDB-SMA-1.55	10/15/2014
C009	CDB-SMA-1.65	10/15/2014
C010	CDB-SMA-4	11/06/2014
M001	M-SMA-1	10/15/2014
M002	M-SMA-1.2	10/15/2014
M002A	M-SMA-1.21	10/15/2014
M002B	M-SMA-1.22	10/15/2014
M003	M-SMA-3	10/24/2014
M004	M-SMA-3.1	10/24/2014
M005	M-SMA-3.5	10/24/2014
M006	M-SMA-4	10/24/2014
M007	M-SMA-5	10/17/2014
M008	M-SMA-6	10/17/2014
M009	M-SMA-7	10/17/2014
M010	M-SMA-7.9	10/17/2014
M011	M-SMA-9.1	10/17/2014
M012	M-SMA-10	10/17/2014
M012A	M-SMA-10.01	10/17/2014
M013	M-SMA-10.3	10/17/2014
M014	M-SMA-11.1	10/17/2014
M015	M-SMA-12	10/17/2014
M016	M-SMA-12.5	10/20/2014
M017	M-SMA-12.6	10/20/2014
M018	M-SMA-12.7	10/20/2014
M019	M-SMA-12.8	10/20/2014

Table 6-3 (continued)

Permitted Feature	SMA	Inspection Date
M020	M-SMA-12.9	10/20/2014
M021	M-SMA-12.92	10/20/2014
M022	M-SMA-13	10/20/2014
T001	PRATT-SMA-1.05	10/16/2014
T002	T-SMA-1	10/31/2014
T003	T-SMA-2.5	10/17/2014
T004	T-SMA-2.85	10/17/2014
T005	T-SMA-3	10/17/2014
T006	T-SMA-4	10/16/2014
T007	T-SMA-5	10/16/2014
T008	T-SMA-6.8	10/16/2014
T009	T-SMA-7	10/16/2014
T010	T-SMA-7.1	10/16/2014
E001	2M-SMA-1	10/21/2014
E002	2M-SMA-1.42	10/07/2014
E003	2M-SMA-1.43	10/07/2014
E004	2M-SMA-1.44	10/07/2014
E005	2M-SMA-1.45	10/07/2014
E006	2M-SMA-1.5	10/17/2014
E007	2M-SMA-1.65	10/06/2014
E008	2M-SMA-1.67	10/07/2014
E009	2M-SMA-1.7	10/21/2014
E010	2M-SMA-1.8	10/21/2014
E011	2M-SMA-1.9	10/21/2014
E012	2M-SMA-2	10/21/2014
E013	2M-SMA-2.2	10/21/2014
E014	2M-SMA-3	10/07/2014
E015	2M-SMA-2.5	10/06/2014
H001	3M-SMA-0.2	10/07/2014
H002	3M-SMA-0.4	10/06/2014
H003	3M-SMA-0.5	10/06/2014
H004	3M-SMA-0.6	10/06/2014
H005	3M-SMA-2.6	10/29/2014
H006	3M-SMA-4	10/29/2014
J001	PJ-SMA-1.05	10/07/2014
J002	PJ-SMA-2	10/08/2014
J003	PJ-SMA-3.05	10/08/2014
J004	PJ-SMA-4.05	10/08/2014
J005	PJ-SMA-5	10/07/2014

Table 6-3 (continued)

Permitted Feature	SMA	Inspection Date
J006	PJ-SMA-5.1	10/07/2014
J007	PJ-SMA-6	10/06/2014
J008	PJ-SMA-7	10/06/2014
J009	PJ-SMA-8	10/06/2014
J010	PJ-SMA-9	10/06/2014
J012	PJ-SMA-10	10/06/2014
J013	PJ-SMA-11	10/07/2014
J014	PJ-SMA-11.1	10/07/2014
J015	PJ-SMA-13	10/29/2014
J016	PJ-SMA-13.7	10/29/2014
J017	PJ-SMA-14	10/29/2014
J018	PJ-SMA-14.2	10/29/2014
J019	PJ-SMA-14.3	10/29/2014
J020	PJ-SMA-14.4	10/29/2014
J021	PJ-SMA-14.6	10/29/2014
J022	PJ-SMA-14.8	10/29/2014
J023	PJ-SMA-16	10/29/2014
J024	PJ-SMA-17	11/06/2014
J026	PJ-SMA-18	11/06/2014
J025	PJ-SMA-19	11/06/2014
J027	PJ-SMA-20	11/06/2014
J028	STRM-SMA-1.05	10/07/2014
J029	STRM-SMA-1.5	10/07/2014
J030	STRM-SMA-4.2	10/07/2014
J031	STRM-SMA-5.05	10/07/2014
V001	CDV-SMA-1.2	10/08/2014
V002	CDV-SMA-1.3	10/08/2014
V003	CDV-SMA-1.4	10/08/2014
V004	CDV-SMA-1.45	10/08/2014
V005	CDV-SMA-1.7	10/17/2014
V006	CDV-SMA-2	10/17/2014
V007	CDV-SMA-2.3	10/09/2014
V008	CDV-SMA-2.41	10/09/2014
V008A	CDV-SMA-2.42	10/09/2014
V009	CDV-SMA-2.5	10/09/2014
V009A	CDV-SMA-2.51	10/09/2014
V010	CDV-SMA-3	10/08/2014
V011	CDV-SMA-4	10/08/2014
V012	CDV-SMA-6.01	10/08/2014

Table 6-3 (continued)

Permitted Feature	SMA	Inspection Date
V012A	CDV-SMA-6.02	10/08/2014
V013	CDV-SMA-7	10/07/2014
V014	CDV-SMA-8	10/08/2014
V015	CDV-SMA-8.5	10/07/2014
V016	CDV-SMA-9.05	10/06/2014
F001	F-SMA-2	10/02/2014
I001	PT-SMA-0.5	10/02/2014
I002	PT-SMA-1	10/02/2014
I003	PT-SMA-1.7	10/06/2014
I004	PT-SMA-2	10/06/2014
I004A	PT-SMA-2.01	10/06/2014
I005	PT-SMA-3	10/02/2014
I007	PT-SMA-4.2	10/06/2014
W001	W-SMA-1	10/02/2014
W002	W-SMA-1.5	10/02/2014
W003	W-SMA-2.05	10/02/2014
W004	W-SMA-3.5	10/02/2014
W005	W-SMA-4.1	10/02/2014
W006	W-SMA-5	10/08/2014
W007	W-SMA-6	10/06/2014
W008	W-SMA-7	10/07/2014
W009	W-SMA-7.8	10/06/2014
W010	W-SMA-7.9	10/06/2014
W011	W-SMA-8	10/06/2014
W012	W-SMA-8.7	10/08/2014
W012A	W-SMA-8.71	10/08/2014
W013	W-SMA-9.05	10/07/2014
W014	W-SMA-9.5	10/07/2014
W015	W-SMA-9.7	10/07/2014
W016	W-SMA-9.8	10/07/2014
W017	W-SMA-9.9	10/07/2014
W018	W-SMA-10	10/07/2014
W019	W-SMA-11.7	10/31/2014
W020	W-SMA-12.05	10/31/2014
W021	W-SMA-14.1	10/06/2014
W022	W-SMA-15.1	10/31/2014
A001	A-SMA-1.1	10/14/2014
A002	A-SMA-2	10/14/2014
A003	A-SMA-2.5	10/14/2014

Table 6-3 (continued)

Permitted Feature	SMA	Inspection Date
A004	A-SMA-2.7	10/14/2014
A005	A-SMA-2.8	10/14/2014
A006	A-SMA-3	10/14/2014
A007	A-SMA-3.5	10/14/2014
A008	A-SMA-4	10/09/2014
A009	A-SMA-6	10/09/2014
Q001	CHQ-SMA-0.5	10/14/2014
Q002	CHQ-SMA-1.01	10/09/2014
Q002A	CHQ-SMA-1.02	10/09/2014
Q002B	CHQ-SMA-1.03	10/09/2014
Q003	CHQ-SMA-2	10/14/2014
Q004	CHQ-SMA-3.05	10/09/2014
Q005	CHQ-SMA-4	10/14/2014
Q006	CHQ-SMA-4.1	10/14/2014
Q007	CHQ-SMA-4.5	10/09/2014
Q008	CHQ-SMA-5.05	10/14/2014
Q009	CHQ-SMA-6	10/14/2014
Q010	CHQ-SMA-7.1	10/14/2014

Table 6-4
Summary of Visual Inspections for TAL Exceedances

Permitted Feature	SMA	Inspection Date
P006	P-SMA-2	10/29/2014
L014	LA-SMA-5.35	11/18/2014
L018A	LA-SMA-5.52	10/23/2014
L019	LA-SMA-5.91	10/28/2014
L029	LA-SMA-9	10/24/2014
S001	S-SMA-0.25	10/21/2014
S002	S-SMA-1.1	10/21/2014
S005B	S-SMA-3.53	10/20/2014
S015	S-SMA-5.5	10/22/2014
M002B	M-SMA-1.22	10/15/2014
T008	T-SMA-6.8	10/16/2014
E004	2M-SMA-1.44	10/07/2014
E009	2M-SMA-1.7	10/21/2014
H003	3M-SMA-0.5	10/06/2014
H006	3M-SMA-4	10/29/2014
J007	PJ-SMA-6	10/06/2014
J010	PJ-SMA-9	10/06/2014
J012	PJ-SMA-10	10/06/2014
J029	STRM-SMA-1.5	10/07/2014
V012	CDV-SMA-6.01	10/08/2014
V014	CDV-SMA-8	10/08/2014
F001	F-SMA-2	10/02/2014
I002	PT-SMA-1	10/02/2014
I004	PT-SMA-2	10/06/2014
I005	PT-SMA-3	10/02/2014
I007	PT-SMA-4.2	10/06/2014
W001	W-SMA-1	10/02/2014
W002	W-SMA-1.5	10/02/2014
W008	W-SMA-7	10/07/2014
W012A	W-SMA-8.71	10/08/2014
W021	W-SMA-14.1	10/06/2014
Q001	CHQ-SMA-0.5	10/14/2014

Table 6-5
Summary of Remediation Construction Activity Inspections

Permitted Feature	SMA	Purpose	Inspection Date	Backup Controls in Place?
L018	LA-SMA-5.51	Enhanced control installation	05/30/2014	Yes
L018	LA-SMA-5.51	Enhanced control installation	06/05/2014	Yes
L018	LA-SMA-5.51	Enhanced control installation	06/13/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	07/17/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	07/24/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	07/31/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	08/07/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	08/13/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	08/20/2014	Yes
L018C	LA-SMA-5.54	Enhanced control installation	08/26/2014	Yes
S003	S-SMA-2	Additional control installation	08/20/2014	Yes
S003	S-SMA-2	Additional control installation	08/27/2014	Yes
S003	S-SMA-2	Additional control installation	09/03/2014	Yes
S003	S-SMA-2	Additional control installation	09/10/2014	Yes
J005	PJ-SMA-5	Enhanced control installation	12/10/2014	Yes
J005	PJ-SMA-5	Enhanced control installation	12/18/2014	Yes
J005	PJ-SMA-5	Enhanced control installation	12/22/2014	Yes
J013	PJ-SMA-11	Enhanced control installation	12/18/2014	Yes
J013	PJ-SMA-11	Enhanced control installation	12/23/2014	Yes
J014	PJ-SMA-11.1	Enhanced control installation	12/18/2014	Yes
J014	PJ-SMA-11.1	Enhanced control installation	12/23/2014	Yes
A002	A-SMA-2	Enhanced control installation	07/02/2014	Yes
A002	A-SMA-2	Enhanced control installation	07/09/2014	Yes
A002	A-SMA-2	Enhanced control installation	07/16/2014	Yes
A002	A-SMA-2	Enhanced control installation	07/23/2014	Yes
A002	A-SMA-2	Enhanced control installation	07/30/2014	Yes
A002	A-SMA-2	Enhanced control installation	08/07/2014	Yes
A002	A-SMA-2	Enhanced control installation	08/14/2014	Yes
A002	A-SMA-2	Enhanced control installation	08/21/2014	Yes
A002	A-SMA-2	Enhanced control installation	08/28/2014	Yes
A002	A-SMA-2	Enhanced control installation	09/04/2014	Yes
A002	A-SMA-2	Enhanced control installation	09/11/2014	Yes
A002	A-SMA-2	Enhanced control installation	09/17/2014	Yes

Table 6-6
Samples Collected without Measurable Discharge

SMA	Comment	Rain Events Exceeding 0.1 in. during Periods of Inoperability	Rainfall Intensity/Total (in.)
S-SMA-0.25	The sampler was shut down on 09/28/2014 at 9:44 PM after collection of a nonconfirmation monitoring sample. The sample collected did not meet the criteria for confirmation monitoring. It was not collected following a storm event. The sampler was not reactivated for confirmation monitoring instead corrective action planning was re-initiated on 11/03/2014.	09/29/2014 10/09/2014	0.16/0.17 0.2/0.48
PT-SMA-0.5	The sampler was shut down on 08/06/2014 at 12:33 AM after collection of a nonconfirmation monitoring sample. The sample collected did not meet the criteria for confirmation monitoring. It was not collected within the first hour of discharge. Instead, the sample resulted from seepage from a berm after several storm events. The sampler was reactivated for sample 1 corrective action monitoring on 08/13/2014 at 10:45 AM (inoperable 8 days).	08/10/2014	0.25/0.25
W-SMA-1.5	The sampler was shut down on 07/31/2014 at 5:49 PM after collection of a nonconfirmation monitoring sample. The sample collected did not meet the criteria for confirmation monitoring. It was collected 12 d from the previous confirmation monitoring sample at the SMA. The sampler was reactivated for sample 2 corrective action monitoring on 08/27/2014 at 9:15 AM (inoperable 27 d).	07/31/2014 08/13/2014	0.2/0.66 0.1/0.14

Table 6-7
Insufficient Battery Voltage to Operate Sampler

SMA	Compliance Status Report Comment	Rain Events Exceeding 0.1 in. during Periods of Inoperability	Rainfall Intensity/Total (in.)
LA-SMA-2.1	The sampler was inoperable because of a dead battery on 09/25/2014 at 10:41 AM (estimated at immediately after last known operable time) and was reset on 10/27/2014 at 10:10 AM (inoperable 32 d).	09/29/2014 10/09/2014	0.17/0.18 0.23/0.57
CDV-SMA-6.02	The sampler was inoperable because of a power failure on 05/30/2014 at 9:28 AM (estimated at immediately after last known operable time) and was reset on 07/11/2014 at 11:05 AM (inoperable 42 d).	06/07/2014 06/21/2014 07/07/2014 07/08/2014	0.22/0.37 0.22/0.22 0.48/0.6 0.98/1.8

Table 6-8
Malfunctioning Sampler Equipment and Repair

SMA	Compliance Status Report Comment	Rain Events Exceeding 0.1 in. during Periods of Inoperability	Rainfall Intensity/Total (in.)
S-SMA-0.25	The sample was inoperable because of equipment failure on 07/29/2014 at 8:01 AM (estimated at immediately after last known operability) and was reset on 08/12/2014 at 1:04 PM (inoperable 14 d).	07/29/2014 07/31/2014 08/04/2014	0.67/1.24 1.21/1.34 0.33/0.39
CDB-SMA-0.15	The sampler was inoperable because of equipment failure on 04/02/2014 at 12:01 PM (estimated immediately after last known operable time) and was reset on 05/15/2014 at 11:10 AM (inoperable 43 d).	None	n/a*
M-SMA-1.21	The sampler was inoperable because of tubing failure on 03/25/2014 at 3:06 PM (estimated at immediately after last known operable time) and was reset on 05/05/2014 at 1:30 PM (inoperable 41 d).	None	n/a
M-SMA-12.92	The sampler was inoperable on 07/17/2014 at 4:10 PM (estimated at immediately after last known operable time) because of a buried actuator and was reset on 08/13/2014 at 2:36 PM (inoperable 27 d). The sampler was turned off on 08/13/2014 at 2:37 PM (estimated at immediately after last known operability) for extensive control measure maintenance and was reset for monitoring on 10/28/2014 at 11:30 AM (inoperable 76 d).	07/19/2014 07/27/2014 07/31/2014 08/01/2014 08/04/2014 08/05/2014 08/10/2014	0.18/0.35 0.19/0.31 0.71/0.88 0.24/0.34 0.33/0.59 0.26/0.27 0.18/0.19
P-SMA-1	The sampler was inoperable on 05/13/2014 at 1:01 PM (estimated at immediately after last known operability) and was reset on 05/27/2014 at 12:35 PM (inoperable 14 d).	None	n/a
PJ-SMA-14.3	The sampler was inoperable because of disturbed equipment on 04/08/2014 at 10:01 AM (estimated at immediately after last known operable time) and was reset at 05/22/2014 at 10:35 AM (inoperable 44 d).	05/22/2014	0.17/0.33
W-SMA-15.1	The sampler was inoperable because of equipment failure on 03/25/2014 at 10:46 AM (estimated at immediately after last known operable time) and was reset on 05/06/2014 at 1:49 PM (inoperable 42 d).	None	n/a

*n/a = Not applicable.

Table 6-9
Inoperable Triggered Sampler Equipment

SMA	Compliance Status Report Comment	Rain Events Exceeding 0.1 in. during Periods of Inoperability	Rainfall Intensity/Total (in.)
P-SMA-2.15	The sampler attempted but was unable to collect a sample on 10/09/2014 at 1:15 PM. Precipitation totaling 0.6 in. began at 1:15 PM on 10/09/2014 at the associated rain gage RG038. The sampler was reset on 10/16/2014 at 11:00 AM (inoperable 7 d).	10/09/2014	0.36/0.6
LA-SMA-5.51	The sampler attempted but was unable to collect a sample on 07/17/2014 at 12:22 PM. Precipitation totaling 0.02 in. began at 1:50 PM on 07/17/2014 at the associated rain gage RG038. The sampler was reset on 08/05/2014 at 9:45 AM (inoperable 16 d).	07/27/2014 07/29/2014 07/31/2014 08/04/2014	0.23/0.39 0.29/0.57 0.71/0.86 0.27/0.32
LA-SMA-6.38	The sampler attempted but was unable to collect a sample on 04/07/2014 at 10:07 AM. Precipitation totaling 0.01 in. began at 8:00 AM on 04/07/2014 at the associated rain gage RG038. The sampler was reset on 04/30/2014 at 11:10 AM (inoperable 23 d).	None	n/a*
PJ-SMA-7	The sampler attempted but was unable to collect a sample on 07/09/2014 at 3:29 AM. Precipitation totaling 2.00 in. occurred on 07/08/2014 and overnight on 07/09/2014 at the associated rain gage RG-TA-06. The sampler was inoperable because of a buried actuator and was reset on 07/11/2014 at 12:25 PM (inoperable 2 d).	07/08/2014– 07/09/2014	1.12/2.00
PJ-SMA-10	The sampler collected insufficient volume on 06/21/2014 at 11:32 AM. Precipitation totaling 0.4 in. began at 11:30 AM on 06/21/2014 at the associated rain gage RG-TA-06. The sampler was reset on 06/24/2014 at 1:35 PM (inoperable 3 d).	06/21/2014	0.39/0.40
PJ-SMA-14.4	The sampler attempted but was unable to collect a sample on 06/12/2014 at 9:41 AM (estimated immediately after last known operable time). No precipitation was recorded at any LANL rain gage on 06/12/2014. The sampler was reset on 06/24/2014 at 11:10 AM (inoperable 12 d). The sampler attempted but was unable to collect a sample on 07/01/2014 at 9:49 PM. Precipitation totaling 0.02 in. began at 9:10 PM on 07/01/2014 at the associated rain gage RG245.5. The sampler was reset on 07/09/2014 at 12:20 PM (inoperable 8 d). The sampler attempted but was unable to collect a sample on 10/10/2014 at 12:12 AM. Precipitation totaling 0.46 in. began at 1:35 PM on 09/09/2014 and overnight on 09/10/2014 at the associated rain gage RG245.5 The sampler was shut down for the winter on 11/10/2014 at 12:35 PM (inoperable 32 d).	06/21/2014 07/02/2014 07/08/2014	0.38/0.39 0.32/0.34 0.43/0.82

Table 6-9 (continued)

SMA	Compliance Status Report Comment	Rain Events Exceeding 0.1 in. during Periods of Inoperability	Rainfall Intensity/Total (in.)
CDV-SMA-6.02	The sampler attempted but was unable to collect a sample on 07/27/2014 at 6:40 PM. Precipitation totaling 0.38 in. began at 8:45 PM on 07/27/2014 at the associated rain gage RG257. The sampler was reset on 07/29/2014 at 9:20 AM (inoperable 2 d).	07/27/2014	0.24/0.38
CDV-SMA-8	The sampler attempted but was unable to collect a sample on 07/09/2014 at 7:53 AM. Precipitation totaling 1.09 in. ended at 3:00 AM on 07/09/2014 at the associated rain gage RG262.4. The sampler was reset on 07/11/2014 at 10:00 AM (inoperable 2 d).	None	n/a
PT-SMA-0.5	The sampler collected insufficient volume on 07/07/2014 at 2:52 PM. Precipitation totaling 0.55 in. began at 2:10 PM on 05/23/2014 at the associated rain gage E262.4.The sampler was reset on 07/10/2014 at 11:10 AM (inoperable 3 d).	07/07/2014 07/08/2014	0.17/0.22 0.55/1.09
PT-SMA-1	The sampler attempted but was unable to collect a sample on 05/23/2014 at 2:19 PM. Precipitation totaling 0.55 in. began at 2:10 PM on 05/23/2014 at the associated rain gage E262.4. The sampler was reset on 05/27/2014 at 2:40 PM (inoperable 4 d).	05/23/2014	0.30/0.55
PT-SMA-2	The sampler attempted but was unable to collect a sample on 04/20/2014 at 8:58 AM. However, the sampler remained active and was shut down on 05/23/2014 at 2:18 PM after insufficient volume was collected. Precipitation totaling 0.55 in. began at 2:10 PM on 05/23/2014 at the associated rain gage E262.4. The sampler was reset on 05/27/2014 at 3:35 PM (inoperable 4 d).	05/23/2014	0.3/0.55
A-SMA-1.1	The sampler attempted but was unable to collect a sample on 06/11/2014 at 8:50 AM (estimated immediately after last known operable time). No precipitation was recorded at any LANL rain gage on 06/11/2014. The sampler was reset on 06/25/2014 at 9:12 AM (inoperable 14 d). The sampler attempted but was unable to collect a sample on 07/02/2014 at 7:13 PM. Precipitation totaling 0.34 in. began at 6:55 PM on 07/02/2014 at the associated rain gage RG267.4. The sampler was reset on 07/07/2014 at 2:00 PM (inoperable 6 d). The sampler attempted but was unable to collect a sample on 07/08/2014 at 12:21 PM. Precipitation totaling 0.85 in. began at 1:00 PM on 07/08/2014 and continued overnight into 07/09/2014 at the associated rain gage RG267.4. The sampler was reset on 07/10/2014 at 8:30 AM (inoperable 2 d).	06/21/2014 07/02/2014 07/07/2014 07/08/2014	0.42/0.51 0.33/0.34 0.33/0.33 0.52/0.85
CHQ-SMA-4	The sampler attempted but was unable to collect a sample on 09/09/2014 at 10:04 AM (estimated at immediately after last known operable time). No precipitation was recorded at the associated rain gage RG340 on 09/09/2014. The sampler was reset on 09/30/2014 at 1:15 PM (inoperable 21 d).	09/22/2014 09/29/2014	0.22/0.29 0.35/0.38
F-SMA-2	The sampler collected insufficient volume on 07/07/2014 at 2:52 PM. Precipitation totaling 0.33 in. began at 2:50 PM on 07/07/2014 at the associated rain gage RG267.4. The sampler was reset on 7/10/2014 at 11:10 AM (inoperable 3 d).	07/08/2014	0.52/0.85

*n/a = Not applicable.

Table 6-10
2014 Rainfall Intensity and Total Amounts Greater Than 0.1-in. 30-Min Maximum Intensity or 0.25-in. Total Rainfall in 24 h

Precipitation Date	RG038	RG055.5	RG121.9	RG200.5	RG203	RG240	RG245.5	RG253	RG257
03/01/2014	—*	—	—	—	—	—	—	—	—
03/14/2014	—	—	—	—	—	—	—	—	—
05/22/2014	0.16 / 0.26	0.1 / 0.21	0.06 / 0.21	0.1 / 0.21	0.25 / 0.4	0.08 / 0.15	0.17 / 0.33	0.09 / 0.2	0.17 / 0.3
05/23/2014	0.19 / 0.31	0.21 / 0.35	0.03 / 0.36	0.03 / 0.14	0.14 / 0.35	0.14 / 0.29	0.12 / 0.31	0.12 / 0.24	0.25 / 0.36
05/24/2014	0.05 / 0.12	0.07 / 0.22	0.04 / 0.28	0.03 / 0.31	0.07 / 0.21	0.09 / 0.26	0.07 / 0.23	0.1 / 0.28	0.08 / 0.26
05/25/2014	0.07 / 0.14	0.05 / 0.15	0.02 / 0.14	0.01 / 0.01	0.02 / 0.04	0.05 / 0.1	0.02 / 0.05	0.07 / 0.14	0.03 / 0.06
06/07/2014	0.14 / 0.23	0.13 / 0.21	0.14 / 0.24	0.03 / 0.18	0.23 / 0.28	0.21 / 0.26	0.29 / 0.39	0.23 / 0.32	0.22 / 0.37
06/13/2014	0.03 / 0.05	0.06 / 0.11	0.04 / 0.08	0.02 / 0.05	0.02 / 0.04	0.05 / 0.09	0.05 / 0.07	0.04 / 0.08	0.03 / 0.07
06/17/2014	0.00 / 0.00	0.04 / 0.04	0.03 / 0.03	0.01 / 0.01	0.00 / 0.00	0.01 / 0.01	0.00 / 0.00	0.02 / 0.04	0.02 / 0.05
06/21/2014	0.14 / 0.2	0.18 / 0.25	0.07 / 0.08	0.09 / 0.1	0.21 / 0.23	0.1 / 0.1	0.38 / 0.39	0.19 / 0.2	0.22 / 0.22
07/01/2014	0.00 / 0.00	0.01 / 0.01	0.00 / 0.00	0.00 / 0.00	0.01 / 0.01	0.00 / 0.00	0.02 / 0.02	0.00 / 0.00	0.00 / 0.00
07/02/2014	0.14 / 0.14	0.06 / 0.06	0.00 / 0.00	0.12 / 0.12	0.25 / 0.25	0.00 / 0.00	0.32 / 0.34	0.00 / 0.00	0.00 / 0.00
07/07/2014	0.01 / 0.01	0.34 / 0.4	1.17 / 1.27	0.07 / 0.07	0.00 / 0.00	0.39 / 0.44	0.06 / 0.07	0.2 / 0.22	0.48 / 0.6
07/08/2014	0.17 / 0.52	0.7 / 1.09	0.89 / 1.33	0.26 / 0.82	0.35 / 0.79	0.13 / 0.47	0.43 / 0.82	0.18 / 0.53	0.98 / 1.8
07/10/2014	0.01 / 0.01	0.00 / 0.00	0.04 / 0.04	0.00 / 0.00	0.00 / 0.00	0.34 / 0.43	0.01 / 0.01	0.17 / 0.22	0.02 / 0.02
07/14/2014	0.19 / 0.69	0.21 / 0.83	0.18 / 0.7	0.14 / 0.64	0.2 / 0.8	0.18 / 0.79	0.15 / 0.63	0.14 / 0.77	0.13 / 0.64
07/15/2014	0.68 / 0.98	0.63 / 0.88	0.39 / 0.63	0.59 / 0.83	0.67 / 1	0.1 / 0.28	0.65 / 0.9	0.16 / 0.46	0.17 / 0.4
07/16/2014	0.13 / 0.24	0.08 / 0.17	0.1 / 0.14	0.08 / 0.17	0.05 / 0.11	0.01 / 0.01	0.01 / 0.04	0.04 / 0.06	0.01 / 0.02
07/19/2014	0.07 / 0.17	0.2 / 0.38	0.18 / 0.41	0.23 / 0.48	0.18 / 0.35	0.27 / 0.86	0.13 / 0.36	0.46 / 1.06	0.25 / 0.82
07/23/2014	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.01 / 0.01	0.00 / 0.00	0.00 / 0.00
07/26/2014	0.05 / 0.06	0.07 / 0.1	0.06 / 0.07	0.12 / 0.13	0.04 / 0.06	0.01 / 0.01	0.05 / 0.1	0.01 / 0.01	0.00 / 0.00
07/27/2014	0.23 / 0.39	0.39 / 0.64	0.24 / 0.48	0.19 / 0.38	0.19 / 0.31	0.16 / 0.29	0.4 / 0.59	0.19 / 0.32	0.24 / 0.38
07/29/2014	0.29 / 0.57	0.62 / 1.37	0.67 / 1.24	0.24 / 0.43	0.07 / 0.16	0.77 / 1.3	0.09 / 0.2	0.17 / 0.28	0.12 / 0.3
07/30/2014	0.02 / 0.02	0.01 / 0.01	0.03 / 0.05	0.02 / 0.03	0.01 / 0.01	0.06 / 0.12	0.02 / 0.04	0.3 / 0.35	0.15 / 0.18
07/31/2014	0.71 / 0.86	0.84 / 0.96	1.21 / 1.34	0.62 / 0.74	0.71 / 0.88	0.52 / 1.01	0.59 / 0.81	0.2 / 0.66	0.69 / 1.1

Table 6-10 (continued)

Precipitation Date	RG038	RG055.5	RG121.9	RG200.5	RG203	RG240	RG245.5	RG253	RG257
08/01/2014	0.07 / 0.15	0.08 / 0.19	0.06 / 0.16	0.16 / 0.24	0.24 / 0.34	0.08 / 0.29	0.09 / 0.18	0.08 / 0.28	0.05 / 0.21
08/04/2014	0.24 / 0.32	0.29 / 0.38	0.33 / 0.39	0.4 / 0.56	0.33 / 0.59	0.16 / 0.24	0.31 / 0.53	0.09 / 0.2	0.25 / 0.63
08/05/2014	0.08 / 0.14	0.05 / 0.1	0.05 / 0.05	0.12 / 0.14	0.26 / 0.27	0.00 / 0.00	0.19 / 0.29	0.01 / 0.03	0.12 / 0.13
08/10/2014	0.08 / 0.08	0.00 / 0.00	0.04 / 0.04	0.27 / 0.28	0.18 / 0.19	0.00 / 0.00	0.14 / 0.16	0.01 / 0.02	0.09 / 0.09
08/13/2014	0.01 / 0.01	0.02 / 0.02	0.03 / 0.05	0.01 / 0.01	0.00 / 0.00	0.09 / 0.12	0.00 / 0.00	0.1 / 0.14	0.02 / 0.04
08/15/2014	0.01 / 0.02	0.05 / 0.06	0.21 / 0.28	0.02 / 0.05	0.05 / 0.07	0.24 / 0.26	0.03 / 0.03	0.02 / 0.03	0.08 / 0.11
08/26/2014	0.05 / 0.13	0.02 / 0.1	0.02 / 0.09	0.05 / 0.15	0.23 / 0.62	0.06 / 0.12	0.35 / 0.6	0.02 / 0.06	0.03 / 0.1
09/05/2014	0.37 / 0.37	0.16 / 0.17	0.15 / 0.17	0.1 / 0.1	0.04 / 0.05	0.06 / 0.09	0.1 / 0.13	0.04 / 0.05	0.08 / 0.11
09/22/2014	0.03 / 0.07	0.03 / 0.06	0.02 / 0.05	0.03 / 0.06	0.02 / 0.04	0.04 / 0.07	0.03 / 0.06	0.03 / 0.07	0.02 / 0.05
09/29/2014	0.2 / 0.21	0.17 / 0.18	0.16 / 0.17	0.16 / 0.16	0.14 / 0.15	0.08 / 0.11	0.26 / 0.28	0.12 / 0.13	0.09 / 0.09
10/09/2014	0.36 / 0.6	0.23 / 0.57	0.2 / 0.48	0.24 / 0.51	0.24 / 0.56	0.18 / 0.48	0.21 / 0.46	0.24 / 0.54	0.17 / 0.34
10/17/2014	0.05 / 0.06	0.03 / 0.05	0.03 / 0.05	0.08 / 0.08	0.07 / 0.08	0.1 / 0.11	0.07 / 0.08	0.1 / 0.1	0.05 / 0.06
11/02/2014	0.05 / 0.24	0.06 / 0.33	0.05 / 0.34	0.06 / 0.24	0.16 / 0.33	0.08 / 0.52	0.15 / 0.37	0.06 / 0.48	0.06 / 0.36
12/04/2014	—	—	—	—	—	—	—	—	—

Table 6-10 (continued)

Precipitation Date	RG262.4	RG265	RG267.4	RG340	RG-NCOM	RG-TA-06	RG-TA-53	RG-TA-54
03/01/2014	—	—	—	—	0.05 / 0.53b	0.08 / 0.65	0.07 / 0.18	0.09 / 0.45
03/14/2014	—	—	—	—	0.04 / 0.08	0.12 / 0.31	0.01 / 0.01	0.03 / 0.04
05/22/2014	0.11 / 0.24	0.31 / 0.51	0.14 / 0.3	0.28 / 0.38	0.06 / 0.16	0.18 / 0.37	0.19 / 0.42	0.35 / 0.53
05/23/2014	0.3 / 0.55	0.09 / 0.22	0.18 / 0.33	0.07 / 0.19	0.26 / 0.39	0.32 / 0.45	0.1 / 0.22	0.05 / 0.12
05/24/2014	0.09 / 0.29	0.08 / 0.35	0.08 / 0.27	0.08 / 0.33	0.1 / 0.25	0.08 / 0.29	0.04 / 0.1	0.07 / 0.26
05/25/2014	0.01 / 0.04	0.04 / 0.06	0.02 / 0.05	0.03 / 0.04	0.16 / 0.27	0.26 / 0.35	0.00 / 0.00	0.03 / 0.05
06/07/2014	0.37 / 0.45	0.27 / 0.43	0.22 / 0.26	0.11 / 0.16	0.08 / 0.16	0.24 / 0.4	0.1 / 0.13	0.3 / 0.47
06/13/2014	0.15 / 0.18	0.32 / 0.35	0.00 / 0.00	0.16 / 0.18	0.04 / 0.06	0.03 / 0.09	0.01 / 0.02	0.16 / 0.2
06/17/2014	0.01 / 0.01	0.08 / 0.11	0.00 / 0.00	0.1 / 0.13	0.00 / 0.00	0.01 / 0.02	0.00 / 0.00	0.02 / 0.03
06/21/2014	0.46 / 0.68	0.17 / 0.17	0.42 / 0.51	0.31 / 0.32	0.08 / 0.08	0.39 / 0.4	0.08 / 0.1	0.13 / 0.13
07/01/2014	0.02 / 0.02	0.13 / 0.14	0.02 / 0.02	0.08 / 0.08	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.01 / 0.01
07/02/2014	0.1 / 0.12	0.36 / 0.4	0.33 / 0.34	0.29 / 0.31	0.00 / 0.00	0.00 / 0.00	0.24 / 0.27	0.59 / 0.65
07/07/2014	0.17 / 0.22	0.00 / 0.00	0.33 / 0.33	0.00 / 0.00	0.48 / 0.6	1.37 / 1.46	0.00/0.00	0.00/0.00
07/08/2014	0.55 / 1.09	0.52 / 0.95	0.52 / 0.85	0.21 / 0.65	0.43 / 0.7	1.12 / 2	0.38 / 0.72	0.72 / 1.46
07/10/2014	0.00 / 0.00	0.01 / 0.01	0.00 / 0.00	0.00 / 0.00	0.01 / 0.01	0.03 / 0.04	0.00 / 0.00	0.00 / 0.00
07/14/2014	0.2 / 0.76	0.15 / 0.51	0.19 / 0.75	0.09 / 0.42	0.19 / 0.77	0.18 / 0.72	0.16 / 0.57	0.14 / 0.53
07/15/2014	0.54 / 0.74	0.12 / 0.3	0.66 / 0.89	0.14 / 0.27	0.3 / 0.5	0.4 / 0.68	0.61 / 0.84	0.15 / 0.36
07/16/2014	0.00 / 0.00	0.01 / 0.01	0.00 / 0.00	0.01 / 0.03	0.02 / 0.07	0.08 / 0.09	0.06 / 0.08	0.00 / 0.00
07/19/2014	0.21 / 0.59	0.31 / 0.45	0.26 / 0.48	0.17 / 0.24	0.11 / 0.23	0.3 / 0.9	0.03 / 0.07	0.02 / 0.04
07/23/2014	0.04 / 0.04	0.29 / 0.39	0.09 / 0.09	0.81 / 0.98	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.01 / 0.01
07/26/2014	0.01 / 0.01	0.01 / 0.01	0.03 / 0.05	0.00 / 0.00	0.38 / 0.59	0.03 / 0.04	0.00 / 0.00	0.00 / 0.00
07/27/2014	0.42 / 0.6	0.03 / 0.06	0.33 / 0.38	0.04 / 0.04	0.12 / 0.35	0.34 / 0.72	0.05 / 0.09	0.08 / 0.1
07/29/2014	0.3 / 0.7	0.39 / 0.61	0.12 / 0.42	0.42 / 0.68	0.19 / 0.54	0.23 / 0.58	0.02 / 0.03	0.02 / 0.06
07/30/2014	0.09 / 0.13	0.02 / 0.03	0.07 / 0.1	0.1 / 0.11	0.00 / 0.00	0.03 / 0.08	0.00 / 0.00	0.00 / 0.00
07/31/2014	0.76 / 0.95	0.26 / 0.41	0.48 / 0.64	0.19 / 0.27	0.36 / 0.48	0.92 / 1.17	0.86 / 0.96	0.36 / 0.54
08/01/2014	0.15 / 0.28	0.04 / 0.11	0.07 / 0.15	0.02 / 0.09	0.05 / 0.16	0.09 / 0.22	0.14 / 0.16	0.08 / 0.12

Table 6-10 (continued)

Precipitation Date	RG262.4	RG265	RG267.4	RG340	RG-NCOM	RG-TA-06	RG-TA-53	RG-TA-54
08/04/2014	0.33 / 0.87	0.09 / 0.21	0.17 / 0.35	0.18 / 0.3	0.03 / 0.06	0.33 / 0.53	0.14 / 0.22	0.03 / 0.08
08/05/2014	0.21 / 0.3	0.17 / 0.26	0.17 / 0.22	0.00 / 0.00	0.01 / 0.01	0.07 / 0.07	0.09 / 0.1	0.14 / 0.27
08/10/2014	0.25 / 0.25	0.11 / 0.11	0.14 / 0.22	0.04 / 0.07	0.00 / 0.00	0.02 / 0.02	0.46 / 0.48	0.07 / 0.1
08/13/2014	0.00 / 0.00	0.01 / 0.02	0.01 / 0.01	0.02 / 0.04	0.01 / 0.02	0.02 / 0.02	0.00 / 0.00	0.01 / 0.01
08/15/2014	0.04 / 0.05	0.02 / 0.02	0.01 / 0.02	0.11 / 0.11	0.05 / 0.11	0.11 / 0.16	0.00 / 0.00	0.02 / 0.02
08/26/2014	0.2 / 0.69	0.18 / 0.3	0.25 / 0.56	0.17 / 0.28	0.03 / 0.08	0.03 / 0.11	0.15 / 0.4	0.29 / 0.46
09/05/2014	0.32 / 0.33	0.11 / 0.21	0.14 / 0.15	0.31 / 0.46	0.07 / 0.07	0.03 / 0.07	0.19 / 0.2	0.11 / 0.13
09/22/2014	0.05 / 0.11	0.03 / 0.09	0.04 / 0.08	0.22 / 0.29	0.01 / 0.03	0.03 / 0.08	0.00 / 0.00	0.01 / 0.01
09/29/2014	0.25 / 0.28	0.2 / 0.24	0.27 / 0.29	0.35 / 0.38	0.04 / 0.05	0.12 / 0.13	0.15 / 0.15	0.14 / 0.19
10/09/2014	0.21 / 0.4	0.11 / 0.18	0.18 / 0.42	0.18 / 0.23	0.16 / 0.4	0.21 / 0.51	0.32 / 0.48	0.14 / 0.23
10/17/2014	0.1 / 0.12	0.05 / 0.07	0.07 / 0.09	0.05 / 0.07	0.08 / 0.09	0.04 / 0.05	0.02 / 0.02	0.04 / 0.05
11/02/2014	0.05 / 0.39	0.1 / 0.44	0.13 / 0.39	0.12 / 0.44	0.04 / 0.28	0.05 / 0.36	0.12 / 0.16	0.12 / 0.42
12/04/2014	—	—	—	—	0.05 / 0.44	0.05 / 0.49	0.02 / 0.13	0.05 / 0.39

Notes: Blue shading indicates control measure inspection required within 15 d and sampler inspection recommended at all associated SMAs. Tan shading indicates sampler inspection is recommended at associated SMAs based on flow potential.

*— = Rain gage was not operational on day with precipitation.

Table 7-1
Minor Sampler Location Adjustments

SMA	Station Name	IntellusNM Location ID	Watershed
LA-SMA-5.54	SS141047	LA-SMA-5.54 at SS141047	Los Alamos and Pueblo
3M-SMA-0.5	SS141505	3M-SMA-0.5 at SS141505	Pajarito
CHQ-SMA-1.03	SS140619	CHQ-SMA-1.03 at SS140619	Chaquehui
W-SMA-8	SS143941	W-SMA-8 at SS143941	Water and Cañon de Valle
A-SMA-2	SS140212	A-SMA-2 at SS140212	Ancho
3M-SMA-0.4	SS141506	3M-SMA-0.4 at SS141506	Pajarito

Table 7-2
Summary of SDPPP Changes Completed from January 1 to December 31, 2014

Description of Type of Change to SDPPP	Number of Changes to SDPPP Volumes for January 1–December 31, 2014, Time Period					
	Volume 1 Los Alamos and Pueblo Watersheds	Volume 2 Sandia and Mortandad Watersheds	Volume 3 Pajarito Watershed	Volume 4 Water and Cañon de Valle Watersheds	Volume 5 Ancho and Chaquehui Watersheds	Total for All SDPPP Volumes
Revisions/Updates to SMA Maps	68	78	43	43	24	256
Add New Control – Additional Control – Augmenting Existing/Baseline Control	56	61	21	58	10	206
Add New Control – Additional Control – Routine/Replacement Control	4	9	4	3	7	27
Retire Control – Damaged and/or Replaced Control	55	45	15	19	16	150
Retire Control – Lifecycle Expired Control	2	0	3	0	0	5
Add New Control – Enhanced Control	16	8	0	0	14	38
Edits or changes to SDPPP reference documents	0	0	0	0	0	0
Edits or changes to procedure documents included in SDPPP	0	0	0	0	0	0
SDPPP updates to Site descriptions	64	64	51	50	21	250
Certificate of Completion Issued for SWMU or AOC	0	0	0	0	0	0
Minor Sampler Adjustments, with Updates to Coordinates in Attachment D	2	0	3	0	1	6
SMA Boundary Modifications	4	3	4	0	2	13
Site Boundary Modifications	0	0	0	0	0	0
Miscellaneous edit or correction to SDPPP text	6	6	6	6	6	30
Total Changes	**277**	**274**	**150**	**179**	**101**	**981**

Table 8-1
Milestones for Significant Compliance Phases for the Individual Permit

Compliance Phase	Permit Section(s)	Description	Milestone
Baseline Control Measures Installation	Part I, Section B.1	The Permittees must install baseline control measures at each Site within 6 mo of the November 1, 2010, effective date of the Permit. Baseline control measures had already been installed and implemented before the effective date of the Permit at 102 Sites assigned to 63 SMAs.	04/30/2011
	Appendix E	Appendix E, Table E-1, specifies the control measures installed or to be installed at each Site. Table E-2 lists 63 SMAs where baseline control measures have been installed before November 1, 2010.	
Baseline Control Measures Certification	Part I, Section B.1	The Permittees must certify the baseline control measures specified in Appendix E have been installed for all Sites at each SMA. Certification documentation must include a description and photograph of each control measure.	
	Appendix E	The Permittees must certify the baseline control measures completed at 63 SMAs before November 1, 2010 (listed in Table E-2) within 30 d of effective date of Permit.	12/01/2010
	Appendix E	The Permittees must certify baseline control measures for Sites at the remaining 187 SMAs listed in Table E-1 within 30 d of completion.	05/30/2011
Baseline Monitoring	Part I, Section D.1	The Permittees shall perform confirmation monitoring following installation of control measures. Initial monitoring requirements following installation and implementation of baseline control measures vary on a site-by-site basis.	
	Part I, Section D.1(a)	For Sites at which baseline control measures were installed and implemented before November 1, 2010, the Permittees shall collect two or more confirmation samples within one (1) year after the effective date of the Permit at associated SMAs.	10/31/2011
	Part I, Section D.1(b)	For Sites at which baseline control measures were installed and implemented within six (6) months of the effective date of the Permit, the Permittees shall collect two or more confirmation samples within eighteen (18) months after the effective date of the Permit at associated SMAs.	04/30/2012
Baseline Monitoring Extended (MEx)	Section E.5(e)	If no confirmation sample could be collected during the applicable period from a measurable storm event, confirmation sampling shall continue until at least one sample is collected, and compliance with applicable TALs for that particular Site or Sites will be determined based on the single result from the first successful confirmation sampling event.	As applicable

Table 8-1 (continued)

Compliance Phase	Permit Section(s)	Description	Milestone
Baseline Confirmation Complete (BCComp)	Part I, Section D.4(b)	If analytical results for all pollutants of concern at a particular SMA are at or below the MTALs and the average of all applicable sampling results is at or below the ATALs, or the applicable minimum quantitation levels (MQLs), whichever is greater, no further sampling is required for the Site or group of Sites within the associated SMA for the remaining period of the permit.	As applicable
Corrective Action Initiation (CAI)	Part I, Section E	The Permittees shall initiate corrective action as soon as practicable if, following installation of baseline control measures, initial confirmation monitoring shows TALs are not being met at a particular Site. If confirmation monitoring shows TALs are not being met at a particular Site, the Permittees must take corrective action through installation of measures reasonably expected to (i) meet applicable TALs at that Site; (ii) achieve total retention of storm water discharges from the Site; (iii) totally eliminate exposure of pollutants to storm water at the Site; or through (iv) demonstrate the Site has achieved RCRA "corrective action complete without controls/corrective action complete with controls" status or a certificate of completion under the Consent Order.	See Section 4 of the Annual Report
Enhanced Control Monitoring (CAM3 or CAM5)	Part I, Section E.1(a)	If the selected corrective action entails the design and installation of enhanced control measures, the Permittees shall collect at least two confirmation samples following installation of any enhanced control. If either validated confirmation sample result exceeds applicable TALs, the Permittees shall initiate further measures to achieve completion of corrective action.	As applicable
	Part I, Section E.1(c)	Where applicable, the Permittees shall provide sampling results within 30 d of receipt of analytical results from the first measureable storm event after completion of such measures.	As applicable
	Part I, Section E.1(d)	For "High Priority Sites" [see Part I, Section E.4 (a)], if no confirmation sample could be collected because of a lack of a measurable storm event before the second year of the Permit (October 31, 2012), then the compliance deadlines under Part I, Section E.4, shall be extended for a one- (1-) year period following the first successful confirmation sampling event.	As applicable

Table 8-1 (continued)

Compliance Phase	Permit Section(s)	Description	Milestone
Corrective Action Complete (CAComp)	Part I, Section E.2	The Permittees must certify completion of corrective action within the deadlines established under Part I, Section E.4.	
	Part I, Section E.4(a)	The Permittees must certify completion of corrective action under Part I, Section E.2, for 63 "High Priority Sites" within three (3) years of the effective date of the Permit [or such other time period as may be specified pursuant to Part I, Section E.3, Alternative Compliance, E.4 (c), Force Majeure, or E.5, Additional Sampling Requirements].	10/31/2013
	Part 1, Section E.1(d)	If a baseline confirmation monitoring sample was not collected by September 30, 2012, the Permittees are required to certify completion of corrective action at "High Priority Sites" within one (1) year following the first successful confirmation sampling event.	As applicable
	Part I, Section E.4(b)	The Permittees must certify completion of corrective action under Part I, Section E.2, for remaining 342 "Moderate Priority Sites" listed in Appendix A within five (5) years of the effective date of the Permit [or such other time period as may be specified pursuant to Part I, Section E.3, Alternative Compliance, E.4 (c), Force Majeure, or E.5, Additional Sampling Requirements].	10/31/2015
Alternative Compliance (AltComp)	Part I, Section E.3	The Permittees may seek to place a Site into Alternative Compliance where the Permittees believe they have installed measures to minimize pollutants in their storm water discharges but are unable to certify Completion of Corrective Action within the deadlines established under Part I, Section E, Completion of Corrective Action, will be accomplished under Alternative Compliance on a case-by-case basis and, as necessary, pursuant to an individually tailored compliance schedule determined by EPA.	As applicable
Deletion of Site	Part I, Section I.2	The Permittees may submit a written request to remove a Site from the Permit if the Permittees can demonstrate that the Site meets on of the following conditions: the Site was never used to manage hazardous waste or the Site has received a certificate of completion under the Consent Order and confirmation samples of runoff have demonstrated concentrations no greater than applicable TALs. Once a Site is removed from the Permit, a discharge of contaminated runoff is no longer authorized by the Permit.	As applicable

Table 8-2
Summary of Individual Permit Compliance Status

Permit Phase	Compliance Status Category	Number of SMA/Site Combinations*	Milestone	Status as of December 31, 2014
Baseline	Baseline Monitoring Extended (MEx)	148	As applicable	Baseline monitoring is extended until one confirmation sample can be collected.
Baseline	Baseline Confirmation Complete (BCComp or <TAL)	11	10/31/2013	All baseline confirmation monitoring results are less than TALs. No further monitoring is required.
Corrective Action	Enhanced Control Monitoring (CAM3 or CAM5)	73	As applicable	Enhanced control monitoring continues until 2 samples are collected or a TAL is exceeded.
Corrective Action	Corrective Action Complete (CACompC)	11	10/13/2013	CACompC = Corrective action is complete under the Permit with a certification of no exposure.
Corrective Action	Corrective Action Complete (CACompD)	25	10/13/2013	CACompD = Corrective action is complete under the Permit with a certificate of completion under NMED's Consent Order.
Corrective Action	Alternative Compliance Approved (AltCompA)	2	As applicable	Alternative compliance is approved for Sites 03-012(b), 03-045(b), 03-045(c), and 03-056(c) in S-SMA-2.
Corrective Action	Alternative Compliance Requested (AltCompR)	1	As applicable	Alternative compliance is requested for Site 50-006(d) in M-SMA-7.9.
Corrective Action	Deletion of Site (PModRD)	1	As applicable	Deletion of Site from the Permit has not been requested.
Corrective Action	Planning for COC – S1	3		Permit screening process for corrective action recommendation: Certificate of completion received.
Corrective Action	Planning for COC – S2	8		Permit screening process for corrective action recommendation: Certificate of completion requested.
Corrective Action	Planning for COC – S3	19		Permit screening process for corrective action recommendation: Certificate of completion recommended.
Corrective Action	Planning for COC – S4 or S4a	3		Permit screening process for corrective action recommendation: Certificate of completion eligible after a investigation report is submitted to NMED.
Corrective Action	Planning for COC – FMCOC	1		Request for an extension resulting from force majeure event. NMED approval of supplemental investigation report and certificates of completion required.
Corrective Action	Planning for No Exposure – S6A	4		Permit screening process for corrective action recommendation: Submit certification of no exposure to EPA.

Table 8-2 (continued)

Permit Phase	Compliance Status Category	Number of SMA/Site Combinations*	Milestone	Status as of December 31, 2014
Corrective Action	Planning for Alternative Compliance – S6B	72		Permit screening process for corrective action recommendation: Submit alternative compliance request to EPA.
Corrective Action	Planning for Alternatives Analysis – S7	55		Permit screening process for corrective action recommendation: Alternatives analysis is being performed to determine appropriate control to achieve corrective action.
Corrective Action	Planning to build enhanced controls – BEC	15		Alternatives analysis has determined the corrective action plan is to build enhanced controls.

* A total of 452 SMA/Site combinations are being tracked. Permitted Site 32-002(b) is retired and has been replaced by 32-002(b1) and 32-002(b2). Site 14-002(c) in CDV-SMA-6.02 and Site 22-010(b) in PJ-SMA-5.1 have been administratively added. Site 16-029(e) replaces 16-026(h2) in W-SMA-7. These administrative changes increase the total number of Sites reported in this table to 408.

Table 8-3
Site-Specific Compliance Status

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
R001	R-SMA-0.5	12/16/2010	08/03/2012	09/12/2012	CAI[a]	C-00-020	MPS[b]	CACompD[c]	11/29/2012	n/a[d]	11/29/2012
R002	R-SMA-1	05/16/2011	07/02/2011	10/13/2011	CAI	C-00-041	MPS	S3[e]	In Planning	—[f]	—
R003	R-SMA-1.95	12/16/2010	08/19/2011	05/01/2012	CAI	00-015	MPS	CAM5[g]	09/25/2014	In Process	—
R004	R-SMA-2.05	12/01/2010	In Process	—	—	00-011(c)	MPS	—	—	—	—
R005	R-SMA-2.3	12/01/2010	06/14/2013	—	<TAL[h]	00-011(e)	MPS	—	—	—	—
R006	R-SMA-2.5	12/16/2010	In Process	—	—	00-011(a)	MPS	—	—	—	—
B001	B-SMA-0.5	12/16/2010	09/13/2013	10/30/2013	CAI	10-001(a)	MPS	S3	In Planning	—	—
						10-001(b)	MPS	S3	In Planning	—	—
						10-001(c)	MPS	S3	In Planning	—	—
						10-001(d)	MPS	S3	In Planning	—	—
						10-004(a)	MPS	S3	In Planning	—	—
						10-004(b)	MPS	S3	In Planning	—	—
						10-008	MPS	S3	In Planning	—	—
						10-009	MPS	S3	In Planning	—	—
B002	B-SMA-1	12/16/2010	09/13/2013	10/22/2013	CAI	00-011(d)	MPS	CACompD	11/22/2013	n/a	11/22/2013
P001	ACID-SMA-1.05	12/01/2010	08/21/2011	—	<TAL	00-030(g)	MPS	—	—	—	—
P002	ACID-SMA-2	12/01/2010	08/19/2011	11/03/2011	CAI	01-002(b)-00	MPS	S2[i]	In Planning	—	—
						45-001	MPS	CACompD	03/07/2013	n/a	03/07/2013
						45-002	MPS	CACompD	03/07/2013	n/a	03/07/2013
						45-004	MPS	CACompD	03/07/2013	n/a	03/07/2013
P002A	ACID-SMA-2.01	12/16/2010	In Process	—	—	00-030(f)	MPS	—	—	—	—
P003	ACID-SMA-2.1	12/01/2010	08/03/2012	09/07/2012	CAI	01-002(b)-00	MPS	S2	In Planning	—	—
P004	P-SMA-0.3	12/16/2010	07/25/2013	09/05/2013	CAI	00-018(b)	MPS	CACompD	09/16/2013	n/a	09/16/2013
P005	P-SMA-1	12/01/2010	In Process	—	—	73-001(a)	HPS[j]	—	—	—	—
						73-004(d)	HPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
P006	P-SMA-2	12/01/2010	09/05/2014	10/14/2014	CAI	73-002	MPS	S1[k]	—	—	—
						73-006	MPS	S1	—	—	—
P007	P-SMA-2.15	12/16/2010	In Process	—	—	31-001	MPS	—	—	—	—
P008	P-SMA-2.2	05/16/2011	In Process	—	—	00-019	HPS	—	—	—	—
P009	P-SMA-3.05	12/16/2010	09/13/2013	10/22/2013	CAI	00-018(a)	HPS	S1	In Planning	—	—
L001	LA-SMA-0.85	12/01/2010	07/30/2011	10/07/2011	CAI	03-055(c)	MPS	CAM5	10/23/2012	06/24/2013	—
				07/24/2013	CAI2[l]	03-055(c)	MPS	S6B	In Planning	—	—
L002	LA-SMA-0.9	12/16/2010	In Process	—	—	00-017	MPS	—	—	—	—
						C-00-044	MPS	—	—	—	—
L003	LA-SMA-1	12/16/2010	08/19/2011	04/30/2012	CAI	00-017	MPS	CAM5	11/27/2012	10/08/2014	—
						C-00-044	MPS	CAM5	11/27/2012	10/08/2014	—
				10/08/2014	CAI2	00-017	MPS	S4a[m]	In Planning		—
						C-00-044	MPS	S4a	In Planning		—
L004	LA-SMA-1.1	12/16/2010	07/28/2011	10/11/2011	CAI	43-001(b2)	MPS	CACompD	11/29/2012	n/a	11/29/2012
L005	LA-SMA-1.25	12/01/2010	08/28/2011	10/27/2011	CAI	C-43-001	MPS	CAM5	08/30/2012	11/15/2012	—
				11/15/2012	CAI2	C-43-001	MPS	S6B	In Planning	—	—
L006	LA-SMA-2.1	05/16/2011	09/13/2013	11/03/2013	CAI	01-001(f)	HPS	CAM3[n]	09/25/2014	In Process	—
L007	LA-SMA-2.3	12/16/2010	08/21/2011	05/01/2012	CAI	01-001(b)	MPS	CACompD	11/29/2012	n/a	11/29/2012
L008	LA-SMA-3.1	12/01/2010	In Process	—	—	01-001(e)	HPS	—	—	—	—
						01-003(a)	HPS	—	—	—	—
L009	LA-SMA-3.9	12/16/2010	In Process	—	—	01-001(g)	MPS	—	—	—	—
						01-006(a)	MPS	—	—	—	—
L010	LA-SMA-4.1	12/01/2010	08/19/2011	11/08/2011	CAI	01-003(b)	MPS	S6B	In Planning	—	—
					CAI	01-006(b)	MPS	S6B	In Planning	—	—
L011	LA-SMA-4.2	12/01/2010	In Process	—	—	01-001(c)	MPS	—	—	—	—
						01-006(c)	MPS	—	—	—	—
						01-006(d)	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
L012	LA-SMA-5.01	12/16/2010	In Process	—	—	01-001(d)	HPS	—	—	—	—
						01-006(h)	HPS	—	—	—	—
L012A	LA-SMA-5.02	05/16/2011	08/19/2011	10/25/2011	CAI	01-003(e)	HPS	CACompD	11/29/2012	n/a	11/29/2012
L013	LA-SMA-5.2	05/16/2011	In Process	—	—	01-003(d)	MPS	—	—	—	—
L015	LA-SMA-5.31	12/16/2010	08/19/2011	04/30/2012	CAI	41-002(c)	MPS	CAM5	07/27/2012	In Process	—
L016	LA-SMA-5.33	12/16/2010	08/21/2011	04/30/2012	CAI	32-004	MPS	CACompD	03/07/2013	n/a	03/07/2013
L014	LA-SMA-5.35	12/01/2010	08/04/2011	10/27/2011	CAI	C-41-004	MPS	CAM5	11/27/2012	08/19/2014	—
				08/19/2014	CAI2	C-41-004	MPS	S6B	In Planning	—	—
L017	LA-SMA-5.361	04/28/2011	In Process	—	—	32-002(b1)	MPS	—	—	—	—
						32-002(b2)	MPS	—	—	—	—
L017A	LA-SMA-5.362	04/28/2011	In Process	—	—	32-003	MPS	—	—	—	—
L018	LA-SMA-5.51	04/28/2011	07/12/2013	08/21/2013	CAI	02-003(a)	HPS	CAM3	06/27/2014	In Process	—
						02-003(e)	HPS	CAM3	06/27/2014	In Process	—
						02-004(a)	HPS	CAM3	06/27/2014	In Process	—
						02-005	HPS	CAM3	06/27/2014	In Process	—
						02-006(b)	HPS	CAM3	06/27/2014	In Process	—
						02-006(c)	HPS	CAM3	06/27/2014	In Process	—
						02-006(d)	HPS	CAM3	06/27/2014	In Process	—
						02-006(e)	HPS	CAM3	06/27/2014	In Process	—
						02-008(a)	HPS	CAM3	06/27/2014	In Process	—
						02-009(b)	HPS	CAM3	06/27/2014	In Process	—
						02-011(a)	HPS	CAM3	06/27/2014	In Process	—
						02-011(b)	HPS	CAM3	06/27/2014	In Process	—
						02-011(c)	HPS	CAM3	06/27/2014	In Process	—
						02-011(d)	HPS	CAM3	06/27/2014	In Process	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
L018A	LA-SMA-5.52	04/28/2011	07/29/2014	10/20/2014	CAI	02-003(b)	HPS	S7[o]	In Planning	—	—
						02-007	HPS	S7	In Planning	—	—
						02-008(c)	HPS	S7	In Planning	—	—
L018B	LA-SMA-5.53	04/28/2011	In Process	—	—	02-009(a)	HPS	—	—	—	—
L018C	LA-SMA-5.54	04/28/2011	09/13/2013	11/03/2013	CAI	02-009(c)	HPS	CAM3	09/25/2014	In Process	—
L019	LA-SMA-5.91	12/01/2010	09/07/2011	10/31/2011	CAI	21-009	MPS	CAM5	07/08/2013	08/25/2014	—
						21-021	MPS	CAM5	07/08/2013	08/25/2014	—
						21-023(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012
						21-027(d)	MPS	CAM5	07/08/2013	08/25/2014	—
				08/25/2014	CAI2	21-009	MPS	S3	In Planning	—	—
						21-021	MPS	S6B[p]	In Planning	—	—
						21-023(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012
						21-027(d)	MPS	S3	In Planning	—	—
L019A	LA-SMA-5.92	12/01/2010	07/12/2013	08/27/2013	CAI	21-013(b)	MPS	CACompD	11/22/2013	n/a	11/22/2013
						21-013(g)	MPS	CACompD	11/22/2013	n/a	11/22/2013
						21-018(a)	MPS	CACompD	11/22/2013	n/a	11/22/2013
						21-021	MPS	S7	In Planning	—	—
L020	LA-SMA-6.25	12/01/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-024(d)	MPS	—	—	—	—
						21-027(c)	MPS	—	—	—	—
L021	LA-SMA-6.27	12/01/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-027(c)	MPS	—	—	—	—
L022	LA-SMA-6.3	12/16/2010	In Process	—	—	21-006(b)	MPS	—	—	—	—
L022A	LA-SMA-6.31	12/16/2010	In Process	—	—	21-027(a)	MPS	—	—	—	—
L023	LA-SMA-6.32	12/16/2010	In Process	—	—	21-021	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
L024	LA-SMA-6.34	12/16/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-022(h)	MPS	—	—	—	—
L025	LA-SMA-6.36	12/16/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-024(a)	MPS	—	—	—	—
L026	LA-SMA-6.38	12/16/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-024(c)	MPS	—	—	—	—
L027	LA-SMA-6.395	12/16/2010	09/13/2013	10/25/2013	CAI	21-021	MPS	S6B	In Planning	—	—
						21-024(j)	MPS	S3	In Planning	—	—
L028	LA-SMA-6.5	12/16/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-024(i)	HPS	—	—	—	—
L029	LA-SMA-9	04/28/2011	08/10/2014	09/17/2014	CAI	26-001	MPS	S6B	In Planning	—	—
						26-002(a)	MPS	S6B	In Planning	—	—
						26-002(b)	MPS	S6B	In Planning	—	—
						26-003	MPS	S6B	In Planning	—	—
L030	LA-SMA-10.11	12/16/2010	In Process	—	—	53-002(a)	MPS	—	—	—	—
L030A	LA-SMA-10.12	05/16/2011	09/01/2011	05/01/2012	CAI	53-008	MPS	CAM5	11/30/2012	In Process	—
D001	DP-SMA-0.3	04/28/2011	08/19/2011	05/01/2012	CAI	21-029	MPS	CAM5	07/08/2013	10/30/2013	—
				10/30/2013	CAI2	21-029	MPS	S3	In Planning	—	—
D002	DP-SMA-0.4	12/16/2010	09/13/2013	10/26/2013	CAI	21-021	MPS	S6B	In Planning	—	—
D003	DP-SMA-0.6	04/28/2011	In Process	—	—	21-021	MPS	—	—	—	—
						21-024(l)	MPS	—	—	—	—
D004	DP-SMA-1	12/16/2010	In Process	—	—	21-011(k)	MPS	—	—	—	—
						21-021	MPS	—	—	—	—
D005	DP-SMA-2	12/01/2010	In Process	—	—	21-021	MPS	—	—	—	—
						21-024(h)	MPS	—	—	—	—
D006	DP-SMA-2.35	12/16/2010	09/13/2013	10/30/2013	CAI	21-021	MPS	S6B	In Planning	—	—
						21-024(n)	MPS	S6B	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
D007	DP-SMA-3	02/11/2011	07/29/2011	05/01/2012	CAI	21-013(c)	MPS	CAM5	08/30/2012	In Process	—
						21-021	MPS	CAM5	08/30/2012	In Process	—
D008	DP-SMA-4	12/16/2010	In Process	—	—	21-021	MPS	—	—	—	—
S001	S-SMA-0.25	12/01/2010	08/15/2011	10/20/2011	CAI	03-013(a)	HPS	AltCompD[q]	04/30/2013	03/27/14	—
						03-052(f)	HPS	AltCompD	04/30/2013	03/27/14	—
				03/27/2014	CAI2	03-013(a)	HPS	S6A[r]	In Planning	—	—
						03-052(f)	HPS	S4[s]	In Planning	—	—
S002	S-SMA-1.1	05/16/2011	08/04/2011	11/02/2011	CAI	03-029	HPS	CAM3	11/27/2012	10/07/2014	—
				10/07/2014	CAI2	03-029	HPS	S3	In Planning	—	—
S003	S-SMA-2	12/01/2010	08/13/2011	10/20/2011	CAI	03-012(b)	HPS	CAM3	07/08/2013	09/10/2013	—
						03-045(b)	HPS	CAM3	07/08/2013	09/10/2013	—
						03-045(c)	HPS	CAM3	07/08/2013	09/10/2013	—
						03-056(c)	HPS	CACompD	11/29/2012	n/a	11/29/2012
				09/10/2013	CAI2	03-012(b)	HPS	FMCOC[t]	09/10/2013	—	—
						03-045(b)	HPS	AltCompA[u]	09/10/2013	—	—
						03-045(c)	HPS	AltCompA	09/10/2013	—	—
						03-056(c)	HPS	CACompD	11/29/2012	n/a	11/29/2012
S003A	S-SMA-2.01	12/16/2010	09/07/2011	11/02/2011	CAI	03-052(b)	HPS	CAM3	11/27/2012	In Process	—
S004	S-SMA-2.8	12/16/2010	In Process	—	—	03-014(c2)	MPS	—	—	—	—
S005	S-SMA-3.51	12/16/2010	In Process	—	—	03-009(i)	HPS	—	—	—	—
S005A	S-SMA-3.52	12/16/2010	In Process	—	—	03-021	HPS	—	—	—	—
S005B	S-SMA-3.53	12/16/2010	08/04/2011	04/30/2012	CAI	03-014(b2)	HPS	CAM3	05/02/2013	08/18/2014	—
				08/18/2014	CAI2	03-014(b2)	HPS	S3	In Planning	—	—
S006	S-SMA-3.6	12/01/2010	07/28/2011	10/20/2011	CAI	60-007(b)	HPS	CAM3	11/27/2012	08/13/2013	—
				08/13/2013	CAI2	60-007(b)	HPS	S3	In Planning	—	—
S007	S-SMA-3.7	12/16/2010	In Process	—	—	53-012(e)	MPS	—	—	—	—
S008	S-SMA-3.71	12/16/2010	In Process	—	—	53-001(a)	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
S009	S-SMA-3.72	12/16/2010	In Process	—	—	53-001(b)	MPS	—	—	—	—
S010	S-SMA-3.95	05/16/2011	09/13/2013	10/25/2013	CAI	20-002(a)	MPS	S6B	In Planning	—	—
S011	S-SMA-4.1	12/16/2010	09/01/2011	11/02/2011	CAI	53-014	HPS	CACompD	09/25/2012	08/16/2013	08/21/2013
S012	S-SMA-4.5	05/16/2011	In Process	—	—	20-002(d)	MPS	—	—	—	—
S013	S-SMA-5	05/16/2011	In Process	—	—	20-002(c)	HPS	—	—	—	—
S014	S-SMA-5.2	12/16/2010	In Process	—	—	20-003(c)	MPS	—	—	—	—
S015	S-SMA-5.5	05/16/2011	07/31/2014	09/11/2014	CAI	20-005	MPS	S6B	In Planning	—	—
S016	S-SMA-6	05/16/2011	08/19/2011	11/02/2011	CAI	72-001	HPS	PModRD[v]	—	—	—
C001	CDB-SMA-0.15	12/01/2010	In Process	—	—	04-003(a)	MPS	—	—	—	—
					—	04-004	MPS	—	—	—	—
C002	CDB-SMA-0.25	12/01/2010	09/01/2011	11/02/2011	CAI	46-004(c2)	MPS	CAM5	07/20/2012	10/22/2013	—
						46-004(e2)	MPS	CAM5	07/20/2012	10/22/2013	—
				10/22/2013	CAI2	46-004(c2)	MPS	S6B	In Planning	—	—
						46-004(e2)	MPS	S6B	In Planning	—	—
C003	CDB-SMA-0.55	01/12/2011	09/13/2013	10/25/2013	CAI	46-004(g)	MPS	S6B	In Planning	—	—
						46-004(m)	MPS	CACompD	11/22/2013	n/a	11/22/2013
						46-004(s)	MPS	S6B	In Planning	—	—
						46-006(f)	MPS	S6B	In Planning	—	—
C004	CDB-SMA-1	01/12/2011	09/07/2011	04/30/2012	CAI	46-003(c)	MPS	CAM5	07/30/2012	11/17/2014	—
						46-004(d2)	MPS	CAM5	07/30/2012	11/17/2014	—
						46-004(f)	MPS	CAM5	07/30/2012	11/17/2014	—
						46-004(t)	MPS	CAM5	07/30/2012	11/17/2014	—
						46-004(w)	MPS	CAM5	07/30/2012	11/17/2014	—
						46-008(g)	MPS	CAM5	07/30/2012	11/17/2014	—
						46-009(a)	MPS	CAM5	07/30/2012	11/17/2014	—
						C-46-001	MPS	CACompD	07/30/2012	n/a	11/29/2012

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
C004	CDB-SMA-1	01/12/2011	09/07/2011	11/17/2014	CAI2	46-003(c)	MPS	S7	In Planning	—	—
						46-004(d2)	MPS	S7	In Planning	—	—
						46-004(f)	MPS	S7	In Planning	—	—
						46-004(t)	MPS	S7	In Planning	—	—
						46-004(w)	MPS	S7	In Planning	—	—
						46-008(g)	MPS	S7	In Planning	—	—
						46-009(a)	MPS	S7	In Planning	—	—
						C-46-001	MPS	CACompD	07/30/2012	n/a	11/29/2012
C005	CDB-SMA-1.15	12/01/2010	In Process	—	—	46-004(b)	MPS	—	—	—	—
						46-004(y)	MPS	—	—	—	—
						46-004(z)	MPS	—	—	—	—
						46-006(d)	MPS	—	—	—	—
C006	CDB-SMA-1.35	12/01/2010	In Process	—	—	46-004(a2)	MPS	—	—	—	—
						46-004(u)	MPS	—	—	—	—
						46-004(v)	MPS	—	—	—	—
						46-004(x)	MPS	—	—	—	—
						46-006(d)	MPS	—	—	—	—
						46-008(f)	MPS	—	—	—	—
C007	CDB-SMA-1.54	12/01/2010	In Process	—	—	46-004(h)	MPS	—	—	—	—
						46-004(q)	MPS	—	—	—	—
						46-006(d)	MPS	—	—	—	—
C008	CDB-SMA-1.55	12/01/2010	In Process	—	—	46-003(e)	MPS	—	—	—	—
C009	CDB-SMA-1.65	12/01/2010	In Process	—	—	46-003(b)	MPS	—	—	—	—
C010	CDB-SMA-4	12/16/2010	07/25/2013	08/27/2013	CAI	54-017	HPS	CACompC^{w}	08/27/2014	n/a	08/27/2014
						54-018	HPS	CACompC	08/27/2014	n/a	08/27/2014
						54-020	HPS	CACompC	08/27/2014	n/a	08/27/2014

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
M001	M-SMA-1	12/01/2010	09/07/2011	11/02/2011	CAI	03-050(a)	MPS	CAM5	11/27/2012	08/13/2013	—
						03-054(e)	MPS	CAM5	11/27/2012	08/13/2013	—
				08/13/2013	CAI2	03-050(a)	MPS	S6B	In Planning	—	—
						03-054(e)	MPS	S6B	In Planning	—	—
M002	M-SMA-1.2	12/16/2010	09/13/2013	10/30/2013	CAI	03-049(a)	MPS	CAM5	09/25/2014	In Process	—
M002A	M-SMA-1.21	12/16/2010	In Process	—	—	03-049(e)	MPS	—	—	—	—
M002B	M-SMA-1.22	02/11/2011	09/15/2011	05/01/2012	CAI	03-045(h)	MPS	CAM5	05/02/2013	10/20/2014	—
				10/20/2014	CAI2	03-045(h)	MPS	S6B	In Planning	—	—
M003	M-SMA-3	05/16/2011	07/12/2013	08/13/2013	CAI	48-001	MPS	S6B	In Planning	—	—
						48-005	MPS	S7	In Planning	—	—
						48-007(c)	MPS	S6B	In Planning	—	—
M004	M-SMA-3.1	12/16/2010	In Process	—	—	48-001	MPS	—	—	—	—
						48-007(b)	MPS	—	—	—	—
M005	M-SMA-3.5	05/16/2011	In Process	—	—	48-001	MPS	—	—	—	—
						48-003	HPS	—	—	—	—
M006	M-SMA-4	12/01/2010	08/19/2011	10/31/2011	CAI	48-001	MPS	S6B	In Planning	—	—
						48-005	MPS	S6A	In Planning	—	—
						48-007(a)	MPS	CACompD	11/29/2012	n/a	11/29/2012
						48-007(d)	MPS	CACompD	11/29/2012	n/a	11/29/2012
						48-010	MPS	CACompD	11/29/2012	n/a	11/29/2012
M007	M-SMA-5	05/16/2011	In Process	—	—	42-001(a)	MPS	—	—	—	—
						42-001(b)	MPS	—	—	—	—
						42-001(c)	MPS	—	—	—	—
						42-002(a)	MPS	—	—	—	—
						42-002(b)	MPS	—	—	—	—
M008	M-SMA-6	12/16/2010	10/12/2012	11/15/2012	CAI	35-016(h)	MPS	S6B	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
M009	M-SMA-7	12/16/2010	07/07/2012	08/22/2012	CAI	35-016(g)	MPS	S6B	In Planning	—	—
M010	M-SMA-7.9	12/16/2010	09/13/2013	10/25/2013	CAI	50-006(d)	HPS	AltCompR[x]	04/21/2014	—	—
M011	M-SMA-9.1	02/11/2011	In Process	—	—	35-016(f)	MPS	—	—	—	—
M012	M-SMA-10	12/16/2010	06/30/2013	08/13/2013	CAI	35-008	MPS	S2	In Planning	—	—
					CAI	35-014(e)	MPS	S2	In Planning	—	—
M012A	M-SMA-10.01	12/16/2010	08/27/2011	11/15/2011	CAI	35-016(e)	MPS	CAM5	09/25/2012	In Process	—
M013	M-SMA-10.3	05/16/2011	07/30/2011	11/24/2011	CAI	35-014(e2)	HPS	CACompD	10/30/2013	n/a	10/30/2013
						35-016(i)	HPS	CACompD	10/30/2013	n/a	10/30/2013
M014	M-SMA-11.1	12/16/2010	In Process	—	—	35-016(o)	MPS	—	—	—	—
M015	M-SMA-12	04/28/2011	In Process	—	—	35-016(p)	MPS	—	—	—	—
M016	M-SMA-12.5	12/01/2010	In Process	—	—	05-005(b)	MPS	—	—	—	—
					—	05-006(c)	MPS	—	—	—	—
M017	M-SMA-12.6	05/16/2011	09/13/2013	10/22/2013	CAI	05-004	MPS	S3	In Planning	—	—
M018	M-SMA-12.7	12/16/2010	In Process	—	—	05-002	MPS	—	—	—	—
						05-005(a)	MPS	—	—	—	—
						05-006(b)	MPS	—	—	—	—
						05-006(e)	MPS	—	—	—	—
M019	M-SMA-12.8	12/16/2010	In Process	—	—	05-001(a)	MPS	—	—	—	—
						05-002	MPS	—	—	—	—
M020	M-SMA-12.9	12/16/2010	In Process	—	—	05-001(b)	MPS	—	—	—	—
						05-002	MPS	—	—	—	—
M021	M-SMA-12.92	12/01/2010	In Process	—	—	00-001	MPS	—	—	—	—
M022	M-SMA-13	12/16/2010	09/13/2013	—	<TAL	05-001(c)	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
T001	Pratt-SMA-1.05	12/16/2010	09/13/2013	10/30/2013	CAI	35-003(h)	HPS	CAM3	05/13/2014	In Process	—
						35-003(p)	HPS	CAM3	05/13/2014	In Process	—
						35-003(r)	HPS	CAM3	05/13/2014	In Process	—
						35-004(h)	HPS	CAM3	05/13/2014	In Process	—
						35-009(d)	HPS	CAM3	05/13/2014	In Process	—
						35-016(k)	HPS	CAM3	05/13/2014	In Process	—
						35-016(l)	HPS	CAM3	05/13/2014	In Process	—
						35-016(m)	HPS	CAM3	05/13/2014	In Process	—
T002	T-SMA-1	12/16/2010	08/15/2011	10/21/2011	CAI	50-006(a)	HPS	CAM3	05/12/2014	In Process	—
						50-009	HPS	CACompC	05/12/2014	n/a	10/31/2013
T003	T-SMA-2.5	12/16/2010	In Process	—	—	35-014(g3)	MPS	—	—	—	—
T004	T-SMA-2.85	12/16/2010	07/12/2013	08/21/2013	CAI	35-014(g)	MPS	S2	In Planning	—	—
						35-016(n)	MPS	S2	In Planning	—	—
T005	T-SMA-3	12/16/2010	09/10/2012	10/19/2012	CAI	35-016(b)	MPS	S2	In Planning	—	—
T006	T-SMA-4	12/16/2010	09/13/2013	10/25/2013	CAI	35-004(a)	MPS	BEC[y]	In Planning	—	—
						35-009(a)	MPS	BEC	In Planning	—	—
						35-016(c)	MPS	BEC	In Planning	—	—
						35-016(d)	MPS	BEC	In Planning	—	—
T007	T-SMA-5	12/16/2010	In Process	—	—	35-004(a)	MPS	—	—	—	—
						35-009(a)	MPS	—	—	—	—
						35-016(a)	MPS	—	—	—	—
						35-016(q)	MPS	—	—	—	—
T008	T-SMA-6.8	12/16/2010	07/31/2014	09/17/2014	CAI	35-010(e)	MPS	S2	In Planning	—	—
T009	T-SMA-7	12/16/2010	In Process	—	—	04-003(b)	MPS	—	—	—	—
T010	T-SMA-7.1	12/16/2010	In Process	—	—	04-001	MPS	—	—	—	—
						04-002	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
E001	2M-SMA-1	12/01/2010	08/20/2011	10/18/2011	CAI	03-010(a)	MPS	CAM5	07/20/2012	10/19/2012	—
				10/19/2012	CAI2	03-010(a)	MPS	S6B	In Planning	—	—
E002	2M-SMA-1.42	01/12/2011	09/15/2011	11/10/2011	CAI	06-001(a)	MPS	CAM5	06/27/2012	In Process	—
E003	2M-SMA-1.43	12/01/2010	07/12/2013	08/21/2013	CAI	22-014(a)	MPS	S6A	In Planning	—	—
						22-015(a)	MPS	S6B	In Planning	—	—
E004	2M-SMA-1.44	01/12/2011	08/21/2011	04/30/2012	CAI	06-001(b)	MPS	CAM5	06/27/2012	10/20/2014	—
				10/20/2014	CAI2	06-001(b)	MPS	S7	In Planning	—	—
E005	2M-SMA-1.45	01/12/2011	09/07/2011	05/01/2012	CAI	06-006	MPS	CAM5	08/20/2012	In Process	—
E006	2M-SMA-1.5	12/01/2010	In Process	—	—	22-014(b)	MPS	—	—	—	—
E007	2M-SMA-1.65	01/12/2011	08/21/2011	05/01/2012	CAI	40-005	MPS	CAM5	07/19/2012	In Process	—
E008	2M-SMA-1.67	04/28/2011	09/15/2011	—	—	06-003(h)	MPS	—	—	—	—
E009	2M-SMA-1.7	01/12/2011	09/09/2011	11/03/2011	CAI	03-055(a)	MPS	CAM5	07/27/2012	09/29/2014	—
				09/29/2014	CAI2	03-055(a)	MPS	S6B	In Planning	—	—
E010	2M-SMA-1.8	01/12/2011	09/09/2011	11/03/2011	CAI	03-001(k)	MPS	S6B	In Planning	—	—
E011	2M-SMA-1.9	01/12/2011	07/11/2012	08/23/2012	CAI	03-003(a)	MPS	S6B	In Planning	—	—
E012	2M-SMA-2	01/12/2011	07/28/2011	11/03/2011	CAI	03-050(d)	MPS	CAM5	05/02/2013	09/24/2013	—
						03-054(b)	MPS	CAM5	05/02/2013	09/24/2013	—
				09/24/2013	CAI2	03-050(d)	MPS	S6B	In Planning	—	—
						03-054(b)	MPS	S6B	In Planning	—	—
E013	2M-SMA-2.2	12/01/2010	08/13/2011	11/03/2011	CAI	03-003(k)	MPS	S6B	In Planning	—	—
E014	2M-SMA-3	01/12/2011	07/12/2013	08/16/2013	CAI	07-001(a)	MPS	S7	In Planning	—	—
						07-001(b)	MPS	S7	In Planning	—	—
						07-001(c)	MPS	S7	In Planning	—	—
						07-001(d)	MPS	S7	In Planning	—	—
E015	2M-SMA-2.5	01/12/2011	09/09/2011	—	<TAL	40-001(c)	MPS	—	—	—	—
H001	3M-SMA-0.2	12/01/2010	In Process	—	—	15-010(b)	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
H002	3M-SMA-0.4	01/12/2011	07/12/2013	08/27/2013	CAI	15-006(b)	MPS	S6B	In Planning	—	—
H003	3M-SMA-0.5	01/12/2011	07/09/2014	08/18/2014	CAI	15-006(c)	MPS	S7	In Planning	—	—
						15-009(c)	MPS	S6B	In Planning	—	—
H004	3M-SMA-0.6	01/12/2011	In Process	—	—	15-008(b)	MPS	—	—	—	—
H005	3M-SMA-2.6	04/28/2011	In Process	—	—	36-008	MPS	—	—	—	—
						C-36-003	MPS	—	—	—	—
H006	3M-SMA-4	01/12/2011	07/29/2014	10/20/2014	CAI	18-002(b)	MPS	S7	In Planning	—	—
						18-003(c)	MPS	S7	In Planning	—	—
						18-010(f)	MPS	S7	In Planning	—	—
J001	PJ-SMA-1.05	12/01/2010	09/13/2013	11/03/2013	CAI	09-013	MPS	S6B	In Planning	—	—
J002	PJ-SMA-2	12/01/2010	In Process	—	—	09-009	MPS	—	—	—	—
J003	PJ-SMA-3.05	02/11/2011	08/19/2011	04/30/2012	CAI	09-004(o)	MPS	CAM5	07/18/2012	In Process	—
J004	PJ-SMA-4.05	12/01/2010	09/13/2013	04/30/2013	CAI	09-004(g)	MPS	S6A	In Planning	—	—
J005	PJ-SMA-5	12/01/2010	10/12/2012	11/15/2012	CAI	22-015(c)	MPS	BEC	In Planning	—	—
J006	PJ-SMA-5.1	01/12/2011	09/07/2011	10/31/2011	CAI	22-010(b)	MPS	CAM5	07/18/2012	In Process	—
						22-016	MPS	CAM5	07/18/2012	In Process	—
J007	PJ-SMA-6	12/01/2010	07/08/2014	08/18/2014	CAI	40-010	MPS	S6B	In Planning	—	—
J008	PJ-SMA-7	12/01/2010	In Process	—	—	40-006(c)	MPS	—	—	—	—
J009	PJ-SMA-8	12/01/2010	In Process	—	—	40-006(b)	MPS	—	—	—	—
J010	PJ-SMA-9	12/01/2010	07/21/2014	08/04/2014	CAI	40-009	MPS	S7	In Planning	—	—
J012	PJ-SMA-10	01/12/2011	07/07/2014	08/11/2014	CAI	40-006(a)	MPS	S7	In Planning	—	—
J013	PJ-SMA-11	01/12/2011	09/13/2013	10/30/2013	CAI	40-003(a)	MPS	BEC	In Planning	—	—
J014	PJ-SMA-11.1	01/12/2011	09/13/2013	10/30/2013	CAI	40-003(b)	MPS	BEC	In Planning	—	—
J015	PJ-SMA-13	04/28/2011	In Process	—	—	18-002(a)	MPS	—	—	—	—
J016	PJ-SMA-13.7	01/12/2011	09/01/2011	05/01/2012	CAI	18-010(b)	MPS	CAM5	07/08/2013	In Process	—
J017	PJ-SMA-14	04/28/2011	In Process	—	—	54-004	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
J018	PJ-SMA-14.2	12/01/2010	In Process	—	—	18-012(b)	MPS	—	—	—	—
J019	PJ-SMA-14.3	12/01/2010	In Process	—	—	18-003(e)	MPS	—	—	—	—
J020	PJ-SMA-14.4	04/28/2011	In Process	—	—	18-010(d)	MPS	—	—	—	—
J021	PJ-SMA-14.6	12/01/2010	In Process	—	—	18-010(e)	MPS	—	—	—	—
J022	PJ-SMA-14.8	01/12/2011	07/28/2011	—	<TAL	18-012(a)	MPS	—	—	—	—
J023	PJ-SMA-16	12/01/2010	08/08/2013	—	<TAL	27-002	MPS	—	—	—	—
J024	PJ-SMA-17	12/01/2010	07/25/2013	09/05/2013	CAI	54-018	HPS	CACompC	08/27/2014	n/a	08/27/2014
J026	PJ-SMA-18	12/01/2010	07/25/2013	09/03/2013	CAI	54-014(d)	MPS	CACompC	08/28/2014	n/a	08/28/2014
				—	CAI	54-017	HPS	CACompC	08/28/2014	n/a	08/28/2014
J025	PJ-SMA-19	12/01/2010	08/08/2013	09/12/2013	CAI	54-013(b)	HPS	CACompC	08/28/2014	n/a	08/28/2014
						54-017	HPS	CACompC	08/28/2014	n/a	08/28/2014
						54-020	HPS	CACompC	08/28/2014	n/a	08/28/2014
J027	PJ-SMA-20	12/16/2010	07/29/2011	05/01/2012	CAI	54-017	HPS	CACompC	10/25/3013	n/a	10/25/2013
J028	STRM-SMA-1.05	12/01/2010	08/05/2011	11/17/2011	CAI	08-009(f)	MPS	CAM5	05/02/2013	09/10/2013	—
				09/10/2013	CAI2	08-009(f)	MPS	S6B	In Planning	—	—
J029	STRM-SMA-1.5	12/01/2010	07/11/2012	08/27/2012	CAI	08-009(d)	MPS	CAM5	07/08/2013	11/25/2014	—
				11/25/2014	CAI2	08-009(d)	MPS	S7	In Planning	—	—
J030	STRM-SMA-4.2	12/01/2010	09/09/2011	11/10/2011	CAI	09-008(b)	MPS	CAM5	08/21/2012	In Process	—
J031	STRM-SMA-5.05	12/01/2010	08/21/2011	10/31/2011	CAI	09-013	MPS	CAM5	06/27/2012	In Process	—
V001	CDV-SMA-1.2	01/12/2011	In Process	—	—	16-017(b)-99	MPS	—	—	—	—
						16-029(k)	MPS	—	—	—	—
V002	CDV-SMA-1.3	01/12/2011	09/13/2013	10/25/2013	CAI	16-017(a)-99	MPS	S3	In Planning	—	—
						16-026(m)	MPS	S3	In Planning	—	—
V003	CDV-SMA-1.4	01/12/2011	09/10/2012	10/18/2012	CAI	16-020	MPS	CAM5	05/12/2014	In Process	—
						16-026(l)	MPS	CAM5	05/12/2014	In Process	—
						16-028(c)	MPS	CAM5	05/12/2014	In Process	—
						16-030(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
V004	CDV-SMA-1.45	01/12/2011	08/21/2011	04/30/2012	CAI	16-026(i)	MPS	CAM5	07/18/2012	In Process	—
V005	CDV-SMA-1.7	01/12/2011	09/13/2013	10/25/2013	CAI	16-019	MPS	S7	In Planning	—	—
V006	CDV-SMA-2	05/16/2011	07/12/2013	08/20/2013	CAI	16-021(c)	MPS	S6B	In Planning	—	—
V007	CDV-SMA-2.3	01/12/2011	In Process	—	—	13-001	MPS	—	—	—	—
						13-002	MPS	—	—	—	—
						16-003(n)	MPS	—	—	—	—
						16-003(o)	MPS	—	—	—	—
						16-029(h)	MPS	—	—	—	—
						16-031(h)	MPS	—	—	—	—
V008	CDV-SMA-2.41	01/12/2011	08/21/2011	05/01/2012	CAI	16-018	MPS	CAM5	06/27/2014	In Process	—
V008A	CDV-SMA-2.42	01/12/2011	07/12/2013	08/26/2013	CAI	16-010(b)	MPS	S7	In Planning	—	—
V009	CDV-SMA-2.5	01/12/2011	07/26/2013	—	<TAL	16-010(c)	MPS	—	—	—	—
						16-010(d)	MPS	—	—	—	—
						16-028(a)	MPS	—	—	—	—
V009A	CDV-SMA-2.51	01/12/2011	09/13/2013	10/25/2013	CAI	16-010(i)	MPS	S6B	In Planning	—	—
V010	CDV-SMA-3	02/11/2011	08/21/2011	04/30/2012	CAI	14-009	MPS	CAM5	07/18/2012	In Process	—
V011	CDV-SMA-4	02/11/2011	In Process	—	—	14-010	MPS	—	—	—	—
V012	CDV-SMA-6.01	02/11/2011	07/31/2014	10/20/2014	CAI	14-001(g)	MPS	S7	In Planning	—	—
						14-006	MPS	S7	In Planning	—	—
V012A	CDV-SMA-6.02	02/11/2011	09/01/2011	10/31/2011	CAI	14-002(c)	MPS	CAM5	07/18/2012	In Process	—
						14-002(d)	MPS	CAM5	07/18/2012	In Process	—
						14-002(e)	MPS	CAM5	07/18/2012	In Process	—
V013	CDV-SMA-7	01/12/2011	09/13/2013	10/30/2013	CAI	15-008(d)	MPS	S7	In Planning	—	—
V014	CDV-SMA-8	01/12/2011	07/31/2014	10/07/2014	CAI	15-011(c)	MPS	S6B	In Planning	—	—
V015	CDV-SMA-8.5	01/12/2011	In Process	—	—	15-014(a)	MPS	—	—	—	—
V016	CDV-SMA-9.05	01/12/2011	In Process	—	—	15-007(b)	MPS	—	—	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
F001	F-SMA-2	01/12/2011	08/15/2011	05/01/2012	CAI	36-004(c)	MPS	CAM5	06/27/2014	09/08/2014	—
				09/08/2014	CAI2	36-004(c)	MPS	S7	In Planning	—	—
I001	PT-SMA-0.5	04/28/2011	09/01/2011	05/01/2012	CAI	15-009(e)	MPS	CAM5	11/27/2012	In Process	—
						C-15-004	MPS	CAM5	11/27/2012	In Process	—
I002	PT-SMA-1	04/28/2011	09/01/2011	04/30/2012	CAI	15-004(f)	MPS	CAM5	08/03/2012	10/07/2014	—
						15-008(a)	MPS	CAM5	08/03/2012	10/07/2014	—
				10/07/2014	CAI2	15-004(f)	MPS	S7	In Planning	—	—
						15-008(a)	MPS	S7	In Planning	—	—
I003	PT-SMA-1.7	04/28/2011	09/10/2012	10/18/2012	CAI	15-006(a)	MPS	CAM5	06/27/2014	In Process	—
I004	PT-SMA-2	04/28/2011	07/07/2014	08/11/2014	CAI	15-008(f)	MPS	S7	In Planning	—	—
						36-003(b)	MPS	S7	In Planning	—	—
						36-004(e)	MPS	S7	In Planning	—	—
I004A	PT-SMA-2.01	04/28/2011	08/18/2011	04/30/2012	CAI	C-36-001	MPS	CAM5	08/03/2012	In Process	—
						C-36-006(e)	MPS	CAM5	08/03/2012	In Process	—
I005	PT-SMA-3	12/01/2010	07/15/2014	08/25/2014	CAI	36-004(a)	MPS	S7	In Planning	—	—
						36-006	MPS	S7	In Planning	—	—
I007	PT-SMA-4.2	12/01/2010	07/02/2014	08/11/2014	CAI	36-004(d)	MPS	S7	In Planning	—	—
W001	W-SMA-1	12/01/2010	08/03/2011	11/08/2011	CAI	16-017(j)-99	MPS	CAM5	05/02/2013	08/29/2014	—
						16-026(c2)	MPS	CAM5	05/02/2013	08/29/2014	—
						16-026(v)	MPS	CAM5	05/02/2013	08/29/2014	—
				08/29/2014	CAI2	16-017(j)-99	MPS	S6B	In Planning	—	—
						16-026(c2)	MPS	S6B	In Planning	—	—
						16-026(v)	MPS	S6B	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
W002	W-SMA-1.5	01/12/2011	09/01/2011	11/08/2011	CAI	16-026(b2)	MPS	CAM5	09/25/2012	11/18/2014	—
						16-028(d)	MPS	CAM5	09/25/2012	11/18/2014	—
				11/18/2014	CAI2	16-026(b2)	MPS	S7	In Planning	—	—
						16-028(d)	MPS	S7	In Planning	—	—
W003	W-SMA-2.05	01/12/2011	08/21/2011	05/01/2012	CAI	16-028(e)	MPS	CAM5	09/25/2012	In Process	—
W004	W-SMA-3.5	01/12/2011	In Process	—	—	16-026(y)	MPS	—	—	—	—
W005	W-SMA-4.1	01/12/2011	In Process	—	—	16-003(a)	MPS	—	—	—	—
W006	W-SMA-5	01/12/2011	07/03/2012	09/18/2012	CAI	16-001(e)	MPS	S6B	In Planning	—	—
						16-003(f)	MPS	S6B	In Planning	—	—
						16-026(b)	MPS	S6B	In Planning	—	—
						16-026(c)	MPS	S6B	In Planning	—	—
						16-026(d)	MPS	S6B	In Planning	—	—
						16-026(e)	MPS	S6B	In Planning	—	—
W007	W-SMA-6	01/12/2011	In Process	—	—	11-001(c)	MPS	—	—	—	—
W008	W-SMA-7	01/12/2011	07/08/2014	08/11/2014	CAI	16-029(e)	MPS	S7	In Planning	—	—
W009	W-SMA-7.8	01/12/2011	In Process	—	—	16-031(a)	MPS	—	—	—	—
W010	W-SMA-7.9	01/12/2011	In Process	—	—	16-006(c)	MPS	—	—	—	—
W011	W-SMA-8	01/12/2011	09/12/2013	10/25/2013	CAI	16-016(g)	MPS	BEC	In Planning	—	—
						16-028(b)	MPS	BEC	In Planning	—	—
W012	W-SMA-8.7	01/12/2011	09/12/2013	10/25/2013	CAI	13-001	MPS	S6B	In Planning	—	—
						13-002	MPS	S6B	In Planning	—	—
						16-004(a)	MPS	S6B	In Planning	—	—
						16-026(j2)	MPS	S6B	In Planning	—	—
						16-029(h)	MPS	S6B	In Planning	—	—
						16-035	MPS	S6B	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
W012A	W-SMA-8.71	01/12/2011	08/21/2011	05/01/2012	CAI	16-004(c)	MPS	CAM5	11/27/2012	11/20/2014	—
				11/20/2014	CAI2	16-004(c)	MPS	S7	In Planning	—	—
W013	W-SMA-9.05	01/12/2011	09/13/2013	—	<TAL	16-030(g)	MPS	—	—	—	—
W014	W-SMA-9.5	12/01/2010	In Process	—	—	11-012(c)	MPS	—	—	—	—
W015	W-SMA-9.7	01/12/2011	09/13/2013	10/30/2013	CAI	11-011(a)	MPS	S6B	In Planning	—	—
						11-011(b)	MPS	S6B	In Planning	—	—
W016	W-SMA-9.8	01/12/2011	In Process	—	—	11-005(c)	MPS	—	—	—	—
W017	W-SMA-9.9	01/12/2011	08/21/2011	04/30/2012	CAI	11-006(b)	MPS	CAM5	06/27/2012	In Process	—
W018	W-SMA-10	01/12/2011	08/21/2011	05/01/2012	CAI	11-002	MPS	CAM5	08/23/2012	In Process	—
						11-003(b)	MPS	CAM5	08/23/2012	In Process	—
						11-005(a)	MPS	CAM5	08/23/2012	In Process	—
						11-005(b)	MPS	CAM5	08/23/2012	In Process	—
						11-006(c)	MPS	CAM5	08/23/2012	In Process	—
						11-006(d)	MPS	CAM5	08/23/2012	In Process	—
						11-011(d)	MPS	CAM5	08/23/2012	In Process	—
W019	W-SMA-11.7	01/12/2011	09/01/2011	05/01/2012	CAI	49-008(c)	MPS	CAM5	10/23/2012	In Process	—
W020	W-SMA-12.05	01/12/2011	In Process	—	—	49-001(g)	MPS	—	—	—	—
W021	W-SMA-14.1	04/28/2011	08/18/2011	10/17/2011	CAI	15-004(h)	MPS	CAM5	09/25/2012	08/25/2014	—
						15-014(l)	MPS	CAM5	09/25/2012	08/25/2014	—
				08/25/2014	CAI2	15-004(h)	MPS	S6B	In Planning	—	—
						15-014(l)	MPS	S6B	In Planning	—	—
W022	W-SMA-15.1	01/12/2011	09/01/2011	05/01/2012	CAI	49-005(a)	MPS	CAM5	10/23/2012	In Process	—
A001	A-SMA-1.1	12/01/2010	In Process	—	—	39-004(a)	MPS	—	—	—	—
						39-004(d)	MPS	—	—	—	—
A002	A-SMA-2	02/11/2011	09/12/2013	10/22/2013	CAI	39-004(b)	MPS	BEC	In Planning	—	—
						39-004(e)	MPS	BEC	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
A003	A-SMA-2.5	02/11/2011	In Process	—	—	39-010	MPS	—	—	—	—
A004	A-SMA-2.7	02/11/2011	07/24/2011	10/27/2011	CAI	39-002(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012
						39-008	MPS	CAM5	08/23/2012	In Process	—
A005	A-SMA-2.8	02/11/2011	In Process	—	—	39-001(b)	MPS	—	—	—	—
A006	A-SMA-3	12/01/2010	07/25/2013	08/29/2013	CAI	39-002(b)	MPS	S7	In Planning	—	—
					CAI	39-004(c)	MPS	S7	In Planning	—	—
A007	A-SMA-3.5	02/11/2011	07/25/2013	—	<TAL	39-006(a)	MPS	—	—	—	—
A008	A-SMA-4	02/11/2011	In Process	—	—	33-010(d)	MPS	—	—	—	—
A009	A-SMA-6	02/11/2011	08/04/2013	09/04/2013	CAI	33-004(k)	MPS	S6B	In Planning	—	—
						33-007(a)	MPS	S6B	In Planning	—	—
						33-010(a)	MPS	S6B	In Planning	—	—
Q001	CHQ-SMA-0.5	02/11/2011	07/23/2014	09/22/2014	CAI	33-004(g)	MPS	S7	In Planning	—	—
						33-007(c)	MPS	S7	In Planning	—	—
						33-009	MPS	S7	In Planning	—	—
Q002	CHQ-SMA-1.01	02/11/2011	In Process	—	—	33-002(d)	MPS	—	—	—	—
Q002A	CHQ-SMA-1.02	02/11/2011	08/21/2011	05/01/2012	CAI	33-004(h)	MPS	CAM5	10/24/2012	11/03/2013	—
						33-008(c)	MPS	CAM5	10/24/2012	11/03/2013	—
						33-011(d)	MPS	CAM5	10/24/2012	11/03/2013	—
						33-015	MPS	CAM5	10/24/2012	11/03/2013	—
				11/03/2013	CAI2	33-004(h)	MPS	BEC	In Planning	—	—
						33-008(c)	MPS	BEC	In Planning	—	—
						33-011(d)	MPS	BEC	In Planning	—	—
						33-015	MPS	BEC	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
Q002B	CHQ-SMA-1.03	02/11/2011	07/04/2012	08/27/2012	CAI	33-008(c)	MPS	CAM5	05/13/2014	In Process	—
						33-012(a)	MPS	CAM5	05/13/2014	In Process	—
						33-017	MPS	CAM5	05/13/2014	In Process	—
						C-33-001	MPS	CAM5	05/13/2014	In Process	—
						C-33-003	MPS	CAM5	05/13/2014	In Process	—
Q003	CHQ-SMA-2	02/11/2011	07/04/2012	08/27/2012	CAI	33-004(d)	MPS	S6B	In Planning	—	—
						33-007(c)	MPS	S6B	In Planning	—	—
						C-33-003	MPS	S6B	In Planning	—	—
Q004	CHQ-SMA-3.05	02/11/2011	09/10/2013	10/23/2013	CAI	33-010(f)	MPS	S7	In Planning	—	—
Q005	CHQ-SMA-4	02/11/2011	In Process	—	—	33-011(e)	MPS	—	—	—	—
Q006	CHQ-SMA-4.1	02/11/2011	09/13/2013	10/22/2013	CAI	33-016	MPS	S6B	In Planning	—	—
Q007	CHQ-SMA-4.5	02/11/2011	07/25/2013	09/05/2013	CAI	33-011(b)	MPS	S6B	In Planning	—	—
Q008	CHQ-SMA-5.05	12/01/2010	In Process	—	—	33-007(b)	MPS	—	—	—	—
Q009	CHQ-SMA-6	02/11/2011	07/25/2013	08/29/2013	CAI	33-004(j)	MPS	S7	In Planning	—	—
						33-006(a)	MPS	S7	In Planning	—	—
						33-007(b)	MPS	S7	In Planning	—	—
						33-010(c)	MPS	S7	In Planning	—	—
						33-010(g)	MPS	S7	In Planning	—	—
						33-010(h)	MPS	S7	In Planning	—	—
						33-014	MPS	S7	In Planning	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Certify Baseline Controls	Completion of Baseline Monitoring	Initiation of Corrective Action	Stage Initiating Corrective Action	Site Number	Priority	Corrective Action Response	Corrective Action Certification	Completion of Enhanced Control Monitoring	Completion of Corrective Action
Q010	CHQ-SMA-7.1	02/11/2011	In Process	—	—	33-010(g)	MPS	—	—	—	—

[a] CAI = Corrective action is initiated after a TAL exceedance is observed during baseline monitoring.

[b] MPS = Moderate Priority Site.

[c] CACompD = Corrective action is complete under the Permit with a certificate of completion under NMED's Consent Order.

[d] n/a = Not applicable.

[e] S3 = Permit screening process for corrective action recommendation: Certificate of completion recommended.

[f] — = Corrective action has not been initiated.

[g] CAM5 = Monitoring following installation of enhanced control measures at SMAs associated with Moderate Priority Sites.

[h] <TAL = All baseline confirmation monitoring results are less than TALs. No further monitoring is required.

[i] S2 = Permit screening process for corrective action recommendation: Certificate of completion requested.

[j] HPS = High Priority Site.

[k] S1 = Permit screening process for corrective action recommendation: Certificate of completion received.

[l] CAI2 = Corrective action is re-initiated after a TAL exceedance is observed during monitoring following installation of enhanced control measures.

[m] S4a = Permit screening process for corrective action recommendation: Certificate of completion eligible after an investigation report.

[n] CAM3 = Monitoring following installation of enhanced control measures at SMAs associated with High Priority Sites.

[o] S7 = Permit screening process for corrective action recommendation: Alternatives analysis is being performed to determine appropriate control to achieve corrective action.

[p] S6B = Permit screening process for corrective action recommendation: Submit alternative compliance request to EPA.

[q] AltCompD = Alternative compliance request denied.

[r] S6A = Permit screening process for corrective action recommendation: Submit certification of no exposure to EPA.

[s] S4 = Permit screening process for corrective action recommendation: Certificate of completion eligible after a supplemental investigation report is submitted to NMED.

[t] FMCOC = Request for an extension resulting from force majeure event. NMED approval of supplemental investigation report and certificates of completion required.

[u] AltCompA = Alternative compliance request approved.

[v] PModRD = Permit modification requested and response deferred.

[w] CACompC = Corrective action is complete under the Permit with a certification of no exposure.

[x] AltCompR = Alternative compliance request requested.

[y] BEC = Alternatives analysis has determined the corrective action plan is to build enhanced controls.

Table 8-4
Summary of Site Corrective Actions Planned

Permitted Feature	SMA	Initiation of Corrective Action	Stage Initiating Corrective Action	Site	Priority	Corrective Action Response
R002	R-SMA-1	10/13/2011	CAI[a]	C-00-041	MPS[b]	S3[c]
B001	B-SMA-0.5	10/30/2013	CAI	10-001(a)	MPS	S3
				10-001(b)	MPS	S3
				10-001(c)	MPS	S3
				10-001(d)	MPS	S3
				10-004(a)	MPS	S3
				10-004(b)	MPS	S3
				10-008	MPS	S3
				10-009	MPS	S3
P002	ACID-SMA-2	11/03/2011	CAI	01-002(b)-00	MPS	S2[d]
P003	ACID-SMA-2.1	09/07/2012	CAI	01-002(b)-00	MPS	S2
P006	P-SMA-2	10/14/2014	CAI	73-002	MPS	S1[e]
				73-006	MPS	S1
P009	P-SMA-3.05	10/22/2013	CAI	00-018(a)	HPS[f]	S1
L001	LA-SMA-0.85	07/24/2013	CAI2[g]	03-055(c)	MPS	S6B[h]
L003	LA-SMA-1	10/08/2014	CAI2	00-017	MPS	S4a[i]
				C-00-044	MPS	S4a
L005	LA-SMA-1.25	11/15/2012	CAI2	C-43-001	MPS	S6B
L010	LA-SMA-4.1	11/08/2011	CAI	01-003(b)	MPS	S6B
			CAI	01-006(b)	MPS	S6B
L014	LA-SMA-5.35	08/19/2014	CAI2	C-41-004	MPS	S6B
L018A	LA-SMA-5.52	10/20/2014	CAI	02-003(b)	HPS	S7[j]
				02-007	HPS	S7
				02-008(c)	HPS	S7
L019	LA-SMA-5.91	08/25/2014	CAI2	21-009	MPS	S3
				21-021	MPS	S6B
				21-027(d)	MPS	S3
L019A	LA-SMA-5.92	08/27/2014	CAI	21-021	MPS	S7
L027	LA-SMA-6.395	10/25/2013	CAI	21-021	MPS	S6B
				21-024(j)	MPS	S3
L029	LA-SMA-9	09/17/2014	CAI	26-001	MPS	S6B
				26-002(a)	MPS	S6B
				26-002(b)	MPS	S6B
				26-003	MPS	S6B
D001	DP-SMA-0.3	10/30/2013	CAI2	21-029	MPS	S3

Table 8-4 (continued)

Permitted Feature	SMA	Initiation of Corrective Action	Stage Initiating Corrective Action	Site	Priority	Corrective Action Response
D002	DP-SMA-0.4	10/26/2013	CAI	21-021	MPS	S6B
D006	DP-SMA-2.35	10/30/2013	CAI	21-021	MPS	S6B
				21-024(n)	MPS	S6B
S001	S-SMA-0.25	03/27/2014	CAI2	03-013(a)	HPS	S6A[k]
				03-052(f)	HPS	S4[l]
S002	S-SMA-1.1	10/07/2014	CAI2	03-029	HPS	S3
S005B	S-SMA-3.53	08/18/2014	CAI2	03-014(b2)	HPS	S3
S006	S-SMA-3.6	08/13/2013	CAI2	60-007(b)	HPS	S3
S010	S-SMA-3.95	10/25/2013	CAI	20-002(a)	MPS	S6B
S015	S-SMA-5.5	09/11/2014	CAI	20-005	MPS	S6B
S016	S-SMA-6	11/02/2011	CAI	72-001	HPS	PModRD[m]
C002	CDB-SMA-0.25	10/22/2013	CAI2	46-004(c2)	MPS	S6B
				46-004(e2)	MPS	S6B
C003	CDB-SMA-0.55	10/25/2013	CAI	46-004(g)	MPS	S6B
				46-004(s)	MPS	S6B
				46-006(f)	MPS	S6B
C004	CDB-SMA-1	11/17/2014	CAI2	46-003(c)	MPS	S7
				46-004(d2)	MPS	S7
				46-004(f)	MPS	S7
				46-004(t)	MPS	S7
				46-004(w)	MPS	S7
				46-008(g)	MPS	S7
				46-009(a)	MPS	S7
M001	M-SMA-1	08/13/2013	CAI2	03-050(a)	MPS	S6B
				03-054(e)	MPS	S6B
M002B	M-SMA-1.22	10/20/2014	CAI2	03-045(h)	MPS	S6B
M003	M-SMA-3	08/13/2013	CAI	48-001	MPS	S6B
				48-005	MPS	S7
				48-007(c)	MPS	S6B
M006	M-SMA-4	10/31/2011	CAI	48-001	MPS	S6B
				48-005	MPS	S6A
M008	M-SMA-6	11/15/2012	CAI	35-016(h)	MPS	S6B
M009	M-SMA-7	08/22/2012	CAI	35-016(g)	MPS	S6B
M012	M-SMA-10	08/13/2013	CAI	35-008	MPS	S2
			CAI	35-014(e)	MPS	S2
M017	M-SMA-12.6	10/22/2013	CAI	05-004	MPS	S3

Table 8-4 (continued)

Permitted Feature	SMA	Initiation of Corrective Action	Stage Initiating Corrective Action	Site	Priority	Corrective Action Response
T004	T-SMA-2.85	08/21/2013	CAI	35-014(g)	MPS	S2
				35-016(n)	MPS	S2
T005	T-SMA-3	10/19/2012	CAI	35-016(b)	MPS	S2
T006	T-SMA-4	10/25/2013	CAI	35-004(a)	MPS	BEC[n]
				35-009(a)	MPS	BEC
				35-016(c)	MPS	BEC
				35-016(d)	MPS	BEC
T008	T-SMA-6.8	09/17/2014	CAI	35-010(e)	MPS	S2
E001	2M-SMA-1	10/19/2012	CAI2	03-010(a)	MPS	S6B
E003	2M-SMA-1.43	08/21/2013	CAI	22-014(a)	MPS	S6A
				22-015(a)	MPS	S6B
E004	2M-SMA-1.44	10/20/2014	CAI2	06-001(b)	MPS	S7
E009	2M-SMA-1.7	09/29/2014	CAI2	03-055(a)	MPS	S6B
E010	2M-SMA-1.8	11/03/2011	CAI	03-001(k)	MPS	S6B
E011	2M-SMA-1.9	08/23/2012	CAI	03-003(a)	MPS	S6B
E012	2M-SMA-2.2	09/24/2013	CAI2	03-050(d)	MPS	S6B
				03-054(b)	MPS	S6B
E013	2M-SMA-2.2	11/03/2011	CAI	03-003(k)	MPS	S6B
E014	2M-SMA-3	08/16/2013	CAI	07-001(a)	MPS	S7
				07-001(b)	MPS	S7
				07-001(c)	MPS	S7
				07-001(d)	MPS	S7
H002	3M-SMA-0.4	08/27/2013	CAI	15-006(b)	MPS	S6B
H003	3M-SMA-0.5	08/18/2014	CAI	15-006(c)	MPS	S7
				15-009(c)	MPS	S6B
H006	3M-SMA-4	10/20/2014	CAI	18-002(b)	MPS	S7
				18-003(c)	MPS	S7
				18-010(f)	MPS	S7
J001	PJ-SMA-1.05	11/03/2013	CAI	09-013	MPS	S6B
J004	PJ-SMA-4.05	04/30/2013	CAI	09-004(g)	MPS	S6A
J005	PJ-SMA-5	11/15/2012	CAI	22-015(c)	MPS	BEC
J007	PJ-SMA-6	08/18/2014	CAI	40-010	MPS	S6B
J010	PJ-SMA-9	08/04/2014	CAI	40-009	MPS	S7
J012	PJ-SMA-10	08/11/2014	CAI	40-006(a)	MPS	S7
J013	PJ-SMA-11	10/30/2013	CAI	40-003(a)	MPS	BEC
J014	PJ-SMA-11.1	10/30/2013	CAI	40-003(b)	MPS	BEC

Table 8-4 (continued)

Permitted Feature	SMA	Initiation of Corrective Action	Stage Initiating Corrective Action	Site	Priority	Corrective Action Response
J028	STRM-SMA-1.05	09/10/2013	CAI2	08-009(f)	MPS	S6B
J029	STRM-SMA-1.5	11/25/2014	CAI2	08-009(d)	MPS	S7
V002	CDV-SMA-1.3	10/25/2013	CAI	16-017(a)-99	MPS	S3
				16-026(m)	MPS	S3
V005	CDV-SMA-1.7	10/25/2013	CAI	16-019	MPS	S7
V006	CDV-SMA-2	08/20/2013	CAI	16-021(c)	MPS	S6B
V008A	CDV-SMA-2.42	08/26/2013	CAI	16-010(b)	MPS	S7
V009A	CDV-SMA-2.51	10/25/2013	CAI	16-010(i)	MPS	S6B
V012	CDV-SMA-6.01	10/20/2014	CAI	14-001(g)	MPS	S7
				14-006	MPS	S7
V013	CDV-SMA-7	10/30/2013	CAI	15-008(d)	MPS	S7
V014	CDV-SMA-8	10/07/2014	CAI	15-011(c)	MPS	S6B
F001	F-SMA-2	09/08/2014	CAI2	36-004(c)	MPS	S7
I002	PT-SMA-1	10/07/2014	CAI2	15-004(f)	MPS	S7
				15-008(a)	MPS	S7
I004	PT-SMA-2	08/11/2014	CAI	15-008(f)	MPS	S7
				36-003(b)	MPS	S7
				36-004(e)	MPS	S7
I005	PT-SMA-3	08/25/2014	CAI	36-004(a)	MPS	S7
				36-006	MPS	S7
I007	PT-SMA-4.2	08/11/2014	CAI	36-004(d)	MPS	S7
W001	W-SMA-1	08/29/2014	CAI2	16-017(j)-99	MPS	S6B
				16-026(c2)	MPS	S6B
				16-026(v)	MPS	S6B
W002	W-SMA-1.5	11/18/2014	CAI2	16-026(b2)	MPS	S7
				16-028(d)	MPS	S7
W006	W-SMA-5	09/18/2012	CAI	16-001(e)	MPS	S6B
				16-003(f)	MPS	S6B
				16-026(b)	MPS	S6B
				16-026(c)	MPS	S6B
				16-026(d)	MPS	S6B
				16-026(e)	MPS	S6B
W008	W-SMA-7	08/11/2014	CAI	16-029(e)	MPS	S7
W011	W-SMA-8	10/25/2013	CAI	16-016(g)	MPS	BEC
				16-028(b)	MPS	BEC

Table 8-4 (continued)

Permitted Feature	SMA	Initiation of Corrective Action	Stage Initiating Corrective Action	Site	Priority	Corrective Action Response
W012	W-SMA-8.7	10/25/2013	CAI	13-001	MPS	S6B
				13-002	MPS	S6B
				16-004(a)	MPS	S6B
				16-026(j2)	MPS	S6B
				16-029(h)	MPS	S6B
				16-035	MPS	S6B
W012A	W-SMA-8.71	11/20/2014	CAI2	16-004(c)	MPS	S7
W015	W-SMA-9.7	10/30/2013	CAI	11-011(a)	MPS	S6B
				11-011(b)	MPS	S6B
W021	W-SMA-14.1	08/25/2014	CAI2	15-004(h)	MPS	S6B
				15-014(l)	MPS	S6B
A002	A-SMA-2	10/22/2013	CAI	39-004(b)	MPS	BEC
				39-004(e)	MPS	BEC
A006	A-SMA-3	08/29/2013	CAI	39-002(b)	MPS	S7
			CAI	39-004(c)	MPS	S7
A009	A-SMA-6	09/04/2013	CAI	33-004(k)	MPS	S6B
				33-007(a)	MPS	S6B
				33-010(a)	MPS	S6B
Q001	CHQ-SMA-0.5	09/22/2014	CAI	33-004(g)	MPS	S7
				33-007(c)	MPS	S7
				33-009	MPS	S7
Q002A	CHQ-SMA-1.02	11/03/2013	CAI2	33-004(h)	MPS	BEC
				33-008(c)	MPS	BEC
				33-011(d)	MPS	BEC
				33-015	MPS	BEC
Q003	CHQ-SMA-2	08/27/2012	CAI	33-004(d)	MPS	S6B
				33-007(c)	MPS	S6B
				C-33-003	MPS	S6B
Q004	CHQ-SMA-3.05	10/23/2013	CAI	33-010(f)	MPS	S7
Q006	CHQ-SMA-4.1	10/22/2013	CAI	33-016	MPS	S6B
Q007	CHQ-SMA-4.5	09/05/2013	CAI	33-011(b)	MPS	S6B

Table 8-4 (continued)

Permitted Feature	SMA	Initiation of Corrective Action	Stage Initiating Corrective Action	Site	Priority	Corrective Action Response
Q009	CHQ-SMA-6	08/29/2013	CAI	33-004(j)	MPS	S7
				33-006(a)	MPS	S7
				33-007(b)	MPS	S7
				33-010(c)	MPS	S7
				33-010(g)	MPS	S7
				33-010(h)	MPS	S7
				33-014	MPS	S7

[a] CAI = Corrective action is initiated after a TAL exceedance is observed during baseline monitoring.

[b] MPS = Moderate Priority Site.

[c] S3 = Permit screening process for corrective action recommendation: Certificate of completion recommended.

[d] S2 = Permit screening process for corrective action recommendation: Certificate of completion requested.

[e] S1 = Permit screening process for corrective action recommendation: Certificate of completion received.

[f] HPS = High Priority Site.

[g] CAI2 = Corrective action is re-initiated after a TAL exceedance is observed during monitoring following installation of enhanced control measures.

[h] S6B = Permit screening process for corrective action recommendation: Submit alternative compliance request to EPA.

[i] S4a = Permit screening process for corrective action recommendation: Certificate of completion eligible after an investigation report.

[j] S7 = Permit screening process for corrective action recommendation: Alternatives analysis is being performed to determine appropriate control to achieve corrective action.

[k] S6A = Permit screening process for corrective action recommendation: Submit certification of no exposure to EPA.

[l] S4 = Permit screening process for corrective action recommendation: Certificate of completion eligible after a supplemental investigation report is submitted to NMED.

[m] PModRD = Permit modification requested and response deferred.

[n] BEC = Corrective action planned is to build enhanced controls.

Appendix A

Acronyms and Abbreviations,
Glossary, and Metric Conversion Table

A-1.0 ACRONYMS AND ABBREVIATIONS

AOC	area of concern
ATAL	average target action level
BCM	baseline control measure
BHC	benzene hexachloride
BMP	best management practice
CFR	Code of Federal Regulations
CoC	certificate of completion
COC	chain of custody
Consent Order	Compliance Order on Consent
DER	duplicate error ratio
DDT	dichlorodiphenyltrichloroethane
DOE	Department of Energy (U.S.)
EC	erosion control
EIM	Environmental Information Management
EISA	Energy Independence and Security Act of 2007
EPA	Environmental Protection Agency (U.S.)
F	filtered
HPS	High Priority Site
Individual Permit	National Pollutant Discharge Elimination System Permit No. NM0030759
LANL	Los Alamos National Laboratory
LANS	Los Alamos National Security, LLC
MDC	minimum detectable concentration
MDL	method detection limit
MPS	Moderate Priority Site
MQL	maximum quantitation limit
MTAL	maximum target action level
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMED-SWQB	NMED–Storm Water Quality Bureau
NPDES	National Pollutant Discharge Elimination System
PCB	polychlorinated biphenyl
Permit	NPDES Permit No. NM0030759

PPT	Pollution Prevention Team
PQL	practical quantitation limit
RCRA	Resource Conservation and Recovery Act
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RER	relative error ratio
ROFF	runoff (control)
RON	run-on (control)
SC	sediment control
SDPPP	Site Discharge Pollution Prevention Plan
SMA	site monitoring area
SSL	soil screening level
SWMU	solid waste management unit
TAL	target action level
TCDD	tetrachlorodibenzo-p-dioxin(2,3,7,8-)
TPU	total propagated uncertainty
UF	unfiltered

A-2.0 GLOSSARY

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 TAL, 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:

- Analytical results from enhanced control monitoring show pollutant concentrations for all pollutants of concern at the Site to be at or below applicable TALs; or
- Control measures that totally retain and prevent the discharge of storm water have been installed at the Site; or

- Control measures that totally eliminate exposure of pollutants to storm water have been installed at the Site; or
- The Site has achieved RCRA "no further action" status or a Certificate of Completion from NMED.

A-3.0 METRIC CONVERSION TABLE

Multiply SI (Metric) Unit	by	To Obtain U.S. Customary Unit
kilometers (km)	0.622	miles (mi)
kilometers (km)	3281	feet (ft)
meters (m)	3.281	feet (ft)
meters (m)	39.37	inches (in.)
centimeters (cm)	0.03281	feet (ft)
centimeters (cm)	0.394	inches (in.)
millimeters (mm)	0.0394	inches (in.)
micrometers or microns (µm)	0.0000394	inches (in.)
square kilometers (km^2)	0.3861	square miles (mi^2)
hectares (ha)	2.5	acres
square meters (m^2)	10.764	square feet (ft^2)
cubic meters (m^3)	35.31	cubic feet (ft^3)
kilograms (kg)	2.2046	pounds (lb)
grams (g)	0.0353	ounces (oz)
grams per cubic centimeter (g/cm^3)	62.422	pounds per cubic foot (lb/ft^3)
milligrams per kilogram (mg/kg)	1	parts per million (ppm)
micrograms per gram (µg/g)	1	parts per million (ppm)
liters (L)	0.26	gallons (gal.)
milligrams per liter (mg/L)	1	parts per million (ppm)
degrees Celsius (°C)	9/5 + 32	degrees Fahrenheit (°F)

Appendix B

Analytical Monitoring Results

PART I. OVERVIEW

Part I.H.2(c) of the National Pollutant Discharge Elimination System Permit No. NM0030759 (hereafter, the Individual Permit or the Permit) issued to Los Alamos National Laboratory (LANL or the Laboratory) requires that the annual report for activities performed under the Permit provides monitoring results available during the reporting period. The validated analytical results for the Permit compliance monitoring samples collected by the Laboratory in 2014 are presented in Part I.

The results for metals, general inorganics, radioactivity, total polychlorinated biphenyls (PCBs), semivolatile organic analytes, and high explosives are provided in separate tables in Part II of this appendix. All analytical results for the Permit storm water monitoring samples are available electronically in the Intellus NM database, available at http://intellusnm.com/.

Sampler Operations

Monitoring was initiated at 289 site monitoring areas (SMAs) by the activation of samplers beginning on March 11, 2014. All samplers were deactivated as of December 5, 2014. Samplers were activated throughout the year as enhanced control measures were certified. Samplers were deactivated during the year as sampling requirements were fulfilled. The samplers at the remaining SMAs were deactivated in November because of the arrival of freezing temperatures. The Permit does not allow snowmelt runoff samples to be collected for confirmation purposes.

Section 7 of this annual report describes samplers that were relocated at SMAs during calendar year 2014.

Sample Analysis

Part III.C.5(a) of the Permit states that monitoring must be conducted according to test procedures approved at Title 40 Code of Federal Regulations (CFR) Part 136 unless other test procedures have been specified in the Permit or approved by the U.S. Environmental Protection Agency (EPA) regional administrator. The following considerations apply in planning sample collection and preparing the monitoring data set for reporting.

- To determine the activity of the sum of the radium isotopes Ra-226 + Ra-228, the analytical laboratory measures each isotope separately and then sums the individual results. The result returned by the analytical laboratory is the activity of radium-226 + radium-228, expressed as picocuries per liter (pCi/L).
- The State of New Mexico Standards for Interstate and Intrastate Surface Water (New Mexico Administrative Code [NMAC] 20.6.4, effective December 2010) contain numeric criteria for the protection of surface waters that have a designated use of Livestock Watering, including a standard for "Adjusted Gross Alpha," where

  > **Adjusted gross alpha** means the total radioactivity due to alpha particle emission as inferred from measurements on a dry sample, including radium-226, but excluding radon-222 and uranium. Also excluded are source, special nuclear and by-product material as defined by the Atomic Energy Act of 1954 (NMAC 20.6.4.7.B).

- The analytical laboratory measures and reports the gross-alpha radioactivity. The Permittees, Los Alamos National Security, LLC, and the U.S. Department of Energy, collectively, have elected not to adjust the reported gross-alpha result for the 2014 baseline confirmation monitoring results.

- The results reported for total PCBs are calculated from the sum of detected PCB congeners measured using EPA Method 1668. Supporting documentation for the calculation of the total PCBs result is provided in Attachment 2 to this Annual Report, as required by Appendix C of the Permit.

Data Analysis

Upon receipt from the analytical laboratory, storm water analytical results undergo automatic data validation by the Environmental Information Management (EIM) database. Data validation is used to determine whether the analytical data results received from the analytical laboratory were generated according to contractual specifications and contain the information necessary to determine if the data are sufficient for decision-making. Analytical data validation procedures are concerned with determining whether individual results should be qualified because of the potential impact of flaws in the data quality on the decision-making process.

Data qualifiers (letter codes attached to data results) are used in the data validation process to designate potential deficiencies associated with individual sample results. The data validation qualifier flags used for reporting the storm water data are defined in Table B-1. Analytical results that have been qualified as rejected ("R" flag) because of serious noncompliance with quality control acceptance criteria are not used for confirmation purposes. Table B-2 provides the data validation summary for the complete Permit compliance data set.

The validated analytical monitoring results from compliance samples are compared with the applicable target action levels (TALs) or with the applicable minimum quantification limit (MQL) value, whichever is greater, established in Part I.C of the Permit. The pollutant-specific maximum TAL (MTAL), average TAL (ATAL), and MQL values are listed in Table B-3.

- Individual sample results are compared with the applicable MTAL, if available, or the applicable MQL, whichever is greater.
- For comparison with the ATAL values, the average result from two or more samples may be used. Part II.D of the Permit defines the average as the geometric mean of applicable monitoring results at the SMA.
    - ❖ If all analytical results are below analytical method detect level, a value of zero (0) may be reported. If one or more data are above detect level, a value of one-half of the detect level shall be assigned to those below detect level for calculation purpose.
    - ❖ If the average value of a specific pollutant is below its MQL, a value of zero (0) may be reported for the average.
    - ❖ Further, if a new or an enhanced control measure is installed, the average is calculated based on analytical results from samples taken after the control measure is installed.
- In Part I.C of the Permit, note 1 to the table of pollutant-specific TAL and MQL values states that if an individual analytical test result is smaller than the MQL listed, a value of zero (0) or "ND" (not detected) may be used for reporting and action purpose. Four pollutants do not have a Permit-specified MQL value: radium-226 + radium-228; gross-alpha radiation; RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine); and 2,4,6-trinitrotoluene. For these four pollutants that do not have a specified MQL value, individual results that are less than the laboratory reporting level are reported as "<."

Table B-1
Data Qualifier Definitions

Code	Description
LANL Data Qualifier Definitions	
*	(Inorganic)–Duplicate Analysis (relative percent difference) not within control limits.
B	(Inorganic)–Reported value was obtained from a reading that was less than the contract-required detection limit but greater than or equal to the instrument detection limit. (Organic)–Analyte present in the blank and the sample.
D	The result for this analyte was reported from a dilution.
E	(Inorganic)–The serial dilution range was exceeded. (Organic)–Analyte exceeded the calibration concentration range.
H	The required extraction or analysis holding time for this result was exceeded.
J	(Inorganic)–The associated numerical value is an estimated quantity. (Organic)–The associated numerical value is an estimated quantity.
N	(Inorganic)–Spiked sample recovery not within control limits.
P	(Organic)–Percent difference between the results on the two columns during the analysis differed by more than 40%.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
UJ	Material was analyzed for but not detected. (Inorganic)–Value is an estimate. (Organic)–Quantitation limit is an estimate.
UN	(Inorganic)–Compound was analyzed for but was not detected, and spiked sample recovery not within control limits.
X	Laboratory suspects result is a nondetect despite positive quantification results.
LANL Validation Qualifier Definitions	
J	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual.
J+	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
J-	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
R	The reported sample result is classified as rejected due to serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.
I	(PCBs)–The calculated sums are considered incomplete due to lack of one or more congener results.

Table B-2
Data Validation Summary

SMA	Sample Date	Suite	Method	Validation Qual	Validation Reason Code	Explanation	Chain of Custody	Sample	Analyte
2M-SMA-1.7	7/8/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the practical quantitation limit (PQL) but greater than the method detection limit (MDL).	2014-3880	WT_IPC-14-55933	Magnesium
3M-SMA-0.5	7/9/2014	High Explosives	SW-846:8321A_MOD	UJ	HE9	The holding time was >1 and ≤2 times the applicable holding time requirement.	2014-3809	WT_IPC-14-76522	RDX, Trinitrotoluene[2,4,6-]
		Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-76521	Boron, Vanadium
			EPA:200.8						Nickel
			EPA:245.2					WT_IPC-14-76522	Mercury
3M-SMA-4	7/29/2014	High Explosives	SW-846:8321A_MOD	R	HE9a	The extraction/analytical holding time was exceeded by >2 times the published method for holding times.	2014-4259	WT_IPC-14-55990	RDX, Trinitrotoluene[2,4,6-]
		Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55909	Boron, Cobalt, Vanadium
			EPA:200.8					WT_IPC-14-55909	Nickel
CDV-SMA-6.01	7/31/2014	High Explosives	SW-846:8321A_MOD	J	HE9	The holding time was >1 and ≤2 times the applicable holding time requirement.	2014-4259	WT_IPC-14-55983	RDX
				UJ	HE9	The holding time was >1 and ≤2 times the applicable holding time requirement.			Trinitrotoluene[2,4,6-]
		Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55864	Cobalt, Vanadium
			EPA:200.8						Lead, Nickel
CDV-SMA-8	7/31/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4217	WT_IPC-14-55822	Cobalt, Vanadium, Zinc
			EPA:200.8						Lead, Nickel
			EPA:245.2					WT_IPC-14-56095	Mercury
CHQ-SMA-0.5	7/23/2014	Metals	EPA:200.7	J	I4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.	2014-4017	WT_IPC-14-55867	Calcium
				J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.			Vanadium
			EPA:200.8	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.			Nickel
F-SMA-2	7/15/2014	Radionuclides	EPA:900	J	R10	Associated duplicate sample has duplicate error ratio (DER) or relative error ratio (RER) greater than the analytical laboratory's acceptance limits.	2014-3914	WT_IPC-14-81184	Gross alpha
LA-SMA-1	9/13/2013	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2013-2098	WT_IPC-13-32488	Boron, Cobalt, Vanadium, Zinc
			EPA:200.8					WT_IPC-13-32488 WT_IPC-13-32154	Chromium, Nickel, Selenium
	7/29/2014	Metals	EPA:200.8				2014-4217	WT_IPC-14-56019	Selenium
		Radionuclides	EPA:904	U	R5	Analyte is not detected because the amount reported is less than the minimum detectable concentration (MDC).	2014-4217	WT_IPC-14-56019	Radium-228
			Calculation						Radium-226 and Radium-228
LA-SMA-5.35	7/19/2014	Radionuclides	EPA:900	J	R10	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3 times the 1 sigma total propagated uncertainty (TPU).	2014-4299	WT_IPC-14-56107	Gross alpha

Table B-2 (continued)

SMA	Sample Date	Suite	Method	Validation Qual	Validation Reason Code	Explanation	Chain of Custody	Sample	Analyte
LA-SMA-5.52	7/29/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4259	WT_IPC-14-55873	Boron, Cobalt, Vanadium, Zinc
			EPA:200.8					WT_IPC-14-55873 WT_IPC-14-56032	Antimony, Lead, Nickel, Selenium
		Radionuclides	EPA:904	U	R5	Analyte is not detected because the amount reported is less than the MDC.		WT_IPC-14-56032	Radium-228
LA-SMA-9	8/10/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4356	WT_IPC-14-55827	Boron, Vanadium
			EPA:200.8					WT_IPC-14-55827 WT_IPC-14-56054	Antimony, Lead, Nickel, Selenium
		Radionuclides	EPA:904	U	R5	Analyte is not detected because the amount reported is less than the MDC.		WT_IPC-14-56054	Radium-228
PJ-SMA-10	7/7/2014	High Explosives	SW-846:8321A_MOD	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3736	WT_IPC-14-56002	RDX
		Metals	EPA:200.7					WT_IPC-14-55838	Vanadium
			EPA:200.8						Cadmium, Nickel
PJ-SMA-6	7/8/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3890	WT_IPC-14-55841	Boron, Vanadium, Zinc
			EPA:200.8						Nickel
			EPA:245.2					WT_IPC-14-56104	Mercury
PJ-SMA-9	6/21/2014	High Explosives	SW-846:8321A_MOD	UJ	HE9	The holding time was >1 and ≤2 times the applicable holding time requirement.	2014-3623	WT_IPC-14-56003	RDX, Trinitrotoluene[2,4,6-]
		Metals	EPA:200.7	J	I4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.		WT_IPC-14-55842	Sodium
			EPA:200.8		J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55842	Cobalt, Vanadium
			EPA:245.2						Nickel
								WT_IPC-14-56003	Mercury
		Radionuclides	EPA:900		R10	Associated duplicate sample has DER or RER greater than the analytical laboratory's acceptance limits.		WT_IPC-14-56003	Gross alpha
			EPA:904	U	R5	Analyte is not detected because the amount reported is less than the MDC.			Radium-228
			Calculation						Radium-226 and Radium-228
P-SMA-2	9/5/2014	Cyanide	ASTM:D2036	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4542	WT_IPC-14-56012	Cyanide, weak acid dissociable
		Metals	EPA:200.7					WT_IPC-14-55836	Boron, Cobalt, Vanadium
			EPA:200.7	U	I4	The sample result is ≤5 times the concentration of related analyte in the method blank.		WT_IPC-14-55836	Sodium, Zinc
			EPA:200.8	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55836 WT_IPC-14-56012	Nickel, Selenium

Table B-2 (continued)

SMA	Sample Date	Suite	Method	Validation Qual	Validation Reason Code	Explanation	Chain of Custody	Sample	Analyte
PT-SMA-1	7/9/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3766	WT_IPC-14-55946	Boron, Cobalt, Vanadium, Zinc
			EPA:200.8						Lead, Nickel
			EPA:245.2					WT_IPC-14-55973	Mercury
		Radionuclides	Calculation	U	R11	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3 times the 1 sigma TPU.		WT_IPC-14-55973	Radium-226 and Radium-228
		Semivolatile Organic Analytes	EPA:625	UJ	SV3a	The surrogate is less than the lower acceptance level but ≥10% recovery.			Benzo(a)pyrene, Hexachlorobenzene, Pentachlorophenol
	7/31/2014	High Explosives	SW-846:8321A_MOD	UJ	HE9	The holding time was >1 and ≤2 times the applicable holding time requirement.	2014-4217	WT_IPC-14-55975	RDX, Trinitrotoluene[2,4,6-]
		Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55951	Cobalt, Vanadium
			EPA:200.8						Antimony, Cadmium, Lead, Nickel
			EPA:245.2					WT_IPC-14-55975	Mercury
		Radionuclides	EPA:904	J	R10	Associated duplicate sample has DER or RER greater than the analytical laboratory's acceptance limits.		WT_IPC-14-55975	Radium-228
		Semivolatile Organic Analytes	EPA:625	UJ	SV9	The holding time was >1 and ≤2 times the applicable holding time requirement.			Benzo(a)pyrene, Hexachlorobenzene, Pentachlorophenol
PT-SMA-2	7/7/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3766	WT_IPC-14-55843	Boron, Vanadium, Zinc
			EPA:200.8						Cadmium, Nickel
PT-SMA-3	7/15/2014	High Explosives	SW-846:8321A_MOD	UJ	HE9	The holding time was >1 and ≤2 times the applicable holding time requirement.	2014-3936	WT_IPC-14-55987	RDX, Trinitrotoluene[2,4,6-]
		Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55900	Cobalt, Vanadium
			EPA:200.8						Nickel
		Radionuclides	EPA:900	J	R10	Associated duplicate sample has DER or RER greater than the analytical laboratory's acceptance limits.		WT_IPC-14-55987	Gross alpha
			EPA:904	U	R5	Analyte is not detected because the amount reported is less than the MDC.			Radium-228
PT-SMA-4.2	7/2/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3674	WT_IPC-14-55899	Vanadium
			EPA:200.8						Nickel
S-SMA-0.25	7/15/2014	Radionuclides	EPA:900	U	R5	Analyte is not detected because the amount reported is less than the MDC.	2014-4009	WT_IPC-14-85010	Gross alpha
		Semivolatile Organic Analytes	EPA:625	R	SV9a	The affected analytes are regarded as rejected because the extraction holding time was exceeded by 2 times the method published holding time requirements.			Benzo(a)pyrene, Hexachlorobenzene, Pentachlorophenol
	8/22/2014	PCB Congeners	EPA:1668A	J	CB4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank, but was >5 times.	2014-4513	WT_IPC-14-85011	PCB-129/PCB-138/PCB-163, Total hexaCB, Total PCB, Total pentaCB, Total tetraCB
		Radionuclides	EPA:900	U	R5	Analyte is not detected because the amount reported is less than the MDC.	2014-4511		Gross alpha
		Semivolatile Organic Analytes	EPA:625	R	SV9a	The affected analytes are regarded as rejected because the extraction holding time was exceeded by 2 times the method published holding time requirements.			Benzo(a)pyrene, Hexachlorobenzene, Pentachlorophenol
	9/28/2014	Radionuclides	EPA:900	U	R5	Analyte is not detected because the amount reported is less than the MDC.	2015-14	WT_IPC-14-87660	Gross alpha
		Semivolatile Organic Analytes	EPA:625	UJ	SV9	The holding time was >1 and ≤2 times the applicable holding time requirement.			Benzo(a)pyrene, Hexachlorobenzene, Pentachlorophenol

Table B-2 (continued)

SMA	Sample Date	Suite	Method	Validation Qual	Validation Reason Code	Explanation	Chain of Custody	Sample	Analyte
S-SMA-1.1	7/7/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3785	WT_IPC-14-55941	Vanadium
			EPA:200.8						Nickel
			EPA:245.2					WT_IPC-14-56017	Mercury
		Radionuclides	EPA:903.1	J	R10	Associated duplicate sample has DER or RER greater than the analytical laboratory's acceptance limits.	2014-3785	WT_IPC-14-56017	Radium-226
	7/29/2014	Cyanide	ASTM:D2036	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4217	WT_IPC-14-56018	Cyanide, weak acid dissociable
		Metals	EPA:200.7				2014-4217	WT_IPC-14-55942	Vanadium
		PCB Congeners	EPA:1668A	U	CB4	The sample result is ≤5 times the concentration of the related analyte in the method blank.	2014-4225	WT_IPC-14-56018	PCB-11
S-SMA-5.5	7/31/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4326	WT_IPC-14-55888	Vanadium
			EPA:200.8	J	I10a	The sample and the duplicate sample results were ≥5 times the reporting limit and the duplicate relative percent difference was >20%.			Copper
					J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.			Lead, Nickel
T-SMA-6.8	7/31/2014	Cyanide	ASTM:D2036	UJ	I9	The holding time was >1 and ≤2 times the applicable holding time requirement.	2014-4356	WT_IPC-14-56087	Cyanide, weak acid dissociable
		Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55915	Boron, Vanadium
			EPA:200.8						Nickel
		Radionuclides	EPA:904	U	R5	Analyte is not detected because the amount reported is less than the MDC.		WT_IPC-14-56087	Radium-228
W-SMA-1	9/12/2013	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2013-2126	WT_IPC-13-32495	Boron, Cobalt
			EPA:200.8						Lead
			EPA:245.2				2013-2125	WT_IPC-13-32167	Mercury
		Radionuclides	EPA:904	U	R5	Analyte is not detected because the amount reported is less than the MDC.	2013-2125	WT_IPC-13-32167	Radium-228
			Calculation						Radium-226 and Radium-228
	7/19/2014	Metals	EPA:200.7	J	I4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was >5 times.	2014-4010	WT_IPC-14-55959	Calcium
			EPA:200.7		J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55959	Boron, Cobalt, Vanadium
			EPA:200.8						Lead
			EPA:245.2					WT_IPC-14-56051	Mercury
W-SMA-1.5	7/31/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-4299	WT_IPC-14-55931	Zinc
W-SMA-14.1	9/13/2013	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2013-2008	WT_IPC-13-32492	Vanadium
			EPA:200.8						Arsenic, Nickel
	7/15/2014		EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3914	WT_IPC-14-55957	Cobalt, Vanadium
				U	I4	The sample result is ≤5 times the concentration of related analyte in the method blank.	2014-3914	WT_IPC-14-55957	Boron
			EPA:200.8	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.		WT_IPC-14-55957	Nickel
			EPA:245.2					WT_IPC-14-55972	Mercury

Table B-2 (continued)

SMA	Sample Date	Suite	Method	Validation Qual	Validation Reason Code	Explanation	Chain of Custody	Sample	Analyte
W-SMA-7	7/8/2014	Metals	EPA:200.7	J	J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.	2014-3752	WT_IPC-14-55927	Boron, Vanadium, Zinc
			EPA:200.8						Nickel
			EPA:245.2					WT_IPC-14-56093	Mercury

Table B-3
Target Action Levels

Pollutant (Total Unless Otherwise Indicated)	Chemical Abstracts Service Number	STORET Code[a]	MQL (µg/L)	ATAL (µg/L)	MTAL (µg/L)
Radioactivity					
Adjusted Gross Alpha[b] (pCi/L)	—[c]	80029	—	15	—
Ra-226 and Ra-228 (pCi/L)	—	11503	—	30	—
Metals					
Aluminum, dissolved	7429-90-5	01106	2.5	—	750
Antimony, dissolved	7440-36-0	01095	60	640	—
Arsenic, dissolved	7440-38-2	01000	0.5	9	340
Boron, dissolved	7440-42-8	01020	100	5000	—
Cadmium, dissolved	7440-43-9	01025	1	—	0.6
Chromium, dissolved	7440-47-3	01030	10	—	210
Cobalt, dissolved	7440-48-4	01035	50	1000	—
Copper, dissolved	7440-50-8	01040	0.5	—	4.3
Lead, dissolved	7439-92-1	01049	0.5	—	17
Mercury	7439-97-6	71900	0.005	0.77	1.4
Nickel, dissolved	7440-02-0	01067	0.5	—	170
Selenium	7782-49-2	01147	5	5	20
Silver, dissolved	7440-22-4	01075	0.5	—	0.4
Thallium, dissolved	7440-28-0	01057	0.5	6.3	—
Vanadium, dissolved	7440-62-2	01085	50	100	—
Zinc, dissolved	7440-66-6	01090	20	—	42
Cyanide					
Cyanide, weak acid dissociable	57-12-5	00718	10	5.2	22
Dioxin					
2,3,7,8-TCDD [Tetrachlorodibenzo-p-dioxin(2,3,7,8-)]	1746-01-6	34675	0.00001	5.1E-08	—
Semivolatile Analytes					
Benzo(a)pyrene	50-32-8	34247	5	0.18	—
Hexachlorobenzene	118-74-1	39700	5	0.0029	—
Pentachlorophenol	87-86-5	39032	5	—	19

Table B-3 (continued)

Pollutant (Total Unless Otherwise Indicated)	Chemical Abstracts Service Number	STORET Code[a]	MQL (µg/L)	ATAL (µg/L)	MTAL (µg/L)
Pesticides					
4,4'-DDT (dichlorodiphenyltrichloroethane) and derivatives	50-29-3	39300	0.02	0.001	1.1
Aldrin	309-00-2	39330	0.01	0.0005	3
Alpha-Endosulfan	959-98-8	34361	0.01	—	0.22
Beta-Endosulfan	33213-65-9	34356	0.02	—	0.22
Chlordane	57-74-9	39350	0.2	0.0081	2.4
Dieldrin	60-57-1	39380	0.02	0.00054	0.24
Endrin	72-20-8	39390	0.02	—	0.086
Gamma–benzene hexachloride (BHC)	58-89-9	39340	0.05	—	0.95
Heptachlor	76-44-8	39410	0.01	—	0.52
Heptachlor Epoxide	1024-57-3	39420	0.01	—	0.52
Toxaphene	8001-35-2	39400	0.3	—	0.73
PCBs					
PCBs	1336-36-3	39516	—	0.00064	—
High Explosives					
TNT (2,4,6-Trinitrotoluene)	118-96-7	81307	—	20	—
RDX	121-82-4	81364	—	200	—

[a] STORET code is the ID used by the EPA STORET database to identify each chemical constituent.

[b] "Adjusted gross alpha" means the total radioactivity from alpha-particle emission, as inferred from measurements on a dry sample, including radium-226, but excluding radon-222 and uranium. Also excluded are source, special nuclear, and by-product material as defined by the Atomic Energy Act of 1954 (NMAC 20.6.4.7.B). LANL reports the gross-alpha radiation result returned by the analytical laboratory without adjustment. Gross-alpha activity represents the largest possible value for adjusted gross-alpha activity.

[c] — = Not applicable.

Table B-4
Missing Pollutants of Concern

SMA	Chain of Custody	Sample	Sample Collection Date	Analyte	Comment
None					

Table B-5
Cyanide and Mercury Holding Time

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Analysis Holding Time (Days)	Required Analysis Holding Time (Days)	Exceeds (Y/N)
3M-SMA-0.5	General Inorganic	Cyanide, weak acid dissociable	2014-3809	WT_IPC-14-76522	7/9/2014	7/22/2014	13	14	N
3M-SMA-0.5	Metals	Mercury	2014-3809	WT_IPC-14-76522	7/9/2014	7/30/2014	22	28	N
3M-SMA-4	General Inorganic	Cyanide, weak acid dissociable	2014-4259	WT_IPC-14-55990	7/29/2014	8/11/2014	13	14	N
3M-SMA-4	Metals	Mercury	2014-4259	WT_IPC-14-55990	7/29/2014	8/21/2014	23	28	N
CDV-SMA-6.01	General Inorganic	Cyanide, weak acid dissociable	2014-4259	WT_IPC-14-55983	7/31/2014	8/11/2014	11	14	N
CDV-SMA-6.01	Metals	Mercury	2014-4259	WT_IPC-14-55983	7/31/2014	8/21/2014	21	28	N
CDV-SMA-8	General Inorganic	Cyanide, weak acid dissociable	2014-4217	WT_IPC-14-56095	7/31/2014	8/11/2014	11	14	N
CDV-SMA-8	Metals	Mercury	2014-4217	WT_IPC-14-56095	7/31/2014	8/18/2014	18	28	N
CHQ-SMA-0.5	General Inorganic	Cyanide, weak acid dissociable	2014-4017	WT_IPC-14-55967	7/23/2014	7/28/2014	5	14	N
CHQ-SMA-0.5	Metals	Mercury	2014-4017	WT_IPC-14-55967	7/23/2014	8/11/2014	19	28	N
LA-SMA-1	General Inorganic	Cyanide, weak acid dissociable	2013-2098	WT_IPC-13-32154	9/13/2013	9/26/2013	13	14	N
LA-SMA-1	Metals	Mercury	2013-2098	WT_IPC-13-32154	9/13/2013	10/3/2013	20	28	N
LA-SMA-1	General Inorganic	Cyanide, weak acid dissociable	2014-4217	WT_IPC-14-56019	7/29/2014	8/12/2014	14	14	N
LA-SMA-1	Metals	Mercury	2014-4217	WT_IPC-14-56019	7/29/2014	8/18/2014	20	28	N
LA-SMA-9	General Inorganic	Cyanide, weak acid dissociable	2014-4356	WT_IPC-14-56054	8/10/2014	8/18/2014	8	14	N
LA-SMA-9	Metals	Mercury	2014-4356	WT_IPC-14-56054	8/10/2014	8/25/2014	15	28	N
PJ-SMA-10	General Inorganic	Cyanide, weak acid dissociable	2014-3736	WT_IPC-14-56002	7/7/2014	7/14/2014	7	14	N
PJ-SMA-10	Metals	Mercury	2014-3736	WT_IPC-14-56002	7/7/2014	7/18/2014	11	28	N
PJ-SMA-6	General Inorganic	Cyanide, weak acid dissociable	2014-3890	WT_IPC-14-56104	7/8/2014	7/22/2014	14	14	N
PJ-SMA-6	Metals	Mercury	2014-3890	WT_IPC-14-56104	7/8/2014	8/1/2014	24	28	N
PJ-SMA-9	General Inorganic	Cyanide, weak acid dissociable	2014-3623	WT_IPC-14-56003	6/21/2014	6/27/2014	6	14	N
PJ-SMA-9	Metals	Mercury	2014-3623	WT_IPC-14-56003	6/21/2014	7/9/2014	18	28	N

Table B-5 (continued)

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Analysis Holding Time (Days)	Required Analysis Holding Time (Days)	Exceeds (Y/N)
P-SMA-2	General Inorganic	Cyanide, weak acid dissociable	2014-4542	WT_IPC-14-56012	9/5/2014	9/17/2014	12	14	N
P-SMA-2	Metals	Mercury	2014-4542	WT_IPC-14-56012	9/5/2014	9/24/2014	19	28	N
PT-SMA-1	General Inorganic	Cyanide, weak acid dissociable	2014-3766	WT_IPC-14-55973	7/9/2014	7/14/2014	5	14	N
PT-SMA-1	Metals	Mercury	2014-3766	WT_IPC-14-55973	7/9/2014	7/21/2014	13	28	N
PT-SMA-1	General Inorganic	Cyanide, weak acid dissociable	2014-4217	WT_IPC-14-55975	7/31/2014	8/11/2014	11	14	N
PT-SMA-1	Metals	Mercury	2014-4217	WT_IPC-14-55975	7/31/2014	8/18/2014	18	28	N
PT-SMA-2	General Inorganic	Cyanide, weak acid dissociable	2014-3766	WT_IPC-14-56004	7/7/2014	7/14/2014	7	14	N
PT-SMA-2	Metals	Mercury	2014-3766	WT_IPC-14-56004	7/7/2014	7/21/2014	14	28	N
PT-SMA-3	General Inorganic	Cyanide, weak acid dissociable	2014-3936	WT_IPC-14-55987	7/15/2014	7/28/2014	13	14	N
PT-SMA-3	Metals	Mercury	2014-3936	WT_IPC-14-55987	7/15/2014	8/4/2014	20	28	N
PT-SMA-4.2	General Inorganic	Cyanide, weak acid dissociable	2014-3674	WT_IPC-14-55986	7/2/2014	7/14/2014	12	14	N
PT-SMA-4.2	Metals	Mercury	2014-3674	WT_IPC-14-55986	7/2/2014	7/10/2014	8	28	N
S-SMA-1.1	General Inorganic	Cyanide, weak acid dissociable	2014-3785	WT_IPC-14-56017	7/7/2014	7/16/2014	9	14	N
S-SMA-1.1	Metals	Mercury	2014-3785	WT_IPC-14-56017	7/7/2014	7/22/2014	15	28	N
S-SMA-1.1	General Inorganic	Cyanide, weak acid dissociable	2014-4217	WT_IPC-14-56018	7/29/2014	8/11/2014	13	14	N
S-SMA-1.1	Metals	Mercury	2014-4217	WT_IPC-14-56018	7/29/2014	8/18/2014	20	28	N
S-SMA-5.5	General Inorganic	Cyanide, weak acid dissociable	2014-4326	WT_IPC-14-56078	7/31/2014	8/14/2014	14	14	N
S-SMA-5.5	Metals	Mercury	2014-4326	WT_IPC-14-56078	7/31/2014	8/22/2014	22	28	N
T-SMA-6.8	General Inorganic	Cyanide, weak acid dissociable	2014-4356	WT_IPC-14-56087	7/31/2014	8/18/2014	18	14	Y
T-SMA-6.8	Metals	Mercury	2014-4356	WT_IPC-14-56087	7/31/2014	8/25/2014	25	28	N
W-SMA-1	General Inorganic	Cyanide, weak acid dissociable	2013-2122	WT_IPC-13-32167	9/12/2013	9/26/2013	14	14	N
W-SMA-1	Metals	Mercury	2013-2125	WT_IPC-13-32167	9/12/2013	10/3/2013	21	28	N
W-SMA-1	General Inorganic	Cyanide, weak acid dissociable	2014-4010	WT_IPC-14-56051	7/19/2014	7/28/2014	9	14	N

Table B-5 (continued)

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Analysis Holding Time (Days)	Required Analysis Holding Time (Days)	Exceeds (Y/N)
W-SMA-1	Metals	Mercury	2014-4010	WT_IPC-14-56051	7/19/2014	8/8/2014	20	28	N
W-SMA-14.1	General Inorganic	Cyanide, weak acid dissociable	2013-2008	WT_IPC-13-32037	9/13/2013	9/24/2013	11	14	N
W-SMA-14.1	Metals	Mercury	2013-2008	WT_IPC-13-32037	9/13/2013	10/3/2013	20	28	N
W-SMA-14.1	General Inorganic	Cyanide, weak acid dissociable	2014-3914	WT_IPC-14-55972	7/15/2014	7/22/2014	6	14	N
W-SMA-14.1	Metals	Mercury	2014-3914	WT_IPC-14-55972	7/15/2014	8/4/2014	20	28	N
W-SMA-7	General Inorganic	Cyanide, weak acid dissociable	2014-3752	WT_IPC-14-56093	7/8/2014	7/14/2014	6	14	N
W-SMA-7	Metals	Mercury	2014-3752	WT_IPC-14-56093	7/8/2014	7/18/2014	10	28	N

Notes: Shading indicates analyses performed beyond the required analysis holding time. The 40 CFR Part 136 requirements for Clean Water Act compliance samples include maximum holding times between the time of sample collection and the time of analysis for inorganic analysis. The analytical holding time was missed for one sample receiving weak acid dissociable cyanide analysis. The analytical results from samples extracted or analyzed beyond the appropriate holding time may have a low bias and therefore could potentially underreport the concentration present in the sample. Consequently, the results of analyses where holding times were exceeded cannot be used to confirm that pollutants of concern are present at concentrations below applicable TAL values.

Table B-6
Organic Compound Holding Times

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Extraction Hold Time (Days)	Required Extraction Hold Time (Days)	Exceeds (Y/N)
3M-SMA-0.5	Hexp[a]	RDX	2014-3809	WT_IPC-14-76522	7/9/2014	7/18/2014	9	7	Y
3M-SMA-0.5	Hexp	Trinitrotoluene[2,4,6-]	2014-3809	WT_IPC-14-76522	7/9/2014	7/18/2014	9	7	Y
3M-SMA-4	Hexp	RDX	2014-4259	WT_IPC-14-55990	7/29/2014	8/13/2014	15	7	Y
3M-SMA-4	Hexp	Trinitrotoluene[2,4,6-]	2014-4259	WT_IPC-14-55990	7/29/2014	8/13/2014	15	7	Y
CDV-SMA-6.01	Hexp	RDX	2014-4259	WT_IPC-14-55983	7/31/2014	8/13/2014	13	7	Y
CDV-SMA-6.01	Hexp	Trinitrotoluene[2,4,6-]	2014-4259	WT_IPC-14-55983	7/31/2014	8/13/2014	13	7	Y
CHQ-SMA-0.5	Hexp	RDX	2014-4017	WT_IPC-14-55967	7/23/2014	7/30/2014	7	7	N
CHQ-SMA-0.5	Hexp	Trinitrotoluene[2,4,6-]	2014-4017	WT_IPC-14-55967	7/23/2014	7/30/2014	7	7	N
PJ-SMA-10	Hexp	RDX	2014-3736	WT_IPC-14-56002	7/7/2014	7/14/2014	7	7	N
PJ-SMA-10	Hexp	Trinitrotoluene[2,4,6-]	2014-3736	WT_IPC-14-56002	7/7/2014	7/14/2014	7	7	N
PJ-SMA-9	Hexp	RDX	2014-3623	WT_IPC-14-56003	6/21/2014	6/30/2014	9	7	Y
PJ-SMA-9	Hexp	Trinitrotoluene[2,4,6-]	2014-3623	WT_IPC-14-56003	6/21/2014	6/30/2014	9	7	Y
PT-SMA-1	Hexp	RDX	2014-3766	WT_IPC-14-55973	7/9/2014	7/14/2014	5	7	N
PT-SMA-1	Hexp	RDX	2014-4217	WT_IPC-14-55975	7/31/2014	8/8/2014	8	7	Y
PT-SMA-1	Hexp	Trinitrotoluene[2,4,6-]	2014-3766	WT_IPC-14-55973	7/9/2014	7/14/2014	5	7	N
PT-SMA-1	Hexp	Trinitrotoluene[2,4,6-]	2014-4217	WT_IPC-14-55975	7/31/2014	8/8/2014	8	7	Y
PT-SMA-2	Hexp	RDX	2014-3766	WT_IPC-14-56004	7/7/2014	7/14/2014	7	7	N
PT-SMA-2	Hexp	Trinitrotoluene[2,4,6-]	2014-3766	WT_IPC-14-56004	7/7/2014	7/14/2014	7	7	N
PT-SMA-3	Hexp	RDX	2014-3936	WT_IPC-14-55987	7/15/2014	7/23/2014	7	7	Y
PT-SMA-3	Hexp	Trinitrotoluene[2,4,6-]	2014-3936	WT_IPC-14-55987	7/15/2014	7/23/2014	7	7	Y
PT-SMA-4.2	Hexp	RDX	2014-3674	WT_IPC-14-55986	7/2/2014	7/9/2014	7	7	N

Table B-6 (continued)

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Extraction Hold Time (Days)	Required Extraction Hold Time (Days)	Exceeds (Y/N)
PT-SMA-4.2	Hexp	Trinitrotoluene[2,4,6-]	2014-3674	WT_IPC-14-55986	7/2/2014	7/9/2014	7	7	N
W-SMA-14.1	Hexp	RDX	2013-2008	WT_IPC-13-32037	9/13/2013	9/20/2013	7	7	Y
W-SMA-14.1	Hexp	RDX	2014-3914	WT_IPC-14-55972	7/15/2014	7/21/2014	6	7	N
W-SMA-14.1	Hexp	Trinitrotoluene[2,4,6-]	2013-2008	WT_IPC-13-32037	9/13/2013	9/20/2013	7	7	Y
W-SMA-14.1	Hexp	Trinitrotoluene[2,4,6-]	2014-3914	WT_IPC-14-55972	7/15/2014	7/21/2014	6	7	N
CDV-SMA-8	SVOA[b]	Benzo(a)pyrene	2014-4217	WT_IPC-14-56095	7/31/2014	8/7/2014	7	7	N
CDV-SMA-8	SVOA	Hexachlorobenzene	2014-4217	WT_IPC-14-56095	7/31/2014	8/7/2014	7	7	N
CDV-SMA-8	SVOA	Pentachlorophenol	2014-4217	WT_IPC-14-56095	7/31/2014	8/7/2014	7	7	N
PJ-SMA-10	SVOA	Benzo(a)pyrene	2014-3736	WT_IPC-14-56002	7/7/2014	7/14/2014	7	7	N
PJ-SMA-10	SVOA	Hexachlorobenzene	2014-3736	WT_IPC-14-56002	7/7/2014	7/14/2014	7	7	N
PJ-SMA-10	SVOA	Pentachlorophenol	2014-3736	WT_IPC-14-56002	7/7/2014	7/14/2014	7	7	N
PJ-SMA-9	SVOA	Benzo(a)pyrene	2014-3623	WT_IPC-14-56003	6/21/2014	6/27/2014	6	7	N
PJ-SMA-9	SVOA	Hexachlorobenzene	2014-3623	WT_IPC-14-56003	6/21/2014	6/27/2014	6	7	N
PJ-SMA-9	SVOA	Pentachlorophenol	2014-3623	WT_IPC-14-56003	6/21/2014	6/27/2014	6	7	N
PT-SMA-1	SVOA	Benzo(a)pyrene	2014-3766	WT_IPC-14-55973	7/9/2014	7/14/2014	6	7	N
PT-SMA-1	SVOA	Benzo(a)pyrene	2014-4217	WT_IPC-14-55975	7/31/2014	8/8/2014	8	7	Y
PT-SMA-1	SVOA	Hexachlorobenzene	2014-3766	WT_IPC-14-55973	7/9/2014	7/14/2014	6	7	N
PT-SMA-1	SVOA	Hexachlorobenzene	2014-4217	WT_IPC-14-55975	7/31/2014	8/8/2014	8	7	Y
PT-SMA-1	SVOA	Pentachlorophenol	2014-3766	WT_IPC-14-55973	7/9/2014	7/14/2014	6	7	N
PT-SMA-1	SVOA	Pentachlorophenol	2014-4217	WT_IPC-14-55975	7/31/2014	8/8/2014	8	7	Y
PT-SMA-2	SVOA	Benzo(a)pyrene	2014-3766	WT_IPC-14-56004	7/7/2014	7/14/2014	7	7	N
PT-SMA-2	SVOA	Hexachlorobenzene	2014-3766	WT_IPC-14-56004	7/7/2014	7/14/2014	7	7	N
PT-SMA-2	SVOA	Pentachlorophenol	2014-3766	WT_IPC-14-56004	7/7/2014	7/14/2014	7	7	N

Table B-6 (continued)

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Extraction Hold Time (Days)	Required Extraction Hold Time (Days)	Exceeds (Y/N)
S-SMA-0.25	SVOA	Benzo(a)pyrene	2014-4009	WT_IPC-14-85010	7/15/2014	7/29/2014	15	7	Y
S-SMA-0.25	SVOA	Benzo(a)pyrene	2014-4511	WT_IPC-14-85011	8/22/2014	9/16/2014	25	7	Y
S-SMA-0.25	SVOA	Hexachlorobenzene	2014-4009	WT_IPC-14-85010	7/15/2014	7/29/2014	15	7	Y
S-SMA-0.25	SVOA	Hexachlorobenzene	2014-4511	WT_IPC-14-85011	8/22/2014	9/16/2014	25	7	Y
S-SMA-0.25	SVOA	Pentachlorophenol	2014-4009	WT_IPC-14-85010	7/15/2014	7/29/2014	15	7	Y
S-SMA-0.25	SVOA	Pentachlorophenol	2014-4511	WT_IPC-14-85011	8/22/2014	9/16/2014	25	7	Y

Notes: Shading indicates analyses performed beyond the required extraction holding time. The 40 CFR Part 136 requirements for Clean Water Act compliance samples include maximum holding times between the time of sample collection and the time of sample extraction and between sample extraction and sample analysis for organic. Extraction holding times were missed for two samples analyzed for semivolatile organic and five samples analyzed for high explosives. The analytical results from samples extracted or analyzed beyond the appropriate holding time may have a low bias and therefore could potentially underreport the concentration present in the sample. Consequently, the results of analyses where holding times were exceeded cannot be used to confirm that pollutants of concern are present at concentrations below applicable TAL values.

[a] Hexp = High explosives.

[b] SVOA = Semivolatile organic analytes.

PART II. COMPLIANCE MONITORING RESULTS

Table B-7
Compliance Samples Collected during 2014

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	Sample	Sample Date	Field Prep	Aluminum (Dissolved)	Copper (Dissolved)	Copper and Zinc (Dissolved)	Cyanide (WAD[a])	Gross Alpha	Hexp[b]	Radium-226/228	Selenium and Mercury (Total)	SVOAs[c]	Dissolved Metals[d]	Total PCBs	Dioxin
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/2014	CAM5 Sample 1[e]	WT_IPC-13-32120	09/12/13	F[f]	—[g]	X[h]	—	—	—	—	—	—	—	—	—	—
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/2014	CAM5 Sample 1	WT_IPC-13-32474	09/12/13	UF[i]	—	—	—	—	X	—	—	—	—	—	—	—
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/2014	CAM5 Sample 2[j]	WT_IPC-14-55939	07/31/14	F	—	X	—	—	—	—	—	—	—	—	—	—
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/2014	CAM5 Sample 2	WT_IPC-14-56115	07/31/14	UF	—	—	—	—	X	—	—	—	—	—	—	—
E009	2M-SMA-1.7	SS2438	07/27/12	9/29/2014	CAM5 Sample 1	WT_IPC-14-55933	07/08/14	F	—	X	—	—	—	—	—	—	—	—	—	—
E009	2M-SMA-1.7	SS2438	07/27/12	9/29/2014	CAM5 Sample 2	WT_IPC-14-55936	08/26/14	F	—	X	—	—	—	—	—	—	—	—	—	—
H003	3M-SMA-0.5	SS141505	04/30/12	8/18/2014	MEx[k]	WT_IPC-14-76521	07/09/14	F	—	—	—	—	—	—	—	—	—	X	—	—
H003	3M-SMA-0.5	SS141505	04/30/12	8/18/2014	MEx	WT_IPC-14-76522	07/09/14	UF	—	—	—	X	X	X	X	X	—	—	—	—
H006	3M-SMA-4	SS101504	04/30/12	10/20/2014	MEx	WT_IPC-14-55909	07/29/14	F	—	—	—	—	—	—	—	—	—	X	—	—
H006	3M-SMA-4	SS101504	04/30/12	10/20/2014	MEx	WT_IPC-14-55990	07/29/14	UF	—	—	—	X	X	X	X	X	—	—	—	—
V008	CDV-SMA-2.41	SS090407	06/27/14	—	CAM5 Sample 1	WT_IPC-14-81180	07/08/14	UF	—	—	—	—	X	—	—	—	—	—	X	—
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/2014	MEx	WT_IPC-14-55864	07/31/14	F	—	—	—	—	—	—	—	—	—	X	—	—
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/2014	MEx	WT_IPC-14-55983	07/31/14	UF	—	—	—	X	X	X	X	X	—	—	—	—
V014	CDV-SMA-8	SS25630	04/30/12	10/7/2014	MEx	WT_IPC-14-55822	07/31/14	F	—	—	—	—	—	—	—	—	—	X	—	—
V014	CDV-SMA-8	SS25630	04/30/12	10/7/2014	MEx	WT_IPC-14-56095	07/31/14	UF	—	—	—	X	X		X	X	X	—	—	—
Q001	CHQ-SMA-0.5	SS090601	04/30/12	9/22/2014	MEx	WT_IPC-14-55867	07/23/14	F	—	—	—	—	—	—	—	—	—	X	—	—
Q001	CHQ-SMA-0.5	SS090601	04/30/12	9/22/2014	MEx	WT_IPC-14-55967	07/23/14	UF	—	—	—	X	X	X	X	X	—	—	X	—
F001	F-SMA-2	SS092401	07/27/14	9/8/2014	CAM5 Sample 1	WT_IPC-14-81182	07/15/14	F	X	X	—	—	—	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	07/27/14	9/8/2014	CAM5 Sample 1	WT_IPC-14-81184	07/15/14	UF	—	—	—	—	X	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	07/27/14	9/8/2014	CAM5 Sample 2	WT_IPC-14-81183	07/31/14	F	X	X	—	—	—	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	07/27/14	9/8/2014	CAM5 Sample 2	WT_IPC-14-81185	07/31/14	UF	—	—	—	—	X	—	—	—	—	—	—	—
L003	LA-SMA-1	SS121044	11/27/12	10/7/2014	CAM5 Sample 1	WT_IPC-13-32488	09/13/13	F	—	—	—	—	—	—	—	—	—	X	—	—
L003	LA-SMA-1	SS121044	11/27/12	10/7/2014	CAM5 Sample 1	WT_IPC-13-32154	09/13/13	UF	—	—	—	X	X	—	X	X	—	—	X	—
L003	LA-SMA-1	SS121044	11/27/12	10/7/2014	CAM5 Sample 2	WT_IPC-14-55954	07/29/14	F	—	—	—	—	—	—	—	—	—	X	—	—
L003	LA-SMA-1	SS121044	11/27/12	10/7/2014	CAM5 Sample 2	WT_IPC-14-56019	07/29/14	UF	—	—	—	X	X	—	X	X	—	—	X	—
L014	LA-SMA-5.35	SS091014	11/27/12	8/19/2014	CAM5 Sample 1	WT_IPC-14-55935	06/21/14	F	—	X	—	—	—	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	11/27/12	8/19/2014	CAM5 Sample 1	WT_IPC-14-56108	06/21/14	UF	—	—	—	—	X	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	11/27/12	8/19/2014	CAM5 Sample 2	WT_IPC-14-55934	07/19/14	F	—	X	—	—	—	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	11/27/12	8/19/2014	CAM5 Sample 2	WT_IPC-14-56107	07/19/14	UF	—	—	—	—	X	—	—	—	—	—	—	—
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/2014	MEx	WT_IPC-14-55873	07/29/14	F	—	—	—	—	—	—	—	—	—	X	—	—
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/2014	MEx	WT_IPC-14-56032	07/29/14	UF	—	—	—	X	X		X	X	—	—	X	—

Table B-7 (continued)

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	Sample	Sample Date	Field Prep	Aluminum (Dissolved)	Copper (Dissolved)	Copper and Zinc (Dissolved)	Cyanide (WAD[a])	Gross Alpha	Hexp[b]	Radium-226/228	Selenium and Mercury (Total)	SVOAs[c]	Dissolved Metals[d]	Total PCBs	Dioxin
L019	LA-SMA-5.91	SS091019	07/08/13	8/25/2014	CAM5 Sample 1	WT_IPC-13-40974	09/12/13	UF	—	—	—	—	X	—	—	—	—	—	—	—
L019	LA-SMA-5.91	SS091019	07/08/13	8/25/2014	CAM5 Sample 2	WT_IPC-14-56132	07/15/14	UF	—	—	—	—	X	—	—	—	—	—	—	—
L029	LA-SMA-9	SS0304	04/30/12	9/17/2014	MEx	WT_IPC-14-55827	08/10/14	F	—	—	—	—	—	—	—	—	—	X	—	—
L029	LA-SMA-9	SS0304	04/30/12	9/17/2014	MEx	WT_IPC-14-56054	08/10/14	UF	—	—	—	X	X	—	X	X	—	—	—	—
M002B	M-SMA-1.22	SS091228	05/02/14	10/20/2014	CAM5 Sample 1	WT_IPC-13-34611	09/12/13	F	X	X	—	—	—	—	—	—	—	—	—	—
M002B	M-SMA-1.22	SS091228	05/02/14	10/20/2014	CAM5 Sample 2	WT_IPC-14-55816	07/29/14	F	X	X	—	—	—	—	—	—	—	—	—	—
J012	PJ-SMA-10	SS132340	04/30/12	8/11/2014	MEx	WT_IPC-14-55838	07/07/14	F	—	—	—	—	—	—	—	—	—	X	—	—
J012	PJ-SMA-10	SS132340	04/30/12	8/11/2014	MEx	WT_IPC-14-56002	07/07/14	UF	—	—	—	X	X	X	X	X	X	—	—	—
J027	PJ-SMA-20	SS092332	10/25/13	—	CACompC[l]	WT_IPC-14-55940	05/22/14	F	—	—	—	—	—	—	—	—	—	X	—	—
J027	PJ-SMA-20	SS092332	10/25/13	—	CACompC	WT_IPC-14-56016	05/22/14	UF	—	—	—	X	X	—	X	X	—	—	X	—
J007	PJ-SMA-6	SS24255	10/31/11	8/18/2014	MEx	WT_IPC-14-55841	07/08/14	F	—	—	—	—	—	—	—	—	—	X	—	—
J007	PJ-SMA-6	SS24255	10/31/11	8/18/2014	MEx	WT_IPC-14-56104	07/08/14	UF	—	—	—	X	X	—	X	X	—	—	—	—
J010	PJ-SMA-9	SS2427	10/31/11	8/4/2014	MEx	WT_IPC-14-55842	06/21/14	F	—	—	—	—	—	—	—	—	—	X	—	—
J010	PJ-SMA-9	SS2427	10/31/11	8/4/2014	MEx	WT_IPC-14-56003	06/21/14	UF	—	—	—	X	X	X	X	X	X	—	—	—
P006	P-SMA-2	SS057	04/30/12	8/11/2014	MEx	WT_IPC-14-55836	09/05/14	F	—	—	—	—	—	—	—	—	—	X	—	—
P006	P-SMA-2	SS057	04/30/12	8/11/2014	MEx	WT_IPC-14-56012	09/05/14	UF	—	—	—	X	X	—	X	X	—	—	—	X
I002	PT-SMA-1	SS124815	08/03/12	10/7/2014	CAM5 Sample 1	WT_IPC-14-55946	07/09/14	F	—	—	—	—	—	—	—	—	—	X	—	—
I002	PT-SMA-1	SS124815	08/03/12	10/7/2014	CAM5 Sample 1	WT_IPC-14-55973	07/09/14	UF	—	—	—	X	X	X	X	X	X	—	—	—
I002	PT-SMA-1	SS124815	08/03/12	10/7/2014	CAM5 Sample 2	WT_IPC-14-55951	07/31/14	F	—	—	—	—	—	—	—	—	—	X	—	—
I002	PT-SMA-1	SS124815	08/03/12	10/7/2014	CAM5 Sample 2	WT_IPC-14-55975	07/31/14	UF	—	—	—	X	X	X	X	X	X	—	—	—
I004	PT-SMA-2	SS2658	04/30/12	8/11/2014	MEx	WT_IPC-14-55843	07/07/14	F	—	—	—	—	—	—	—	—	—	X	—	—
I004	PT-SMA-2	SS2658	04/30/12	8/11/2014	MEx	WT_IPC-14-56004	07/07/14	UF	—	—	—	X	X	X	X	X	X	—	—	—
I005	PT-SMA-3	SS094807	10/31/11	8/25/2014	MEx	WT_IPC-14-55900	07/15/14	F	—	—	—	—	—	—	—	—	—	X	—	—
I005	PT-SMA-3	SS094807	10/31/11	8/25/2014	MEx	WT_IPC-14-55987	07/15/14	UF	—	—	—	X	X	X	X	X	—	—	—	—
I007	PT-SMA-4.2	SS094806	10/31/11	8/11/2014	MEx	WT_IPC-14-55899	07/02/14	F	—	—	—	—	—	—	—	—	—	X	—	—
I007	PT-SMA-4.2	SS094806	10/31/11	8/11/2014	MEx	WT_IPC-14-55986	07/02/14	UF	—	—	—	X	X	X	X	X	—	—	—	—
S001	S-SMA-0.25	SS091601	06/24/14	11/3/2014	CAM3 Sample 1[m]	WT_IPC-14-85010	07/15/14	UF	—	—	—	—	X	—	—	—	X	—	X	—
S001	S-SMA-0.25	SS091601	06/24/14	11/3/2014	CAM3 Sample 2[n]	WT_IPC-14-85011	08/22/14	UF	—	—	—	—	X	—	—	—	X	—	X	—
S002	S-SMA-1.1	SS121634	11/27/14	10/7/2014	CAM3 Sample 1	WT_IPC-14-55941	07/07/14	F	—	—	—	—	—	—	—	—	—	X	—	—
S002	S-SMA-1.1	SS121634	11/27/14	10/7/2014	CAM3 Sample 1	WT_IPC-14-56017	07/07/14	UF	—	—	—	X	X		X	X	—	—	X	—
S002	S-SMA-1.1	SS121634	11/27/14	10/7/2014	CAM3 Sample 2	WT_IPC-14-55942	07/29/14	F	—	—	—	—	—	—	—	—	—	X	—	—
S002	S-SMA-1.1	SS121634	11/27/14	10/7/2014	CAM3 Sample 2	WT_IPC-14-56018	07/29/14	UF	—	—	—	X	X		X	X	—	—	X	—

Table B-7 (continued)

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	Sample	Sample Date	Field Prep	Aluminum (Dissolved)	Copper (Dissolved)	Copper and Zinc (Dissolved)	Cyanide (WAD[a])	Gross Alpha	Hexp[b]	Radium-226/228	Selenium and Mercury (Total)	SVOAs[c]	Dissolved Metals[d]	Total PCBs	Dioxin
S005B	S-SMA-3.53	SS091605	05/02/13	8/18/2014	CAM3 Sample 1	WT_IPC-14-55812	07/07/14	F	X	X	—	—	—	—	—	—	—	—	—	—
S005B	S-SMA-3.53	SS091605	05/02/13	8/18/2014	CAM3 Sample 1	WT_IPC-14-56117	07/07/14	UF	—	—	—	—	—	X	—	—	—	—	X	—
S015	S-SMA-5.5	SS091619	04/30/12	9/11/2014	MEx	WT_IPC-14-55888	07/31/14	F	—	—	—	—	—	—	—	—	—	X	—	—
S015	S-SMA-5.5	SS091619	04/30/12	9/11/2014	MEx	WT_IPC-14-56078	07/31/14	UF	—	—	—	X	X	—	X	X	—	—	—	—
T008	T-SMA-6.8	SS103716	04/30/12	9/17/2014	MEx	WT_IPC-14-55915	07/31/14	F	—	—	—	—	—	—	—	—	—	X	—	—
T008	T-SMA-6.8	SS103716	04/30/12	9/17/2014	MEx	WT_IPC-14-56087	07/31/14	UF	—	—	—	X	X	—	X	X	—	—	—	—
W001	W-SMA-1	SS133939	05/02/13	8/29/2014	CAM5 Sample 1	WT_IPC-13-32495	09/12/13	F	—	—	—	—	—	—	—	—	—	X	—	—
W001	W-SMA-1	SS133939	05/02/13	8/29/2014	CAM5 Sample 1	WT_IPC-13-32167	09/12/13	UF	—	—	—	X	X	—	X	X	—	—	—	—
W001	W-SMA-1	SS133939	05/02/13	8/29/2014	CAM5 Sample 2	WT_IPC-14-55959	07/19/14	F	—	—	—	—	—	—	—	—	—	X	—	—
W001	W-SMA-1	SS133939	05/02/13	8/29/2014	CAM5 Sample 2	WT_IPC-14-56051	07/19/14	UF	—	—	—	X	X	—	X	X	—	—	—	—
W002	W-SMA-1.5	SS103928	09/25/12	10/20/2014	CAM5 Sample 1	WT_IPC-14-55929	07/19/14	F	—	—	X	—	—	—	—	—	—	—	—	—
W002	W-SMA-1.5	SS103928	09/25/12	10/20/2014	CAM5 Sample 2	WT_IPC-14-55931	07/31/14	F	—	—	X	—	—	—	—	—	—	—	—	—
W021	W-SMA-14.1	SS123937	09/25/12	8/25/2014	CAM5 Sample 1	WT_IPC-13-32492	09/13/13	F	—	—	—	—	—	—	—	—	—	X	—	—
W021	W-SMA-14.1	SS123937	09/25/12	8/25/2014	CAM5 Sample 1	WT_IPC-13-32037	09/13/13	UF	—	—	—	X	X	X	X	X	—	—	—	—
W021	W-SMA-14.1	SS123937	09/25/12	8/25/2014	CAM5 Sample 2	WT_IPC-14-55957	07/15/14	F	—	—	—	—	—	—	—	—	—	X	—	—
W021	W-SMA-14.1	SS123937	09/25/12	8/25/2014	CAM5 Sample 2	WT_IPC-14-55972	07/15/14	UF	—	—	—	X	X	X	X	X	—	—	—	—
W008	W-SMA-7	SS25243	04/30/12	8/11/2014	MEx	WT_IPC-14-55927	07/08/14	F	—	—	—	—	—	—	—	—	—	X	—	—
W008	W-SMA-7	SS25243	04/30/12	8/11/2014	MEx	WT_IPC-14-56093	07/08/14	UF	—	—	—	X	X	—	X	X	—	—	—	—

[a] WAD = Weak acid dissociable.

[b] Hexp = High explosives.

[c] SVOA = Semivolatile organic analyte.

[d] Dissolved Metals = Aluminum, antimony, arsenic, boron, cadmium, chromium, cobalt, copper, lead, nickel, silver, thallium, vanadium, zinc.

[e] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[f] F = Filtered.

[g] — = The sample is not analyzed for the associated parameters.

[h] X = The sample is analyzed for the associated parameters.

[i] UF = Unfiltered.

[j] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[k] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[l] CACompC = Corrective action is complete with a certification of no exposure per Permit Part I.E.2(c). Results for one sample are collected and made available.

[m] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[n] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table B-8
Results for Metals

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Aluminum EPA:200.8 (µg/L)	Antimony EPA:200.8 (µg/L)	Arsenic EPA:200.8 (µg/L)	Boron EPA:200.7 (µg/L)	Cadmium EPA:200.8 (µg/L)	Chromium EPA:200.8 (µg/L)	Cobalt EPA:200.7 (µg/L)	Copper EPA:200.8 (µg/L)	Lead EPA:200.8 (µg/L)	Mercury EPA:245.2 (µg/L)	Nickel EPA:200.8 (µg/L)	Selenium EPA:200.8 (µg/L)	Silver EPA:200.8 (µg/L)	Thallium EPA:200.8 (µg/L)	Vanadium EPA:200.7 (µg/L)	Zinc EPA:200.7 (µg/L)
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/14	CAM5 Sample 1[b]	2013-2128	WT_IPC-13-32120	09/12/13	F[c]	—[d]	—	—	—	—	—	—	39.5	—	—	—	—	—	—	—	—
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/14	CAM5 Sample 2[e]	2014-4299	WT_IPC-14-55939	07/31/14	F	—	—	—	—	—	—	—	27.6	—	—	—	—	—	—	—	—
E009	2M-SMA-1.7	SS2438	07/27/12	09/29/14	CAM5 Sample 1	2014-3880	WT_IPC-14-55933	07/08/14	F	—	—	—	—	—	—	—	4.6	—	—	—	—	—	—	—	—
E009	2M-SMA-1.7	SS2438	07/27/12	09/29/14	CAM5 Sample 2	2014-4453	WT_IPC-14-55936	08/26/14	F	—	—	—	—	—	—	—	3.57	—	—	—	—	—	—	—	—
H003	3M-SMA-0.5	SS141505	04/30/12	08/18/14	MEx[f]	2014-3809	WT_IPC-14-76521	07/09/14	F	141	<3[g]	<5	17	<1	<10	<5	4.35	<2	—	1.39	—	<1	<2	2.6	<10
H003	3M-SMA-0.5	SS141505	04/30/12	08/18/14	MEx	2014-3809	WT_IPC-14-76522	07/09/14	UF[h]	—	—	—	—	—	—	—	—	—	0.12	—	<5	—	—	—	—
H006	3M-SMA-4	SS101504	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55909	07/29/14	F	593	<3	<5	18	<1	<10	2.1	4.72	<2	—	1.31	—	<1	<2	1.4	<10
H006	3M-SMA-4	SS101504	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55990	07/29/14	UF	—	—	—	—	—	—	—	—	—	0.37	—	<5	—	—	—	—
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55864	07/31/14	F	716	<3	<5	<50	<1	<10	2.2	10	1.27	—	1.07	—	<1	<2	2.8	<10
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55983	07/31/14	UF	—	—	—	—	—	—	—	—	—	0.43	—	<5	—	—	—	—
V014	CDV-SMA-8	SS25630	04/30/12	10/07/14	MEx	2014-4217	WT_IPC-14-55822	07/31/14	F	1360	<3	<5	<50	<1	<10	2.2	4	0.92	—	1.42	—	<1	<2	2.2	5.37
V014	CDV-SMA-8	SS25630	04/30/12	10/07/14	MEx	2014-4217	WT_IPC-14-56095	07/31/14	UF	—	—	—	—	—	—	—	—	—	0.12	—	<5	—	—	—	—
Q001	CHQ-SMA-0.5	SS090601	04/30/12	09/22/14	MEx	2014-4017	WT_IPC-14-55867	07/23/14	F	385	<3	<5	<50	<1	<10	<5	2	<2	—	0.51	—	<1	<2	1.4	<10
Q001	CHQ-SMA-0.5	SS090601	04/30/12	09/22/14	MEx	2014-4017	WT_IPC-14-55967	07/23/14	UF	—	—	—	—	—	—	—	—	—	<0.2	—	<5	—	—	—	—
F001	F-SMA-2	SS092401	07/27/14	09/08/14	CAM5 Sample 1	2014-3914	WT_IPC-14-81182	07/15/14	F	306	—	—	—	—	—	—	10.8	—	—	—	—	—	—	—	—
F001	F-SMA-2	SS092401	07/27/14	09/08/14	CAM5 Sample 2	2014-4138	WT_IPC-14-81183	07/31/14	F	123	—	—	—	—	—	—	3.79	—	—	—	—	—	—	—	—
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 1	2013-2098	WT_IPC-13-32488	09/13/13	F	800	<3	<5	19	<1	2.8	2.2	3.03	4.19	—	1.36	—	<1	<2	4.9	6.43
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 1	2013-2098	WT_IPC-13-32154	09/13/13	UF	—	—	—	—	—	—	—	—	—	0.38	—	4.9	—	—	—	—
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-56019	07/29/14	UF	—	—	—	—	—	—	—	—	—	0.35	—	4.1	—	—	—	—
L014	LA-SMA-5.35	SS091014	11/27/12	08/19/14	CAM5 Sample 1	2014-3809	WT_IPC-14-55935	06/21/14	F	—	—	—	—	—	—	—	11.3	—	—	—	—	—	—	—	—
L014	LA-SMA-5.35	SS091014	11/27/12	08/19/14	CAM5 Sample 2	2014-4299	WT_IPC-14-55934	07/19/14	F	—	—	—	—	—	—	—	3.98	—	—	—	—	—	—	—	—
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55873	07/29/14	F	1070	1.3	<5	15	<1	<10	2.1	1.96	1.08	—	1.36	—	<1	<2	1.9	3.76
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-56032	07/29/14	UF	—	—	—	—	—	—	—	—	—	0.99	—	1.5	—	—	—	—
L029	LA-SMA-9	SS0304	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-55827	08/10/14	F	656	1.3	<5	21	<1	<10	<5	3.4	1.06	—	1.69	—	<1	<2	4.5	<10
L029	LA-SMA-9	SS0304	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-56054	08/10/14	UF	—	—	—	—	—	—	—	—	—	0.77	—	3.7	—	—	—	—
M002B	M-SMA-1.22	SS091228	05/02/14	10/20/14	CAM5 Sample 1	2013-2007	WT_IPC-13-34611	09/12/13	F	419	—	—	—	—	—	—	5.96	—	—	—	—	—	—	—	—
M002B	M-SMA-1.22	SS091228	05/02/14	10/20/14	CAM5 Sample 2	2014-4299	WT_IPC-14-55816	07/29/14	F	321	—	—	—	—	—	—	3.72	—	—	—	—	—	—	—	—
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-55838	07/07/14	F	146	<3	<5	<50	0.15	<10	<5	16.8	<2	—	1.14	—	<1	<2	2.3	<10
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-56002	07/07/14	UF	—	—	—	—	—	—	—	—	—	<0.2	—	<5	—	—	—	—
J007	PJ-SMA-6	SS24255	10/31/11	08/18/14	MEx	2014-3890	WT_IPC-14-55841	07/08/14	F	123	<3	<5	19	<1	<10	<5	2.84	<2	—	0.84	—	<1	<2	1.1	7.92

Table B-8 (continued)

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Aluminum EPA:200.8 (µg/L)	Antimony EPA:200.8 (µg/L)	Arsenic EPA:200.8 (µg/L)	Boron EPA:200.7 (µg/L)	Cadmium EPA:200.8 (µg/L)	Chromium EPA:200.8 (µg/L)	Cobalt EPA:200.7 (µg/L)	Copper EPA:200.8 (µg/L)	Lead EPA:200.8 (µg/L)	Mercury EPA:245.2 (µg/L)	Nickel EPA:200.8 (µg/L)	Selenium EPA:200.8 (µg/L)	Silver EPA:200.8 (µg/L)	Thallium EPA:200.8 (µg/L)	Vanadium EPA:200.7 (µg/L)	Zinc EPA:200.7 (µg/L)
J007	PJ-SMA-6	SS24255	10/31/11	08/18/14	MEx	2014-3890	WT_IPC-14-56104	07/08/14	UF	—	—	—	—	—	—	—	—	—	0.16	—	<5	—	—	—	—
J010	PJ-SMA-9	SS2427	10/31/11	08/04/14	MEx	2014-3623	WT_IPC-14-55842	06/21/14	F	133	<3	<5	<50	<1	<10	2.2	7.76	<2	—	0.77	—	<1	<2	1.4	18.1
J010	PJ-SMA-9	SS2427	10/31/11	08/04/14	MEx	2014-3623	WT_IPC-14-56003	06/21/14	UF	—	—	—	—	—	—	—	—	—	0.07	—	<5	—	—	—	—
P006	P-SMA-2	SS057	04/30/12	08/11/14	MEx	2014-4542	WT_IPC-14-55836	09/05/14	F	80.6	<3	<5	23	<1	<10	1.3	3.38	<2	—	1.26	—	<1	<2	1.1	<6.37
P006	P-SMA-2	SS057	04/30/12	08/11/14	MEx	2014-4542	WT_IPC-14-56012	09/05/14	UF	—	—	—	—	—	—	—	—	—	0.5	—	2	—	—	—	—
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 1	2014-3766	WT_IPC-14-55946	07/09/14	F	494	<3	<5	17	<1	<10	1	45.5	0.85	—	1.1	—	<1	<2	3.6	4.59
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 1	2014-3766	WT_IPC-14-55973	07/09/14	UF	—	—	—	—	—	—	—	—	—	0.15	—	<5	—	—	—	—
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-55951	07/31/14	F	599	1.1	<5	<50	0.11	<10	2.2	21.4	0.87	—	1.01	—	<1	<2	2.8	<10
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-55975	07/31/14	UF	—	—	—	—	—	—	—	—	—	0.2	—	<5	—	—	—	—
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-55843	07/07/14	F	382	4.1	<5	22	0.13	<10	<5	10.3	2.22	—	1.64	—	<1	<2	2.7	5.35
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	—	—	—	—	—	—	—	—	—	0.34	—	<5	—	—	—	—
I005	PT-SMA-3	SS094807	10/31/11	08/25/14	MEx	2014-3936	WT_IPC-14-55900	07/15/14	F	685	<3	<5	<50	<1	<10	2.5	1.69	<2	—	1.19	—	<1	<2	2.3	<10
I005	PT-SMA-3	SS094807	10/31/11	08/25/14	MEx	2014-3936	WT_IPC-14-55987	07/15/14	UF	—	—	—	—	—	—	—	—	—	0.37	—	<5	—	—	—	—
I007	PT-SMA-4.2	SS094806	10/31/11	08/11/14	MEx	2014-3674	WT_IPC-14-55899	07/02/14	F	278	<3	<5	<50	<1	<10	<5	2.15	<2	—	1.29	—	<1	<2	1.9	<10
I007	PT-SMA-4.2	SS094806	10/31/11	08/11/14	MEx	2014-3674	WT_IPC-14-55986	07/02/14	UF	—	—	—	—	—	—	—	—	—	0.26	—	<5	—	—	—	—
S001	S-SMA-0.25	SS091601	06/24/14	11/3/2014	CAM3 Sample 1[i]	2014-4009	WT_IPC-14-85012	07/15/14	F	—	—	—	—	—	—	—	15.2	—	—	—	—	—	—	—	103
S001	S-SMA-0.25	SS091601	06/24/14	11/3/2014	CAM3 Sample 2[j]	2014-4511	WT_IPC-14-85013	08/22/14	F	—	—	—	—	—	—	—	9.79	—	—	—	—	—	—	—	27.1
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 1	2014-3785	WT_IPC-14-55941	07/07/14	F	84.7	<3	<5	<50	<1	<10	<5	2.24	<2	—	0.59	—	<1	<2	2.4	<10
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 1	2014-3785	WT_IPC-14-56017	07/07/14	UF	—	—	—	—	—	—	—	—	—	0.08	—	<5	—	—	—	—
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 2	2014-4217	WT_IPC-14-55942	07/29/14	F	272	<3	<5	<50	<1	<10	<5	1.68	<2	—	<2	—	<1	<2	2.3	<10
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 2	2014-4217	WT_IPC-14-56018	07/29/14	UF	—	—	—	—	—	—	—	—	—	<0.2	—	<5	—	—	—	—
S005B	S-SMA-3.53	SS091605	05/02/13	08/18/14	CAM3 Sample 1	2014-3785	WT_IPC-14-55812	07/07/14	F	208	—	—	—	—	—	—	7.41	—	—	—	—	—	—	—	—
S015	S-SMA-5.5	SS091619	04/30/12	09/11/14	MEx	2014-4326	WT_IPC-14-55888	07/31/14	F	655	<3	<5	<50	<1	<10	<5	2.41	0.54	—	1.27	—	<1	<2	3.9	<10
S015	S-SMA-5.5	SS091619	04/30/12	09/11/14	MEx	2014-4326	WT_IPC-14-56078	07/31/14	UF	—	—	—	—	—	—	—	—	—	0.39	—	<5	—	—	—	—
T008	T-SMA-6.8	SS103716	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-55915	07/31/14	F	188	<3	<5	24	<1	<10	<5	4.05	<2	—	1.19	—	<1	<2	1.6	<10
T008	T-SMA-6.8	SS103716	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-56087	07/31/14	UF	—	—	—	—	—	—	—	—	—	0.68	—	<5	—	—	—	—
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 1	2013-2126	WT_IPC-13-32495	09/12/13	F	1010	<3	<5	19	<1	<10	1.5	4.01	0.81	—	2.28	—	<1	<2	5	12.8
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 1	2013-2125	WT_IPC-13-32167	09/12/13	UF	—	—	—	—	—	—	—	—	—	0.12	—	<5	—	—	—	—
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 2	2014-4010	WT_IPC-14-55959	07/19/14	F	858	<3	<5	18	<1	<10	1.2	4.45	0.81	—	2	—	<1	<2	2.4	<10
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 2	2014-4010	WT_IPC-14-56051	07/19/14	UF	—	—	—	—	—	—	—	—	—	0.1	—	<5	—	—	—	—
W002	W-SMA-1.5	SS103928	09/25/12	10/20/14	CAM5 Sample 1	2014-4010	WT_IPC-14-55929	07/19/14	F	—	—	—	—	—	—	—	6.9	—	—	—	—	—	—	—	11.5
W002	W-SMA-1.5	SS103928	09/25/12	10/20/14	CAM5 Sample 2	2014-4299	WT_IPC-14-55931	07/31/14	F	—	—	—	—	—	—	—	2.97	—	—	—	—	—	—	—	6.29

Table B-8 (continued)

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Aluminum EPA:200.8 (µg/L)	Antimony EPA:200.8 (µg/L)	Arsenic EPA:200.8 (µg/L)	Boron EPA:200.7 (µg/L)	Cadmium EPA:200.8 (µg/L)	Chromium EPA:200.8 (µg/L)	Cobalt EPA:200.7 (µg/L)	Copper EPA:200.8 (µg/L)	Lead EPA:200.8 (µg/L)	Mercury EPA:245.2 (µg/L)	Nickel EPA:200.8 (µg/L)	Selenium EPA:200.8 (µg/L)	Silver EPA:200.8 (µg/L)	Thallium EPA:200.8 (µg/L)	Vanadium EPA:200.7 (µg/L)	Zinc EPA:200.7 (µg/L)
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 1	2013-2008	WT_IPC-13-32492	09/13/13	F	233	<3	2	<50	<1	<10	<5	2.66	<2	—	0.57	—	<1	<2	2.2	<10
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 1	2013-2008	WT_IPC-13-32037	09/13/13	UF	—	—	—	—	—	—	—	—	—	<0.2	—	<5	—	—	—	—
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 2	2014-3914	WT_IPC-14-55957	07/15/14	F	283	<3	<5	<25	<1	<10	1.5	1.8	<2	—	0.83	—	<1	<2	4	<10
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 2	2014-3914	WT_IPC-14-55972	07/15/14	UF	—	—	—	—	—	—	—	—	—	0.19	—	<5	—	—	—	—
W008	W-SMA-7	SS25243	04/30/12	08/11/14	MEx	2014-3752	WT_IPC-14-55927	07/08/14	F	492	<3	<5	17	<1	<10	<5	2.89	<2	—	1.8	—	<1	<2	2.2	4.26
W008	W-SMA-7	SS25243	04/30/12	08/11/14	MEx	2014-3752	WT_IPC-14-56093	07/08/14	UF	—	—	—	—	—	—	—	—	—	0.15	—	<5	—	—	—	—

[a] COC = Chain of custody.

[b] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[c] F = Filtered.

[d] — = The sample is not analyzed for the associated parameters.

[e] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[f] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[g] < = The analyte was not detected in the sample; the reported value is the laboratory reporting limit.

[h] UF = Unfiltered.

[i] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[j] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table B-9
Results for General Inorganics

Permitted Feature	SMA	Station Name	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	CN(WAD)[b] ASTM:D2036 (mg/L)
H003	3M-SMA-0.5	SS141505	04/30/12	08/18/14	MEx[c]	2014-3809	WT_IPC-14-76522	07/09/14	UF[d]	<0.005[e]
H006	3M-SMA-4	SS101504	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55990	07/29/14	UF	<0.005
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55983	07/31/14	UF	<0.005
V014	CDV-SMA-8	SS25630	04/30/12	10/07/14	MEx	2014-4217	WT_IPC-14-56095	07/31/14	UF	<0.005
Q001	CHQ-SMA-0.5	SS090601	04/30/12	09/22/14	MEx	2014-4017	WT_IPC-14-55967	07/23/14	UF	<0.005
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 1[f]	2013-2098	WT_IPC-13-32154	09/13/13	UF	<0.005
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 2[g]	2014-4217	WT_IPC-14-56019	07/29/14	UF	<0.005
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-56032	07/29/14	UF	<0.005
L029	LA-SMA-9	SS0304	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-56054	08/10/14	UF	<0.005
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-56002	07/07/14	UF	<0.005
J007	PJ-SMA-6	SS24255	10/31/11	08/18/14	MEx	2014-3890	WT_IPC-14-56104	07/08/14	UF	<0.005
J010	PJ-SMA-9	SS2427	10/31/11	08/04/14	MEx	2014-3623	WT_IPC-14-56003	06/21/14	UF	<0.005
P006	P-SMA-2	SS057	04/30/12	08/11/14	MEx	2014-4542	WT_IPC-14-56012	09/05/14	UF	0.00173
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 1	2014-3766	WT_IPC-14-55973	07/09/14	UF	<0.005
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-55975	07/31/14	UF	<0.005
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	<0.005
I005	PT-SMA-3	SS094807	10/31/11	08/25/14	MEx	2014-3936	WT_IPC-14-55987	07/15/14	UF	<0.005
I007	PT-SMA-4.2	SS094806	10/31/11	08/11/14	MEx	2014-3674	WT_IPC-14-55986	07/02/14	UF	<0.005
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 1[h]	2014-3785	WT_IPC-14-56017	07/07/14	UF	<0.005
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 2[i]	2014-4217	WT_IPC-14-56018	07/29/14	UF	0.00219
S015	S-SMA-5.5	SS091619	04/30/12	09/11/14	MEx	2014-4326	WT_IPC-14-56078	07/31/14	UF	<0.005
T008	T-SMA-6.8	SS103716	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-56087	07/31/14	UF	<0.005
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 1	2013-2122	WT_IPC-13-32167	09/12/13	UF	<0.005
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 2	2014-4010	WT_IPC-14-56051	07/19/14	UF	<0.005
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 1	2013-2008	WT_IPC-13-32037	09/13/13	UF	<0.005
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 2	2014-3914	WT_IPC-14-55972	07/15/14	UF	<0.005
W008	W-SMA-7	SS25243	04/30/12	08/11/14	MEx	2014-3752	WT_IPC-14-56093	07/08/14	UF	<0.005

[a] COC = Chain of custody.

[b] CN(WAD) = Cyanide (weak acid dissociable).

[c] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[d] UF = Unfiltered.

[e] < = The analyte was not detected in the sample; the reported value is the laboratory reporting limit.

[f] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[g] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[h] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[i] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table B-10
Results for Radioactivity

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Gross Alpha EPA:900 (pCi/L)	Radium-226 and Radium-228 EPA:903.1+ EPA:904 (pCi/L)
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/14	CAM5 Sample 1[b]	2013-2128	WT_IPC-13-32474	09/12/13	UF[c]	4	—[d]
E004	2M-SMA-1.44	SS093205	06/27/12	10/20/14	CAM5 Sample 2[e]	2014-4299	WT_IPC-14-56115	07/31/14	UF	4.06	—
H003	3M-SMA-0.5	SS141505	04/30/12	08/18/14	MEx[f]	2014-3809	WT_IPC-14-76522	07/09/14	UF	29.5	12.7
H006	3M-SMA-4	SS101504	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55990	07/29/14	UF	259	16.4
V008	CDV-SMA-2.41	SS090407	06/27/14	—	CAM5 Sample 1	2014-3809	WT_IPC-14-81180	07/08/14	UF	94.2	—
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55983	07/31/14	UF	140	46.3
V014	CDV-SMA-8	SS25630	04/30/12	10/07/14	MEx	2014-4217	WT_IPC-14-56095	07/31/14	UF	53.4	5.44
Q001	CHQ-SMA-0.5	SS090601	04/30/12	09/22/14	MEx	2014-4017	WT_IPC-14-55967	07/23/14	UF	88.3	11.6
F001	F-SMA-2	SS092401	07/27/14	09/08/14	CAM5 Sample 1	2014-3914	WT_IPC-14-81184	07/15/14	UF	112	—
F001	F-SMA-2	SS092401	07/27/14	09/08/14	CAM5 Sample 2	2014-4138	WT_IPC-14-81185	07/31/14	UF	58.9	—
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 1	2013-2098	WT_IPC-13-32154	09/13/13	UF	434	8.65
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-56019	07/29/14	UF	73.3	<57.9[g]
L014	LA-SMA-5.35	SS091014	11/27/12	08/19/14	CAM5 Sample 1	2014-3809	WT_IPC-14-56108	07/21/14	UF	118	—
L014	LA-SMA-5.35	SS091014	11/27/12	08/19/14	CAM5 Sample 2	2014-4299	WT_IPC-14-56107	07/19/14	UF	4.27	—
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-56032	07/29/14	UF	171	20.7
L019	LA-SMA-5.91	SS091019	07/08/13	08/25/14	CAM5 Sample 1	2013-2128	WT_IPC-13-40974	09/12/13	UF	15.7	—
L019	LA-SMA-5.91	SS091019	07/08/13	08/25/14	CAM5 Sample 2	2014-3984	WT_IPC-14-56132	07/15/14	UF	169	—
L029	LA-SMA-9	SS0304	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-56054	08/10/14	UF	208	23.4
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-56002	07/07/14	UF	280	26.5
J007	PJ-SMA-6	SS24255	10/31/11	08/18/14	MEx	2014-3890	WT_IPC-14-56104	07/08/14	UF	81.6	4.59
J010	PJ-SMA-9	SS2427	10/31/11	08/04/14	MEx	2014-3623	WT_IPC-14-56003	06/21/14	UF	41.6	<1.29
P006	P-SMA-2	SS057	04/30/12	08/11/14	MEx	2014-4542	WT_IPC-14-56012	09/05/14	UF	130	11.2
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 1	2014-3766	WT_IPC-14-55973	07/09/14	UF	650	<3.85
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-55975	07/31/14	UF	4440	18.4
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	290	5.52
I005	PT-SMA-3	SS094807	10/31/11	08/25/14	MEx	2014-3936	WT_IPC-14-55987	07/15/14	UF	548	21.2
I007	PT-SMA-4.2	SS094806	10/31/11	08/11/14	MEx	2014-3674	WT_IPC-14-55986	07/02/14	UF	393	95.9
S001	S-SMA-0.25	SS091601	06/24/14	11/04/14	CAM3 Sample 1[h]	2014-4009	WT_IPC-14-85010	07/15/14	UF	<3.03	—
S001	S-SMA-0.25	SS091601	06/24/14	11/04/14	CAM3 Sample 2[i]	2014-4511	WT_IPC-14-85011	08/22/14	UF	<0.166	—
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 1	2014-3785	WT_IPC-14-56017	07/07/14	UF	39.9	4.14
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 2	2014-4217	WT_IPC-14-56018	07/29/14	UF	10.1	3.69
S005B	S-SMA-3.53	SS091605	05/02/13	08/18/14	CAM3 Sample 1	2014-3785	WT_IPC-14-56117	07/07/14	UF	34.4	—
S015	S-SMA-5.5	SS091619	04/30/12	09/11/14	MEx	2014-4326	WT_IPC-14-56078	07/31/14	UF	91	16.7
T008	T-SMA-6.8	SS103716	04/30/12	09/17/14	MEx	2014-4356	WT_IPC-14-56087	07/31/14	UF	163	11
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 1	2013-2125	WT_IPC-13-32167	09/12/13	UF	314	<0.953

Table B-10 (continued)

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Gross Alpha EPA:900 (pCi/L)	Radium-226 and Radium-228 EPA:903.1+ EPA:904 (pCi/L)
W001	W-SMA-1	SS133939	05/02/13	08/29/14	CAM5 Sample 2	2014-4010	WT_IPC-14-56051	07/19/14	UF	8.13	1.81
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 1	2013-2008	WT_IPC-13-32037	09/13/13	UF	38.7	1.97
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 2	2014-3914	WT_IPC-14-55972	07/15/14	UF	96.2	8.28
W008	W-SMA-7	SS25243	04/30/12	08/11/14	MEx	2014-3752	WT_IPC-14-56093	07/08/14	UF	427	42

[a] COC = Chain of custody.

[b] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[c] UF = Unfiltered.

[d] — = The sample is not analyzed for the associated parameters.

[e] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[f] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[g] < = The analyte was not detected in the sample; the reported value is the laboratory reporting limit.

[h] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[i] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table B-11
Results for Total PCBs

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Total PCB EPA:1668A (µg/L)
V008	CDV-SMA-2.41	SS090407	06/27/14	—[b]	CAM5 Sample 1[c]	2014-3805	WT_IPC-14-81180	07/08/14	UF[d]	0.0253
Q001	CHQ-SMA-0.5	SS090601	04/30/12	09/22/14	MEx[e]	2014-4028	WT_IPC-14-55967	07/23/14	UF	0.0119
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 1	2013-2104	WT_IPC-13-32154	09/13/13	UF	0.0175
L003	LA-SMA-1	SS121044	11/27/12	10/07/14	CAM5 Sample 2[f]	2014-4225	WT_IPC-14-56019	07/29/14	UF	0.0306
L018A	LA-SMA-5.52	SS091016	04/30/12	10/20/14	MEx	2014-4262	WT_IPC-14-56032	07/29/14	UF	0.307
S001	S-SMA-0.25	SS091601	06/24/14	11/04/14	CAM3 Sample 1[g]	2014-4014	WT_IPC-14-85010	07/15/14	UF	0.0418
S001	S-SMA-0.25	SS091601	06/24/14	11/04/14	CAM3 Sample 2[h]	2014-4513	WT_IPC-14-85011	08/22/14	UF	0.004
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 1	2014-3787	WT_IPC-14-56017	07/07/14	UF	0.0182
S002	S-SMA-1.1	SS121634	11/27/14	10/07/14	CAM3 Sample 2	2014-4225	WT_IPC-14-56018	07/29/14	UF	0.0187
S005B	S-SMA-3.53	SS091605	05/02/13	08/18/14	CAM3 Sample 1	2014-3787	WT_IPC-14-56117	07/07/14	UF	0.0997

[a] COC = Chain of custody.

[b] — = Stage is not complete.

[c] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[d] UF = Unfiltered.

[e] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[f] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[g] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[h] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table B-12
Results for Organic Analytes

Permitted Feature	SMA	Station Number	Stage Initiate Date	Stage Complete Date	Stage Number	COC[a]	Sample	Sample Date	Field Prep	Benzo(a)pyrene EPA:625 (µg/L)	Hexachlorobenzene EPA:625 (µg/L)	Pentachlorophenol EPA:625 (µg/L)	RDX SW-846:8321A (µg/L)	Trinitrotoluene(2,4,6-) SW-846:8321A (µg/L)	TCDD(2,3,7,8-) EPA:1613B (µg/L)
H003	3M-SMA-0.5	SS141505	04/30/12	08/18/14	MEx[b]	2014-3809	WT_IPC-14-76522	07/09/14	UF[c]	—[d]	—	—	<0.281[e]	<0.281	—
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55983	07/31/14	UF	—	—	—	—	<0.296	—
V012	CDV-SMA-6.01	SS090410	04/30/12	10/20/14	MEx	2014-4259	WT_IPC-14-55983	07/31/14	UF	—	—	—	6.15	—	—
V014	CDV-SMA-8	SS25630	04/30/12	10/07/14	MEx	2014-4217	WT_IPC-14-56095	07/31/14	UF	<1	<10	<10	—	—	—
Q001	CHQ-SMA-0.5	SS090601	04/30/12	09/22/14	MEx	2014-4017	WT_IPC-14-55967	07/23/14	UF	—	—	—	<0.301	<0.301	—
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-56002	07/07/14	UF	—	—	—	—	<0.313	—
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-56002	07/07/14	UF	—	—	—	0.171	—	—
J012	PJ-SMA-10	SS132340	04/30/12	08/11/14	MEx	2014-3736	WT_IPC-14-56002	07/07/14	UF	<1	<10	<10	—	—	—
J010	PJ-SMA-9	SS2427	10/31/11	08/04/14	MEx	2014-3623	WT_IPC-14-56003	06/21/14	UF	—	—	—	<0.281	<0.281	—
J010	PJ-SMA-9	SS2427	10/31/11	08/04/14	MEx	2014-3623	WT_IPC-14-56003	06/21/14	UF	<1	<10	<10	—	—	—
P006	P-SMA-2	SS057	04/30/12	08/11/14	MEx	2014-4550	WT_IPC-14-56012	09/05/14	UF	—	—	—	—	—	<0.0000126
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 1[f]	2014-3766	WT_IPC-14-55973	07/09/14	UF	—	—	—	<0.313	<0.313	—
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 2[g]	2014-4217	WT_IPC-14-55975	07/31/14	UF	—	—	—	<0.287	<0.287	—
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 1	2014-3766	WT_IPC-14-55973	07/09/14	UF	<0.962	<9.62	<9.62	—	—	—
I002	PT-SMA-1	SS124815	08/03/12	10/07/14	CAM5 Sample 2	2014-4217	WT_IPC-14-55975	07/31/14	UF	<1	<10	<10	—	—	—
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	—	—	—	<0.298	<0.298	—
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	<0.962	<9.62	<9.62	—	—	—
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	—	—	—	<0.298	<0.298	—
I004	PT-SMA-2	SS2658	04/30/12	08/11/14	MEx	2014-3766	WT_IPC-14-56004	07/07/14	UF	<0.962	<9.62	<9.62	—	—	—
I005	PT-SMA-3	SS094807	10/31/11	08/25/14	MEx	2014-3936	WT_IPC-14-55987	07/15/14	UF	—	—	—	<0.275	<0.275	—
I007	PT-SMA-4.2	SS094806	10/31/11	08/11/14	MEx	2014-3674	WT_IPC-14-55986	07/02/14	UF	—	—	—	<0.305	<0.305	—
S001	S-SMA-0.25	SS091601	06/24/14	11/03/14	CAM3 Sample 1[h]	2014-4009	WT_IPC-14-85010	07/15/14	UF	<1.28	<12.8	<12.8	—	—	—
S001	S-SMA-0.25	SS091601	06/24/14	11/03/14	CAM3 Sample 2[i]	2014-4511	WT_IPC-14-85011	08/22/14	UF	<1.11	<11.1	<11.1	—	—	—
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 1	2013-2008	WT_IPC-13-32037	09/13/13	UF	—	—	—	<0.281	<0.281	—
W021	W-SMA-14.1	SS123937	09/25/12	08/25/14	CAM5 Sample 2	2014-3914	WT_IPC-14-55972	07/15/14	UF	—	—	—	<0.314	<0.314	—

[a] COC = Chain of custody.

[b] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[c] UF = Unfiltered.

[d] — = The sample is not analyzed for the associated parameters.

[e] < = The analyte was not detected in the sample; the reported value is the laboratory reporting limit.

[f] CAM5 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[g] CAM5 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

[h] CAM3 Sample 1 = Corrective action enhanced control monitoring: First confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

[i] CAM3 Sample 2 = Corrective action enhanced control monitoring: Second confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

Table B-13
2014 Compliance Results Screened to TALs

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
2M-SMA-1.44	Metals	CAM5[a]	Copper	µg/L	2	2	100%	n/a[b]	n/a	n/a	4.3	2	100%	27.6 to 39.5
2M-SMA-1.44	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	4.03	0.269	n/a	n/a	n/a	4 to 4.06
2M-SMA-1.7	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.57 to 4.6
3M-SMA-0.5	Metals	MEx[c]	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	141
3M-SMA-0.5	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1[d]	n/a	n/a	n/a	(3)[e]
3M-SMA-0.5	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
3M-SMA-0.5	Metals	MEx	Boron	µg/L	1	1	100%	5000	16.5	0.0033	n/a	n/a	n/a	16.5
3M-SMA-0.5	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
3M-SMA-0.5	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
3M-SMA-0.5	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
3M-SMA-0.5	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	4.35
3M-SMA-0.5	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
3M-SMA-0.5	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	29.5	1.97	n/a	n/a	n/a	29.5
3M-SMA-0.5	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
3M-SMA-0.5	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.12	0.156	1.4	0	0%	0.12
3M-SMA-0.5	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.39
3M-SMA-0.5	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	12.7	0.423	n/a	n/a	n/a	12.7
3M-SMA-0.5	High Explosives	MEx	RDX	µg/L	1	0	0%	200	Nondetect	<1	n/a	n/a	n/a	(0.281)
3M-SMA-0.5	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
3M-SMA-0.5	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
3M-SMA-0.5	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
3M-SMA-0.5	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.281)
3M-SMA-0.5	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.62	0.0262	n/a	n/a	n/a	2.62
3M-SMA-0.5	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
3M-SMA-4	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	593
3M-SMA-4	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
3M-SMA-4	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
3M-SMA-4	Metals	MEx	Boron	µg/L	1	1	100%	5000	18.3	0.00366	n/a	n/a	n/a	18.3
3M-SMA-4	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
3M-SMA-4	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
3M-SMA-4	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	2.05	0.00205	n/a	n/a	n/a	2.05
3M-SMA-4	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	4.72
3M-SMA-4	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
3M-SMA-4	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	259	17.3	n/a	n/a	n/a	259
3M-SMA-4	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
3M-SMA-4	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.372	0.483	1.4	0	0%	0.372

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
3M-SMA-4	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.31
3M-SMA-4	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	16.4	0.547	n/a	n/a	n/a	16.4
3M-SMA-4	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
3M-SMA-4	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
3M-SMA-4	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
3M-SMA-4	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.37	0.0137	n/a	n/a	n/a	1.37
3M-SMA-4	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
CDV-SMA-2.41	Radionuclides	CAM5	Gross alpha	pCi/L	1	1	100%	15	94.2	6.28	n/a	n/a	n/a	94.2
CDV-SMA-2.41	PCBs	CAM5	Total PCB	µg/L	1	1	100%	0.00064	0.0253	39.5	n/a	n/a	n/a	0.0253
CDV-SMA-6.01	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	716
CDV-SMA-6.01	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
CDV-SMA-6.01	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
CDV-SMA-6.01	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
CDV-SMA-6.01	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
CDV-SMA-6.01	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
CDV-SMA-6.01	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	2.19	0.00219	n/a	n/a	n/a	2.19
CDV-SMA-6.01	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	10
CDV-SMA-6.01	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
CDV-SMA-6.01	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	140	9.33	n/a	n/a	n/a	140
CDV-SMA-6.01	Metals	MEx	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	1.27
CDV-SMA-6.01	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.426	0.553	1.4	0	0%	0.426
CDV-SMA-6.01	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.07
CDV-SMA-6.01	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	46.3	1.54	n/a	n/a	n/a	46.3
CDV-SMA-6.01	High Explosives	MEx	RDX	µg/L	1	1	100%	200	6.15	0.0308	n/a	n/a	n/a	6.15
CDV-SMA-6.01	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
CDV-SMA-6.01	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
CDV-SMA-6.01	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
CDV-SMA-6.01	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.296)
CDV-SMA-6.01	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.79	0.0279	n/a	n/a	n/a	2.79
CDV-SMA-6.01	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
CDV-SMA-8	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	1	100%	1360
CDV-SMA-8	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
CDV-SMA-8	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
CDV-SMA-8	Semivolatiles	MEx	Benzo(a)pyrene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(1)
CDV-SMA-8	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
CDV-SMA-8	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
CDV-SMA-8	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
CDV-SMA-8	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	2.22	0.00222	n/a	n/a	n/a	2.22

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
CDV-SMA-8	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	4
CDV-SMA-8	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
CDV-SMA-8	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	53.4	3.56	n/a	n/a	n/a	53.4
CDV-SMA-8	Semivolatiles	MEx	Hexachlorobenzene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(10)
CDV-SMA-8	Metals	MEx	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	0.917
CDV-SMA-8	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.124	0.161	1.4	0	0%	0.124
CDV-SMA-8	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.42
CDV-SMA-8	Semivolatiles	MEx	Pentachlorophenol	µg/L	1	0	0%	n/a	n/a	n/a	19	0	0%	(10)
CDV-SMA-8	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	5.44	0.181	n/a	n/a	n/a	5.44
CDV-SMA-8	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
CDV-SMA-8	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
CDV-SMA-8	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
CDV-SMA-8	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.21	0.0221	n/a	n/a	n/a	2.21
CDV-SMA-8	Metals	MEx	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	5.37
CHQ-SMA-0.5	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	385
CHQ-SMA-0.5	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
CHQ-SMA-0.5	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
CHQ-SMA-0.5	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
CHQ-SMA-0.5	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
CHQ-SMA-0.5	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
CHQ-SMA-0.5	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
CHQ-SMA-0.5	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	2
CHQ-SMA-0.5	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
CHQ-SMA-0.5	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	88.3	5.89	n/a	n/a	n/a	88.3
CHQ-SMA-0.5	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
CHQ-SMA-0.5	Metals	MEx	Mercury	µg/L	1	0	0%	0.77	Nondetect	<1	1.4	0	0%	(0.2)
CHQ-SMA-0.5	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	0.512
CHQ-SMA-0.5	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	11.6	0.387	n/a	n/a	n/a	11.6
CHQ-SMA-0.5	High Explosives	MEx	RDX	µg/L	1	0	0%	200	Nondetect	<1	n/a	n/a	n/a	(0.301)
CHQ-SMA-0.5	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
CHQ-SMA-0.5	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
CHQ-SMA-0.5	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
CHQ-SMA-0.5	PCBs	MEx	Total PCB	µg/L	1	1	100%	0.00064	0.0119	18.6	n/a	n/a	n/a	0.0119
CHQ-SMA-0.5	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.301)
CHQ-SMA-0.5	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.42	0.0142	n/a	n/a	n/a	1.42
CHQ-SMA-0.5	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
F-SMA-2	Metals	CAM5	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	0	0%	123 to 306
F-SMA-2	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.79 to 10.8

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
F-SMA-2	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	81.2	5.41	n/a	n/a	n/a	58.9 to 112
LA-SMA-1	Metals	CAM5	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	1	100%	800
LA-SMA-1	Metals	CAM5	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
LA-SMA-1	Metals	CAM5	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
LA-SMA-1	Metals	CAM5	Boron	µg/L	1	1	100%	5000	19.3	0.00386	n/a	n/a	n/a	19.3
LA-SMA-1	Metals	CAM5	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
LA-SMA-1	Metals	CAM5	Chromium	µg/L	1	1	100%	n/a	n/a	n/a	210	0	0%	2.77
LA-SMA-1	Metals	CAM5	Cobalt	µg/L	1	1	100%	1000	2.18	0.00218	n/a	n/a	n/a	2.18
LA-SMA-1	Metals	CAM5	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	3.03
LA-SMA-1	Cyanide	CAM5	Cyanide, weak acid dissociable	mg/L	2	0	0%	0.01	0	0	0.022	0	0%	(0.005) to (0.005)
LA-SMA-1	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	178	11.9	n/a	n/a	n/a	73.3 to 434
LA-SMA-1	Metals	CAM5	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	4.19
LA-SMA-1	Metals	CAM5	Mercury	µg/L	2	2	100%	0.77	0.361	0.469	1.4	0	0%	0.347 to 0.376
LA-SMA-1	Metals	CAM5	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.36
LA-SMA-1	Radionuclides	CAM5	Radium-226 and Radium-228	pCi/L	2	1	50%	30	17.7	0.59	n/a	n/a	n/a	8.65 to (57.9)
LA-SMA-1	Metals	CAM5	Selenium	µg/L	2	2	100%	5	0	0	20	0	0%	4.08 to 4.94
LA-SMA-1	Metals	CAM5	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
LA-SMA-1	Metals	CAM5	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
LA-SMA-1	PCBs	CAM5	Total PCB	µg/L	2	2	100%	0.00064	0.0231	36.2	n/a	n/a	n/a	0.0175 to 0.0306
LA-SMA-1	Metals	CAM5	Vanadium	µg/L	1	1	100%	100	4.85	0.0485	n/a	n/a	n/a	4.85
LA-SMA-1	Metals	CAM5	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	6.43
LA-SMA-5.35	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.98 to 11.3
LA-SMA-5.35	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	22.4	1.5	n/a	n/a	n/a	4.27 to 118
LA-SMA-5.52	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	1	100%	1070
LA-SMA-5.52	Metals	MEx	Antimony	µg/L	1	1	100%	640	1.26	0.00197	n/a	n/a	n/a	1.26
LA-SMA-5.52	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
LA-SMA-5.52	Metals	MEx	Boron	µg/L	1	1	100%	5000	15.3	0.00306	n/a	n/a	n/a	15.3
LA-SMA-5.52	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
LA-SMA-5.52	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
LA-SMA-5.52	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	2.13	0.00213	n/a	n/a	n/a	2.13
LA-SMA-5.52	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	1.96
LA-SMA-5.52	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
LA-SMA-5.52	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	171	11.4	n/a	n/a	n/a	171
LA-SMA-5.52	Metals	MEx	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	1.08
LA-SMA-5.52	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.994	1.29	1.4	0	0%	0.994
LA-SMA-5.52	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.36
LA-SMA-5.52	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	20.7	0.69	n/a	n/a	n/a	20.7
LA-SMA-5.52	Metals	MEx	Selenium	µg/L	1	1	100%	5	1.5	0.3	20	0	0%	1.5

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
LA-SMA-5.52	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
LA-SMA-5.52	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
LA-SMA-5.52	PCBs	MEx	Total PCB	µg/L	1	1	100%	0.00064	0.307	480	n/a	n/a	n/a	0.307
LA-SMA-5.52	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.92	0.0192	n/a	n/a	n/a	1.92
LA-SMA-5.52	Metals	MEx	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	3.76
LA-SMA-5.91	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	51.5	3.43	n/a	n/a	n/a	15.7 to 169
LA-SMA-9	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	656
LA-SMA-9	Metals	MEx	Antimony	µg/L	1	1	100%	640	1.32	0.00206	n/a	n/a	n/a	1.32
LA-SMA-9	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
LA-SMA-9	Metals	MEx	Boron	µg/L	1	1	100%	5000	20.5	0.0041	n/a	n/a	n/a	20.5
LA-SMA-9	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
LA-SMA-9	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
LA-SMA-9	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
LA-SMA-9	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	3.4
LA-SMA-9	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
LA-SMA-9	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	208	13.9	n/a	n/a	n/a	208
LA-SMA-9	Metals	MEx	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	1.06
LA-SMA-9	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.767	0.996	1.4	0	0%	0.767
LA-SMA-9	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.69
LA-SMA-9	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	23.4	0.78	n/a	n/a	n/a	23.4
LA-SMA-9	Metals	MEx	Selenium	µg/L	1	1	100%	5	3.65	0.73	20	0	0%	3.65
LA-SMA-9	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
LA-SMA-9	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
LA-SMA-9	Metals	MEx	Vanadium	µg/L	1	1	100%	100	4.54	0.0454	n/a	n/a	n/a	4.54
LA-SMA-9	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
M-SMA-1.22	Metals	CAM5	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	0	0%	321 to 419
M-SMA-1.22	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	3.72 to 5.96
PJ-SMA-10	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	146
PJ-SMA-10	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
PJ-SMA-10	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
PJ-SMA-10	Semivolatiles	MEx	Benzo(a)pyrene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(1)
PJ-SMA-10	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
PJ-SMA-10	Metals	MEx	Cadmium	µg/L	1	1	100%	n/a	n/a	n/a	1	0	0%	0.145
PJ-SMA-10	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
PJ-SMA-10	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
PJ-SMA-10	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	16.8
PJ-SMA-10	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
PJ-SMA-10	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	280	18.7	n/a	n/a	n/a	280

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
PJ-SMA-10	Semivolatiles	MEx	Hexachlorobenzene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(10)
PJ-SMA-10	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
PJ-SMA-10	Metals	MEx	Mercury	µg/L	1	0	0%	0.77	Nondetect	<1	1.4	0	0%	(0.2)
PJ-SMA-10	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.14
PJ-SMA-10	Semivolatiles	MEx	Pentachlorophenol	µg/L	1	0	0%	n/a	n/a	n/a	19	0	0%	(10)
PJ-SMA-10	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	26.5	0.883	n/a	n/a	n/a	26.5
PJ-SMA-10	High Explosives	MEx	RDX	µg/L	1	1	100%	200	0.171	0.000855	n/a	n/a	n/a	0.171
PJ-SMA-10	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
PJ-SMA-10	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
PJ-SMA-10	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
PJ-SMA-10	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.313)
PJ-SMA-10	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.26	0.0226	n/a	n/a	n/a	2.26
PJ-SMA-10	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
PJ-SMA-6	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	123
PJ-SMA-6	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
PJ-SMA-6	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
PJ-SMA-6	Metals	MEx	Boron	µg/L	1	1	100%	5000	18.9	0.00378	n/a	n/a	n/a	18.9
PJ-SMA-6	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
PJ-SMA-6	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
PJ-SMA-6	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
PJ-SMA-6	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	2.84
PJ-SMA-6	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
PJ-SMA-6	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	81.6	5.44	n/a	n/a	n/a	81.6
PJ-SMA-6	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
PJ-SMA-6	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.161	0.209	1.4	0	0%	0.161
PJ-SMA-6	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	0.842
PJ-SMA-6	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	4.59	0.153	n/a	n/a	n/a	4.59
PJ-SMA-6	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
PJ-SMA-6	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
PJ-SMA-6	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
PJ-SMA-6	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.11	0.0111	n/a	n/a	n/a	1.11
PJ-SMA-6	Metals	MEx	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	7.92
PJ-SMA-9	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	133
PJ-SMA-9	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
PJ-SMA-9	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
PJ-SMA-9	Semivolatiles	MEx	Benzo(a)pyrene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(1)
PJ-SMA-9	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
PJ-SMA-9	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
PJ-SMA-9	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
PJ-SMA-9	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	2.22	0.00222	n/a	n/a	n/a	2.22
PJ-SMA-9	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	7.76
PJ-SMA-9	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
PJ-SMA-9	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	41.6	2.77	n/a	n/a	n/a	41.6
PJ-SMA-9	Semivolatiles	MEx	Hexachlorobenzene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(10)
PJ-SMA-9	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
PJ-SMA-9	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.07	0.0909	1.4	0	0%	0.07
PJ-SMA-9	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	0.773
PJ-SMA-9	Semivolatiles	MEx	Pentachlorophenol	µg/L	1	0	0%	n/a	n/a	n/a	19	0	0%	(10)
PJ-SMA-9	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	0	0%	30	Nondetect	<1	n/a	n/a	n/a	(1.29)
PJ-SMA-9	High Explosives	MEx	RDX	µg/L	1	0	0%	200	Nondetect	<1	n/a	n/a	n/a	(0.281)
PJ-SMA-9	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
PJ-SMA-9	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
PJ-SMA-9	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
PJ-SMA-9	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.281)
PJ-SMA-9	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.44	0.0144	n/a	n/a	n/a	1.44
PJ-SMA-9	Metals	MEx	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	18.1
P-SMA-2	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	80.6
P-SMA-2	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
P-SMA-2	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
P-SMA-2	Metals	MEx	Boron	µg/L	1	1	100%	5000	23.4	0.00468	n/a	n/a	n/a	23.4
P-SMA-2	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
P-SMA-2	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
P-SMA-2	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	1.25	0.00125	n/a	n/a	n/a	1.25
P-SMA-2	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	3.38
P-SMA-2	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	1	100%	0.01	0.00173	0.173	0.022	0	0%	0.00173
P-SMA-2	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	130	8.67	n/a	n/a	n/a	130
P-SMA-2	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
P-SMA-2	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.504	0.655	1.4	0	0%	0.504
P-SMA-2	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.26
P-SMA-2	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	11.2	0.373	n/a	n/a	n/a	11.2
P-SMA-2	Metals	MEx	Selenium	µg/L	1	1	100%	5	2.04	0.408	20	0	0%	2.04
P-SMA-2	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
P-SMA-2	Dioxin Furans	MEx	Tetrachlorodibenzodioxin[2,3,7,8-]	µg/L	1	0	0%	0.00001	Nondetect	<1	n/a	n/a	n/a	(0.0000126)
P-SMA-2	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
P-SMA-2	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.11	0.0111	n/a	n/a	n/a	1.11
P-SMA-2	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(6.37)

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
PT-SMA-1	Metals	CAM5	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	0	0%	494 to 599
PT-SMA-1	Metals	CAM5	Antimony	µg/L	2	1	50%	640	0	0	n/a	n/a	n/a	1.14 to (3)
PT-SMA-1	Metals	CAM5	Arsenic	µg/L	2	0	0%	9	0	0	340	0	0%	(5) to (5)
PT-SMA-1	Semivolatiles	CAM5	Benzo(a)pyrene	µg/L	2	0	0%	5	0	0	n/a	n/a	n/a	(0.962) to (1)
PT-SMA-1	Metals	CAM5	Boron	µg/L	2	1	50%	5000	0	0	n/a	n/a	n/a	17.1 to (50)
PT-SMA-1	Metals	CAM5	Cadmium	µg/L	2	1	50%	n/a	n/a	n/a	1	0	0%	0.113 to (1)
PT-SMA-1	Metals	CAM5	Chromium	µg/L	2	0	0%	n/a	n/a	n/a	210	0	0%	(10) to (10)
PT-SMA-1	Metals	CAM5	Cobalt	µg/L	2	2	100%	1000	0	0	n/a	n/a	n/a	1.04 to 2.15
PT-SMA-1	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	2	100%	21.4 to 45.5
PT-SMA-1	Cyanide	CAM5	Cyanide, weak acid dissociable	mg/L	2	0	0%	0.01	0	0	0.022	0	0%	(0.005) to (0.005)
PT-SMA-1	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	1700	113	n/a	n/a	n/a	650 to 4440
PT-SMA-1	Semivolatiles	CAM5	Hexachlorobenzene	µg/L	2	0	0%	5	0	0	n/a	n/a	n/a	(9.62) to (10)
PT-SMA-1	Metals	CAM5	Lead	µg/L	2	2	100%	n/a	n/a	n/a	17	0	0%	0.849 to 0.87
PT-SMA-1	Metals	CAM5	Mercury	µg/L	2	2	100%	0.77	0.17	0.221	1.4	0	0%	0.145 to 0.199
PT-SMA-1	Metals	CAM5	Nickel	µg/L	2	2	100%	n/a	n/a	n/a	170	0	0%	1.01 to 1.1
PT-SMA-1	Semivolatiles	CAM5	Pentachlorophenol	µg/L	2	0	0%	n/a	n/a	n/a	19	0	0%	(9.62) to (10)
PT-SMA-1	Radionuclides	CAM5	Radium-226 and Radium-228	pCi/L	2	1	50%	30	3.55	0.118	n/a	n/a	n/a	(3.85) to 18.4
PT-SMA-1	High Explosives	CAM5	RDX	µg/L	2	0	0%	200	0	0	n/a	n/a	n/a	(0.287) to (0.313)
PT-SMA-1	Metals	CAM5	Selenium	µg/L	2	0	0%	5	0	0	20	0	0%	(5) to (5)
PT-SMA-1	Metals	CAM5	Silver	µg/L	2	0	0%	n/a	n/a	n/a	0.5	0	0%	(1) to (1)
PT-SMA-1	Metals	CAM5	Thallium	µg/L	2	0	0%	6.3	0	0	n/a	n/a	n/a	(2) to (2)
PT-SMA-1	High Explosives	CAM5	Trinitrotoluene[2,4,6-]	µg/L	2	0	0%	20	0	0	n/a	n/a	n/a	(0.287) to (0.313)
PT-SMA-1	Metals	CAM5	Vanadium	µg/L	2	2	100%	100	0	0	n/a	n/a	n/a	2.78 to 3.56
PT-SMA-1	Metals	CAM5	Zinc	µg/L	2	1	50%	n/a	n/a	n/a	42	0	0%	4.59 to (10)
PT-SMA-2	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	382
PT-SMA-2	Metals	MEx	Antimony	µg/L	1	1	100%	640	4.05	0.00633	n/a	n/a	n/a	4.05
PT-SMA-2	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
PT-SMA-2	Semivolatiles	MEx	Benzo(a)pyrene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(0.962)
PT-SMA-2	Metals	MEx	Boron	µg/L	1	1	100%	5000	22.2	0.00444	n/a	n/a	n/a	22.2
PT-SMA-2	Metals	MEx	Cadmium	µg/L	1	1	100%	n/a	n/a	n/a	1	0	0%	0.133
PT-SMA-2	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
PT-SMA-2	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
PT-SMA-2	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	10.3
PT-SMA-2	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
PT-SMA-2	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	290	19.3	n/a	n/a	n/a	290
PT-SMA-2	Semivolatiles	MEx	Hexachlorobenzene	µg/L	1	0	0%	5	Nondetect	<1	n/a	n/a	n/a	(9.62)
PT-SMA-2	Metals	MEx	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	2.22
PT-SMA-2	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.336	0.436	1.4	0	0%	0.336

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
PT-SMA-2	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.64
PT-SMA-2	Semivolatiles	MEx	Pentachlorophenol	µg/L	1	0	0%	n/a	n/a	n/a	19	0	0%	(9.62)
PT-SMA-2	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	5.52	0.184	n/a	n/a	n/a	5.52
PT-SMA-2	High Explosives	MEx	RDX	µg/L	1	0	0%	200	Nondetect	<1	n/a	n/a	n/a	(0.298)
PT-SMA-2	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
PT-SMA-2	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
PT-SMA-2	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
PT-SMA-2	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.298)
PT-SMA-2	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.7	0.027	n/a	n/a	n/a	2.7
PT-SMA-2	Metals	MEx	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	5.35
PT-SMA-3	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	685
PT-SMA-3	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
PT-SMA-3	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
PT-SMA-3	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
PT-SMA-3	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
PT-SMA-3	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
PT-SMA-3	Metals	MEx	Cobalt	µg/L	1	1	100%	1000	2.46	0.00246	n/a	n/a	n/a	2.46
PT-SMA-3	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	1.69
PT-SMA-3	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
PT-SMA-3	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	548	36.5	n/a	n/a	n/a	548
PT-SMA-3	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
PT-SMA-3	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.366	0.475	1.4	0	0%	0.366
PT-SMA-3	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.19
PT-SMA-3	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	21.2	0.707	n/a	n/a	n/a	21.2
PT-SMA-3	High Explosives	MEx	RDX	µg/L	1	0	0%	200	Nondetect	<1	n/a	n/a	n/a	(0.275)
PT-SMA-3	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
PT-SMA-3	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
PT-SMA-3	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
PT-SMA-3	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.275)
PT-SMA-3	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.31	0.0231	n/a	n/a	n/a	2.31
PT-SMA-3	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
PT-SMA-4.2	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	278
PT-SMA-4.2	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
PT-SMA-4.2	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
PT-SMA-4.2	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
PT-SMA-4.2	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
PT-SMA-4.2	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
PT-SMA-4.2	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
PT-SMA-4.2	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	2.15
PT-SMA-4.2	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
PT-SMA-4.2	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	393	26.2	n/a	n/a	n/a	393
PT-SMA-4.2	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
PT-SMA-4.2	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.263	0.342	1.4	0	0%	0.263
PT-SMA-4.2	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.29
PT-SMA-4.2	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	95.9	3.2	n/a	n/a	n/a	95.9
PT-SMA-4.2	High Explosives	MEx	RDX	µg/L	1	0	0%	200	Nondetect	<1	n/a	n/a	n/a	(0.305)
PT-SMA-4.2	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
PT-SMA-4.2	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
PT-SMA-4.2	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
PT-SMA-4.2	High Explosives	MEx	Trinitrotoluene[2,4,6-]	µg/L	1	0	0%	20	Nondetect	<1	n/a	n/a	n/a	(0.305)
PT-SMA-4.2	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.88	0.0188	n/a	n/a	n/a	1.88
PT-SMA-4.2	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
S-SMA-0.25	Metals	CAM3	Copper	µg/L	3	3	100%	n/a	n/a	n/a	4.3	2	66.70%	3.93 to 15.2
S-SMA-0.25	Radionuclides	CAM3	Gross alpha	pCi/L	3	0	0%	15	0	0	n/a	n/a	n/a	(0.0855) to (3.03)
S-SMA-0.25	PCBs	CAM3	Total PCB	µg/L	3	3	100%	0.00064	0.00887	13.9	n/a	n/a	n/a	0.004 to 0.0418
S-SMA-0.25	Metals	CAM3	Zinc	µg/L	3	3	100%	n/a	n/a	n/a	42	1	33.30%	27.1 to 103
S-SMA-1.1	Metals	CAM3	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	0	0%	84.7 to 272
S-SMA-1.1	Metals	CAM3	Antimony	µg/L	2	0	0%	640	0	0	n/a	n/a	n/a	(3) to (3)
S-SMA-1.1	Metals	CAM3	Arsenic	µg/L	2	0	0%	9	0	0	340	0	0%	(5) to (5)
S-SMA-1.1	Metals	CAM3	Boron	µg/L	2	0	0%	5000	0	0	n/a	n/a	n/a	(50) to (50)
S-SMA-1.1	Metals	CAM3	Cadmium	µg/L	2	0	0%	n/a	n/a	n/a	1	0	0%	(1) to (1)
S-SMA-1.1	Metals	CAM3	Chromium	µg/L	2	0	0%	n/a	n/a	n/a	210	0	0%	(10) to (10)
S-SMA-1.1	Metals	CAM3	Cobalt	µg/L	2	0	0%	1000	0	0	n/a	n/a	n/a	(5) to (5)
S-SMA-1.1	Metals	CAM3	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	0	0%	1.68 to 2.24
S-SMA-1.1	Cyanide	CAM3	Cyanide, weak acid dissociable	mg/L	2	1	50%	0.01	0	0	0.022	0	0%	0.00219 to (0.005)
S-SMA-1.1	Radionuclides	CAM3	Gross alpha	pCi/L	2	2	100%	15	20.1	1.34	n/a	n/a	n/a	10.1 to 39.9
S-SMA-1.1	Metals	CAM3	Lead	µg/L	2	0	0%	n/a	n/a	n/a	17	0	0%	(2) to (2)
S-SMA-1.1	Metals	CAM3	Mercury	µg/L	2	1	50%	0.77	0.0505	0.0655	1.4	0	0%	0.076 to (0.2)
S-SMA-1.1	Metals	CAM3	Nickel	µg/L	2	1	50%	n/a	n/a	n/a	170	0	0%	0.589 to (2)
S-SMA-1.1	Radionuclides	CAM3	Radium-226 and Radium-228	pCi/L	2	2	100%	30	3.91	0.13	n/a	n/a	n/a	3.69 to 4.14
S-SMA-1.1	Metals	CAM3	Selenium	µg/L	2	0	0%	5	0	0	20	0	0%	(5) to (5)
S-SMA-1.1	Metals	CAM3	Silver	µg/L	2	0	0%	n/a	n/a	n/a	0.5	0	0%	(1) to (1)
S-SMA-1.1	Metals	CAM3	Thallium	µg/L	2	0	0%	6.3	0	0	n/a	n/a	n/a	(2) to (2)
S-SMA-1.1	PCBs	CAM3	Total PCB	µg/L	2	2	100%	0.00064	0.0184	28.8	n/a	n/a	n/a	0.0182 to 0.0187
S-SMA-1.1	Metals	CAM3	Vanadium	µg/L	2	2	100%	100	0	0	n/a	n/a	n/a	2.32 to 2.41
S-SMA-1.1	Metals	CAM3	Zinc	µg/L	2	0	0%	n/a	n/a	n/a	42	0	0%	(10) to (10)

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
S-SMA-3.53	Metals	CAM3	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	208
S-SMA-3.53	Metals	CAM3	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	1	100%	7.41
S-SMA-3.53	Radionuclides	CAM3	Gross alpha	pCi/L	1	1	100%	15	34.4	2.29	n/a	n/a	n/a	34.4
S-SMA-3.53	PCBs	CAM3	Total PCB	µg/L	1	1	100%	0.00064	0.0997	156	n/a	n/a	n/a	0.0997
S-SMA-5.5	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	655
S-SMA-5.5	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
S-SMA-5.5	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
S-SMA-5.5	Metals	MEx	Boron	µg/L	1	0	0%	5000	Nondetect	<1	n/a	n/a	n/a	(50)
S-SMA-5.5	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
S-SMA-5.5	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
S-SMA-5.5	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
S-SMA-5.5	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	2.41
S-SMA-5.5	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
S-SMA-5.5	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	91	6.07	n/a	n/a	n/a	91
S-SMA-5.5	Metals	MEx	Lead	µg/L	1	1	100%	n/a	n/a	n/a	17	0	0%	0.543
S-SMA-5.5	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.386	0.501	1.4	0	0%	0.386
S-SMA-5.5	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.27
S-SMA-5.5	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	16.7	0.557	n/a	n/a	n/a	16.7
S-SMA-5.5	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
S-SMA-5.5	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
S-SMA-5.5	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
S-SMA-5.5	Metals	MEx	Vanadium	µg/L	1	1	100%	100	3.89	0.0389	n/a	n/a	n/a	3.89
S-SMA-5.5	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
T-SMA-6.8	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	188
T-SMA-6.8	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
T-SMA-6.8	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
T-SMA-6.8	Metals	MEx	Boron	µg/L	1	1	100%	5000	24.4	0.00488	n/a	n/a	n/a	24.4
T-SMA-6.8	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
T-SMA-6.8	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
T-SMA-6.8	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
T-SMA-6.8	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	4.05
T-SMA-6.8	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
T-SMA-6.8	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	163	10.9	n/a	n/a	n/a	163
T-SMA-6.8	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
T-SMA-6.8	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.677	0.879	1.4	0	0%	0.677
T-SMA-6.8	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.19
T-SMA-6.8	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	11	0.367	n/a	n/a	n/a	11
T-SMA-6.8	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
T-SMA-6.8	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
T-SMA-6.8	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
T-SMA-6.8	Metals	MEx	Vanadium	µg/L	1	1	100%	100	1.59	0.0159	n/a	n/a	n/a	1.59
T-SMA-6.8	Metals	MEx	Zinc	µg/L	1	0	0%	n/a	n/a	n/a	42	0	0%	(10)
W-SMA-1	Metals	CAM5	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	2	100%	858 to 1010
W-SMA-1	Metals	CAM5	Antimony	µg/L	2	0	0%	640	0	0	n/a	n/a	n/a	(3) to (3)
W-SMA-1	Metals	CAM5	Arsenic	µg/L	2	0	0%	9	0	0	340	0	0%	(5) to (5)
W-SMA-1	Metals	CAM5	Boron	µg/L	2	2	100%	5000	0	0	n/a	n/a	n/a	17.5 to 18.8
W-SMA-1	Metals	CAM5	Cadmium	µg/L	2	0	0%	n/a	n/a	n/a	1	0	0%	(1) to (1)
W-SMA-1	Metals	CAM5	Chromium	µg/L	2	0	0%	n/a	n/a	n/a	210	0	0%	(10) to (10)
W-SMA-1	Metals	CAM5	Cobalt	µg/L	2	2	100%	1000	0	0	n/a	n/a	n/a	1.22 to 1.45
W-SMA-1	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	4.01 to 4.45
W-SMA-1	Cyanide	CAM5	Cyanide, weak acid dissociable	mg/L	2	0	0%	0.01	0	0	0.022	0	0%	(0.005) to (0.005)
W-SMA-1	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	50.5	3.37	n/a	n/a	n/a	8.13 to 314
W-SMA-1	Metals	CAM5	Lead	µg/L	2	2	100%	n/a	n/a	n/a	17	0	0%	0.805 to 0.806
W-SMA-1	Metals	CAM5	Mercury	µg/L	2	2	100%	0.77	0.111	0.145	1.4	0	0%	0.1 to 0.124
W-SMA-1	Metals	CAM5	Nickel	µg/L	2	2	100%	n/a	n/a	n/a	170	0	0%	2 to 2.28
W-SMA-1	Radionuclides	CAM5	Radium-226 and Radium-228	pCi/L	2	1	50%	30	0.961	0.032	n/a	n/a	n/a	(0.953) to 1.81
W-SMA-1	Metals	CAM5	Selenium	µg/L	2	0	0%	5	0	0	20	0	0%	(5) to (5)
W-SMA-1	Metals	CAM5	Silver	µg/L	2	0	0%	n/a	n/a	n/a	0.5	0	0%	(1) to (1)
W-SMA-1	Metals	CAM5	Thallium	µg/L	2	0	0%	6.3	0	0	n/a	n/a	n/a	(2) to (2)
W-SMA-1	Metals	CAM5	Vanadium	µg/L	2	2	100%	100	0	0	n/a	n/a	n/a	2.36 to 5.01
W-SMA-1	Metals	CAM5	Zinc	µg/L	2	1	50%	n/a	n/a	n/a	42	0	0%	(10) to 12.8
W-SMA-1.5	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	1	50%	2.97 to 6.9
W-SMA-1.5	Metals	CAM5	Zinc	µg/L	2	2	100%	n/a	n/a	n/a	42	0	0%	6.29 to 11.5
W-SMA-14.1	Metals	CAM5	Aluminum	µg/L	2	2	100%	n/a	n/a	n/a	750	0	0%	233 to 283
W-SMA-14.1	Metals	CAM5	Antimony	µg/L	2	0	0%	640	0	0	n/a	n/a	n/a	(3) to (3)
W-SMA-14.1	Metals	CAM5	Arsenic	µg/L	2	1	50%	9	1.27	0.141	340	0	0%	1.9 to (5)
W-SMA-14.1	Metals	CAM5	Boron	µg/L	2	0	0%	5000	0	0	n/a	n/a	n/a	(25) to (50)
W-SMA-14.1	Metals	CAM5	Cadmium	µg/L	2	0	0%	n/a	n/a	n/a	1	0	0%	(1) to (1)
W-SMA-14.1	Metals	CAM5	Chromium	µg/L	2	0	0%	n/a	n/a	n/a	210	0	0%	(10) to (10)
W-SMA-14.1	Metals	CAM5	Cobalt	µg/L	2	1	50%	1000	0	0	n/a	n/a	n/a	1.45 to (5)
W-SMA-14.1	Metals	CAM5	Copper	µg/L	2	2	100%	n/a	n/a	n/a	4.3	0	0%	1.8 to 2.66
W-SMA-14.1	Cyanide	CAM5	Cyanide, weak acid dissociable	mg/L	2	0	0%	0.01	0	0	0.022	0	0%	(0.005) to (0.005)
W-SMA-14.1	Radionuclides	CAM5	Gross alpha	pCi/L	2	2	100%	15	61	4.07	n/a	n/a	n/a	38.7 to 96.2
W-SMA-14.1	Metals	CAM5	Lead	µg/L	2	0	0%	n/a	n/a	n/a	17	0	0%	(2) to (2)
W-SMA-14.1	Metals	CAM5	Mercury	µg/L	2	1	50%	0.77	0.0787	0.102	1.4	0	0%	0.185 to (0.2)
W-SMA-14.1	Metals	CAM5	Nickel	µg/L	2	2	100%	n/a	n/a	n/a	170	0	0%	0.569 to 0.833

Table B-13 (continued)

SMA	Suite	Stage	Analyte	Units	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
W-SMA-14.1	Radionuclides	CAM5	Radium-226 and Radium-228	pCi/L	2	2	100%	30	4.04	0.135	n/a	n/a	n/a	1.97 to 8.28
W-SMA-14.1	High Explosives	CAM5	RDX	µg/L	2	0	0%	200	0	0	n/a	n/a	n/a	(0.281) to (0.314)
W-SMA-14.1	Metals	CAM5	Selenium	µg/L	2	0	0%	5	0	0	20	0	0%	(5) to (5)
W-SMA-14.1	Metals	CAM5	Silver	µg/L	2	0	0%	n/a	n/a	n/a	0.5	0	0%	(1) to (1)
W-SMA-14.1	Metals	CAM5	Thallium	µg/L	2	0	0%	6.3	0	0	n/a	n/a	n/a	(2) to (2)
W-SMA-14.1	High Explosives	CAM5	Trinitrotoluene[2,4,6-]	µg/L	2	0	0%	20	0	0	n/a	n/a	n/a	(0.281) to (0.314)
W-SMA-14.1	Metals	CAM5	Vanadium	µg/L	2	2	100%	100	0	0	n/a	n/a	n/a	2.23 to 4
W-SMA-14.1	Metals	CAM5	Zinc	µg/L	2	0	0%	n/a	n/a	n/a	42	0	0%	(10) to (10)
W-SMA-7	Metals	MEx	Aluminum	µg/L	1	1	100%	n/a	n/a	n/a	750	0	0%	492
W-SMA-7	Metals	MEx	Antimony	µg/L	1	0	0%	640	Nondetect	<1	n/a	n/a	n/a	(3)
W-SMA-7	Metals	MEx	Arsenic	µg/L	1	0	0%	9	Nondetect	<1	340	0	0%	(5)
W-SMA-7	Metals	MEx	Boron	µg/L	1	1	100%	5000	17.2	0.00344	n/a	n/a	n/a	17.2
W-SMA-7	Metals	MEx	Cadmium	µg/L	1	0	0%	n/a	n/a	n/a	1	0	0%	(1)
W-SMA-7	Metals	MEx	Chromium	µg/L	1	0	0%	n/a	n/a	n/a	210	0	0%	(10)
W-SMA-7	Metals	MEx	Cobalt	µg/L	1	0	0%	1000	Nondetect	<1	n/a	n/a	n/a	(5)
W-SMA-7	Metals	MEx	Copper	µg/L	1	1	100%	n/a	n/a	n/a	4.3	0	0%	2.89
W-SMA-7	Cyanide	MEx	Cyanide, weak acid dissociable	mg/L	1	0	0%	0.01	Nondetect	<1	0.022	0	0%	(0.005)
W-SMA-7	Radionuclides	MEx	Gross alpha	pCi/L	1	1	100%	15	427	28.5	n/a	n/a	n/a	427
W-SMA-7	Metals	MEx	Lead	µg/L	1	0	0%	n/a	n/a	n/a	17	0	0%	(2)
W-SMA-7	Metals	MEx	Mercury	µg/L	1	1	100%	0.77	0.148	0.192	1.4	0	0%	0.148
W-SMA-7	Metals	MEx	Nickel	µg/L	1	1	100%	n/a	n/a	n/a	170	0	0%	1.8
W-SMA-7	Radionuclides	MEx	Radium-226 and Radium-228	pCi/L	1	1	100%	30	42	1.4	n/a	n/a	n/a	42
W-SMA-7	Metals	MEx	Selenium	µg/L	1	0	0%	5	Nondetect	<1	20	0	0%	(5)
W-SMA-7	Metals	MEx	Silver	µg/L	1	0	0%	n/a	n/a	n/a	0.5	0	0%	(1)
W-SMA-7	Metals	MEx	Thallium	µg/L	1	0	0%	6.3	Nondetect	<1	n/a	n/a	n/a	(2)
W-SMA-7	Metals	MEx	Vanadium	µg/L	1	1	100%	100	2.2	0.022	n/a	n/a	n/a	2.2
W-SMA-7	Metals	MEx	Zinc	µg/L	1	1	100%	n/a	n/a	n/a	42	0	0%	4.26

Note: Shading indicates TAL exceedance.

[a] CAM5 = Corrective action enhanced control monitoring: Two confirmation monitoring samples are collected following completion of corrective action control measures at Moderate Priority Sites.

[b] n/a = Not applicable.

[c] MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

[d] < = The analyte was not detected in the sample; the reported value is the laboratory reporting limit.

[e] Parentheses indicate the analyte is not detected.

[f] CAM3 = Corrective action enhanced control monitoring: Two confirmation monitoring samples are collected following completion of corrective action control measures at High Priority Sites.

Appendix C

Control Measures

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
R-SMA-0.5	Baseline	16-Dec-10	R00103030006	Berm	Log Berm	—[e]	X[f]	—	X
	Additional	n/a[g]	R00102040025	Permanent Vegetation	Established Vegetation	X	—	—	X
			R00103060013	Berm	Straw Wattle	—	X	—	X
			R00103060017	Berm	Straw Wattle	—	X	X	—
			R00103060018	Berm	Straw Wattle	—	X	—	X
			R00103060019	Berm	Straw Wattle	—	X	—	X
			R00103060021	Berm	Straw Wattle	—	X	X	—
			R00103060022	Berm	Straw Wattle	—	X	X	—
			R00103060023	Berm	Straw Wattle	—	X	X	—
			R00103060024	Berm	Straw Wattle	—	X	—	X
			R00103060026	Berm	Straw Wattle	—	X	—	X
			R00103060027	Berm	Straw Wattle	—	X	—	X
R-SMA-1	Baseline	12-May-11	R00204060006	Channel/Swale	Rip Rap	X	—	X	—
			R00204060007	Channel/Swale	Rip Rap	X	—	X	—
			R00206010005	Check Dam	Rock Check Dam	—	X	—	X
			R00207010002	Gabion	Gabions	—	X	X	—
R-SMA-1	Additional	n/a	R00204060009	Channel/Swale	Rip Rap	X	—	X	—
			R00204060010	Channel/Swale	Rip Rap	X	—	X	—
			R00202040008	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-1.95	Baseline	16-Dec-10	R00303060005	Berm	Straw Wattle	—	X	—	X
			R00304010003	Channel/Swale	Earthen Channel/Swale	X	—	X	—
	Enhanced	25-Sep-14	R00303010021	Berm	Earthen Berm	—	X	—	X
			R00303140009	Berm	Coir Log	—	X	—	X
			R00303140010	Berm	Coir Log	—	X	—	X
			R00303140011	Berm	Coir Log	—	X	—	X
			R00303140012	Berm	Coir Log	—	X	—	X
			R00303140013	Berm	Coir Log	—	X	—	X
			R00303140014	Berm	Coir Log	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
R-SMA-1.95	Enhanced	25-Sep-14	R00303140015	Berm	Coir Log	—	X	—	X
			R00303140016	Berm	Coir Log	—	X	—	X
			R00303140017	Berm	Coir Log	—	X	—	X
			R00303140018	Berm	Coir Log	—	X	—	X
			R00303140019	Berm	Coir Log	—	X	—	X
			R00303140020	Berm	Coir Log	—	X	—	X
	Additional	n/a	R0030101022	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
			R00302040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			R00303060007	Berm	Straw Wattle	—	X	—	X
R-SMA-2.05	Baseline	22-Nov-10	R00406030002	Check Dam	Juniper Bales	—	X	—	X
			R00406030003	Check Dam	Juniper Bales	—	X	—	X
	Additional	n/a	R00402040005	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-2.3	Additional	n/a	R00502040004	Permanent Vegetation	Established Vegetation	X	—	—	X
			R00503060005	Berm	Straw Wattle	—	X	—	X
			R00503060006	Berm	Straw Wattle	—	X	—	X
			R00503060007	Berm	Straw Wattle	—	X	—	X
R-SMA-2.5	Baseline	16-Dec-10	R00604060004	Channel/Swale	Rip Rap	X	—	X	—
			R00606010003	Check Dam	Rock Check Dam	—	X	—	X
			R00606010005	Check Dam	Rock Check Dam	—	X	X	—
			R00606010006	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	R00602040007	Permanent Vegetation	Established Vegetation	X	—	—	X
B-SMA-0.5	Baseline	16-Dec-10	B00103010006	Berm	Earthen Berm	—	X	X	—
			B00103010007	Berm	Earthen Berm	—	X	—	X
			B00104010005	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			B00104040003	Channel/Swale	Culvert	X	—	X	—
			B00106010008	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	B00102040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			B00103060010	Berm	Straw Wattle	—	X	X	—
			B00104060009	Channel/Swale	Rip Rap	X	—	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
B-SMA-1	Baseline	16-Dec-10	B00206010003	Check Dam	Rock Check Dam	—	X	X	—
			B00206010004	Check Dam	Rock Check Dam	—	X	X	—
			B00206010005	Check Dam	Rock Check Dam	—	X	—	X
			B00206010006	Check Dam	Rock Check Dam	—	X	—	X
			B00206010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	B00202040008	Permanent Vegetation	Established Vegetation	X	—	—	X
ACID-SMA-1.05	Baseline	22-Nov-10	P00103010005	Berm	Earthen Berm	—	X	—	X
			P00103090003	Berm	Curbing	—	X	X	—
			P00104040004	Channel/Swale	Culvert	X	—	X	—
ACID-SMA-2	Baseline	22-Nov-10	P00206010013	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	P00202040018	Permanent Vegetation	Established Vegetation	X	—	—	X
ACID-SMA-2.01	Baseline	16-Dec-10	P002A03010004	Berm	Earthen Berm	—	X	X	—
			P002A04060002	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	P002A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			P002A03060008	Berm	Straw Wattle	—	X	—	X
ACID-SMA-2.1	Baseline	22-Nov-10	P00302030012	Permanent Vegetation	Permanent Vegetation Vegetative Buffer Strip	X	X	—	X
			P00303010009	Berm	Earthen Berm	—	X	X	—
			P00304060011	Channel/Swale	Rip Rap	X	—	X	—
			P00306010015	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	P00302040019	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-0.3	Baseline	16-Dec-10	P00403010002	Berm	Earthen Berm	—	X	X	—
			P00404040003	Channel/Swale	Culvert	X	—	X	—
	Additional	n/a	P00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			P00403140009	Berm	Coir Log	—	X	—	X
			P00403140015	Berm	Coir Log	—	X	—	X
			P00406010012	Check Dam	Rock Check Dam	—	X	—	X
			P00406010013	Check Dam	Rock Check Dam	—	X	—	X
			P00406010014	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
P-SMA-1	Baseline	22-Nov-10	P00503080003	Berm	Retaining Wall	—	X	—	X
			P00504020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
			P00504020009	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			P00504040004	Channel/Swale	Culvert	X	—	X	—
			P00504040016	Channel/Swale	Culvert	X	—	X	—
			P00504060002	Channel/Swale	Rip Rap	X	—	—	X
			P00504060013	Channel/Swale	Rip Rap	X	—	—	X
	Additional	n/a	P00501060020	Seed and Mulch	Erosion Control Blanket	X	—	—	—
			P00502040040	Permanent Vegetation	Established Vegetation	X	—	—	X
			P00503010018	Berm	Earthen Berm	—	X	—	X
			P00503010019	Berm	Earthen Berm	—	X	—	X
			P00503060021	Berm	Straw Wattle	—	X	—	X
			P00503060022	Berm	Straw Wattle	—	X	—	X
			P00503060030	Berm	Straw Wattle	—	X	—	X
			P00503060031	Berm	Straw Wattle	—	X	—	X
			P00503060036	Berm	Straw Wattle	—	X	—	X
			P00503060037	Berm	Straw Wattle	—	X	—	X
			P00503060039	Berm	Straw Wattle	—	X	—	X
			P00503060041	Berm	Straw Wattle	—	X	—	X
			P00503060042	Berm	Straw Wattle	—	X	—	X
			P00503060043	Berm	Straw Wattle	—	X	—	X
			P00503060044	Berm	Straw Wattle	—	X	—	X
			P00503060045	Berm	Straw Wattle	—	X	—	X
			P00503120017	Berm	Rock Berm	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
P-SMA-2	Baseline	22-Nov-10	P00603020009	Berm	Base Course Berm	—	X	X	—
			P00603020010	Berm	Base Course Berm	—	X	X	—
			P00603120008	Berm	Rock Berm	—	X	—	X
			P00604010001	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			P00604020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			P00604060002	Channel/Swale	Rip Rap	X	—	X	—
			P00604060003	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	P00602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-2.15	Baseline	16-Dec-10	P00704060003	Channel/Swale	Rip Rap	X	—	X	—
			P00704060006	Channel/Swale	Rip Rap	X	—	—	X
			P00706010004	Check Dam	Rock Check Dam	—	X	X	—
			P00706010005	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	P00702040007	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-2.2	Baseline	12-May-11	P00803020012	Berm	Base Course Berm	—	X	X	—
			P00804020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
			P00804060001	Channel/Swale	Rip Rap	X	—	X	—
			P00804080017	Channel/Swale	TRM-Lined Swale	X	—	X	—
			P00806010018	Check Dam	Rock Check Dam	—	X	X	—
			P00806010019	Check Dam	Rock Check Dam	—	X	X	—
			P00806010020	Check Dam	Rock Check Dam	—	X	X	—
			P00806010021	Check Dam	Rock Check Dam	—	X	X	—
			P00806010022	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	P00802040025	Permanent Vegetation	Established Vegetation	X	—	—	X
			P00803010027	Berm	Earthen Berm	—	X	X	—
			P00803010028	Berm	Earthen Berm	—	X	—	X
			P00803010029	Berm	Earthen Berm	—	X	—	X
			P00803010030	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
P-SMA-3.05	Baseline	16-Dec-10	P00903010008	Berm	Earthen Berm	—	X	—	X
			P00903010009	Berm	Earthen Berm	—	X	—	X
			P00903020007	Berm	Base Course Berm	—	X	—	X
			P00904050005	Channel/Swale	Water Bar	X	—	X	—
			P00904050006	Channel/Swale	Water Bar	X	—	X	—
	Additional	n/a	P00902040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			P00903010010	Berm	Earthen Berm	—	X	—	X
LA-SMA-0.85	Baseline	22-Nov-10	L00103090006	Berm	Curbing	—	X	X	—
			L00107010004	Gabion	Gabions	—	X	—	X
	Enhanced	23-Oct-12	L00103010008	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	L00102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-0.9	Baseline	16-Dec-10	L00203090002	Berm	Curbing	—	X	X	—
			L00203090003	Berm	Curbing	—	X	X	—
			L00204040004	Channel/Swale	Culvert	X	—	X	—
	Additional	n/a	L00202040020	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00203010021	Berm	Earthen Berm	—	X	—	X
			L00203010022	Berm	Earthen Berm	—	X	—	X
			L00203010023	Berm	Earthen Berm	—	X	—	X
			L00203010024	Berm	Earthen Berm	—	X	—	X
			L00203010025	Berm	Earthen Berm	—	X	—	X
			L00203010027	Berm	Earthen Berm	—	x	x	—
			L00204040026	Channel/Swale	Culvert	x	—	x	—
LA-SMA-1	Baseline	16-Dec-10	L00304020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			L00304040004	Channel/Swale	Culvert	X	—	X	—
	Enhanced	27-Nov-12	L00303010019	Berm	Earthen Berm	—	X	—	X
			L00304030020	Channel/Swale	Rock Channel/Swale	X	—	X	—
			L00304040021	Channel/Swale	Culvert	X	—	X	—
			L00304060022	Channel/Swale	Rip Rap	X	—	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-1	Additional	n/a	L00302040025	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00303060016	Berm	Straw Wattle	—	X	X	—
			L00303060026	Berm	Straw Wattle	—	X	X	—
			L00303100015	Berm	Gravel Bags	—	X	X	—
			L00303120018	Berm	Rock Berm	—	X	—	X
			L00304060023	Channel/Swale	Rip Rap	X	—	X	—
			L00304060024	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-1.1	Baseline	16-Dec-10	L00404060003	Channel/Swale	Rip Rap	X	—	—	X
			L00406010004	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	L00402040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00404060005	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-1.25	Baseline	22-Nov-10	L00503020001	Berm	Base Course Berm	—	X	X	—
	Enhanced	30-Aug-12	L00503010007	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	L00502040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-2.1	Baseline	12-May-11	L00603080002	Berm	Retaining Wall	—	X	X	—
			L00604060006	Channel/Swale	Rip Rap	X	—	—	X
	Enhanced	25-Sep-14	L00601060015	Seed and Mulch	Erosion Control Blanket	X	—	—	—
			L00602030017	Permanent Vegetation	Permanent Vegetation Vegetative Buffer Strip	X	X	—	X
			L00603060012	Berm	Straw Wattle	—	X	—	X
			L00603060013	Berm	Straw Wattle	—	X	—	X
			L00603140014	Berm	Coir Log	—	X	—	X
			L00605020016	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
	Additional	n/a	L00601060009	Seed and Mulch	Erosion Control Blanket	X	—	—	—
			L00602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00604010010	Channel/Swale	Earthen Channel/Swale	X	—	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-2.3	Baseline	16-Dec-10	L00703080002	Berm	Retaining Wall	—	X	X	—
	Additional	n/a	L00702040006	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00703060005	Berm	Straw Wattle	—	X	X	—
			L00703060008	Berm	Straw Wattle	—	x	—	x
LA-SMA-3.1	Baseline	22-Nov-10	L00804040004	Channel/Swale	Culvert	X	—	X	—
	Additional	n/a	L00802040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00803060008	Berm	Straw Wattle	—	X	—	X
LA-SMA-3.9	Baseline	16-Dec-10	L00904040002	Channel/Swale	Culvert	X	—	X	—
	Additional	n/a	L00902040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			L00903060004	Berm	Straw Wattle	—	X	—	X
LA-SMA-4.1	Baseline	22-Nov-10	L01004060004	Channel/Swale	Rip Rap	X	—	X	—
			L01004060005	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	L01002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			L01006010009	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-4.2	Baseline	22-Nov-10	L01104050003	Channel/Swale	Water Bar	X	—	X	—
			L01104050004	Channel/Swale	Water Bar	X	—	X	—
			L01104050006	Channel/Swale	Water Bar	X	—	X	—
			L01104050007	Channel/Swale	Water Bar	X	—	X	—
			L01106010002	Check Dam	Rock Check Dam	—	X	—	X
			L01106010005	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	L01102040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.01	Baseline	16-Dec-10	L01203120010	Berm	Rock Berm	—	X	X	—
			L01204050008	Channel/Swale	Water Bar	X	—	X	—
			L01204050009	Channel/Swale	Water Bar	X	—	X	—
			L01204060006	Channel/Swale	Rip Rap	X	—	—	X
			L01203010004	Berm	Earthen Berm	—	X	—	X
			L01203010007	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	L01202040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			L01203060013	Berm	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-5.02	Additional	n/a	L012A02040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			L012A03060019	Berm	Straw Wattle	—	x	—	x
			L012A03060020	Berm	Straw Wattle	—	x	—	x
			L012A03060021	Berm	Straw Wattle	—	x	—	x
			L012A03090022	Berm	Curbing	—	x	x	—
LA-SMA-5.2	Additional	n/a	L01302040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			L01306020006	Check Dam	Log Check Dam	—	X	—	X
			L01306020007	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-5.31	Enhanced	27-Jul-12	L01503120010	Berm	Rock Berm	—	X	X	—
			L01503120011	Berm	Rock Berm	—	X	—	X
	Additional	n/a	L01501010015	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			L01503010012	Berm	Earthen Berm	—	X	X	—
			L01504040014	Channel/Swale	Culvert	X	—	—	—
			L01504060013	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-5.33	Enhanced	30-Jul-12	L01603010009	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	L01602040014	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.35	Enhanced	27-Nov-12	L01408030010	Cap	Concrete/Asphalt Cap	X	—	X	—
			L01408030014	Cap	Concrete/Asphalt Cap	X	—	—	X
			L01408040011	Cap	Metal Cap	X	—	X	—
			L01408040012	Cap	Metal Cap	X	—	X	—
			L01408040013	Cap	Metal Cap	X	—	X	—
LA-SMA-5.361	Baseline	27-Apr-11	L01703010002	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	L01702040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			L01706010009	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-5.362	Baseline	27-Apr-11	L017A03010005	Berm	Earthen Berm	—	X	—	X
			L017A06010006	Check Dam	Rock Check Dam	—	X	—	X
			L017A06030002	Check Dam	Juniper Bales	—	X	X	—
	Additional	n/a	L017A02040010	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-5.51	Baseline	27-Apr-11	L01807010003	Gabion	Gabions	X	—	—	X
	Enhanced	27-Jun-14	L01803010010	Berm	Earthen Berm	—	X	—	X
			L01803010011	Berm	Earthen Berm	—	X	—	X
			L01803010012	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	L01802040009	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.52	Baseline	27-Apr-11	L018A01010006	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			L018A03010003	Berm	Earthen Berm	—	X	X	—
			L018A03010004	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	L018A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			L018A04030008	Channel/Swale	Rock Channel/Swale	x	—	x	—
LA-SMA-5.53	Baseline	27-Apr-11	L018B01010003	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			L018B03010002	Berm	Earthen Berm	—	X	—	X
			L018B03060004	Berm	Straw Wattle	—	X	X	—
	Additional	n/a	L018B02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			L018B03060008	Berm	Straw Wattle	—	X	X	—
			L018B03060009	Berm	Straw Wattle	—	X	X	—
LA-SMA-5.54	Baseline	27-Apr-11	L018C03010002	Berm	Earthen Berm	—	X	X	—
	Enhanced	25-Sep-14	L018C03010014	Berm	Earthen Berm	—	X	—	X
			L018C03010015	Berm	Earthen Berm	—	X	X	—
			L018C03140026	Berm	Coir Log	—	X	—	X
			L018C04030013	Channel/Swale	Rock Channel/Swale	X	—	X	—
	Additional	n/a	L018C01010025	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			L018C03120024	Berm	Rock Berm	—	X	X	—
			L018C03140020	Berm	Coir Log	—	X	X	—
			L018C03140021	Berm	Coir Log	—	X	X	—
			L018C03140022	Berm	Coir Log	—	X	X	—
			L018C03140027	Berm	Coir Log	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-5.54	Additional	n/a	L018C03140028	Berm	Coir Log	—	X	X	—
			L018C03140029	Berm	Coir Log	—	X	X	—
			L018C03140030	Berm	Coir Log	—	X	X	—
			L018C04080016	Channel/Swale	TRM-Lined Swale	X	—	X	—
			L018C06010017	Check Dam	Rock Check Dam	—	—	—	—
			L018C06010018	Check Dam	Rock Check Dam	—	X	X	—
			L018C06010019	Check Dam	Rock Check Dam	—	X	X	—
			L018C06010023	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.91	Enhanced	8-Jul-13	L01905020015	Sediment Trap and Basin and Basin	Sediment Basin	—	X	X	—
			L01906020013	Check Dam	Log Check Dam	—	X	—	X
			L01906020014	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	L01902040010	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.92	Baseline	22-Nov-10	L019A03010005	Berm	Earthen Berm	—	X	X	X
			L019A03030003	Berm	Log Berm	—	X	—	X
			L019A05020006	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
	Additional	n/a	L019A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			L019A03140008	Berm	Coir Log	—	X	—	X
			L019A06020009	Check Dam	Log Check Dam	—	X	—	X
			L019A06020010	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-6.25	Baseline	22-Nov-10	L02003040002	Berm	Asphalt Berm	—	X	X	—
	Additional	n/a	L02002040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			L02003060011	Berm	Straw Wattle	—	X	—	X
			L02003060012	Berm	Straw Wattle	—	X	—	X
			L02006010013	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-6.27	Baseline	22-Nov-10	L02103040001	Berm	Asphalt Berm	—	X	X	—
	Additional	n/a	L02102040011	Permanent Vegetation	Established Vegetation	X	—	—	X
			L02103060018	Berm	Straw Wattle	—	X	—	X
			L02103060019	Berm	Straw Wattle	—	X	—	X
			L02106010015	Check Dam	Rock Check Dam	—	X	—	X
			L02106010016	Check Dam	Rock Check Dam	—	X	—	X
			L02106010017	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.3	Baseline	16-Dec-10	L02203040005	Berm	Asphalt Berm	—	X	X	—
			L02206010001	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	L02202040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			L02206010010	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.31	Baseline	16-Dec-10	L022A03040002	Berm	Asphalt Berm	—	X	X	—
			L022A06010005	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	L022A02040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.32	Baseline	16-Dec-10	L02303040002	Berm	Asphalt Berm	—	X	X	—
			L02303060003	Berm	Straw Wattle	—	X	—	X
	Additional	n/a	L02302040006	Permanent Vegetation	Established Vegetation	X	—	—	X
			L02303060005	Berm	Straw Wattle	—	X	—	X
LA-SMA-6.34	Baseline	16-Dec-10	L02403040003	Berm	Asphalt Berm	—	X	X	—
			L02406010005	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	L02402040006	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.36	Baseline	16-Dec-10	L02503010008	Berm	Earthen Berm	—	X	—	X
			L02503010009	Berm	Earthen Berm	—	X	X	—
			L02503090004	Berm	Curbing	—	X	X	—
	Additional	n/a	L02502040010	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-6.38	Baseline	16-Dec-10	L02603060004	Berm	Straw Wattle	—	X	—	X
			L02604060006	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	L02602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
			L02603060009	Berm	Straw Wattle	—	X	X	—
			L02603060010	Berm	Straw Wattle	—	X	X	—
LA-SMA-6.395	Baseline	16-Dec-10	L02703010004	Berm	Earthen Berm	—	X	—	X
			L02703010005	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	L02702040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.5	Baseline	16-Dec-10	L02803010004	Berm	Earthen Berm	—	X	X	—
			L02803010006	Berm	Earthen Berm	—	X	X	—
			L02806010002	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	L02802040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-9	Baseline	27-Apr-11	L02903010012	Berm	Earthen Berm	—	X	—	X
			L02903010013	Berm	Earthen Berm	—	X	—	X
			L02903010014	Berm	Earthen Berm	—	X	—	X
			L02903080005	Berm	Retaining Wall	—	X	X	—
			L02904050009	Channel/Swale	Water Bar	X	—	X	—
			L02904050010	Channel/Swale	Water Bar	X	—	X	—
			L02904050011	Channel/Swale	Water Bar	X	—	X	—
	Additional	n/a	L02902040015	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-10.11	Baseline	16-Dec-10	L03004060003	Channel/Swale	Rip Rap	X	—	—	X
			L03004060009	Channel/Swale	Rip Rap	X	—	—	X
			L03006010001	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
LA-SMA-10.12	Baseline	12-May-11	L030A03120005	Berm	Rock Berm	—	X	X	—
			L030A03120006	Berm	Rock Berm	—	X	X	—
			L030A03120009	Berm	Rock Berm	—	X	—	X
			L030A03120012	Berm	Rock Berm	—	X	X	—
			L030A03120015	Berm	Rock Berm	—	X	—	X
			L030A03120016	Berm	Rock Berm	—	X	—	X
			L030A03120017	Berm	Rock Berm	—	X	X	—
			L030A03120019	Berm	Rock Berm	—	X	X	—
			L030A03120020	Berm	Rock Berm	—	X	—	X
			L030A03120021	Berm	Rock Berm	—	X	—	X
			L030A04060007	Channel/Swale	Rip Rap	X	—	—	X
			L030A06010001	Check Dam	Rock Check Dam	—	X	X	—
			L030A06010002	Check Dam	Rock Check Dam	—	X	X	—
			L030A06010003	Check Dam	Rock Check Dam	—	X	—	X
			L030A06010008	Check Dam	Rock Check Dam	—	X	X	—
			L030A06010011	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	30-Nov-12	L030A03010026	Berm	Earthen Berm	—	X	X	—
			L030A03010027	Berm	Earthen Berm	—	X	—	X
			L030A03060028	Berm	Straw Wattle	—	X	X	—
			L030A03060029	Berm	Straw Wattle	—	X	—	X
			L030A03120030	Berm	Rock Berm	—	X	—	X
	Additional	n/a	L030A02040032	Permanent Vegetation	Established Vegetation	X	—	—	X
			L030A03010025	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
DP-SMA-0.3	Baseline	27-Apr-11	D00103020011	Berm	Base Course Berm	—	X	—	X
			D00103120013	Berm	Rock Berm	—	X	—	X
			D00106010008	Check Dam	Rock Check Dam	—	X	—	X
			D00106010009	Check Dam	Rock Check Dam	—	X	—	X
			D00107010001	Gabion	Gabions	—	X	—	X
			D00107020006	Gabion	Gabion Blanket	X	—	X	—
	Enhanced	8-Jul-13	D00103010022	Berm	Earthen Berm	—	X	X	—
			D00103010023	Berm	Earthen Berm	—	X	—	X
			D00103120020	Berm	Rock Berm	—	X	X	—
			D00103120021	Berm	Rock Berm	—	X	—	X
			D00106010016	Check Dam	Rock Check Dam	—	X	X	—
			D00106010017	Check Dam	Rock Check Dam	—	X	X	—
			D00106010018	Check Dam	Rock Check Dam	—	X	—	X
			D00106010019	Check Dam	Rock Check Dam	—	X	—	X
			D00106010024	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	D00102040025	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-0.4	Baseline	16-Dec-10	D00203060005	Berm	Straw Wattle	—	X	X	—
			D00204040003	Channel/Swale	Culvert	X	—	X	—
			D00204060006	Channel/Swale	Rip Rap	—	X	X	—
			D00206030004	Check Dam	Juniper Bales	—	X	X	—
	Additional	n/a	D00202040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			D00203060008	Berm	Straw Wattle	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
DP-SMA-0.6	Baseline	27-Apr-11	D00303010013	Berm	Earthen Berm	—	X	—	X
			D00303010014	Berm	Earthen Berm	—	X	—	X
			D00303020011	Berm	Base Course Berm	—	X	X	—
			D00304010004	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			D00304040005	Channel/Swale	Culvert	X	—	X	—
			D00305020010	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
			D00308020012	Cap	Rock Cap	X	—	—	—
	Additional	n/a	D00302040015	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-1	Baseline	16-Dec-10	D00403010002	Berm	Earthen Berm	—	X	X	—
			D00403120009	Berm	Rock Berm	—	X	—	X
			D00406030006	Check Dam	Juniper Bales	—	X	—	X
			D00406030007	Check Dam	Juniper Bales	—	X	—	X
			D00406030008	Check Dam	Juniper Bales	—	X	—	X
	Additional	n/a	D00402040015	Permanent Vegetation	Established Vegetation	X	—	—	X
			D00403010011	Berm	Earthen Berm	—	X	—	X
			D00403020014	Berm	Base Course Berm	—	X	X	—
			D00403060013	Berm	Straw Wattle	—	X	X	—
			D00403120012	Berm	Rock Berm	—	X	—	X
			D00404060016	Channel/Swale	Rip Rap	X	—	X	—
DP-SMA-2	Baseline	22-Nov-10	D00503020003	Berm	Base Course Berm	—	X	X	—
			D00506030007	Check Dam	Juniper Bales	—	X	—	X
			D00506030009	Check Dam	Juniper Bales	—	X	—	X
	Additional	n/a	D00502040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			D00503010011	Berm	Earthen Berm	—	X	—	X
DP-SMA-2.35	Baseline	16-Dec-10	D00603020002	Berm	Base Course Berm	—	X	—	X
			D00604060004	Channel/Swale	Rip Rap	X	—	—	X
	Additional	n/a	D00602040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			D00603060006	Berm	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
DP-SMA-3	Baseline	9-Feb-11	D00703120015	Berm	Rock Berm	—	X	—	X
			D00706010008	Check Dam	Rock Check Dam	—	X	—	X
			D00706010009	Check Dam	Rock Check Dam	—	X	—	X
			D00706010010	Check Dam	Rock Check Dam	—	X	—	X
			D00706010011	Check Dam	Rock Check Dam	—	X	—	X
			D00706010012	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	30-Aug-12	D00703010016	Berm	Earthen Berm	—	X	—	X
			D00703010017	Berm	Earthen Berm	—	X	—	X
			D00703010018	Berm	Earthen Berm	—	X	—	X
			D00703010019	Berm	Earthen Berm	—	X	—	X
			D00703010020	Berm	Earthen Berm	—	X	—	X
			D00703010021	Berm	Earthen Berm	—	X	—	X
			D00703010022	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	D00702040023	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-4	Baseline	16-Dec-10	D00801010002	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			D00803010006	Berm	Earthen Berm	—	X	X	—
			D00803010007	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	D00802040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			D00806010008	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-0.25	Baseline	22-Nov-10	S00104060007	Channel/Swale	Rip Rap	X	—	X	—
			S00107010008	Gabion	Gabions	—	X	—	X
			S00107020003	Gabion	Gabion Blanket	X	—	—	X
	Enhanced	27-Jun-14	S00104030014	Channel/Swale	Rock Channel/Swale	X	—	X	—
			S00105010013	Sediment Trap and Basin and Basin	Sediment Trap	—	X	X	—
			S00105050012	Sediment Trap and Basin and Basin	Bioretention Basin	—	X	X	—
	Additional	n/a	S00102040011	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
S-SMA-1.1	Baseline	13-May-11	S00204060006	Channel/Swale	Rip Rap	X	—	X	—
			S00206010008	Check Dam	Rock Check Dam	—	X	X	—
			S00207010003	Gabion	Gabions	—	X	—	X
			S00207020005	Gabion	Gabion Blanket	X	—	X	—
	Enhanced	27-Nov-12	S00203010018	Berm	Earthen Berm	—	X	—	X
			S00203090017	Berm	Curbing	—	X	X	—
			S00204040016	Channel/Swale	Culvert	X	—	X	—
			S00204060014	Channel/Swale	Rip Rap	X	—	X	—
			S00204060015	Channel/Swale	Rip Rap	X	—	X	—
			S00204060019	Channel/Swale	Rip Rap	X	—	X	—
			S00205020013	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
	Additional	n/a	S00206010020	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-2	Baseline	22-Nov-10	S00304060005	Channel/Swale	Rip Rap	X	—	X	—
			S00304060009	Channel/Swale	Rip Rap	X	—	X	—
			S00304060010	Channel/Swale	Rip Rap	X	—	X	—
	Enhanced	8-Jul-13	S00301010013	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			S00301010015	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			S00304060012	Channel/Swale	Rip Rap	X	—	X	—
			S00304060016	Channel/Swale	Rip Rap	X	—	X	—
			S00304060021	Channel/Swale	Rip Rap	X	—	X	—
			S00305040014	Sediment Trap and Basin and Basin	Gravel Infiltration Strip	—	X	X	—
			S00306010017	Check Dam	Rock Check Dam	—	X	X	—
			S00306010018	Check Dam	Rock Check Dam	—	X	X	—
			S00306010019	Check Dam	Rock Check Dam	—	X	X	—
			S00306010020	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
S-SMA-2	Additional	n/a	S00302040022	Permanent Vegetation	Established Vegetation	X	—	—	X
			S00303140026	Berm	Coir Log	—	X	—	X
			S00304040024	Channel/Swale	Culvert	X	—	X	—
			S00304060011	Channel/Swale	Rip Rap	X	—	X	—
			S00304060025	Channel/Swale	Rip Rap	X	—	X	—
			S00304080023	Channel/Swale	TRM-Lined Swale	X	—	X	—
S-SMA-2.01	Baseline	16-Dec-10	S003A03010004	Berm	Earthen Berm	—	X	X	—
			S003A04060003	Channel/Swale	Rip Rap	X	—	—	X
	Enhanced	27-Nov-12	S003A05020006	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
			S003A05020007	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
			S003A05020008	Sediment Trap and Basin and Basin	Sediment Basin	—	X	—	X
	Additional	n/a	S003A02040009	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-2.8	Baseline	16-Dec-10	S00403010005	Berm	Earthen Berm	—	X	—	X
			S00403020004	Berm	Base Course Berm	—	X	X	—
	Additional	n/a	S00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			S00403060009	Berm	Straw Wattle	—	X	—	X
			S00408040007	Cap	Metal Cap	X	—	X	—
S-SMA-3.51	Baseline	16-Dec-10	S00503010005	Berm	Earthen Berm	—	X	—	X
			S00506010007	Check Dam	Rock Check Dam	—	X	X	—
			S00506010009	Check Dam	Rock Check Dam	—	X	X	—
			S00506010010	Check Dam	Rock Check Dam	—	X	X	—
			S00506010012	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	S00502040013	Permanent Vegetation	Established Vegetation	X	—	—	X
			S00506010014	Check Dam	Rock Check Dam	—	X	X	—
			S00506010015	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
S-SMA-3.52	Additional	n/a	S005A02040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			S005A03010004	Berm	Earthen Berm	—	X	X	—
			S005A03060006	Berm	Straw Wattle	—	X	—	X
S-SMA-3.53	Baseline	16-Dec-10	S005B03120005	Berm	Rock Berm	—	X	—	X
			S005B06010003	Check Dam	Rock Check Dam	—	X	X	—
			S005B06010004	Check Dam	Rock Check Dam	—	X	X	—
	Enhanced	2-May-13	S005B04040007	Channel/Swale	Culvert	X	—	X	—
			S005B04060006	Channel/Swale	Rip Rap	X	—	X	—
			S005B08030008	Cap	Concrete/Asphalt Cap	X	—	—	X
	Additional	n/a	S005B02040009	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.6	Baseline	22-Nov-10	S00604060002	Channel/Swale	Rip Rap	X	—	X	—
			S00604060010	Channel/Swale	Rip Rap	X	—	—	X
			S00604060011	Channel/Swale	Rip Rap	X	—	X	—
			S00606010001	Check Dam	Rock Check Dam	—	X	—	X
			S00606010012	Check Dam	Rock Check Dam	—	X	—	X
			S00606010013	Check Dam	Rock Check Dam	—	X	—	X
			S00606010014	Check Dam	Rock Check Dam	—	X	—	X
			S00607010007	Gabion	Gabions	—	X	X	—
			S00607010008	Gabion	Gabions	—	X	X	—
	Enhanced	27-Nov-12	S00603010019	Berm	Earthen Berm	—	X	X	—
			S00603010020	Berm	Earthen Berm	—	X	X	—
			S00606010016	Check Dam	Rock Check Dam	—	X	X	—
			S00606010017	Check Dam	Rock Check Dam	—	X	—	X
			S00606010018	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	S00506010031	Check Dam	Rock Check Dam	—	X	X	—
			S00506010032	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
S-SMA-3.6	Additional	n/a	S00506010033	Check Dam	Rock Check Dam	—	X	—	X
			S00602040021	Permanent Vegetation	Established Vegetation	X	—	—	X
			S00603100030	Berm	Gravel Bags	—	X	X	—
			S00604060028	Channel/Swale	Rip Rap	X	—	X	—
			S00604060029	Channel/Swale	Rip Rap	X	—	X	—
			S00607010026	Gabion	Gabions	X	—	X	—
			S00607020024	Gabion	Gabion Blanket	X	—	X	—
			S00607020025	Gabion	Gabion Blanket	X	—	X	—
S-SMA-3.7	Baseline	16-Dec-10	S00703120004	Berm	Rock Berm	—	X	X	—
			S00703120005	Berm	Rock Berm	—	X	—	X
			S00704030003	Channel/Swale	Rock Channel/Swale	X	—	X	—
	Additional	n/a	S00702040006	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.71	Baseline	16-Dec-10	S00804020002	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
			S00806010008	Check Dam	Rock Check Dam	—	X	—	X
			S00806010009	Check Dam	Rock Check Dam	—	X	—	X
			S00806010010	Check Dam	Rock Check Dam	—	X	—	X
			S00806010011	Check Dam	Rock Check Dam	—	X	—	X
			S00807010001	Gabion	Gabions	—	X	X	—
	Additional	n/a	S00802040015	Permanent Vegetation	Established Vegetation	X	—	—	X
			S00803010013	Berm	Earthen Berm	—	X	X	—
			S00803010014	Berm	Earthen Berm	—	X	—	X
S-SMA-3.72	Baseline	16-Dec-10	S00903120003	Berm	Rock Berm	—	X	X	—
			S00906010005	Check Dam	Rock Check Dam	—	X	—	X
			S00906010006	Check Dam	Rock Check Dam	—	X	—	X
			S00906010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	S00902040011	Permanent Vegetation	Established Vegetation	X	—	—	X
			S00903010009	Berm	Earthen Berm	—	X	X	—
			S00903010010	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
S-SMA-3.95	Additional	n/a	S01002040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			S01003060006	Berm	Straw Wattle	—	X	—	X
			S01004010009	Channel/Swale	Earthen Channel/Swale	—	X	X	—
S-SMA-4.1	Enhanced	25-Sep-12	S01101010007	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			S01103090005	Berm	Curbing	—	X	X	—
			S01103120008	Berm	Rock Berm	—	X	—	X
			S01104020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
	Additional	n/a	S01103060012	Berm	Straw Wattle	—	X	—	X
			S01103060013	Berm	Straw Wattle	—	X	—	X
S-SMA-4.5	Baseline	13-May-11	S01203010005	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	S01202040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			S01203060008	Berm	Straw Wattle	—	X	X	—
S-SMA-5	Baseline	13-May-11	S01304060003	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	S01302040011	Permanent Vegetation	Permanent Vegetation Established Vegetation	X	—	—	X
			S01303030009	Berm	Log Berm	—	X	X	—
			S01303060008	Berm	Straw Wattle	—	X	—	X
S-SMA-5.2	Baseline	16-Dec-10	S01404060011	Channel/Swale	Rip Rap	X	—	X	—
			S01406010006	Check Dam	Rock Check Dam	—	X	X	—
			S01406010007	Check Dam	Rock Check Dam	—	X	X	—
			S01406010008	Check Dam	Rock Check Dam	—	X	X	—
			S01406010009	Check Dam	Rock Check Dam	—	X	X	—
			S01406010010	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	S01402040016	Permanent Vegetation	Established Vegetation	X	—	—	X
			S01403120017	Berm	Rock Berm	—	X	—	X
			S01406010018	Check Dam	Rock Check Dam	—	X	—	X
			S01406010019	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-5.5	Baseline	13-May-11	S01503010004	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	S01502040005	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
S-SMA-6	Baseline	13-May-11	S01603010006	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	S01602040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			S01604060014	Channel/Swale	Rip Rap	—	X	X	—
			S01606010013	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.15	Baseline	22-Nov-10	C00103120009	Berm	Rock Berm	—	X	X	—
			C00106030003	Check Dam	Juniper Bales	—	X	X	—
			C00106030005	Check Dam	Juniper Bales	—	X	—	X
			C00106030006	Check Dam	Juniper Bales	—	X	—	X
			C00106030007	Check Dam	Juniper Bales	—	X	—	X
CDB-SMA-0.15	Additional	n/a	C00102040015	Permanent Vegetation	Established Vegetation	X	—	—	X
			C00103010013	Berm	Earthen Berm	—	X	—	X
			C00103060019	Berm	Straw Wattle	—	X	X	—
			C00103060020	Berm	Straw Wattle	—	X	X	—
			C00103060021	Berm	Straw Wattle	—	X	X	—
CDB-SMA-0.25	Baseline	22-Nov-10	C00203010013	Berm	Earthen Berm	—	X	—	X
			C00204060009	Channel/Swale	Rip Rap	X	—	X	—
	Enhanced	20-Jul-12	C00203010017	Berm	Earthen Berm	—	X	—	X
			C00203010018	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	C00202040019	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-0.55	Baseline	10-Jan-11	C00303010011	Berm	Earthen Berm	—	X	—	X
			C00306010006	Check Dam	Rock Check Dam	—	X	X	—
			C00306010013	Check Dam	Rock Check Dam	—	X	X	—
			C00306010015	Check Dam	Rock Check Dam	—	X	X	—
			C00306010016	Check Dam	Rock Check Dam	—	X	X	—
			C00306010017	Check Dam	Rock Check Dam	—	X	X	—
			C00306010018	Check Dam	Rock Check Dam	—	X	X	—
			C00306010019	Check Dam	Rock Check Dam	—	X	X	—
			C00306010020	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	C00302040021	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDB-SMA-1	Baseline	10-Jan-11	C00404060006	Channel/Swale	Rip Rap	X	—	X	—
			C00404060008	Channel/Swale	Rip Rap	—	X	—	X
			C00404060009	Channel/Swale	Rip Rap	—	X	X	—
			C00406010004	Check Dam	Rock Check Dam	—	X	—	X
			C00406010010	Check Dam	Rock Check Dam	—	X	X	—
			C00406010011	Check Dam	Rock Check Dam	—	X	X	—
			C00406010012	Check Dam	Rock Check Dam	—	X	X	—
			C00406010013	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	30-Jul-12	C00403010014	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	C00402040015	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.15	Baseline	22-Nov-10	C00503010006	Berm	Earthen Berm	—	X	—	X
			C00504060007	Channel/Swale	Rip Rap	X	—	X	—
			C00504060008	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	C00502040011	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.35	Baseline	22-Nov-10	C00603010006	Berm	Earthen Berm	—	X	—	X
			C00604060009	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	C00602040010	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.54	Baseline	22-Nov-10	C00703010007	Berm	Earthen Berm	—	X	—	X
			C00703010008	Berm	Earthen Berm	—	X	—	X
			C00703010009	Berm	Earthen Berm	—	X	X	—
			C00704050014	Channel/Swale	Water Bar	X	—	—	—
			C00704060006	Channel/Swale	Rip Rap	X	—	—	X
			C00706020015	Check Dam	Log Check Dam	—	X	—	X
			C00706020016	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	C00702040020	Permanent Vegetation	Established Vegetation	X	—	—	X
			C00703010019	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.55	Baseline	22-Nov-10	C00803010010	Berm	Earthen Berm	—	X	—	X
			C00803120009	Berm	Rock Berm	—	X	X	—
	Additional	n/a	C00802040012	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDB-SMA-1.65	Baseline	22-Nov-10	C00904010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			C00904060001	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	C00903010004	Berm	Earthen Berm	—	X	—	X
CDB-SMA-4	Baseline	16-Dec-10	C01004020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
			C01004060007	Channel/Swale	Rip Rap	X	—	—	X
			C01005010004	Sediment Trap and Basin and Basin	Sediment Trap	—	X	—	X
			C01006010006	Check Dam	Rock Check Dam	—	X	—	X
			C01006010008	Check Dam	Rock Check Dam	—	X	X	—
			C01006010009	Check Dam	Rock Check Dam	—	X	X	—
			C01006010010	Check Dam	Rock Check Dam	—	X	X	—
			C01006010011	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	C01002040012	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-1	Baseline	22-Nov-10	M00107010001	Gabions	Gabions	—	X	X	—
			M00107010006	Gabions	Gabions	—	X	—	X
	Enhanced	27-Nov-12	M00107010008	Gabions	Gabions	—	X	—	X
	Additional	n/a	M00102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-1.2	Baseline	16-Dec-10	M00204060008	Channel/Swale	Rip Rap	X	—	X	—
			M00206010003	Check Dam	Rock Check Dam	—	X	—	X
			M00206010004	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	25-Sep-14	M00203140011	Berm	Coir Log	—	X	—	X
			M00205020010	Sediment Trap and Basin	Sediment Basin	—	X	—	X
	Additional	n/a	M00202040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			M00203060012	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
M-SMA-1.21	Baseline	16-Dec-10	M002A03020002	Berm	Base Course Berm	—	X	X	—
			M002A03120005	Berm	Rock Berm	—	X	—	X
			M002A04060003	Channel/Swale	Rip Rap	X	—	—	X
			M002A06010004	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M002A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			M002A03010006	Berm	Earthen Berm	—	X	—	X
M-SMA-1.22	Baseline	9-Feb-11	M002B04050002	Channel/Swale	Water Bar	X	—	X	—
			M002B06010008	Check Dam	Rock Check Dam	—	X	—	X
			M002B06010009	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	2-May-13	M002B03010010	Berm	Earthen Berm	—	X	—	X
			M002B03010011	Berm	Earthen Berm	—	X	—	X
			M002B03010012	Berm	Earthen Berm	—	X	—	X
			M002B05030013	Sediment Trap and Basin	Sand Filter	—	X	—	X
	Additional	n/a	M002B01010015	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			M002B02040014	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-3	Baseline	12-May-11	M00303120009	Berm	Rock Berm	—	X	X	—
			M00303120010	Berm	Rock Berm	—	X	X	—
			M00303120011	Berm	Rock Berm	—	X	X	—
			M00304050005	Channel/Swale	Water Bar	X	—	X	—
			M00304060001	Channel/Swale	Rip Rap	X	—	—	X
			M00304060008	Channel/Swale	Rip Rap	X	—	X	—
			M00305020012	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			M00306010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M00304060014	Channel/Swale	Rip Rap	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
M-SMA-3.1	Baseline	16-Dec-10	M00403040006	Berm	Asphalt Berm	—	X	X	—
			M00404060005	Channel/Swale	Rip Rap	X	—	—	X
			M00406010004	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M00402040007	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-3.5	Baseline	12-May-11	M00503010015	Berm	Earthen Berm	—	X	—	X
			M00503010016	Berm	Earthen Berm	—	X	—	X
			M00503120009	Berm	Rock Berm	—	X	—	X
			M00503120010	Berm	Rock Berm	—	X	—	X
			M00503120013	Berm	Rock Berm	—	X	X	—
			M00503120014	Berm	Rock Berm	—	X	X	—
			M00504060011	Channel/Swale	Rip Rap	X	—	X	—
			M00504060012	Channel/Swale	Rip Rap	X	—	X	—
			M00504060017	Channel/Swale	Rip Rap	X	—	—	X
			M00506010004	Check Dam	Rock Check Dam	—	X	X	—
			M00506010005	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	M00502040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			M00504060019	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-4	Baseline	22-Nov-10	M00604060002	Channel/Swale	Rip Rap	X	—	—	X
			M00604060007	Channel/Swale	Rip Rap	X	—	X	—
			M00604060012	Channel/Swale	Rip Rap	X	—	X	—
			M00606010005	Check Dam	Rock Check Dam	—	X	X	—
			M00607010006	Gabions	Gabions	X	—	X	—
	Additional	n/a	M00602040014	Permanent Vegetation	Established Vegetation	X	—	—	X
			M00603120015	Berm	Rock Berm	—	X	—	X
			M00606010013	Check Dam	Rock Check Dam	—	X	X	—
			M00606010016	Check Dam	Rock Check Dam	—	X	—	X
			M00606010017	Check Dam	Rock Check Dam	—	X	—	X
			M00606010018	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
M-SMA-5	Baseline	12-May-11	M00703060015	Straw Wattle	Straw Wattle	—	X	X	—
			M00704020012	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			M00704060001	Channel/Swale	Rip Rap	X	—	—	X
			M00704060008	Channel/Swale	Rip Rap	X	—	X	—
			M00706010002	Check Dam	Rock Check Dam	—	X	—	X
			M00706010007	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	M00702040016	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-6	Baseline	16-Dec-10	M00804060001	Channel/Swale	Rip Rap	X	—	X	—
			M00804060014	Channel/Swale	Rip Rap	X	—	—	—
			M00805020016	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			M00806010007	Check Dam	Rock Check Dam	—	X	X	—
			M00807020013	Gabion	Gabion Blanket	X	—	X	—
			M00808030002	Cap	Concrete/Asphalt Cap	X	—	X	—
	Additional	n/a	M00802040024	Permanent Vegetation	Established Vegetation	X	—	—	X
			M00803010033	Berm	Earthen Berm	—	X	X	—
			M00804060025	Channel/Swale	Rip Rap	X	—	X	—
			M00806010017	Check Dam	Rock Check Dam	—	X	—	X
			M00806010020	Check Dam	Rock Check Dam	—	X	X	—
			M00806010027	Check Dam	Rock Check Dam	—	X	X	—
			M00806010028	Check Dam	Rock Check Dam	—	X	X	—
			M00806010032	Check Dam	Rock Check Dam	—	X	—	X
			M00807010029	Gabion	Gabion	—	X	—	X
			M00807010030	Gabion	Gabion	—	X	—	X
M-SMA-7	Baseline	16-Dec-10	M00906010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M00902040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			M00903060010	Straw Wattle	Straw Wattle	—	X	X	—
			M00903060011	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
M-SMA-7.9	Baseline	16-Dec-10	M01003010004	Berm	Earthen Berm	—	X	X	—
			M01003010010	Berm	Earthen Berm	—	X	X	—
			M01003010011	Berm	Earthen Berm	—	X	X	—
			M01003120005	Berm	Rock Berm	—	X	X	—
			M01003120006	Berm	Rock Berm	—	X	X	—
	Additional	n/a	M01002040013	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01003010012	Berm	Earthen Berm	—	X	—	X
			M01003060014	Straw Wattle	Straw Wattle	—	X	X	—
			M01003060015	Straw Wattle	Straw Wattle	—	X	X	—
			M01003120016	Berm	Rock Berm	—	X	X	—
M-SMA-9.1	Baseline	9-Feb-11	M01101020001	Seed and Mulch	Seed and Gravel Mulch	X	—	X	—
			M01104040004	Channel/Swale	Culvert	X	—	X	—
			M01106010005	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M01102040007	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-10	Baseline	16-Dec-10	M01204060004	Channel/Swale	Rip Rap	X	—	X	—
			M01204060007	Channel/Swale	Rip Rap	X	—	—	X
			M01204060008	Channel/Swale	Rip Rap	X	—	—	X
			M01206010001	Check Dam	Rock Check Dam	—	X	—	X
			M01206010005	Check Dam	Rock Check Dam	—	X	—	X
			M01206010006	Check Dam	Rock Check Dam	—	X	—	X
			M01206010009	Check Dam	Rock Check Dam	—	X	—	X
			M01206010010	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M01202040012	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-10.01	Baseline	16-Dec-10	M012A06010003	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	25-Sep-12	M012A03010006	Berm	Earthen Berm	—	X	—	X
			M012A03010007	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	M012A02040008	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
M-SMA-10.3	Baseline	12-May-11	M01303010011	Berm	Earthen Berm	—	X	X	—
			M01303010012	Berm	Earthen Berm	—	X	—	X
			M01303100013	Berm	Gravel Bags	—	X	X	—
	Additional	n/a	M01302040014	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01303140016	Berm	Coir Log	—	X	—	X
			M01306010017	Check Dam	Rock Check Dam	—	X	—	X
			M01306010018	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-11.1	Baseline	16-Dec-10	M01403090005	Berm	Curbing	—	X	X	—
			M01404060001	Channel/Swale	Rip Rap	X	—	X	—
			M01406020006	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	M01402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01403100007	Berm	Gravel Bags	—	X	X	—
M-SMA-12	Baseline	27-Apr-11	M01503090004	Berm	Curbing	—	X	X	—
			M01506020001	Check Dam	Log Check Dam	—	X	—	X
			M01506020006	Check Dam	Log Check Dam	—	X	—	X
			M01506020007	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	M01502040008	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.5	Additional	n/a	M01601010011	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			M01602040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01603010009	Berm	Earthen Berm	—	X	X	—
			M01603010010	Berm	Earthen Berm	—	X	—	X
M-SMA-12.6	Baseline	12-May-11	M01703020005	Berm	Base Course Berm	—	X	X	—
			M01703020006	Berm	Base Course Berm	—	X	X	—
			M01703020007	Berm	Base Course Berm	—	X	X	—
			M01706010008	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	M01701010013	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			M01702040014	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01703010010	Berm	Earthen Berm	—	X	X	—
			M01703060015	Straw Wattle	Straw Wattle	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
M-SMA-12.7	Baseline	16-Dec-10	M01803010008	Berm	Earthen Berm	—	X	X	—
			M01806020009	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	M01802040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01803060010	Straw Wattle	Straw Wattle	—	X	X	—
			M01803060011	Straw Wattle	Straw Wattle	—	X	X	—
M-SMA-12.8	Baseline	16-Dec-10	M01903010003	Berm	Earthen Berm	—	X	X	—
			M01906020006	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	M01902040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			M01903060009	Straw Wattle	Straw Wattle	—	X	—	X
M-SMA-12.9	Baseline	16-Dec-10	M02003010005	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	M02002040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			M02003010008	Berm	Earthen Berm	—	X	X	—
			M02003060010	Straw Wattle	Straw Wattle	—	X	—	X
			M02006020013	Check Dam	Log Check Dam	X	—	—	X
M-SMA-12.92	Baseline	22-Nov-10	M02105010001	Sediment Trap and Basin	Sediment Trap	—	X	—	X
			M02105010003	Sediment Trap and Basin	Sediment Trap	—	X	—	X
			M02105010004	Sediment Trap and Basin	Sediment Trap	—	X	X	—
	Additional	n/a	M02102040005	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-13	Baseline	16-Dec-10	M02206010008	Check Dam	Rock Check Dam	—	X	X	—
			M02206010009	Check Dam	Rock Check Dam	—	X	X	—
			M02206010010	Check Dam	Rock Check Dam	—	X	X	—
			M02206010011	Check Dam	Rock Check Dam	—	X	X	—
			M02206020001	Check Dam	Log Check Dam	—	X	—	X
			M02206020003	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	M02202040014	Permanent Vegetation	Established Vegetation	X	—	—	X
			M02203010013	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PRATT-SMA-1.05	Baseline	16-Dec-10	T00103020013	Berm	Base Course Berm	—	X	X	—
			T00103020014	Berm	Base Course Berm	—	X	X	—
			T00103020015	Berm	Base Course Berm	—	X	X	—
			T00103020016	Berm	Base Course Berm	—	X	X	—
			T00103090004	Berm	Curbing	—	X	X	—
			T00103120008	Berm	Rock Berm	—	X	—	X
			T00104020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			T00108020005	Cap	Rock Cap	X	—	X	—
	Enhanced	13-May-14	T00103010022	Berm	Earthen Berm	—	X	—	X
			T00103010023	Berm	Earthen Berm	—	X	—	X
			T00103020024	Berm	Base Course Berm	—	X	X	—
	Additional	n/a	T00102040020	Permanent Vegetation	Established Vegetation	X	—	—	X
			T00103010025	Berm	Earthen Berm	—	X	—	X
T-SMA-1	Baseline	16-Dec-10	T00208010001	Cap	Earth Cap	X	—	X	—
	Enhanced	12-May-14	T00203010013	Berm	Earthen Berm	—	X	X	—
			T00203010014	Berm	Earthen Berm	—	X	X	—
			T00203010015	Berm	Earthen Berm	—	X	—	X
			T00204020016	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			T00204040017	Channel/Swale	Culvert	X	—	X	—
			T00204040018	Channel/Swale	Culvert	X	—	X	—
			T00208010019	Cap	Earth Cap	X	—	X	—
	Additional	n/a	T00203060020	Straw Wattle	Straw Wattle	—	X	—	X
			T00203060021	Straw Wattle	Straw Wattle	—	X	—	X
			T00203060022	Straw Wattle	Straw Wattle	—	X	—	X
			T00203120023	Berm	Rock Berm	—	X	—	X
			T00206010024	Check Dam	Rock Check Dam	—	X	—	X
			T00206010025	Check Dam	Rock Check Dam	—	X	—	X
			T00206010026	Check Dam	Rock Check Dam	—	X	—	X
			T00206010027	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
T-SMA-2.5	Baseline	16-Dec-10	T00304010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			T00306010003	Check Dam	Rock Check Dam	—	X	—	X
			T00306010004	Check Dam	Rock Check Dam	—	X	—	X
			T00306010005	Check Dam	Rock Check Dam	—	X	—	X
			T00308020001	Cap	Rock Cap	X	—	—	X
T-SMA-2.85	Baseline	16-Dec-10	T00403090004	Berm	Curbing	—	X	X	—
			T00406010005	Check Dam	Rock Check Dam	—	X	—	X
			T00406010006	Check Dam	Rock Check Dam	X	—	X	—
	Additional	n/a	T00402040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			T00406010008	Check Dam	Rock Check Dam	—	X	—	X
			T00406010009	Check Dam	Rock Check Dam	—	X	—	X
			T00406010010	Check Dam	Rock Check Dam	—	X	—	X
			T00406010011	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-3	Baseline	16-Dec-10	T00504060001	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	T00502040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			T00506010013	Check Dam	Rock Check Dam	—	X	—	X
			T00506020010	Check Dam	Log Check Dam	—	X	—	X
			T00506020011	Check Dam	Log Check Dam	—	X	—	X
			T00506020014	Check Dam	Log Check Dam	—	X	—	X
T-SMA-4	Baseline	16-Dec-10	T00603030009	Berm	Log Berm	—	X	—	X
			T00603030010	Berm	Log Berm	—	X	—	X
			T00603090005	Berm	Curbing	—	X	X	—
			T00604060004	Channel/Swale	Rip Rap	X	—	—	X
			T00606010006	Check Dam	Rock Check Dam	—	X	X	—
			T00606010007	Check Dam	Rock Check Dam	—	X	X	—
			T00606010008	Check Dam	Rock Check Dam	—	X	X	—
			T00607010003	Gabions	Gabions	—	X	—	X
	Additional	n/a	T00602040011	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
T-SMA-5	Baseline	16-Dec-10	T00703020003	Berm	Base Course Berm	—	X	X	—
			T00703020008	Berm	Base Course Berm	—	X	X	—
			T00703120010	Berm	Rock Berm	—	X	—	X
			T00706010002	Check Dam	Rock Check Dam	—	X	—	X
			T00706010004	Check Dam	Rock Check Dam	—	X	—	X
			T00706010009	Check Dam	Rock Check Dam	—	X	X	—
			T00706010011	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	T00702040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			T00706010013	Check Dam	Rock Check Dam	—	X	—	X
			T00706010014	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-6.8	Baseline	16-Dec-10	T00803060002	Straw Wattle	Straw Wattle	—	X	X	—
			T00803100003	Berm	Gravel Bags	—	X	—	X
	Additional	n/a	T00801060004	Seed and Mulch	Erosion Control Blanket	X	—	—	—
			T00803060005	Straw Wattle	Straw Wattle	—	X	X	—
			T00803060006	Straw Wattle	Straw Wattle	—	X	X	—
			T00803060007	Straw Wattle	Straw Wattle	—	X	X	—
T-SMA-7	Baseline	16-Dec-10	T00903020008	Berm	Base Course Berm	—	X	X	—
			T00906010002	Check Dam	Rock Check Dam	—	X	—	X
			T00906010003	Check Dam	Rock Check Dam	—	X	—	X
			T00906010006	Check Dam	Rock Check Dam	—	X	—	X
			T00906010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	T00901030012	Seed and Mulch	Hydromulch	X	—	—	—
			T00902040011	Permanent Vegetation	Established Vegetation	X	—	—	X
			T00903010009	Berm	Earthen Berm	—	X	X	—
			T00903060013	Straw Wattle	Straw Wattle	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
T-SMA-7.1	Baseline	16-Dec-10	T01003020005	Berm	Base Course Berm	—	X	X	—
			T01006020006	Check Dam	Log Check Dam	—	X	—	X
	Additional	n/a	T01001030011	Seed and Mulch	Hydromulch	X	—	—	X
			T01002040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			T01003010007	Berm	Earthen Berm	—	X	—	X
			T01003010008	Berm	Earthen Berm	—	X	—	X
			T01003060010	Straw Wattle	Straw Wattle	—	X	—	X
2M-SMA-1	Baseline	22-Nov-10	E00104060010	Channel/Swale	Rip Rap	X	—	X	—
			E00104060011	Channel/Swale	Rip Rap	X	—	X	—
			E00106010007	Check Dam	Rock Check Dam	—	X	X	—
			E00106010008	Check Dam	Rock Check Dam	—	X	X	—
			E00106010009	Check Dam	Rock Check Dam	—	X	X	—
			E00107010003	Gabion	Gabion	—	X	—	X
	Enhanced	20-Jul-12	E00105020013	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			E00103010014	Berm	Earthen Berm	—	X	X	—
			E00106010016	Check Dam	Rock Check Dam	—	X	X	—
			E00106010017	Check Dam	Rock Check Dam	—	X	X	—
			E00106010018	Check Dam	Rock Check Dam	—	X	X	—
			E00106010019	Check Dam	Rock Check Dam	—	X	X	—
			E00106010020	Check Dam	Rock Check Dam	—	X	X	—
			E00106010021	Check Dam	Rock Check Dam	—	X	X	—
			E00106010022	Check Dam	Rock Check Dam	—	X	X	—
			E00106010023	Check Dam	Rock Check Dam	—	X	X	—
			E00106010024	Check Dam	Rock Check Dam	—	X	X	—
			E00106010025	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	E00102040026	Permanent Vegetation	Established Vegetation	X	—	—	X
			E00103040027	Berm	Asphalt Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
2M-SMA-1.42	Baseline	10-Jan-11	E00203120003	Berm	Rock Berm	—	X	X	—
			E00206010006	Check Dam	Rock Check Dam	—	X	X	—
			E00206010007	Check Dam	Rock Check Dam	—	X	X	—
			E00206010008	Check Dam	Rock Check Dam	—	X	X	—
	Enhanced	27-Jun-12	E00201010013	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			E00203010011	Berm	Earthen Berm	—	X	—	X
			E00203010012	Berm	Earthen Berm	—	X	X	—
			E00203010014	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	E00202040015	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.43	Baseline	22-Nov-10	E00306010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	E00302040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			E00304060004	Channel/Swale	Rip Rap	X	—	—	X
2M-SMA-1.44	Enhanced	27-Jun-12	E00401010007	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			E00403010006	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	E00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.45	Enhanced	21-Aug-12	E00503010016	Berm	Earthen Berm	—	X	—	X
			E00503010017	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	E00502040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			E00503010014	Berm	Earthen Berm	—	X	—	X
			E00503010015	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.5	Baseline	22-Nov-10	E00604040002	Channel/Swale	Culvert	X	—	X	—
	Additional	n/a	E00602040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			E00603060006	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
2M-SMA-1.65	Baseline	10-Jan-11	E00703010004	Berm	Earthen Berm	—	X	X	—
			E00703010005	Berm	Earthen Berm	—	X	—	X
	Enhanced	20-Jul-12	E00703010010	Berm	Earthen Berm	—	X	X	—
			E00706010006	Check Dam	Rock Check Dam	—	X	X	—
			E00706010007	Check Dam	Rock Check Dam	—	X	X	—
			E00706010008	Check Dam	Rock Check Dam	—	X	X	—
			E00706010009	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	E00702040011	Permanent Vegetation	Established Vegetation	X	—	—	X
			E00703060012	Straw Wattle	Straw Wattle	—	X	—	X
2M-SMA-1.67	Baseline	27-Apr-11	E00801010006	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			E00803060009	Straw Wattle	Straw Wattle	—	X	X	—
	Additional	n/a	E00802040016	Permanent Vegetation	Established Vegetation	X	—	—	X
			E00803010014	Berm	Earthen Berm	—	X	—	X
			E00803010015	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.7	Baseline	10-Jan-11	E00903120005	Berm	Rock Berm	—	X	—	X
	Enhanced	27-Jul-12	E00903010008	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	E00902040009	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.8	Enhanced	TBD[h]	E01008030008	Cap	Concrete/Asphalt Cap	X	—	X	—
			E01008030009	Cap	Concrete/Asphalt Cap	X	—	X	—
	Baseline	10-Jan-11	E01003040003	Berm	Asphalt Berm	—	X	X	—
			E01006010004	Check Dam	Rock Check Dam	—	X	—	X
			E01006010005	Check Dam	Rock Check Dam	—	X	—	X
			E01006010006	Check Dam	Rock Check Dam	—	X	—	X
			E01006010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	E01002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.9	Baseline	10-Jan-11	E01103090001	Berm	Curbing	—	X	X	—
			E01103100003	Berm	Gravel Bags	—	X	—	X
	Additional	n/a	E01103100004	Berm	Gravel Bags	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
2M-SMA-2	Baseline	10-Jan-11	E01203090006	Berm	Curbing	—	X	X	—
	Enhanced	2-May-13	E01205020014	Sediment Trap and Basin	Sediment Basin	—	X	—	X
	Additional	n/a	E01202040015	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-2.2	Enhanced	TBD	E01308030006	Cap	Concrete/Asphalt Cap	X	—	X	—
	Baseline	22-Nov-10	E01303090002	Berm	Curbing	—	—	X	—
			E01304020003	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
			E01306010004	Check Dam	Rock Check Dam	—	X	—	X
			E01306010005	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-2.5	Baseline	10-Jan-11	E01503010004	Berm	Earthen Berm	—	X	X	—
			E01503010005	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	E01502040006	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-3	Additional	n/a	E01402040013	Permanent Vegetation	Established Vegetation	X	—	—	X
			E01403060011	Straw Wattle	Straw Wattle	—	X	—	X
			E01403060012	Straw Wattle	Straw Wattle	—	X	—	X
			E01403060017	Straw Wattle	Straw Wattle	—	X	—	X
			E01403060019	Straw Wattle	Straw Wattle	—	X	X	—
			E01403060020	Straw Wattle	Straw Wattle	—	X	—	X
			E01403060021	Straw Wattle	Straw Wattle	—	X	X	—
3M-SMA-0.2	Baseline	22-Nov-10	H00106010002	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	H00102040006	Permanent Vegetation	Established Vegetation	X	—	—	X
			H00103010005	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
3M-SMA-0.4	Baseline	10-Jan-11	H00203010003	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	H00202040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			H00203010004	Berm	Earthen Berm	—	X	—	X
			H00203120008	Berm	Rock Berm	—	X	X	—
			H00203120009	Berm	Rock Berm	—	X	X	—
			H00203120010	Berm	Rock Berm	—	X	X	—
			H00203120011	Berm	Rock Berm	—	X	X	—
			H00203120012	Berm	Rock Berm	—	X	—	X
			H00203120013	Berm	Rock Berm	—	X	—	X
			H00205020007	Sediment Trap and Basin	Sediment Basin	—	X	—	X
			H00208020006	Cap	Rock Cap	X	—	—	—
3M-SMA-0.5	Baseline	10-Jan-11	H00303010014	Berm	Earthen Berm	—	X	—	X
			H00304060001	Channel/Swale	Rip Rap	X	—	—	X
			H00304060004	Channel/Swale	Rip Rap	X	—	—	X
			H00306010002	Check Dam	Rock Check Dam	—	X	—	X
			H00306010005	Check Dam	Rock Check Dam	—	X	X	—
			H00306010006	Check Dam	Rock Check Dam	—	X	X	—
			H00306010007	Check Dam	Rock Check Dam	—	X	X	—
			H00306010008	Check Dam	Rock Check Dam	—	X	X	—
			H00306010009	Check Dam	Rock Check Dam	—	X	X	—
			H00306010010	Check Dam	Rock Check Dam	—	X	X	—
			H00306010011	Check Dam	Rock Check Dam	—	X	X	—
			H00306010012	Check Dam	Rock Check Dam	—	X	X	—
			H00306010013	Check Dam	Rock Check Dam	—	X	—	X
			H00306010016	Check Dam	Rock Check Dam	—	X	X	—
3M-SMA-0.5	Additional	n/a	H00302040017	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
3M-SMA-0.6	Baseline	10-Jan-11	H00403060002	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060003	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060006	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060008	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060010	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060011	Straw Wattle	Straw Wattle	—	X	—	X
			H00403060012	Straw Wattle	Straw Wattle	—	X	—	X
			H00403060015	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060017	Straw Wattle	Straw Wattle	—	X	—	X
			H00403060018	Straw Wattle	Straw Wattle	—	X	—	X
			H00403060019	Straw Wattle	Straw Wattle	—	X	—	X
			H00403060021	Straw Wattle	Straw Wattle	—	X	—	X
			H00403060022	Straw Wattle	Straw Wattle	—	X	X	—
			H00403060027	Straw Wattle	Straw Wattle	—	X	—	X
3M-SMA-0.6	Additional	n/a	H00402040029	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-2.6	Baseline	27-Apr-11	H00503120005	Berm	Rock Berm	—	X	X	—
			H00504040003	Channel/Swale	Culvert	—	—	X	—
			H00506010006	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	H00502040007	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-4	Baseline	10-Jan-11	H00603010007	Berm	Earthen Berm	—	X	—	X
			H00603010008	Berm	Earthen Berm	—	X	—	X
			H00604020009	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			H00604060005	Channel/Swale	Rip Rap	X	—	X	—
			H00604060006	Channel/Swale	Rip Rap	X	—	—	X
			H00607010002	Gabions	Gabions	—	X	X	—
	Additional	n/a	H00602040010	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-1.05	Baseline	22-Nov-10	J00104050008	Channel/Swale	Water Bar	X	—	—	X
			J00104050009	Channel/Swale	Water Bar	X	—	X	—
			J00104060011	Channel/Swale	Rip Rap	X	—	—	X
	Additional	n/a	J00101010015	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			J00102040019	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00103010017	Berm	Earthen Berm	—	X	—	X
			J00103010018	Berm	Earthen Berm	—	X	—	X
			J00104050012	Channel/Swale	Water Bar	X	—	X	—
			J00104050013	Channel/Swale	Water Bar	X	—	X	—
			J00104050014	Channel/Swale	Water Bar	X	—	X	—
PJ-SMA-2	Baseline	22-Nov-10	J00203010006	Berm	Earthen Berm	—	X	X	—
			J00203010007	Berm	Earthen Berm	—	X	X	—
			J00203010008	Berm	Earthen Berm	—	X	X	—
			J00203010009	Berm	Earthen Berm	—	X	X	—
			J00206010014	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	J00202040022	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00203010015	Berm	Earthen Berm	—	X	X	—
			J00206010019	Check Dam	Rock Check Dam	—	X	X	—
			J00206010020	Check Dam	Rock Check Dam	—	X	X	—
			J00206010021	Check Dam	Rock Check Dam	—	X	X	—
			J00206010023	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-3.05	Enhanced	18-Jul-12	J00303010010	Berm	Earthen Berm	—	X	X	—
			J00303010011	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	J00302040012	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-4.05	Baseline	22-Nov-10	J00406010006	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	J00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00403010007	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-5	Baseline	22-Nov-10	J00504010003	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			J00506010008	Check Dam	Rock Check Dam	—	X	X	—
			J00506010009	Check Dam	Rock Check Dam	—	X	X	—
			J00506010010	Check Dam	Rock Check Dam	—	X	X	—
			J00506010011	Check Dam	Rock Check Dam	—	X	—	X
			J00506010012	Check Dam	Rock Check Dam	—	X	—	X
			J00506030004	Check Dam	Juniper Bales	—	X	X	—
			J00506030007	Check Dam	Juniper Bales	—	X	X	—
	Additional	n/a	J00502040015	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00503060013	Straw Wattle	Straw Wattle	—	X	X	—
			J00503060014	Straw Wattle	Straw Wattle	—	X	X	—
PJ-SMA-5.1	Baseline	10-Jan-11	J00604010004	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			J00606010007	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	18-Jul-12	J00603010009	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	J00602040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00603010011	Berm	Earthen Berm	—	X	X	—
			J00608030012	Cap	Concrete/Asphalt Cap	X	—	—	X
PJ-SMA-6	Baseline	22-Nov-10	J00706010002	Check Dam	Rock Check Dam	—	X	X	—
			J00706010003	Check Dam	Rock Check Dam	—	X	X	—
			J00706010004	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	J00702040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00703010009	Berm	Earthen Berm	—	X	—	X
			J00703010010	Berm	Earthen Berm	—	X	—	X
			J00703010011	Berm	Earthen Berm	—	X	—	X
			J00703060013	Straw Wattle	Straw Wattle	—	X	X	—
			J00703060014	Straw Wattle	Straw Wattle	—	X	X	—
			J00703060015	Straw Wattle	Straw Wattle	—	X	X	—
			J00703060016	Straw Wattle	Straw Wattle	—	X	X	—
			J00703120012	Berm	Rock Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-7	Baseline	22-Nov-10	J00803010004	Berm	Earthen Berm	—	X	—	X
			J00804010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			J00804040003	Channel/Swale	Culvert	X	—	X	—
	Additional	n/a	J00802040006	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00803040007	Berm	Asphalt Berm	—	X	X	—
PJ-SMA-8	Baseline	22-Nov-10	J00903010006	Berm	Earthen Berm	—	X	—	X
			J00903010009	Berm	Earthen Berm	—	X	—	X
			J00904020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			J00906010002	Check Dam	Rock Check Dam	—	X	X	—
			J00906010004	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	J00902040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			J00906010011	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-9	Baseline	22-Nov-10	J01003010002	Berm	Earthen Berm	—	X	—	X
			J01004060001	Channel/Swale	Rip Rap	X	—	X	—
			J01006010006	Check Dam	Rock Check Dam	—	X	—	X
			J01006010007	Check Dam	Rock Check Dam	—	X	X	—
			J01006010008	Check Dam	Rock Check Dam	—	X	X	—
			J01006010009	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	J01002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			J01003060013	Straw Wattle	Straw Wattle	—	X	—	X
			J01003060014	Straw Wattle	Straw Wattle	—	x	—	x
			J01003060015	Straw Wattle	Straw Wattle	—	X	—	X
PJ-SMA-10	Baseline	10-Jan-11	J01203020001	Berm	Base Course Berm	—	X	X	—
			J01204060004	Channel/Swale	Rip Rap	X	—	—	X
	Additional	n/a	J01206010008	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-11	Baseline	10-Jan-11	J01303010003	Berm	Earthen Berm	—	X	—	X
			J01303010004	Berm	Earthen Berm	—	X	X	—
			J01303060012	Straw Wattle	Straw Wattle	—	X	—	X
			J01306010005	Check Dam	Rock Check Dam	—	X	—	X
			J01306010006	Check Dam	Rock Check Dam	—	X	—	X
			J01306010007	Check Dam	Rock Check Dam	—	X	—	X
			J01306010008	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	J01301010020	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			J01302040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			J01303060016	Straw Wattle	Straw Wattle	—	X	—	X
			J01303060017	Straw Wattle	Straw Wattle	—	X	—	X
			J01303060019	Straw Wattle	Straw Wattle	—	X	X	X
			J01303060021	Straw Wattle	Straw Wattle	—	X	—	X
			J01303060022	Straw Wattle	Straw Wattle	—	X	—	X
			J01303060023	Straw Wattle	Straw Wattle	—	X	—	X
PJ-SMA-11.1	Baseline	10-Jan-11	J01403010003	Berm	Earthen Berm	—	X	X	—
			J01406010004	Check Dam	Rock Check Dam	—	X	—	X
			J01406010006	Check Dam	Rock Check Dam	—	X	—	X
			J01406010007	Check Dam	Rock Check Dam	—	X	—	X
			J01406010008	Check Dam	Rock Check Dam	—	X	—	X
			J01406010009	Check Dam	Rock Check Dam	—	X	—	X
			J01406010010	Check Dam	Rock Check Dam	—	X	—	X
			J01406010011	Check Dam	Rock Check Dam	—	X	—	X
			J01406010012	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	J01402040015	Permanent Vegetation	Established Vegetation	X	—	—	X
			J01403060016	Straw Wattle	Straw Wattle	—	X	—	X
			J01403060017	Straw Wattle	Straw Wattle	—	X	X	—
			J01403060018	Straw Wattle	Straw Wattle	—	X	—	X
			J01403060019	Straw Wattle	Straw Wattle	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-13	Additional	n/a	J01502040005	Permanent Vegetation	Established Vegetation	X	—	—	X
	Baseline	27-Apr-11	J01503010002	Berm	Earthen Berm	—	X	X	—
			J01503010003	Berm	Earthen Berm	—	X	—	X
PJ-SMA-13.7	Baseline	10-Jan-11	J01606010007	Check Dam	Rock Check Dam	—	X	X	—
			J01607010002	Gabions	Gabions	X	—	—	X
	Enhanced	8-Jul-13	J01605020008	Sediment Trap and Basin	Sediment Basin	—	X	—	X
			J01605020009	Sediment Trap and Basin	Sediment Basin	—	X	—	X
			J01608030010	Cap	Concrete/Asphalt Cap	—	—	—	X
	Additional	n/a	J01602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14	Baseline	27-Apr-11	J01701010004	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			J01703020002	Berm	Base Course Berm	—	X	X	—
			J01703020003	Berm	Base Course Berm	—	X	—	X
			J01708010001	Cap	Earth Cap	X	—	—	—
	Additional	n/a	J01703010005	Berm	Earthen Berm	—	X	—	X
			J01703010006	Berm	Earthen Berm	—	X	—	X
PJ-SMA-14.2	Baseline	22-Nov-10	J01803120004	Berm	Rock Berm	—	X	—	X
	Additional	n/a	J01802040005	Permanent Vegetation	Established Vegetation	X	—	—	X
			J01803060006	Straw Wattle	Straw Wattle	—	X	X	—
PJ-SMA-14.3	Additional	n/a	J01902040003	Permanent Vegetation	Established Vegetation	X	—	—	X
			J01903060005	Straw Wattle	Straw Wattle	—	X	—	X
PJ-SMA-14.4	Baseline	27-Apr-11	J02003010008	Berm	Earthen Berm	—	X	X	—
			J02003040006	Berm	Asphalt Berm	—	X	X	—
	Additional	n/a	J02002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14.6	Additional	n/a	J02102040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			J02103010005	Berm	Earthen Berm	—	X	—	X
			J02104060007	Channel/Swale	Rip Rap	X	—	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-14.8	Baseline	10-Jan-11	J02203020005	Berm	Base Course Berm	—	X	X	—
	Additional	n/a	J02202040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			J02203060008	Straw Wattle	Straw Wattle	—	X	—	X
PJ-SMA-16	Additional	n/a	J02302040004	Permanent Vegetation	Established Vegetation	X	—	—	X
			J02303060003	Straw Wattle	Straw Wattle	—	X	—	X
PJ-SMA-17	Baseline	22-Nov-10	J02404060006	Channel/Swale	Rip Rap	X	—	—	X
			J02404060007	Channel/Swale	Rip Rap	X	—	—	X
			J02405010005	Sediment Trap and Basin	Sediment Trap	—	X	—	X
			J02406010004	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	J02402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-18	Baseline	22-Nov-10	J02604060007	Channel/Swale	Rip Rap	X	—	—	X
			J02605010005	Sediment Trap and Basin	Sediment Trap	—	X	—	X
			J02606010004	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	J02602040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			J02604010009	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			J02604010011	Channel/Swale	Earthen Channel/Swale	X	—	—	X
			J02604060012	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-19	Baseline	22-Nov-10	J02504020004	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			J02504020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
			J02504060010	Channel/Swale	Rip Rap	X	—	—	X
			J02505020002	Sediment Trap and Basin	Sediment Basin	—	X	—	X
			J02506010005	Check Dam	Rock Check Dam	—	X	—	X
			J02506010008	Check Dam	Rock Check Dam	—	X	—	X
			J02506010009	Check Dam	Rock Check Dam	—	X	—	X
			J02507010001	Gabions	Gabions	—	X	—	X
	Additional	n/a	J02502040011	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PJ-SMA-20	Baseline	16-Dec-10	J02703090001	Berm	Curbing	—	X	—	X
			J02704060006	Channel/Swale	Rip Rap	X	—	—	X
			J02708030005	Cap	Concrete/Asphalt Cap	X	—	X	—
	Additional	n/a	J02702040007	Permanent Vegetation	Established Vegetation	X	—	—	X
STRM-SMA-1.05	Baseline	22-Nov-10	J02804060006	Channel/Swale	Rip Rap	X	—	—	X
			J02806010004	Check Dam	Rock Check Dam	—	X	X	—
			J02806010005	Check Dam	Rock Check Dam	—	X	X	—
	Enhanced	2-May-13	J02808030008	Cap	Concrete/Asphalt Cap	—	—	—	—
	Additional	n/a	J02802040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			J02806010007	Check Dam	Rock Check Dam	—	X	X	—
STRM-SMA-1.5	Enhanced	8-Jul-13	J02903010013	Berm	Earthen Berm	—	X	X	—
			J02903010014	Berm	Earthen Berm	—	X	—	X
			J02903120015	Berm	Rock Berm	—	X	—	X
			J02904060016	Channel/Swale	Rip Rap	X	—	—	X
			J02908030017	Cap	Concrete/Asphalt Cap	X	—	—	X
	Additional	n/a	J02902040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			J02903010009	Berm	Earthen Berm	—	X	X	—
			J02903010010	Berm	Earthen Berm	—	X	X	—
			J02903010011	Berm	Earthen Berm	—	X	X	—
STRM-SMA-4.2	Baseline	22-Nov-10	J03003010003	Berm	Earthen Berm	—	X	—	X
			J03004010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
	Enhanced	17-Aug-12	J03001010005	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			J03003010004	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	J03002040006	Permanent Vegetation	Established Vegetation	X	—	—	X
STRM-SMA-5.05	Baseline	22-Nov-10	J03103020004	Berm	Base Course Berm	—	X	—	X
	Enhanced	27-Jun-12	J03103010009	Berm	Earthen Berm	—	X	X	—
			J03103010010	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	J03102040013	Permanent Vegetation	Established Vegetation	X	—	—	X
			J03103010012	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-1.2	Baseline	10-Jan-11	V00103020008	Berm	Base Course Berm	—	X	—	X
			V00104060001	Channel/Swale	Rip Rap	X	—	—	X
			V00106010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	V00102040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			V00103060009	Straw Wattle	Straw Wattle	—	X	X	—
			V00103060010	Straw Wattle	Straw Wattle	—	X	X	—
			V00103060011	Straw Wattle	Straw Wattle	—	X	X	—
CDV-SMA-1.3	Baseline	10-Jan-11	V00203020002	Berm	Base Course Berm	—	X	—	X
	Additional	n/a	V00202040003	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.4	Baseline	10-Jan-11	V00303020017	Berm	Base Course Berm	—	X	X	—
			V00306010012	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	12-May-14	V00303010070	Berm	Earthen Berm	—	X	X	—
			V00303010071	Berm	Earthen Berm	—	X	—	X
			V00303010072	Berm	Earthen Berm	—	X	—	X
			V00305020073	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			V00305020074	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			V00305020075	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			V00305020076	Sediment Trap and Basin	Sediment Basin	—	X	X	—
	Additional	n/a	V00302040069	Permanent Vegetation	Established Vegetation	X	—	—	X
			V00303010066	Berm	Earthen Berm	—	X	X	—
			V00303060077	Straw Wattle	Straw Wattle	—	X	X	—
			V00303060078	Straw Wattle	Straw Wattle	—	X	X	—
			V00303060079	Straw Wattle	Straw Wattle	—	X	X	—
			V00303060080	Straw Wattle	Straw Wattle	—	X	X	—
			V00303060081	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-1.4	Additional	n/a	V00305020068	Sediment Trap and Basin	Sediment Basin	—	X	X	—
			V00306010039	Check Dam	Rock Check Dam	—	X	—	X
			V00306010040	Check Dam	Rock Check Dam	—	X	—	X
			V00306010043	Check Dam	Rock Check Dam	—	X	X	—
			V00306010057	Check Dam	Rock Check Dam	—	X	X	—
			V00306010058	Check Dam	Rock Check Dam	—	X	—	X
			V00306010059	Check Dam	Rock Check Dam	—	X	—	X
			V00306010060	Check Dam	Rock Check Dam	—	X	—	X
			V00306010061	Check Dam	Rock Check Dam	—	X	—	X
			V00306010062	Check Dam	Rock Check Dam	—	X	—	X
			V00306010063	Check Dam	Rock Check Dam	—	X	—	X
			V00306010064	Check Dam	Rock Check Dam	—	X	—	X
			V00306010065	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.45	Enhanced	18-Jul-12	V00403010004	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	V00402040005	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.7	Baseline	10-Jan-11	V00501010004	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
			V00504060015	Channel/Swale	Rip Rap	X	—	—	—
			V00506010005	Check Dam	Rock Check Dam	—	X	—	X
			V00506010006	Check Dam	Rock Check Dam	—	X	—	X
			V00506010008	Check Dam	Rock Check Dam	—	X	X	—
			V00506010009	Check Dam	Rock Check Dam	—	X	X	—
			V00506010010	Check Dam	Rock Check Dam	—	X	X	—
			V00506010011	Check Dam	Rock Check Dam	—	X	—	X
			V00506010012	Check Dam	Rock Check Dam	—	X	—	X
			V00506010013	Check Dam	Rock Check Dam	—	X	X	—
			V00506010014	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-1.7	Additional	n/a	V00502040016	Permanent Vegetation	Established Vegetation	X	—	—	X
			V00503060024	Straw Wattle	Straw Wattle	—	X	—	X
			V00503060025	Straw Wattle	Straw Wattle	—	X	—	X
			V00504010018	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			V00504040017	Channel/Swale	Culvert	X	—	X	—
			V00504060026	Channel/Swale	Rip Rap	X	—	—	—
			V00506010019	Check Dam	Rock Check Dam	—	X	X	—
			V00506010020	Check Dam	Rock Check Dam	—	X	X	—
			V00506010021	Check Dam	Rock Check Dam	—	X	X	—
			V00506010022	Check Dam	Rock Check Dam	—	X	X	—
			V00506020023	Check Dam	Log Check Dam	—	X	—	X
CDV-SMA-2	Baseline	12-May-11	V00603010006	Berm	Earthen Berm	—	X	—	X
			V00603010007	Berm	Earthen Berm	—	X	X	—
			V00603010008	Berm	Earthen Berm	—	X	X	—
			V00603010009	Berm	Earthen Berm	—	X	X	—
			V00603010010	Berm	Earthen Berm	—	X	X	—
			V00603090001	Berm	Curbing	—	X	X	—
			V00604060003	Channel/Swale	Rip Rap	X	—	—	X
			V00606010002	Check Dam	Rock Check Dam	—	X	—	X
			V00608020012	Cap	Rock Cap	X	—	—	X
	Additional	n/a	V00602040013	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-2.3	Baseline	10-Jan-11	V00707010002	Gabions	Gabions	—	X	—	X
	Additional	n/a	V00702040021	Permanent Vegetation	Established Vegetation	X	—	—	X
			V00703010027	Berm	Earthen Berm	—	X	—	X
			V00703060023	Straw Wattle	Straw Wattle	—	X	—	X
			V00703060028	Straw Wattle	Straw Wattle	—	X	—	X
			V00703060029	Straw Wattle	Straw Wattle	—	x	x	—
			V00703120026	Berm	Rock Berm	—	X	—	X
			V00706010019	Check Dam	Rock Check Dam	—	X	X	—
			V00706010020	Check Dam	Rock Check Dam	—	X	X	—
			V00706010024	Check Dam	Rock Check Dam	—	X	—	X
			V00706010025	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.41	Baseline	10-Jan-11	V00804040011	Channel/Swale	Culvert	X	—	X	—
			V00804060010	Channel/Swale	Rip Rap	X	—	X	—
	Enhanced	27-Jun-14	V00803010013	Berm	Earthen Berm	—	X	—	X
			V00804010014	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			V00806010012	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	V00802040015	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2.42	Baseline	10-Jan-11	V008A03010006	Berm	Earthen Berm	—	X	—	X
			V008A03010016	Berm	Earthen Berm	—	X	—	X
			V008A04060002	Channel/Swale	Rip Rap	X	—	—	X
			V008A04060005	Channel/Swale	Rip Rap	X	—	—	X
			V008A06010004	Check Dam	Rock Check Dam	—	X	—	X
			V008A07010003	Gabions	Gabions	—	X	—	X
	Additional	n/a	V008A02040020	Permanent Vegetation	Established Vegetation	X	—	—	X
			V008A04060018	Channel/Swale	Rip Rap	X	—	X	—
			V008A04060019	Channel/Swale	Rip Rap	X	—	—	X
			V008A06010017	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-2.5	Baseline	10-Jan-11	V00903010011	Berm	Earthen Berm	—	X	—	X
			V00904060005	Channel/Swale	Rip Rap	X	—	X	—
			V00904060006	Channel/Swale	Rip Rap	X	—	—	X
			V00904060007	Channel/Swale	Rip Rap	X	—	X	—
			V00904060009	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	V00902040036	Permanent Vegetation	Established Vegetation	X	—	—	X
			V00903010043	Berm	Earthen Berm	—	X	X	—
			V00903120034	Berm	Rock Berm	—	X	—	X
			V00903120035	Berm	Rock Berm	—	X	—	X
			V00903120038	Berm	Rock Berm	—	X	X	—
			V00903120039	Berm	Rock Berm	—	X	X	—
			V00903120040	Berm	Rock Berm	—	X	X	—
			V00903120041	Berm	Rock Berm	—	X	X	—
			V00903120042	Berm	Rock Berm	—	X	—	X
			V00906010029	Check Dam	Rock Check Dam	—	X	X	—
			V00906010030	Check Dam	Rock Check Dam	—	X	X	—
			V00906010031	Check Dam	Rock Check Dam	—	X	X	—
			V00906010033	Check Dam	Rock Check Dam	—	X	X	—
			V00906010044	Check Dam	Rock Check Dam	—	X	X	—
			V00906010045	Check Dam	Rock Check Dam	—	X	—	X
			V00906010046	Check Dam	Rock Check Dam	—	X	—	X
			V00906010047	Check Dam	Rock Check Dam	—	X	X	—
			V00906010048	Check Dam	Rock Check Dam	—	X	X	—
			V00906010049	Check Dam	Rock Check Dam	—	X	—	X
			V00906010050	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-2.51	Baseline	10-Jan-11	V009A03020005	Berm	Base Course Berm	—	X	X	—
			V009A03020012	Berm	Base Course Berm	—	X	X	—
			V009A06010003	Check Dam	Rock Check Dam	—	X	—	X
			V009A06010004	Check Dam	Rock Check Dam	—	X	—	X
			V009A06010006	Check Dam	Rock Check Dam	—	X	X	—
			V009A06010013	Check Dam	Rock Check Dam	—	X	—	X
			V009A06010014	Check Dam	Rock Check Dam	—	X	—	X
			V009A06010015	Check Dam	Rock Check Dam	—	X	—	X
			V009A06010016	Check Dam	Rock Check Dam	—	X	X	—
			V009A06030017	Check Dam	Juniper Bales	—	X	X	—
	Additional	n/a	V009A02040029	Permanent Vegetation	Established Vegetation	X	—	—	X
			V009A03060030	Straw Wattle	Straw Wattle	—	X	X	—
			V009A03060031	Straw Wattle	Straw Wattle	—	X	X	—
CDV-SMA-3	Baseline	9-Feb-11	V01003120005	Berm	Rock Berm	—	X	X	—
			V01003120009	Berm	Rock Berm	—	X	—	X
			V01004060007	Channel/Swale	Rip Rap	X	—	X	—
			V01006010004	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	18-Jul-12	V01001010012	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			V01003010010	Berm	Earthen Berm	—	X	—	X
			V01003010011	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	V01002040013	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-4	Additional	n/a	V01103010008	Berm	Earthen Berm	—	X	—	X
			V01104060007	Channel/Swale	Rip Rap	X	—	X	—
			V01106010009	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-6.01	Baseline	9-Feb-11	V01203010006	Berm	Earthen Berm	—	X	X	—
			V01203020003	Berm	Base Course Berm	—	X	—	X
	Additional	n/a	V01202040013	Permanent Vegetation	Established Vegetation	X	—	—	X
			V01203010016	Berm	Earthen Berm	—	X	—	X
			V01203060015	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CDV-SMA-6.02	Enhanced	18-Jul-12	V012A01010005	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			V012A03010004	Berm	Earthen Berm	—	X	—	X
			V012A03010006	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	V012A03060007	Straw Wattle	Straw Wattle	—	X	—	X
CDV-SMA-7	Baseline	10-Jan-11	V01303010006	Berm	Earthen Berm	—	X	X	—
			V01303010007	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	V01302040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			V01304040009	Channel/Swale	Culvert	X	—	X	—
CDV-SMA-8	Baseline	10-Jan-11	V01406010003	Check Dam	Rock Check Dam	—	X	X	—
			V01406010004	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	V01402040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			V01403010008	Berm	Earthen Berm	—	X	X	—
			V01403010012	Berm	Earthen Berm	—	X	X	—
			V01406010010	Check Dam	Rock Check Dam	—	X	X	—
			V01406010011	Check Dam	Rock Check Dam	—	X	X	—
			V01406010013	Check Dam	Rock Check Dam	—	X	X	—
			V01406010014	Check Dam	Rock Check Dam	—	X	X	—
			V01406010015	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8.5	Baseline	10-Jan-11	V01503010004	Berm	Earthen Berm	—	X	—	X
			V01503010005	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	V01502040006	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-9.05	Additional	n/a	V01602040005	Permanent Vegetation	Established Vegetation	X	—	—	X
	Baseline	10-Jan-11	V01603010002	Berm	Earthen Berm	—	X	—	X
			V01603010003	Berm	Earthen Berm	—	X	—	X
			V01603010004	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
F-SMA-2	Baseline	10-Jan-11	F00104010001	Channel/Swale	Earthen Channel/Swale	X	—	X	—
	Enhanced	27-Jun-14	F00103010011	Berm	Earthen Berm	—	X	—	X
			F00103010012	Berm	Earthen Berm	—	X	—	X
			F00103010013	Berm	Earthen Berm	—	X	—	X
			F00103010014	Berm	Earthen Berm	—	X	—	X
			F00103010015	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	F00102040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			F00103010010	Berm	Earthen Berm	—	X	—	X
			F00103010017	Berm	Earthen Berm	—	X	—	X
			F00103120019	Berm	Rock Berm	—	X	X	—
			F00103120020	Berm	Rock Berm	—	X	X	—
PT-SMA-0.5	Enhanced	27-Nov-12	I00103010007	Berm	Earthen Berm	—	X	—	X
			I00103010008	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	I00102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			I00103060010	Straw Wattle	Straw Wattle	—	X	—	X
			I00103060011	Straw Wattle	Straw Wattle	—	X	—	X
			I00104030012	Channel/Swale	Rock Channel/Swale	X	—	X	—
PT-SMA-1	Baseline	27-Apr-11	I00201010022	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			I00203010018	Berm	Earthen Berm	—	X	—	X
			I00203010019	Berm	Earthen Berm	—	X	—	X
			I00203010020	Berm	Earthen Berm	—	X	—	X
			I00203010021	Berm	Earthen Berm	—	X	—	X
			I00203120012	Berm	Rock Berm	—	X	X	—
			I00203120013	Berm	Rock Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PT-SMA-1	Enhanced	3-Aug-12	I00203010023	Berm	Earthen Berm	—	X	—	X
			I00203010024	Berm	Earthen Berm	—	X	—	X
			I00203010025	Berm	Earthen Berm	—	X	—	X
			I00203010026	Berm	Earthen Berm	—	X	—	X
			I00203010027	Berm	Earthen Berm	—	X	—	X
			I00203010028	Berm	Earthen Berm	—	X	—	X
			I00203010029	Berm	Earthen Berm	—	X	—	X
			I00203010030	Berm	Earthen Berm	—	X	—	X
			I00203060033	Straw Wattle	Straw Wattle	—	X	—	X
			I00206010031	Check Dam	Rock Check Dam	—	X	—	X
			I00206010032	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	I00202040034	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-1.7	Enhanced	27-Jun-14	I00303010018	Berm	Earthen Berm	—	X	—	X
			I00305040019	Sediment Trap and Basin	Gravel Infiltration Strip	—	X	—	X
			I00306010020	Check Dam	Rock Check Dam	—	X	—	X
			I00306010021	Check Dam	Rock Check Dam	—	X	—	X
			I00306010022	Check Dam	Rock Check Dam	—	X	—	X
			I00306010023	Check Dam	Rock Check Dam	—	X	—	X
			I00306010024	Check Dam	Rock Check Dam	—	X	—	X
			I00306010025	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	I00302040017	Permanent Vegetation	Established Vegetation	X	—	—	X
			I00306010026	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Baseline	27-Apr-11	I00403010009	Berm	Earthen Berm	—	X	—	X
			I00403120010	Berm	Rock Berm	—	X	X	—
	Additional	n/a	I00402040011	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-2.01	Enhanced	3-Aug-12	I004A03010004	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	I004A02040005	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
PT-SMA-3	Baseline	22-Nov-10	I00504040005	Channel/Swale	Culvert	X	—	X	—
			I00504060004	Channel/Swale	Rip Rap	X	—	X	—
			I00506010006	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	I00502040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			I00503020008	Berm	Base Course Berm	—	X	X	—
			I00503060013	Straw Wattle	Straw Wattle	—	X	X	—
			I00503060017	Straw Wattle	Straw Wattle	—	X	X	—
			I00503060018	Straw Wattle	Straw Wattle	—	X	X	—
			I00503120015	Berm	Rock Berm	—	X	X	—
			I00504030016	Channel/Swale	Rock Channel/Swale	X	—	X	—
			I00504060007	Channel/Swale	Rip Rap	X	—	X	—
			I00506010019	Check Dam	Rock Check Dam	—	X	—	X
			I00506010020	Check Dam	Rock Check Dam	—	X	—	X
			I00506010021	Check Dam	Rock Check Dam	—	X	X	—
			I00506010022	Check Dam	Rock Check Dam	—	X	X	—
			I00506010023	Check Dam	Rock Check Dam	—	X	X	—
			I00506010024	Check Dam	Rock Check Dam	—	X	X	—
			I00506010025	Check Dam	Rock Check Dam	—	X	X	—
			I00506010026	Check Dam	Rock Check Dam	—	X	X	—
			I00506010027	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-4.2	Baseline	22-Nov-10	I00704040005	Channel/Swale	Culvert	X	—	X	—
			I00704060002	Channel/Swale	Rip Rap	X	—	—	X
	Additional	n/a	I00702040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			I00703120007	Berm	Rock Berm	—	X	—	X
			I00703120009	Berm	Rock Berm	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-1	Baseline	22-Nov-10	W00104060011	Channel/Swale	Rip Rap	X	—	X	—
			W00106010008	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	2-May-13	W00103010014	Berm	Earthen Berm	—	X	X	—
			W00103010015	Berm	Earthen Berm	—	X	X	—
			W00104060017	Channel/Swale	Rip Rap	X	—	—	X
			W00105030016	Sediment Trap and Basin	Sand Filter	—	X	—	X
			W00106010012	Check Dam	Rock Check Dam	—	X	X	—
			W00106010013	Check Dam	Rock Check Dam	—	X	X	—
			W00108020018	Cap	Rock Cap	X	—	—	—
	Additional	n/a	W00102040019	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-1.5	Baseline	10-Jan-11	W00203060005	Straw Wattle	Straw Wattle	—	X	X	—
			W00204060007	Channel/Swale	Rip Rap	X	—	—	X
			W00204070002	Channel/Swale	Vegetated Swale	X	—	—	X
			W00204070003	Channel/Swale	Vegetated Swale	X	—	—	X
			W00206010008	Check Dam	Rock Check Dam	—	X	X	—
			W00206010009	Check Dam	Rock Check Dam	—	X	X	—
			W00206010010	Check Dam	Rock Check Dam	—	X	—	X
			W00206010011	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	25-Sep-12	W00203010015	Berm	Earthen Berm	—	X	—	X
			W00205020013	Sediment Trap and Basin	Sediment Basin	—	X	—	X
			W00205020014	Sediment Trap and Basin	Sediment Basin	—	X	—	X
			W00206010016	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W00202040017	Permanent Vegetation	Established Vegetation	X	—	—	X
			W00203060018	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-2.05	Enhanced	25-Sep-12	W00303010007	Berm	Earthen Berm	—	X	—	X
			W00303010008	Berm	Earthen Berm	—	X	—	X
			W00306010009	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W00302040010	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-3.5	Baseline	10-Jan-11	W00403060004	Straw Wattle	Straw Wattle	—	X	X	—
			W00403060005	Straw Wattle	Straw Wattle	—	X	X	—
			W00403060006	Straw Wattle	Straw Wattle	—	X	X	—
			W00404060003	Channel/Swale	Rip Rap	X	—	—	X
			W00406010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			W00403060009	Straw Wattle	Straw Wattle	—	X	X	—
W-SMA-4.1	Baseline	10-Jan-11	W00503060002	Straw Wattle	Straw Wattle	—	X	—	X
			W00503060005	Straw Wattle	Straw Wattle	—	X	X	—
	Additional	n/a	W00502040006	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-5	Baseline	10-Jan-11	W00604040011	Channel/Swale	Culvert	X	—	X	—
			W00604060006	Channel/Swale	Rip Rap	X	—	X	—
			W00606010003	Check Dam	Rock Check Dam	—	X	—	X
			W00606010012	Check Dam	Rock Check Dam	—	X	—	X
			W00606010013	Check Dam	Rock Check Dam	—	X	—	X
			W00606010014	Check Dam	Rock Check Dam	—	X	—	X
			W00606010015	Check Dam	Rock Check Dam	—	X	—	X
			W00606010017	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W00602040029	Permanent Vegetation	Established Vegetation	X	—	—	X
			W00603060030	Straw Wattle	Straw Wattle	—	X	X	—
			W00604050033	Channel/Swale	Water Bar	X	—	X	—
			W00606010021	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-5	Additional	n/a	W00606010022	Check Dam	Rock Check Dam	—	X	—	X
			W00606010023	Check Dam	Rock Check Dam	—	X	—	X
			W00606010024	Check Dam	Rock Check Dam	—	X	—	X
			W00606010025	Check Dam	Rock Check Dam	—	X	X	—
			W00606010026	Check Dam	Rock Check Dam	—	X	X	—
			W00606010027	Check Dam	Rock Check Dam	—	X	X	—
			W00606010028	Check Dam	Rock Check Dam	—	X	—	X
			W00606010031	Check Dam	Rock Check Dam	—	X	X	—
			W00606010032	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-6	Additional	n/a	W00701010007	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			W00702040004	Permanent Vegetation	Established Vegetation	X	—	—	X
			W00703060005	Straw Wattle	Straw Wattle	—	X	—	X
			W00703060006	Straw Wattle	Straw Wattle	—	X	—	X
W-SMA-7	Baseline	10-Jan-11	W00803060010	Straw Wattle	Straw Wattle	—	X	X	—
			W00806010001	Check Dam	Rock Check Dam	—	X	—	X
			W00806010003	Check Dam	Rock Check Dam	—	X	—	X
			W00806010004	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W00801010022	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			W00802040014	Permanent Vegetation	Established Vegetation	X	—	—	X
			W00803060017	Straw Wattle	Straw Wattle	—	X	X	—
			W00803060018	Straw Wattle	Straw Wattle	—	X	X	—
			W00803060019	Straw Wattle	Straw Wattle	—	X	—	X
			W00803060024	Straw Wattle	Straw Wattle	—	X	—	X
			W00803060025	Straw Wattle	Straw Wattle	—	X	—	X
			W00806010015	Check Dam	Rock Check Dam	—	X	—	X
			W00806010016	Check Dam	Rock Check Dam	—	X	—	X
			W00808040023	Cap	Metal Cap	—	—	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-7.8	Baseline	10-Jan-11	W00903010004	Berm	Earthen Berm	—	X	X	—
			W00904060003	Channel/Swale	Rip Rap	X	—	X	—
			W00906010001	Check Dam	Rock Check Dam	—	X	X	—
			W00906010005	Check Dam	Rock Check Dam	—	X	X	—
			W00906010006	Check Dam	Rock Check Dam	—	X	X	—
			W00906010007	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W00902040009	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-7.9	Baseline	10-Jan-11	W01006010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W01002040004	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-8	Baseline	10-Jan-11	W01106010006	Check Dam	Rock Check Dam	—	X	X	—
	Enhanced	TBD	W01103010012	Berm	Earthen Berm	—	X	X	—
			W01103010013	Berm	Earthen Berm	—	X	X	—
			W01103010014	Berm	Earthen Berm	—	X	X	—
			W01103010015	Berm	Earthen Berm	—	X	X	—
			W01103040010	Berm	Asphalt Berm	X	—	X	—
			W01106010011	Check Dam	Rock Check Dam	—	X	X	—
			W01106010016	Check Dam	Rock Check Dam	—	x	—	x
	Additional	n/a	W01102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-8.7	Baseline	10-Jan-11	W01203060010	Straw Wattle	Straw Wattle	—	X	—	X
			W01206010006	Check Dam	Rock Check Dam	—	X	—	X
			W01206010007	Check Dam	Rock Check Dam	—	X	—	X
			W01206010008	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	W01202040011	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-8.71	Enhanced	27-Nov-12	W012A03010004	Berm	Earthen Berm	—	X	—	X
			W012A03010005	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	W012A02040006	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-9.05	Baseline	10-Jan-11	W01303010003	Berm	Earthen Berm	—	X	X	—
			W01304010004	Channel/Swale	Earthen Channel/Swale	X	—	X	—
			W01306010001	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W01302040013	Permanent Vegetation	Established Vegetation	X	—	—	X
			W01303010010	Berm	Earthen Berm	—	X	—	X
			W01303010011	Berm	Earthen Berm	—	X	—	X
			W01306010012	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-9.5	Baseline	22-Nov-10	W01403060002	Straw Wattle	Straw Wattle	—	X	—	X
			W01403060003	Straw Wattle	Straw Wattle	—	X	—	X
	Additional	n/a	W01402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			W01403010006	Berm	Earthen Berm	—	X	X	—
			W01403010007	Berm	Earthen Berm	—	X	X	—
W-SMA-9.7	Baseline	10-Jan-11	W01506030004	Check Dam	Juniper Bales	—	X	X	—
			W01506030005	Check Dam	Juniper Bales	—	X	X	—
	Additional	n/a	W01502040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			W01503060009	Straw Wattle	Straw Wattle	—	X	—	X
			W01503060010	Straw Wattle	Straw Wattle	—	X	—	X
			W01503060011	Straw Wattle	Straw Wattle	—	X	X	—
			W01503060012	Straw Wattle	Straw Wattle	—	X	X	—
			W01503060016	Straw Wattle	Straw Wattle	—	X	X	—
			W01503100017	Berm	Gravel Bags	—	X	X	—
W-SMA-9.8	Baseline	10-Jan-11	W01603020007	Berm	Base Course Berm	—	X	X	—
			W01603060010	Straw Wattle	Straw Wattle	—	X	—	X
	Additional	n/a	W01602040012	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-9.9	Baseline	10-Jan-11	W01703090001	Berm	Curbing	—	X	X	—
	Enhanced	27-Jun-12	W01703010017	Berm	Earthen Berm	—	X	X	—
			W01703010018	Berm	Earthen Berm	—	X	—	X
			W01703010019	Berm	Earthen Berm	—	X	—	X
			W01703010020	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	W01702040022	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-10	Baseline	10-Jan-11	W01803040010	Berm	Asphalt Berm	—	X	X	—
			W01803040016	Berm	Asphalt Berm	—	X	X	—
			W01803090002	Berm	Curbing	—	X	X	—
			W01804060004	Channel/Swale	Rip Rap	X	—	—	—
			W01804060013	Channel/Swale	Rip Rap	X	—	X	—
	Enhanced	23-Aug-12	W01803010022	Berm	Earthen Berm	—	X	—	X
			W01803010023	Berm	Earthen Berm	—	X	—	X
			W01803010024	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	W01802040025	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-11.7	Enhanced	23-Oct-12	W01903010041	Berm	Earthen Berm	—	X	—	X
			W01903010042	Berm	Earthen Berm	—	X	—	X
			W01903010043	Berm	Earthen Berm	—	X	—	X
			W01903010044	Berm	Earthen Berm	—	X	—	X
			W01903010045	Berm	Earthen Berm	—	X	—	X
			W01903010046	Berm	Earthen Berm	—	X	—	X
			W01903010047	Berm	Earthen Berm	—	X	—	X
			W01903010048	Berm	Earthen Berm	—	X	—	X
			W01903010049	Berm	Earthen Berm	—	X	—	X
			W01903010050	Berm	Earthen Berm	—	X	—	X
			W01904010051	Channel/Swale	Earthen Channel/Swale	X	—	X	—
	Additional	n/a	W01902040052	Permanent Vegetation	Established Vegetation	X	—	—	X
			W01903010040	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
W-SMA-12.05	Baseline	10-Jan-11	W02004060002	Channel/Swale	Rip Rap	X	—	X	—
			W02006010001	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	W02002040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			W02003010015	Berm	Earthen Berm	—	X	—	X
			W02003010016	Berm	Earthen Berm	—	X	—	X
			W02003010017	Berm	Earthen Berm	—	X	—	X
W-SMA-14.1	Baseline	27-Apr-11	W02104060014	Channel/Swale	Rip Rap	X	—	X	—
			W02106010008	Check Dam	Rock Check Dam	—	X	X	—
			W02106010009	Check Dam	Rock Check Dam	—	X	X	—
			W02106010010	Check Dam	Rock Check Dam	—	X	X	—
			W02106010011	Check Dam	Rock Check Dam	—	X	X	—
			W02106010012	Check Dam	Rock Check Dam	—	X	—	X
	Enhanced	25-Sep-12	W02103010016	Berm	Earthen Berm	—	X	—	X
			W02103010017	Berm	Earthen Berm	—	X	—	X
			W02103010018	Berm	Earthen Berm	—	X	—	X
			W02103010019	Berm	Earthen Berm	—	X	—	X
			W02103010020	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	W02102040021	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-15.1	Enhanced	23-Oct-12	W02203010004	Berm	Earthen Berm	—	X	X	—
			W02203010005	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	W02202040006	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-1.1	Baseline	22-Nov-10	A00103010005	Berm	Earthen Berm	—	X	X	—
	Additional	n/a	A00102040006	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
A-SMA-2	Enhanced	TBD	A00203010041	Berm	Earthen Berm	—	X	—	X
			A00203010042	Berm	Earthen Berm	—	X	X	—
			A00203010043	Berm	Earthen Berm	—	X	—	X
			A00203020051	Berm	Base Course Berm	—	X	—	X
			A00203150047	Redi-Berm	Redi-Rock Berm	—	X	X	—
			A00204040044	Channel/Swale	Culvert	X	—	X	—
			A00204040046	Channel/Swale	Culvert	X	—	X	—
			A00204040049	Channel/Swale	Culvert	X	—	X	—
			A00204050053	Channel/Swale	Water Bar	X	—	—	X
			A00204080045	Channel/Swale	TRM-Lined Swale	X	—	X	—
			A00204080048	Channel/Swale	TRM-Lined Swale	X	—	X	—
			A00204080052	Channel/Swale	TRM-Lined Swale	X	—	—	X
			A00205020050	Sediment Trap and Basin	Sediment Basin	—	X	X	—
	Baseline	9-Feb-11	A00204060004	Channel/Swale	Rip Rap	X	—	X	—
	Additional	n/a	A00202040017	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-2.5	Baseline	9-Feb-11	A00303010003	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	A00302040007	Permanent Vegetation	Established Vegetation	X	—	—	X
			A00303060008	Straw Wattle	Straw Wattle	—	X	X	—
			A00303060009	Straw Wattle	Straw Wattle	—	X	X	—
A-SMA-2.7	Enhanced	23-Aug-12	A00403010013	Berm	Earthen Berm	—	X	—	X
			A00403010014	Berm	Earthen Berm	—	X	—	X
			A00403010015	Berm	Earthen Berm	—	X	—	X
			A00403010016	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	A00402040017	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-2.8	Baseline	9-Feb-11	A00503010002	Berm	Earthen Berm	—	X	—	X
	Additional	n/a	A00501010004	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
			A00508020005	Cap	Rock Cap	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
A-SMA-3	Baseline	22-Nov-10	A00604060002	Channel/Swale	Rip Rap	X	—	X	—
			A00606010009	Check Dam	Rock Check Dam	—	X	—	X
			A00606010010	Check Dam	Rock Check Dam	—	X	—	—
			A00606010011	Check Dam	Rock Check Dam	—	X	—	—
	Additional	n/a	A00602040018	Permanent Vegetation	Established Vegetation	X	—	—	X
			A00603060020	Straw Wattle	Straw Wattle	—	X	X	—
			A00603060021	Straw Wattle	Straw Wattle	—	X	X	—
			A00603120017	Berm	Rock Berm	—	X	X	—
			A00606010014	Check Dam	Rock Check Dam	—	X	—	X
			A00606010019	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3.5	Baseline	9-Feb-11	A00703060002	Straw Wattle	Straw Wattle	—	X	—	X
	Additional	n/a	A00702040003	Permanent Vegetation	Established Vegetation	X	—	—	X
			A00703060004	Straw Wattle	Straw Wattle	—	X	X	—
A-SMA-4	Baseline	9-Feb-11	A00803010007	Berm	Earthen Berm	—	—	X	—
			A00806010003	Check Dam	Rock Check Dam	—	X	X	—
			A00806010004	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	A00802040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			A00803010009	Berm	Earthen Berm	—	X	—	X
A-SMA-6	Baseline	9-Feb-11	A00903010021	Berm	Earthen Berm	—	X	—	X
			A00904020007	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
			A00904060005	Channel/Swale	Rip Rap	X	—	—	X
			A00906010008	Check Dam	Rock Check Dam	—	X	—	X
			A00906010009	Check Dam	Rock Check Dam	—	X	—	X
			A00906010010	Check Dam	Rock Check Dam	—	X	—	X
			A00906010011	Check Dam	Rock Check Dam	—	X	—	X
			A00906010012	Check Dam	Rock Check Dam	—	X	—	X
			A00906010013	Check Dam	Rock Check Dam	—	X	X	—
			A00906010014	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
A-SMA-6	Baseline	9-Feb-11	A00906010015	Check Dam	Rock Check Dam	—	X	—	X
			A00906010016	Check Dam	Rock Check Dam	—	X	—	X
			A00906010017	Check Dam	Rock Check Dam	—	X	—	X
			A00906010018	Check Dam	Rock Check Dam	—	X	—	X
			A00906010019	Check Dam	Rock Check Dam	—	X	—	X
			A00906010020	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	A00902040023	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-0.5	Baseline	9-Feb-11	Q00103020002	Berm	Base Course Berm	—	X	—	X
			Q00104050006	Channel/Swale	Water Bar	—	X	X	—
			Q00104050007	Channel/Swale	Water Bar	—	X	X	—
			Q00106010003	Check Dam	Rock Check Dam	—	X	X	—
			Q00106010004	Check Dam	Rock Check Dam	—	X	X	—
			Q00106010005	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	Q00102040008	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-1.01	Additional	n/a	Q00202040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00203060009	Straw Wattle	Straw Wattle	—	X	X	—
			Q00203060010	Straw Wattle	Straw Wattle	—	X	X	—
			Q00203060011	Straw Wattle	Straw Wattle	—	X	X	—
			Q00203060012	Straw Wattle	Straw Wattle	—	X	—	X
			Q00203060013	Straw Wattle	Straw Wattle	—	X	—	X
CHQ-SMA-1.02	Baseline	9-Feb-11	Q002A06010002	Check Dam	Rock Check Dam	—	X	—	X
			Q002A06010003	Check Dam	Rock Check Dam	—	X	—	X
			Q002A06010007	Check Dam	Rock Check Dam	—	X	X	—
			Q002A06010009	Check Dam	Rock Check Dam	—	X	—	X
			Q002A08030004	Cap	Concrete/Asphalt Cap	X	—	—	—
	Enhanced	23-Oct-12	Q002A03010010	Berm	Earthen Berm	—	X	—	X
			Q002A03010011	Berm	Earthen Berm	—	X	—	X
			Q002A03010012	Berm	Earthen Berm	—	X	—	X
			Q002A03010013	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CHQ-SMA-1.03	Baseline	9-Feb-11	Q002B04060006	Channel/Swale	Rip Rap	X	—	X	—
			Q002B04060007	Channel/Swale	Rip Rap	X	—	—	X
			Q002B04060010	Channel/Swale	Rip Rap	X	—	—	X
			Q002B06010004	Check Dam	Rock Check Dam	—	X	—	X
			Q002B06010008	Check Dam	Rock Check Dam	—	X	—	X
			Q002B06010011	Check Dam	Rock Check Dam	—	X	—	X
			Q002B08030003	Cap	Concrete/Asphalt Cap	X	—	—	X
	Enhanced	13-May-14	Q002B03150013	Redi-Berm	Redi-Rock Berm	—	x	x	—
	Additional	n/a	Q002B02040012	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-2	Baseline	9-Feb-11	Q00303020001	Berm	Base Course Berm	—	X	X	—
			Q00303020006	Berm	Base Course Berm	—	X	X	—
			Q00303040015	Berm	Asphalt Berm	—	X	X	—
			Q00304060002	Channel/Swale	Rip Rap	X	—	X	—
			Q00304060007	Channel/Swale	Rip Rap	X	—	X	—
			Q00306010003	Check Dam	Rock Check Dam	—	X	—	X
			Q00306010008	Check Dam	Rock Check Dam	—	X	—	X
			Q00306010009	Check Dam	Rock Check Dam	—	X	X	—
			Q00306010010	Check Dam	Rock Check Dam	—	X	X	—
			Q00306010011	Check Dam	Rock Check Dam	—	X	X	—
			Q00306010012	Check Dam	Rock Check Dam	—	X	X	—
			Q00306010013	Check Dam	Rock Check Dam	—	X	X	—
			Q00306010014	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	Q00302040023	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00303060024	Straw Wattle	Straw Wattle	—	X	X	—
			Q00303060025	Straw Wattle	Straw Wattle	—	X	X	—
			Q00303060026	Straw Wattle	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CHQ-SMA-3.05	Baseline	9-Feb-11	Q00403060002	Straw Wattle	Straw Wattle	—	X	X	—
			Q00403060003	Straw Wattle	Straw Wattle	—	X	X	—
	Additional	n/a	Q00402040009	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00403010008	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-4	Baseline	9-Feb-11	Q00503060006	Straw Wattle	Straw Wattle	—	X	X	—
			Q00506010003	Check Dam	Rock Check Dam	—	X	—	X
			Q00506010004	Check Dam	Rock Check Dam	—	X	—	X
			Q00506010005	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	Q00502040019	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00503010020	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-4.1	Baseline	9-Feb-11	Q00606010002	Check Dam	Rock Check Dam	—	X	—	X
			Q00606010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	Q00602040008	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00603060009	Straw Wattle	Straw Wattle	—	X	X	—
			Q00603060010	Straw Wattle	Straw Wattle	—	X	X	—
CHQ-SMA-4.5	Baseline	9-Feb-11	Q00706010002	Check Dam	Rock Check Dam	—	X	—	X
			Q00706010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	Q00702040010	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00703010009	Berm	Earthen Berm	—	X	—	X
			Q00703060014	Straw Wattle	Straw Wattle	—	X	—	X
			Q00703140017	Berm	Coir Log	—	X	X	—
			Q00703140018	Berm	Coir Log	—	X	X	—
			Q00703140019	Berm	Coir Log	—	X	X	—
CHQ-SMA-5.05	Baseline	22-Nov-10	Q00803020006	Berm	Base Course Berm	—	X	—	X
			Q00804060002	Channel/Swale	Rip Rap	X	—	—	X
			Q00804060005	Channel/Swale	Rip Rap	X	—	X	—
			Q00804060007	Channel/Swale	Rip Rap	X	—	—	X
			Q00806010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	Q00802040008	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CHQ-SMA-6	Baseline	9-Feb-11	Q00903010017	Berm	Earthen Berm	—	X	—	X
			Q00906010001	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010002	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010007	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010008	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010011	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010018	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010021	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010022	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010023	Check Dam	Rock Check Dam	—	X	—	X
			Q00906010024	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010025	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010026	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010027	Check Dam	Rock Check Dam	—	X	X	—
	Additional	n/a	Q00902040036	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q00903060034	Straw Wattle	Straw Wattle	—	X	—	X
			Q00903060035	Straw Wattle	Straw Wattle	—	X	—	X
			Q00903060040	Straw Wattle	Straw Wattle	—	X	—	X
			Q00903120030	Berm	Rock Berm	—	X	X	—
			Q00903120031	Berm	Rock Berm	—	X	X	—
			Q00903120032	Berm	Rock Berm	—	X	X	—
			Q00906010037	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010038	Check Dam	Rock Check Dam	—	X	X	—
			Q00906010039	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	Best Management Practice ID	Type of Control	Description	EC[a]	SC[b]	RON[c]	ROFF[d]
CHQ-SMA-7.1	Baseline	9-Feb-11	Q01006010003	Check Dam	Rock Check Dam	—	X	—	X
	Additional	n/a	Q01002040012	Permanent Vegetation	Established Vegetation	X	—	—	X
			Q01003010010	Berm	Earthen Berm	—	X	X	—
			Q01003010011	Berm	Earthen Berm	—	X	X	—

[a] EC = Erosion control.

[b] SC = Sediment control.

[c] RON = Run-on control.

[d] ROFF = Run-off control.

[e] — = Control does not perform the identified function.

[f] X = Control performs the identified function.

[g] n/a = Not applicable.

[h] TBD = To be determined.

Attachment 1

Supporting Documentation for Permitted Sites with Certificates of Completion under the New Mexico Environment Department Compliance Order on Consent

Date Issued	Reference	HWB[a]-LANL[b] Reference No.	Corrective Action Complete Status	SWMU[c] or AOC[d] Site No.	Site Priority	Associated SMA[e]
9/13/2006	NMED[f] 2006, 095421	HWB-LANL-04-002	Complete with Controls	53-002(a)	Moderate	LA-SMA-10.11
8/13/2007	NMED 2007, 098441	HWB-LANL-07-016	Complete with Controls	73-002	Moderate	P-SMA-2
8/13/2007	NMED 2007, 098441	HWB-LANL-07-016	Complete with Controls	73-006	Moderate	P-SMA-2
1/23/2008	NMED 2008, 100116	HWB-LANL-02-019	Complete without Controls	16-030(c)	Moderate	CDV-SMA-1.4
4/6/2010	NMED 2010, 110430	HWB-LANL-10-022	Complete without Controls	39-001(b)	Moderate	A-SMA-2.8
4/6/2010	NMED 2010, 110430	HWB-LANL-10-022	Complete without Controls	39-002(c)	Moderate	A-SMA-2.7
9/7/2010	NMED 2010, 110665	HWB-LANL-10-055	Complete with Controls	48-007(a)	Moderate	M-SMA-4
9/7/2010	NMED 2010, 110665	HWB-LANL-10-055	Complete with Controls	48-007(d)	Moderate	M-SMA-4
9/7/2010	NMED 2010, 110665	HWB-LANL-10-055	Complete with Controls	48-010	Moderate	M-SMA-4
9/10/2010	NMED 2010, 110667	HWB-LANL-10-056	Complete with Controls	01-001(b)	Moderate	LA-SMA-2.3
9/10/2010	NMED 2010, 110667	HWB-LANL-10-056	Complete with Controls	01-001(c)	Moderate	LA-SMA-4.2
9/10/2010	NMED 2010, 110667	HWB-LANL-10-056	Complete with Controls	01-001(e)	High	LA-SMA-3.1
9/10/2010	NMED 2010, 110667	HWB-LANL-10-056	Complete with Controls	01-003(e)	High	LA-SMA-5.02
9/10/2010	NMED 2010, 110667	HWB-LANL-10-056	Complete with Controls	01-006(d)	Moderate	LA-SMA-4.2
9/10/2010	NMED 2010, 110667	HWB-LANL-10-056	Complete with Controls	43-001(b2)	Moderate	LA-SMA-1.1
1/14/2011	NMED 2011, 111673	HWB-LANL-10-096	Complete without Controls	00-018(b)	Moderate	P-SMA-0.3
2/18/2011	NMED 2011, 111821	HWB-LANL-10-099	Complete with Controls	03-056(c)	High	S-SMA-2
6/3/2011	NMED 2011, 203706	HWB-LANL-11-030	Complete with Controls	21-013(b)	Moderate	LA-SMA-5.92
6/3/2011	NMED 2011, 203706	HWB-LANL-11-030	Complete with Controls	21-013(g)	Moderate	LA-SMA-5.92
6/3/2011	NMED 2011, 203706	HWB-LANL-11-030	Complete with Controls	21-018(a)	Moderate	LA-SMA-5.92
6/3/2011	NMED 2011, 203706	HWB-LANL-11-030	Complete with Controls	21-023(c)	Moderate	LA-SMA-5.91
5/16/2012	NMED 2012, 520388	HWB-LANL-12-008	Complete without Controls	00-011(c)	Moderate	R-SMA-2.05
5/16/2012	NMED 2012, 520388	HWB-LANL-12-008	Complete without Controls	C-00-020	Moderate	R-SMA-0.5
7/13/2012	NMED 2012, 520940	HWB-LANL-11-049	Complete without Controls	46-004(m)	Moderate	CDB-SMA-0.55
7/13/2012	NMED 2012, 520940	HWB-LANL-11-049	Complete without Controls	C-46-001	Moderate	CDB-SMA-1
12/20/2012	NMED 2012, 521776	HWB-LANL-12-069	Complete with Controls	32-003	Moderate	LA-SMA-5.362
12/28/2012	NMED 2012, 521746	HWB-LANL-12-072	Complete with Controls	32-002(b1)	Moderate	LA-SMA-5.361
12/28/2012	NMED 2012, 521746	HWB-LANL-12-072	Complete with Controls	32-004	Moderate	LA-SMA-5.33

Date Issued	Reference	HWB[a]-LANL[b] Reference No.	Corrective Action Complete Status	SWMU[c] or AOC[d] Site No.	Site Priority	Associated SMA[e]
2/22/2013	NMED 2013, 522072	HWB-LANL-12-063	Complete without Controls	45-001	Moderate	ACID-SMA-2
2/22/2013	NMED 2013, 522072	HWB-LANL-12-063	Complete without Controls	45-002	Moderate	ACID-SMA-2
2/22/2013	NMED 2013, 522072	HWB-LANL-12-063	Complete without Controls	45-004	Moderate	ACID-SMA-2
5/7/2013	NMED 2013, 522505	HWB-LANL-12-039	Complete with Controls	00-011(a)	Moderate	R-SMA-2.5
5/7/2013	NMED 2013, 522505	HWB-LANL-12-039	Complete with Controls	00-011(d)	Moderate	B-SMA-1
5/7/2013	NMED 2013, 522505	HWB-LANL-12-039	Complete with Controls	00-011(e)	Moderate	R-SMA-2.3
7/31/2013	NMED 2013, 523159	HWB-LANL-12-020	Complete without Controls	53-001(b)	Moderate	S-SMA-3.72
7/31/2013	NMED 2013, 523159	HWB-LANL-12-020	Complete without Controls	53-014	High	S-SMA-4.1
9/27/2013	NMED 2013, 523693	HWB-LANL-11-068	Complete with Controls	35-014(e2)	High	M-SMA-10.3
9/27/2013	NMED 2013, 523693	HWB-LANL-11-068	Complete with Controls	35-016(i)	High	M-SMA-10.3

[a] HWB = Hazardous Waste Bureau.

[b] LANL = Los Alamos National Laboratory.

[c] SWMU = Solid waste management unit.

[d] AOC = Area of concern.

[e] SMA = Site Monitoring Area.

[f] NMED = New Mexico Environment Department.

State of New Mexico
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BILL RICHARDSON
GOVERNOR

RON CURRY
SECRETARY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

September 13, 2006

David Gregory, Federal Project Director
Los Alamos Site Operations
Department of Energy
528 35th Street, Mail Stop A316
Los Alamos, New Mexico 87544

David McInroy, Deputy Project Director
Environmental Services
Los Alamos National Laboratory
P.O. Box 1663
Mail Stop M992
Los Alamos, New Mexico 87545

SUBJECT: CERTIFICATES OF COMPLETION FOR SOLID WASTE MANAGEMENT UNITS 53-002(a) AND 53-002(b), TECHNICAL AREA 53 LOS ALAMOS NATIONAL LABORATORY
EPA ID # NM0890010515
HWB-LANL-04-002

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) is in receipt of the *Request for Certificates of Completion for Solid Waste Management Units 53-002(a) and 53-002(b),* dated August 15, 2006 and referenced by EP2006-0744.

Solid waste management unit (SWMU) 53-002(a) consists of two surface impoundments and SWMU 53-002(b) consists of one surface impoundment. Together, these two SWMUs comprise Consolidated Unit 53-002(a)-99. NMED has determined that the requirements of the March 1, 2005 Consent Order (Order) have been satisfied for these sites. NMED hereby issues a "Corrective Action Complete with Controls" certificate of completion for SWMUs 53-002(a) and 53-002(b) pursuant to Section VII.E.6.b of the Order. The control, as stated in the Permittees' approved TA-53 Investigation/Remediation Report, is that the land use remain industrial.

The Permittees may now initiate a "Class 3 Permit Modification for Corrective Action Complete" pursuant to the terms of the Permit and Section III.W.3.b of the Order. If the Class 3 Permit Modification for Corrective Action Complete is granted, SWMUs 53-002(a) and 53-002(b) will be removed from the list of SWMUs requiring corrective action and placed on the "Corrective Action Complete with Controls" list. In accordance with Section III.W.3b, the controls will then be enforceable under the Permit.

If you have any questions, please contact Kathryn Chamberlain of my staff at (505) 428-2546.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

JPB:kmc

cc: K. Chamberlain, NMED HWB
D. Goering, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
N. Quintana, LANL E/ER, MS M992
A. Phelps, LANL ADEP, MS J591
file: Reading and LANL '06 TA 53: [SWMU 53-002(a) & 53-002(b)]

CT 07-090
ERID-98441

NEW MEXICO
ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

07 SEP 16 AM 8:16

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DIANE DENISH
Lieutenant Governor

RON CURRY
Secretary

CINDY PADILLA
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 13, 2007

David Gregory
Federal Project Director
Los Alamos Site Office
Department of Energy
528 35th Street, Mail Stop A316
Los Alamos, NM 87544

David McInroy
Remediation Services Deputy Project Director
Los Alamos National Laboratory
P.O. Box 1663, MS M992
Los Alamos, NM 87545

RE: APPROVAL OF THE INVESTIGATION REPORT FOR CONSOLIDATED UNIT 73-002-99 AND CORRECTIVE ACTION OF SOLID WASTE MANAGEMENT UNIT 73-002, AT TECHNICAL AREA 73, LOS ALAMOS NATIONAL LABORATORY (LANL),
EPA ID #NM0890010515
HWB-LANL-07-016

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security LLC's (LANS) (collectively, the Permittees) *Investigation Report for Consolidated Unit 73-002-99 and Corrective Action of Solid Waste Management Unit 73-002, at Technical Area 73* (Report), dated July 2007 and referenced by LA-UR-07-4479/EP2006-1079. NMED has reviewed this document and hereby issues this Notice of Approval.

Consolidated Unit (CU) 73-002-99 is comprised of the following Solid Waste Management Units (SWMUs) and Area of Concern (AOC):

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By

- SWMU 73-002 is a former incinerator and surface disposal area,
- AOC 73-003 is a former steam-cleaning facility (former building 00-1123) for garbage trucks,
- SWMU 73-004(a) is a former septic system that received sanitary waste from toilets and showers in the incinerator building,
- SWMU 73-004(b) was a concrete septic tank that discharged wash water from the steam-cleaning plant through a 6-in. vitrified clay pipe (VCP) drainline to an outfall on the slope of Pueblo Canyon and,
- SWMU 73-006 consisted of two drainlines that discharged to Pueblo Canyon from the incinerator.

NMED has determined that the requirements of the March 1, 2005 Order on Consent (Order) have been satisfied for these sites. This letter serves as a "Corrective Action Complete with Controls" certificate of completion for SWMUs 73-002, 73-004(a), 73-004(b), 73-006, and AOC 73-003 pursuant to Section VII.E.6.b of the Order.

Although levels of arsenic in discrete locations exceed applicable residential cleanup levels (e.g., 13.2 mg/kg at location 73-27314 at SWMU 73-002 and 13 mg/kg at location 73-02216 at SWMU 73-004(b)), these locations are virtually inaccessible to human or ecological receptors. However, the potential for transport of contaminants down gradient via storm water exists. The Permittees shall therefore install permanent and appropriate storm water controls, which will prevent the down gradient transport of contaminants via storm water. The Permittees must submit a work plan for installation of the storm water controls by September 30, 2007. The work plan shall include a description of all controls proposed for installation at CU 73-002-99 and a proposed inspection schedule for the proposed controls. If the Permittees choose to remove any soil/tuff containing arsenic concentrations above residential screening levels in the future, NMED will consider withdrawal of the control requirement.

Please contact Kathryn Roberts at (505) 476-6041 should you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
K. Roberts, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
G. Rael, DOE LASO, MS A316
S. Stiger. ENV MS J591
file: Reading and LANL TA-50 '07 (SWMU; 50-009)

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Lieutenant Governor

RON CURRY
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JON GOLDSTEIN
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

January 23, 2008

David Gregory
Federal Project Director
Los Alamos Site Office
Department of Energy
528 35th Street, Mail Stop A316
Los Alamos, NM 87544

David McInroy
Remediation Services Deputy Project Director
Los Alamos National Laboratory
P.O. Box 1663, MS M992
Los Alamos, NM 87545

JAN 25 AM 11:51

RE: APPROVAL OF LOS ALAMOS NATIONAL LABORATORY
PROPOSAL FOR NO FURTHER ACTION
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-02-019

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) has received and reviewed the United States Department of Energy (DOE) and the Los Alamos National Security, LLC (LANS) (collectively, the Permittees) *Los Alamos National Laboratory Proposal for No Further Action*, dated September 2002 and referenced by LA-UR-02-5883/ER2002-0624. The Permittees provided additional information (via an email sent by Linda Nonno to Neelam Dhawan on October 2, 2007) subsequent to conferring with NMED.

NMED has reviewed the document and the additional information, and agrees that no further corrective action is necessary at solid waste management units (SWMUs) 03-011, 03-046, 16-026(f), 16-030(c) and 73-004(c). NMED concurs that the above mentioned SWMUs do not pose unacceptable risk to human health and the environment. NMED has determined that a corrective action complete without controls designation is appropriate for these SWMUs. However, if in the future any additional information becomes available that indicates that the site may pose a risk to human health or the environment, NMED will require the Permittees to conduct additional corrective action at these sites.

NMED is hereby providing this letter as a 'Certificate of Completion,' which satisfies the requirements outlined in the Section VII.E.6.b of the Consent Order. The Permittees may now request a Class 3 Permit Modification for Corrective Action Complete for SWMUs 03-011, 03-046, 16-026(f), 16-030(c) and 73-004(c) pursuant to terms of the Permit and Section III.W.3.b of the Consent Order, to remove these sites from the Module VIII of the Permit.

Please contact Neelam Dhawan of my staff at (505) 476-6042 should you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
K. Roberts, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
G. Rael, DOE LASO, MS A316
S. Stiger ENV MS J591

File: LANL, NFA (SWMUs 03-011, 03-046, 16-026(f), 16-030(c) and 73-004(c)), 2008

BILL RICHARDSON
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RON CURRY
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SARAH COTTRELL
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

'10 APR 7 AM9:3

April 6, 2010

George J. Rael
Environmental Operations Manager
Los Alamos Site Office
Department of Energy
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Michael Graham
Associate Director Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS 991
Los Alamos, NM 87545

RE: APPROVAL
REQUEST FOR CERTIFICATES OF COMPLETION FOR TWO SOLID WASTE MANAGEMENT UNITS AND FIVE AREAS OF CONCERN IN THE NORTH ANCHO CANYON AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-022

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Two Solid Waste Management Units and Five Areas of Concern in North Ancho Canyon Aggregate Area* (Request), dated March 9, 2010 and referenced by EP2010-0117. Results of the associated site investigation were presented in the *Investigation Report for North Ancho Canyon Aggregate Area, Revision 1*, dated January 2010, and referenced by LA-UR-10-0125 and EP2010-0005.

SWMU 39-001(b) is an inactive disposal area consisting of three trenches that accepted debris from firing site SWMU 39-008, empty chemical containers, and office waste. Pit 1 was constructed in the late 1960s. Pit 2 was constructed parallel and directly next to Pit 1 and was

used from 1976 to 1981. Pit 3 was constructed directly south of the other two pits and was used from 1981 to 1989. In 2009, the Pits were located, excavated, and the contents were removed. Based on review of associated soil sample analytical data, the nature and extent of contamination at the site has been defined. The evaluation of potential human health and ecological risks from the site indicates SWMU 39-001(b) does not pose an unacceptable risk to human health or to ecological receptors.

AOC 39-002(c) is a former outdoor satellite accumulation are (SAA) that was located on asphalt-paved areas next to the southwest corner of the gas-gun support structure (39-56). This SAA stored waste paper, solvent-contaminated rags (ethanol, acetone, and trichloroethene), and vacuum grease. In 2009, the SAA was investigated and characterized. Based on review of associated soil sample analytical data, the nature and extent of contamination at the site has been defined. The evaluation of potential human health and ecological risks from the site indicates AOC 39-002(c) does not pose an unacceptable risk to human health or to ecological receptors.

AOC 39-002(d) is a former SAA that was removed from service, administratively closed, and is no longer used for storage. The site only operated as an SAA and met all regulatory requirements (20.4.1.300 NMAC) for SAAs.

AOC 39-002(e) is a former satellite accumulation area (SAA) that was removed from service, administratively closed, and is no longer used for storage. The site only operated as an SAA and met all regulatory requirements (20.4.1.300 NMAC) for SAAs.

AOC 39-002(f) is a former SAA located on the asphalt driveway outside the northeast corner of a support structure (39-88) for an active firing site (SWMU 39-004(e)). Before this area became a SAA, it was used to store small quantities of waste solvents (ethanol, acetone, and trichloroethene), copper sulfate, transformer oil, vacuum grease, and photographic wastes. Based on review of associated soil sample analytical data from 2009, the nature and extent of contamination at the site has been defined. The evaluation of potential human health and ecological risks from the site indicates AOC 39-002(f) does not pose an unacceptable risk to human health or to ecological receptors.

SWMU 39-005 is a former seepage pit used to dispose of HE-contaminated decant from operations at an explosives operations building (39-04). The seepage pit measured approximately 5-ft x 5-ft x 7-ft and was not lined or otherwise contained. The gravel and HE-contaminated soil that comprised the pit were removed in 1986. Based on review of associated soil sample analytical data from 2009, the nature and extent of contamination at the site has been defined. The evaluation of potential human health and ecological risks from the site indicates SWMU 39-005 does not pose an unacceptable risk to human health or to ecological receptors.

AOC 39-007(d) is a storage area (structure 39-142) consisting of a bermed asphalt pad covered with a metal roof. A valved drainpipe discharged stormwater from the bermed area across the access road toward the Ancho Road drainage. The area was initially used to store metal and at times, drums of silicon transformer oil. Later it was used as a SAA where chemicals, including dielectric fluid, ethylene glycol, solvents, and kerosene were stored. The SAA was removed in

the 1990s, but the storage area continued to be used to store nonhazardous materials such as cable and wire. Based on review of associated soil sample analytical data from 2009, the nature and extent of contamination at the site has been defined. The evaluation of potential human health and ecological risks from the site indicates AOC 39-007(d) does not pose an unacceptable risk to human health or to ecological receptors.

NMED has determined that the requirements of the Consent Order have been satisfied and the aforementioned sites qualify for "Corrective Action Complete Without Controls" status. This letter serves as the certificate of completion for SWMUs 39-001(b) and 39-005, and AOCs 39-002(c), 39-002(d), 39-002(e), 39-002(f), and 39-007(d) pursuant to Section VII.E.6.b of the Consent Order.

If, in the future, any additional information becomes available that indicates that one or more of these sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at these sites.

Please contact Kathryn Roberts at (505) 476-6041 should you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
K. Roberts, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
S. Schulman, DOE-LASO, MS A316
L. Nonno, EP-WES-EDA, MS M992
J. McCann, EP-CAP, MS M992
D. McInroy, EP-CAP, MS M992
file: Reading and LANL TA-39 '10 (SWMUs: 39-001(b) and 39-005, AOCs: 39-002(c), 39-002(d), 39-002(e), 39-002(f), and 39-007(d))

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SARAH COTTRELL
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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 7, 2010

George J. Rael, Federal Projects Director
Environmental Projects Office
U.S. Department. of Energy / National
Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATES OF COMPLETION
UPPER MORTANDAD CANYON AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-055

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Three SWMUs and Three AOCs in the Upper Mortandad Canyon Aggregate Area* (Request), dated July 01, 2010 and referenced by EP2010-01293. Results of the site investigations were presented in the *Investigation Report for the Upper Mortandad Canyon Aggregate Area, Revision 1,* dated April 2010.

The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for corrective action at the following solid waste management units/ areas of concern (SWMUs/AOCs) and the sites qualify for "Corrective Action Complete".

1. AOC 03-041 is an underground holding tank for industrial low-level radioactive wastewater. The tank is a 15 ft x 20 ft x 15ft double-walled fiberglass corrosion-proof

tank with a leak-detection system. It is located in a below grade concrete-lined vault and the base of the vault is 15 ft below ground surface. Although it is currently on active status, it has never been used. Investigations conducted during 2009 defined the nature and extent of contamination. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 03-041. NMED hereby issues the Certificate of Completion for AOC 03-041pursuant to Section VII.E.6.b of the Consent Order. Controls are not required at the site.

2. AOC 48-002(e) was a container storage area located on the east side of building 48-0001. The storage area is mostly paved except for a small portion of soil left unpaved to allow access to underground utilities. Investigations conducted during 1993, 1997, and 2009 defined the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. NMED hereby issues the Certificate of Completion for AOC 48-002(e) pursuant to Section VII.E.6.b of the Consent Order. Controls are not required at the site

3. SWMU 48-007(a) is an outfall formerly used to discharge treated cooling tower blowdown from two cooling towers. Water used in these cooling towers was treated to control scale, corrosion, and biological growth. The outfall was formerly listed on the National Pollutant Discharge Elimination System (NPDES) permit but was removed from the NPDES permit in 1999. Investigations conducted during 1993 and 2009 defined the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. Storm water continues to flow through the outfall and may mobilize the residual contamination at the site. The SWMU is monitored under the current NPDES permit. The control for the site is continuation of storm water monitoring under NPDES permit for potential transportation of residual contamination. NMED hereby issues the Certificate of Completion for SWMU 48-007(a) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

4. SWMU 48-007(d) is an outfall formerly used to discharge noncontact cooling water that cooled a vacuum pump. The outfall was formerly listed on the NPDES permit, but was removed from the permit in 1998. Investigations conducted during 1993 and 2009 defined the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. Storm water continues to flow through the outfall and may result in mobilization of the residual contamination at the site. The SWMU is monitored under the current NPDES permit. The control for the site is continuation of storm water monitoring under NPDES permit for potential transportation of residual contamination. NMED hereby issues the Certificate of Completion for SWMU 48-007(d) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

5. SWMU 48-010 is an unlined surface impoundment that received discharge from SWMUs 48-007(a) and 48-007(d). Investigations conducted during 1993, 1995, and 2009 defined

the nature and extent of contamination at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. Storm water continues to flow across the site and it is monitored under current NPDES permit. The control for the site is continuation of storm water monitoring under NPDES permit for potential transportation of residual contamination. NMED hereby issues the Certificate of Completion for SWMU 48-010 pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

6. AOC 48-012 is a small area of stained soil that was discovered during routine trenching operations conducted in 2002. The site was reported as a one-time spill. Removal of the contaminated soil was conducted as a voluntary corrective action in 2002. Additional samples were collected in 2009 to define the nature and extent of contamination. Evaluation of human health risk indicates that there is potential unacceptable risk posed by the site under residential scenario, but not under the industrial and construction worker scenario. There are no complete exposure pathways to ecological receptors. The control for the site is industrial land use, the site cannot be used for residential purposes. NMED hereby issues the Certificate of Completion for AOC 48-012 pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

If new information becomes available that indicates that these sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at these sites. Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

BRZ:nmd

cc: J. Kieling, NMED HWB
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
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L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
K. Rich, LANS, EP-CAP, MS M992

File: 2010 LANL, Certificates of Completion Upper Mortandad Aggregate Area (AOC 03-041, AOC 48-002(e), SWMU 48-007(a), SWMU 48-007(d), & SWMU 48-010).

NEW MEXICO ENVIRONMENT DEPARTMENT

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 10, 2010

George J. Rael, Federal Projects Director
Environmental Projects Office
U.S. Department. of Energy / National
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Los Alamos Site Office
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Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
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RE: CERTIFICATES OF COMPLETION
UPPER LOS ALAMOS CANYON AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-056

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Sixteen SWMUs and Nine AOCs in the Upper Los Alamos Canyon Aggregate Area* (Request), dated June 15, 2010 and referenced by EP2010-01284. Results of the site investigations were presented in the *Investigation Report for the Upper Los Alamos Canyon Aggregate Area, Revision 1,* dated February 2010.

The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for corrective action at following solid waste management units/ areas of concern (SWMUs/AOCs). The sites qualify for Corrective Action Complete without Controls status.

1. AOC 00-031(a) is the potentially contaminated soil beneath a former service station. Historical information and investigations conducted during 2008-2009 confirmed that the

underground storage tanks (USTs) were no longer in place and the analytical results indicated that no residual contamination related to the tanks is present at the site. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 00-031(a). NMED hereby issues this Certificate of Completion for AOC 00-031(a) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

2. AOC 00-034(b) was a suspected pit identified from a 1946 aerial photograph. Based on interviews and examination of aerial photographs it was determined that the identified pit was actually a staging area for soil or tuff fill material used for building roads and home sites and it was never used for land disposal of waste. No documentation of the pit was found. Based on the information provided by the Permittees, NMED has determined that the site does not need further corrective action. NMED hereby issues this Certificate of Completion for AOC 00-034(b) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

3. SWMU 01-001(t), known as the eastern sanitary waste line, served several former buildings. Currently, the entire SWMU area is either landscaped or beneath streets, parking lots, and commercial buildings. Investigations were conducted in 1993 and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-001(t). NMED hereby issues this Certificate of Completion for SWMU 01-001(t) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

4. SWMU 01-001(u) is a branch of the western sanitary waste line that served former building J-2. Based on field screening and soil sample data collected during the radiological survey conducted in 1974-76, the site was not considered contaminated. Currently, the entire SWMU area is beneath residential buildings, parking lots, and a wooded area behind residential buildings. No piping was encountered during the 1994 borehole drilling. Investigations were conducted in 1994 and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-001(u). NMED hereby issues this Certificate of Completion for SWMU 01-001(u) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

5. AOC 01-003(c) was a surface disposal area located below the north rim of Los Alamos Canyon. During 1988 and 1996 site visits, no debris was located. During 1996 a few scattered pieces of nonhazardous debris were found near the site. Another site visit was conducted during 2008-2009, revealing that the area is bare with boulders; no debris was observed on the cliff face. The site does not exist anymore. NMED hereby issues this Certificate of Completion for AOC 01-003(c) pursuant to Section VII.E.6.b of the

Consent Order. Based on the information provided, no controls are necessary for this site.

6. AOC 01-006(g) is a storm drainage system that served several buildings and discharged to Los Alamos Canyon. The entire area where drainlines were located has been regraded and developed for residential use. Investigations were conducted in 1992 and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by AOC 01-006(g). NMED hereby issues this Certificate of Completion for AOC 01-006(g) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

7. SWMU 01-006(o) is a storm drainage system that served several buildings and discharged to Los Alamos Canyon. The entire area where drainlines were located has been completely regraded and rebuilt. Currently, the majority of the SWMU area is located beneath pavement and residential buildings. Investigations were conducted in 1992 and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-006(o). NMED hereby issues this Certificate of Completion for SWMU 01-006(o) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

8. SWMU 01-007(d) refers to four areas of suspected subsurface soil radiological contamination between buildings because of overflow of an industrial waste line in 1946. After the overflow all contaminated soil that could be removed was excavated and gravel was spread over the area. Investigations were conducted in 1994 and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-007(d). NMED hereby issues this Certificate of Completion for SWMU 01-007(d) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

9. SWMU 01-007(e) refers to suspected subsurface soil radiological contamination within the footprint of the former Sigma Building. Contaminated soil was excavated from three small areas within the footprint of Sigma Building. Investigations were conducted in 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-007(e). NMED hereby issues this Certificate of Completion for SWMU 01-007(e) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

10. SWMU 03-009(j) is a surface disposal area located west of warehouse 03-142. Interviews with site workers indicated that the soil fill contained construction debris. The site was never used for management of hazardous waste or hazardous constituents. The

area is partially covered by a paved road/parking lot. Investigations were conducted in 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 03-009(j). NMED hereby issues this Certificate of Completion for SWMU 03-009(j) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

11. SWMU 32-001 is the location of a former incinerator that was removed in 1954. It received combustible wastes from a medical research facility; the ash from the incinerator was disposed off-site. Investigations were conducted in 1993, 1996, and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 32-001. NMED hereby issues this Certificate of Completion for SWMU 32-001 pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

12. SWMU 41-001 is an inactive septic system that received sanitary waste from a guard house. Investigations were conducted in 1995, 2000, and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 41-001. NMED hereby issues this Certificate of Completion for SWMU 41-001 pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

The following sites have been investigated and found to pose no unacceptable risk under current and proposed future land use. The sites require controls and are eligible for Corrective Action Complete status with Controls.

13. SWMU 01-001(b), septic tank 135, served two former buildings that were determined by the Laboratory to be free of contamination in 1964. A radiological survey was conducted in 1974-76 that indicated that the tank and drainlines were not contaminated. The tank and drainlines were removed during 1974-1976 survey. Further investigations were conducted in 1992 and 2008-2009 to define the nature and extent of contamination, if any. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. However, storm water discharge may mobilize residual contamination from the site. The Permittees must institute a control on the site by monitoring storm water discharge for potential transport of residual contamination. This is currently being accomplished under the National Pollutant Discharge Elimination System (NPDES) "Stormwater" Permit. NMED hereby issues this Certificate of Completion for Corrective Action Complete with Controls for SWMU 01-001(b) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

14. SWMU 01-001(c), septic tank 137, served former building D-2. The tank and its outfall were removed in 1975. Contaminated soil around the tank, drainlines and building D-2

were also removed in 1975. Investigations to define the nature and extent were conducted in 1992, 1993, and 2008-2009. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-001(c). However, storm water discharge may mobilize residual contamination from the site. The Permittees must institute a control on the site by monitoring storm water discharge for potential transport of residual contamination. This is currently being accomplished under the NPDES "Stormwater" Permit. NMED hereby issues this Certificate of Completion for SWMU 01-001(c) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

15. SWMU 01-001(e), septic tank 139, served three former buildings. The tank became inactive in 1965 and was left in place. The tank was not located during the 1974-76 radiological survey and it was concluded that the tank had been previously removed. The entire SWMU area is under roads, residential buildings, driveways and sidewalks. Investigations were conducted in 1992 and 2008-2009 of the accessible areas. Evaluation of human health and ecological risk conducted on samples collected from accessible areas indicates that there is no potential unacceptable risk posed by SWMU 01-001(e). However, storm water discharge may mobilize residual contamination from the site. The Permittees must monitor storm water discharge for potential transport of residual contamination. This is currently being accomplished under the NPDES "Stormwater" Permit. Additionally, the Permittees must investigate the areas of potential contamination that are currently inaccessible due to the presence of structures when they become accessible. The controls for the site are to monitor the storm water discharge for potential transport of contamination from the site, and to prevent exposure of receptors to potential subsurface contamination. This latter control is accomplished so long as the existing structures remain intact. NMED hereby issues this Certificate of Completion for SWMU 01-001(e) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned controls.

16. SWMU 01-003(e) was a surface disposal area located along the northern wall of Los Alamos Canyon. Concrete construction debris, piping, and other miscellaneous objects were observed at the site in the past. A major portion of this site is under fill material brought in by the private owner to extend the canyon rim farther south. Investigations were conducted in 1992 and 2008-2009 to define the nature and extent of contamination. Evaluation of human health and ecological risks indicate that there is no potential unacceptable risk posed by SWMU 01-003(e). However, storm water discharge may mobilize residual contamination from the site. The Permittees must institute a control on the site by monitoring storm water discharge for potential transport of residual contamination. This is currently being accomplished under the NPDES "Stormwater" Permit. NMED hereby issues this Certificate of Completion for SWMU 01-003(e) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

17. SWMU 01-006(d) is a drainline and associated outfall that served Building D-3 and discharged to hillside 137. Investigations were conducted in 1992, 1993, and 2008-2009

to define the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-006(d). However, storm water discharge may mobilize residual contamination from the site. The Permittees must institute a control on the site by monitoring storm water discharge for potential transport of residual contamination. This is currently being accomplished under the NPDES "Stormwater" Permit. NMED hereby issues this Certificate of Completion for SWMU 01-006(d) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

18. SWMU 01-007(j) consists of twelve areas of suspected subsurface soil radiological contamination. These are small isolated contaminated areas in former Technical Area 1 discovered during a radiological survey conducted in 1976. Most of the contaminated soil was removed. These areas are developed with buildings, sidewalks, and roads. Investigations were conducted in 2008-2009 to define the nature and extent of contamination of accessible areas. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by SWMU 01-007(j). The Permittees must address the potential contamination beneath the structures when buildings and roadways are demolished or otherwise become accessible. The control for the site is to prevent exposure to receptors from potential subsurface contamination, which is accomplished so long as the existing structures remain intact. NMED hereby issues this Certificate of Completion for SWMU 01-007(j) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

19. AOC 01-007(k) was a suspected soil contamination area located near the U and W buildings. The area is now developed and contains structures and parking lots. Investigations were conducted in 1993 and 2008-2009 to define the nature and extent of contamination in accessible areas. Evaluation of human health and ecological risk indicates that there is no potential unacceptable risk posed by AOC 01-007(k). The Permittees must investigate the areas beneath the structures for potential contamination at the time of demolition of these structures. The control for the site is to prevent exposure to receptors from potential subsurface contamination, which is accomplished so long as the existing structures remain intact. NMED hereby issues this Certificate of Completion for AOC 01-007(k) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

20. AOC 03-008(a) is a firing site that was decommissioned in 1949. Review of engineering drawings and aerial photographs indicates that site would have been located near the intersection of Diamond Drive and Jemez Road and is no longer discernible. Currently the site is overlain by a parking garage. The Permittees must address the potential contamination beneath the site when the parking lot is decommissioned. The control for the site is to prevent exposure to receptors from potential subsurface contamination, which is accomplished so long as the existing structures remain intact. NMED hereby issues this Certificate of Completion for AOC 03-008(a) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

21. AOC 43-001(b2) is a storm-drain outfall. It was permitted under the Laboratory's NPDES permit and was removed from the permit on January 11, 1999. Investigations conducted in 2008-2009 defined the nature and extent of contamination. Evaluation of human health and ecological risk indicates that there are potential unacceptable risks under the residential scenario. However, there is no potential unacceptable risk posed under the recreational scenario. The current and reasonably foreseeable future land use for the site is recreational; the control is that the site cannot be used for residential purposes. NMED hereby issues this Certificate of Completion for SWMU 43-001(b2) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

Certificates of Completion are not issued for the following sites because the Permittees have not demonstrated that they do not pose unacceptable risk to human health or environment based on the current applicable standards.

22. AOC 00-031(b), is the potentially contaminated soil associated with the Zia Company motor pool facility. Two USTs and associated piping were removed in 1994. Soil contaminated with petroleum hydrocarbons was removed and the excavation was backfilled and compacted. The Permittees must submit human health and ecological risk evaluations for NMED review and approval. The results of the risk evaluations may be included in the Upper Los Alamos Canyon Aggregate Area Phase II investigation report. NMED hereby denies the Certificate of Completion for the site.

23. AOC C-00-042 was a 2500-gallon steel waste-oil UST associated with the former automotive maintenance hanger at the Zia Company motor pool facility. The hanger was decommissioned and removed in 1962, and the land was subsequently transferred to Los Alamos County in 1967. The area was covered with fill material and asphalt. The tank and surrounding soil were removed in 1995 during VCA activities. The Permittees must conduct human health and risk evaluations using current standards. The results of the risk evaluations may be included in the Upper Los Alamos Canyon Aggregate Area Phase II investigation report. NMED hereby denies the Certificate of Completion for the site.

24. SWMU 01-002 is an outfall and associated industrial waste line that is located in the southern and western portion of Technical Area 1. Several former buildings with various processes discharged waste to the industrial waste lines. In 2000, the SWMU was split into two portions: the waste line portion of the SWMU was designated SWMU 01-002(a)-00, and the outfall was designated as SWMU 01-002(b)-00. For investigation purposes SWMU 01-002(b)-00 was included in the consolidated unit 45-001-00. The Permittees have completed corrective action at SWMU 01-002(a)-00. However, NMED will not issue the Certificate of Completion for the site until risk assessments are conducted by comparing contaminant concentrations to current standards for both sites. NMED hereby denies the certificate of completion for SWMU 01-002.

25. SWMU 01-007(l) is an area of potentially contaminated fill material located under Trinity Drive. The fill material is suspected of containing construction debris and other potentially radioactively contaminated soil from the Building D area. Investigations were conducted in 1993 and 1996. Currently, the site is overlain by Trinity Drive. The Permittees must conduct risk assessments using current standards and demonstrate that the site does not pose an unacceptable threat to human health or the environment. NMED hereby denies the Certificate of Completion for the site.

If new information becomes available that indicates that these sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at these sites.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

BRZ:nmd

cc: J. Kieling, NMED HWB
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316

File: 2010 LANL, Certificates of Completion, Upper Los Alamos Canyon Aggregate Area SWMUs/AOCs

SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

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DAVE MARTIN
Cabinet Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

January 14, 2011

George J. Rael, Assistant Manager
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Los Alamos, NM 87544

Michael J. Graham
Associate Director Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATE OF COMPLETION
PUEBLO CANYON AGGREGATE AREA
AREA OF CONCERN (AOC) 00-018(b)
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-096

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificate of Completion for Area of Concern 00-018(b), Bayo Wastewater Treatment Plant, Pueblo Canyon Aggregate Area*, dated December 10, 2010. Results of the associated facility demolition were presented in the *Demolition Documentation Report for the Bayo Canyon Wastewater Treatment Plant, Area of Concern 00-018(b)*, dated April 2010, and referenced by LA-UR-10-2076 and EP2010-0138.

AOC 00-018(b) is the former Bayo Canyon municipal wastewater treatment plant (WWTP) that was owned and operated by Los Alamos County. The Bayo WWTP was demolished by the County between October 2009 and February 2010. Although the evaluation of potential human health and ecological risks from the site indicated that AOC 00-018(b) does not pose an unacceptable risk to human health or to ecological receptors as presented and discussed in the July 2008 *Investigation Report for Pueblo Canyon Aggregate Area Revision 1* (LA-UR-08-4765 and EP2008-0391), NMED required the Permittees to observe and document demolition of the plant to ensure that contaminant releases had not occurred or were not present beneath site structures.

NMED has determined that the requirements of the Consent Order have been satisfied and the site qualifies for "Corrective Action Complete Without Controls" status. NMED hereby issues this certificate of completion for AOC 00-018(b) pursuant to Section VII.E.6.b of the Consent Order.

If, in the future, any additional information becomes available that indicates that the site may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at the site.

Please contact Daniel Comeau at (505) 476-6043, should you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
D. Comeau, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
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L. King, EPA 6PD-N
B. Coel-Roback, LANL, EP-CAP, MS M992
C. Rodriguez, DOE-LASO, MS A316

File: LANL Pueblo Canyon Aggregate Area, AOC 00-018(b), Certificate of Completion -- 2011

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RAJ SOLOMON, P.E.
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 18, 2011

George J. Rael, Assistant Manager
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RE: **CERTIFICATES OF COMPLETION**
UPPER SANDIA CANYON AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-10-099

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Eight Solid Waste Management Units and Sixteen Areas of Concern in the Upper Sandia Canyon Aggregate Area* (Request), dated December 6, 2010 and referenced by EP2010-0540. Results of the site investigations were presented in the *Investigation Report for the Upper Sandia Canyon Aggregate Area, Revision 1,* dated October 2010.

The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for corrective action at the following Solid Waste Management Units/Areas of Concern (SWMUs/AOCs).

1. **SWMU 03-003(c)** is the location of a former temporary equipment storage area for used dielectric fluids and capacitors adjacent to the former building 03-287 at TA-3. Building 03-287 was constructed between 1966 and 1968 and used for experiments until the mid-1980s. The sealed capacitors containing non-polychlorinated biphenyl (PCB) dielectric oil were temporarily stored in this area. Before the remodeling of building 03-287 in late 1992 and early 1993, a single surface sample was collected and analyzed for PCBs; no PCBs were detected. Samples of asphalt and fill collected in 2001 indicated the presence of PCBs. In 2003 and 2004, building 03-287 underwent decommissioning that included removal of the building and all of the asphalt paving and fill directly beneath the asphalt including location of SWMU 03-003(c). The entire area was graded and leveled, and approximately 10 ft of clean fill was placed over the entire site to accommodate construction of a new facility. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by SWMU 03-003(c). NMED hereby issues this Certificate of Completion for SWMU 03-003(c) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

2. **AOC 03-003(n)** is the location of a one-time PCBs spill in the salvage yard at Technical Area (TA)-3. With the exception of two small areas, most of the area is asphalt-paved. The salvage yard was used to store transformers, electrical equipment, batteries, and scrap metal. In 1977, a transformer ruptured and spilled approximately 10 gallons of PCB-contaminated oil into the soil. The salvage operation and material were moved to a building in 1993. Investigations conducted in 1994 and 2009 defined the nature and extent of contamination. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 03-003(n). NMED hereby issues this Certificate of Completion for AOC 03-003(n) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

3. **AOC 03-003(o)** is the location of a former capacitor bank that was used for experiments in former building 03-287 at TA-3. The sealed capacitors contained non-PCB dielectric fluid oil; each of the associated spark gap switches at the building 03-287 required approximately two quarts of non-PCB mineral oil for electrical insulation. The experiment was decommissioned in mid-1980s and all of the capacitors were removed from the building. Oil samples from spark gap switches and swipe samples from the surfaces within the building were collected and analyzed for PCBs. PCBs were detected at concentrations of less than two parts per million. In 2003 and 2004, building 03-287 underwent decommissioning that included removal of the building all the asphalt paving and fill directly beneath the asphalt including location of SWMU 03-003(c). The entire area was graded and leveled, and approximately 10 feet of clean fill was placed over the entire site to accommodate construction of a new facility. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 03-003(o). NMED hereby issues this Certificate of Completion for AOC 03-003(o)

pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

4. **SWMU 03-014(q)** is the treated effluent storage tank located at the TA-3 power plant. Between 1951 and 1985, the tank received and stored effluent from the former wastewater treatment plant, for use as cooling water for the power plant cooling towers. The effluent was pumped to the holding tank and treated with chromate to hinder bacterial growth. The tank currently receives treated effluent from the TA-46 Sanitary Wastewater Systems Consolidation Plant to use at the power plant. The effluent is treated in a wastewater neutralization tank to adjust pH before use and subsequent discharge to an outfall. Investigations were conducted in 2009 indicating that there is no potential unacceptable risk posed by SWMU 03-014(q) to human health or ecological receptors. NMED hereby issues this Certificate of Completion for SWMU 03-014(q) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

5. **AOC 03-014(v)** is the location of a former floor drain within building 03-36, that was installed in 1953 and connected to the sanitary sewer line tied to the former waste water treatment plant at TA-3. Building 03-36 and the soil beneath its footprint were removed in 1999. The area was further excavated to a depth of approximately 15 ft below grade to accommodate the foundation of new building. The depth of the excavation was approximately 8 ft deeper than the two confirmation samples collected in 1999. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 03-014(v). NMED hereby issues this Certificate of Completion for AOC 03-014(v) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

6. **AOC 03-027** is comprised of two former concrete-block lined lift wells located beneath the hydraulic lifts at a former garage (building 03-36) at TA-3. The lift wells collected floor wash water that contained residual oil and rinse water containing nitric acid. The garage was removed in 1999 for the construction of a new building. Building 03-36 and the soil beneath its footprint were removed in 1999. After demolition of the building in 1999, nine fill and tuff samples were collected from six locations within the footprint of the former lift wells. The area was further excavated to a depth of approximately 15 ft below grade to accommodate the foundation of new building. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by AOC 03-027. NMED hereby issues this Certificate of Completion for AOC 03-027 pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

7. **SWMU 03-028** is a former 12 ft x 15 ft x 6 ft deep concrete holding pond that was located at the northeast corner of the former asphalt batch plant. The site was used as a settling pond for mineral dust and particulates from gravel captured by scrubber water from the asphalt batch plant. Sediment from the bottom of the holding pond was

periodically removed and disposed of in a former landfill located southeast of the plant. Water from the pond was recycled to the scrubber system and replenished with potable water. During decommissioning of the asphalt batch plant in 2003, the pond sediment and water was removed from the pond, the pond filled with clean soil and gravel, and the surface of the site paved with asphalt for use as a parking lot. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for SWMU 03-028 pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

8. **SWMU 03-036(a)** is the location of two former asphalt emulsion product tanks at the former TA-3 asphalt batch plant. The tanks were 25 to 30 ft in diameter and 8 to 12 ft high. The tanks were located within a soil-bermed secondary containment area. Spills that occurred from plant operations were contained within the bermed area. Both tanks were removed and disposed of at the Los Alamos County Landfill in 1988 or 1989, as was soil around and beneath the tanks. The surface of the site was paved with asphalt for use as a parking lot in 2003. Results of investigations conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for SWMU 03-036(a) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

9. **AOC 03-036(b)** is a former location of two 25- to 50-gallon aboveground storage tanks located at the former asphalt batch plant at TA-3. The tanks were surrounded by 3-ft soil berm and stored kerosene and No. 2 diesel fuel. The use of the tanks started in 1960. In 2002, the tanks, the soil berm, and stained soils were removed during decommissioning of the asphalt batch plant. Results of the investigation conducted in 2003 and 2009 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-036(b) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

10. **SWMU 03-036(c)** is the location of two former asphalt emulsion storage tanks at the former TA-3 asphalt batch plant. The tanks were removed and disposed of at the Los Alamos County Landfill. The inspection of tanks indicated that the tanks had not leaked. The asphalt batch plant was decommissioned in 2002. In 2003, the site was paved with asphalt for use as a parking lot. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for SWMU 03-036(c) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

11. **SWMU 03-036(d)** is the location of two former asphalt emulsion storage tanks (former structures 03-75 and 03-76) at the former TA-3 asphalt batch plant. The tanks were

removed and disposed of at the Los Alamos County landfill. The inspection of tanks indicated that the tanks had not leaked. The asphalt batch plant was decommissioned in 2002. In 2003, the site was paved with asphalt for use as a parking lot. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for SWMU 03-036(d) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

12. **AOC 03-038(c)** is a 2-in cast-iron drainline that formerly carried rinse solution from a copper electroplating bath to an industrial waste line. Plating and acid solutions were washed of the circuit boards and down the drain. The electroplating bath initially operated in the 1960s and ceased operations in the early 1970s. The drainpipe was cut and capped inside the wall to make it inaccessible. Results of an investigation conducted in 2009 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-038(c) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

13. **AOC 03-043(a)** is a former 20,000-gal aboveground storage tank, installed in 1948 at the former asphalt batch station at TA-3. The tank was removed in 1963 and disposed of at the Los Alamos County Landfill, and replaced by another storage tank (AOC 03-043(f)). In 2003, the surface was paved with asphalt for use as a parking lot. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-043(a) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

14. **AOC 03-043(b)** is the location of a former 10, 000-gallon aboveground asphalt emulsion storage tank, installed in 1948 at the former TA-3 asphalt batch plant. In 1980, the tank was removed and disposed of at the Los Alamos County Landfill, as was stained soil observed beneath and around the tank. The asphalt batch plant was decommissioned in 2002. In 2003, the surface of the site was paved with asphalt for use as a parking lot. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-043(b) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

15. **AOC 03-043(d)** is the former aboveground asphalt storage tank (former structure 03-76) at the former asphalt batch plant at TA-3. The tank was removed and disposed of at the Los Alamos County Landfill in 1988 or 1989. The surface of the site was paved with asphalt for use as a parking lot in 2003. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-

043(d) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

16. **AOC 03-043(f)** is the location of a former aboveground storage tank (former structure number 03-178) at the former asphalt batch station at TA-3. The tank was removed, disassembled, disposed of at Los Alamos County Landfill. In 2003, the surface was paved with asphalt for use as a parking lot. The potential soil contamination associated with the former tank was included in the investigations conducted at SWMUs 03-036(c) and 03-036(d). Results of the investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-043(f) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

17. **AOC 03-043(g)** is the location of a former aboveground asphalt storage tank (former structure number 03-335) at the former asphalt batch station at TA-3. The tank was removed and disposed of at the Los Alamos County Landfill. In 2003, the surface was paved with asphalt for use as a parking lot. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-043(g) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

18. **AOC 03-043(h)** is the former aboveground asphalt storage tank (former structure 03-75) at the former asphalt batch plant at TA-3. The tank was removed and disposed of at the Los Alamos County Landfill in 1988-1989. The surface of the site was paved with asphalt for use as a parking lot in 2003. Results of an investigation conducted in 2003 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 03-043(h) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

19. **AOC 03-047(d)** is the location of a former container storage area at TA-3. The storage area consisted of an asphalt pad where drums of new motor oil, used oil, and Stoddard solvent were stored from 1954-1989. The asphalt pad was removed when the area was decommissioned in 1989. Investigations conducted in 1995 indicated that the residual contamination posed no unacceptable risk to human health and ecological receptors. In 2002, before the installation of a concrete pad, soil was excavated within the boundary of AOC 03-047(d). Two days later, a waterline ruptured at the TA-3 power plant and eroded all remaining soil/fill, including the 1995 sampling locations. The location of the AOC 03-047(d) was backfilled with more than five ft of clean fill to bring the site back up to grade. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed by the site. NMED hereby issues this Certificate of

Completion for AOC 03-047(d) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

20. **SWMU 03-056(l)** is the location of a former outdoor storage area at TA-3. Containers of disposable clothing contaminated with beryllium powder and carboys used to store beryllium powder in water were reportedly staged at this location before disposal. There are no documented releases from the drums or carboys to the environment. Results of the investigations conducted in 2003 and 2009 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for SWMU 03-056(l) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

21. **AOC C-03-016** is a former oil cleanout bin that was located north of the former asphalt batch plant at TA-3. The bin was approximately 4 ft x 16 ft x 3 ft deep, had a hinged lid, and was buried with the top flush to the ground surface. The bin was installed in the mid-1970s and contained used asphalt emulsion oil. In the late 1980s, the stained area surrounding the bin was removed. Clean sand and gravel was placed around the bin. The bin and stained soils around the bin were removed in the late 1990s. In 2003, the surface of the site was paved with asphalt for use as a parking lot. Results of investigations conducted in 2003 and 2009 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC C-03-016 pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

22. **AOC 60-004(b)** is a former storage area at TA-60 for 12 containers of diesel sludge removed from underground tanks at the TA-3 power plant. The containers were staged at this area in 1988. Results of investigations conducted in 1994 and 2009 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 60-004(b) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

23. **AOC 60-004(d)** is the location of a former storage area at TA-60. The containers were staged at this area in 1988. The area was formerly used to temporarily stage drums containing fluids removed from underground storage tanks. Decommissioned underground storage tanks were also dismantled at this location. The storage area was first used in 1979. Results of investigations conducted in 1994 and 2009 indicate that there is no potential unacceptable risk posed by the site to human health or ecological receptors. NMED hereby issues this Certificate of Completion for AOC 60-004(d) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

The following site is eligible for Corrective Action Complete with Controls.

24. **SWMU 03-056(c)** is an inactive outdoor transformer storage area located at TA-3. The area was used to store electrical equipment, capacitors, and transformers with PCB-containing dielectric oils. Waste solvents used to clean electric equipment were also stored at this location. Investigations and remedial actions were conducted at the site in 1994, 1995, 2000, and 2001. The nature and extent of contamination was defined and confirmatory sample results indicated that the site met the Environmental Protection Agency's PCB cleanup criterion of less than 1 part per million. Evaluation of human health and ecological risks indicates that there is no potential unacceptable risk posed at the site. However, storm water discharge may mobilize residual contamination from the site. The Permittees must institute and maintain a control on the site by monitoring storm water discharge for potential off-site transport of residual contamination. This is currently being accomplished under the National Pollutant Discharge Elimination System (NPDES) "Stormwater" Permit. NMED hereby issues this Certificate of Completion for Corrective Action Complete with Controls for SWMU 03-056(c) pursuant to Section VII.E.6.b of the Consent Order, subject to the aforementioned control.

If new information becomes available that indicates that these sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at these sites.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: J. Kieling, NMED HWB
D. Cobrain, NMED HWB
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File: 2011 LANL, Certificates of Completion, Upper Sandia Canyon Aggregate Area SWMUs/AOCs

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Cabinet Secretary

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

June 3, 2011

George J. Rael, Assistant Manager
Environmental Projects Office
Department of Energy/National
Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Security, LLC
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: **CERTIFICATES OF COMPLETION**
MATERIAL DISPOSAL AREA V, TECHNICAL AREA 21
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-11-030

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Four Solid Waste Management Units and One Area of Concern at Material Disposal Area V, Technical Area 21* (Request), dated May 13, 2011 and referenced by EP2011-0138. Results of the site investigations were presented in the *Investigation Report for Consolidated Unit 21-018(a)-99, Material Disposal Area V, at Technical Area 21, Revision 1,* dated July 2007 and the *Supplemental Investigation Report for Consolidated Unit 21-018(a)-99, Material Disposal Area V, at Technical Area 21, Revision 1,* dated April 2008.

To determine extent of subsurface tritium contamination, the Permittees implemented the *Vadose Zone Subsurface Characterization and Vapor-Monitoring Well Installation Work Plan for Material Disposal Area V, Consolidated Unit 21-018(a)-99, Revision 1*, dated August 2009. Four rounds of quarterly sampling were conducted and periodic monitoring reports were submitted to

NMED in December 2009, March 2010, June 2010, and October 2010. The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for corrective action at the following Solid Waste Management Units/Areas of Concern (SWMUs/AOCs).

SWMU 21-013(b) is the location of a former surface debris disposal site located immediately south of MDA V on the south-facing slope leading into BV Canyon. It is not known how long this site received building debris; however, it did not receive waste after 1994. SWMU 21-013(b) contained the external concrete piers, the concrete building foundations, and other building debris derived from the 1965 demolition of the laundry facility (building 21-20 [SWMU 21-018(b)]) and a waste treatment laboratory (building 21-33 [AOC 21-009]). The debris was removed in 2005 and investigations were conducted between 2005 and 2007 to define the nature and extent of contamination. Evaluation of both human health and ecological risk indicates that there is no potential unacceptable risk posed at the site. However, storm water discharge may mobilize residual contamination from the site. The Permittees must monitor storm water discharge for potential off-site transport of residual contamination. This is currently being accomplished under the National Pollutant Discharge Elimination System (NPDES) "Stormwater" Permit. NMED hereby issues this Certificate of Completion for Corrective Action Complete with Controls for SWMU 21-013(b) pursuant to Section VII.E.6.b of the Consent Order.

SWMU 21-018(a), more commonly referred to as Material Disposal Area (MDA) V, is an approximately 1-acre site located immediately south of the former laundry facility [building 21-20; SWMU 21-018(b)]. The SWMU consists of three interconnected liquid waste absorption beds. MDA V was constructed to receive radioactive liquid wastewater from the laundry facility and was designed to enhance the infiltration of liquids into the tuff bedrock. The absorption beds were constructed in 1945 and operated until 1961. They remained on stand-by status until September 1963 when they were permanently removed from service. All absorption bed material and associated piping was removed and investigations were conducted between 2005 and 2007 to define the nature and extent of contamination. Evaluation of both human health and ecological risk indicates that there is no potential unacceptable risk posed at the site. However, storm water discharge may mobilize residual contamination from the site. The Permittees must monitor storm water discharge for potential off-site transport of residual contamination. This is currently being accomplished under the National Pollutant Discharge Elimination System (NPDES) "Stormwater" Permit. In addition, in the letter entitled *Extended Tritium Sampling at Material Disposal Area V*, dated February 15, 2011 and referenced by EP2011-0058, the Permittees commit to continue quarterly vapor monitoring at MDA V in connection with remedial actions currently in progress at MDA B. The need for continued vapor monitoring at MDA V will be reconsidered upon completion of the review of the final report detailing remedial actions at MDA B. NMED hereby issues this Certificate of Completion for Corrective Action Complete with Controls for SWMU 21-018(a) pursuant to Section VII.E.6.b of the Consent Order.

SWMU 21-018(b) is a former laundry facility (building 21-20) located at the eastern end and south of DP Road, immediately west of the security fence that encloses other former TA-21 facilities. Operational from 1945 to 1961, the laundry facility was used to wash personal protective clothing and other reusable cloth items used in both research and production operations involving radioactive materials at TA-21. It is estimated that the laundry facility

generated approximately two million gallons of effluent annually, which was discharged to MDA V. The laundry facility was a wood-frame structure with both concrete slab and wood-framing-on-pier floors. The wood portions of the building were decommissioned and demolished in 1965 and taken to MDA G where the debris was burned. The concrete foundation and associated piping were bulldozed over the edge of DP Mesa onto the south-facing slope of BV Canyon. Investigations were conducted between 2005 and 2007 to define the nature and extent of contamination. Evaluation of both human health and ecological risk indicates that there is no potential unacceptable risk posed at the site. NMED hereby issues this Certificate of Completion for SWMU 21-018(b) pursuant to Section VII.E.6.b of the Consent Order. Based on the information provided, no controls are necessary for this site.

SWMU 21-023(c) is a former septic system that consisted of a tank, inlet and outlet lines, and an outfall that served a waste treatment laboratory (building 21-33 [AOC 21-009]). The septic tank was located immediately west of the MDA V absorption beds and was constructed of reinforced concrete. The inlet and outlet lines were 4-inch vitrified clay pipe (VCP); the outlet line surfaced 40 feet southwest from the tank, approximately 30 feet from the canyon edge above BV Canyon. The outfall area extended south into BV Canyon. The waste treatment laboratory septic system was put into service in 1948. Wastewater was pumped from a sump in building 21-33 through the septic system. The tank was removed in 1965 and taken to MDA G. Investigations were conducted between 2005 and 2007 to define the nature and extent of contamination. Evaluation of both human health and ecological risk indicates that there is no potential unacceptable risk posed at the site. However, storm water discharge may mobilize residual contamination from the site. The Permittees must monitor storm water discharge for potential off-site transport of residual contamination. This is currently being accomplished under the National Pollutant Discharge Elimination System (NPDES) "Stormwater" Permit. NMED hereby issues this Certificate of Completion for Corrective Action Complete with Controls for SWMU 21-023(c) pursuant to Section VII.E.6.b of the Consent Order.

AOC 21-013(g) is located immediately south of MDA V on the south-facing slope leading into BV Canyon and has historically been described as a surface debris disposal site. It is not known how long the site received building debris; however, it did not receive waste after 1994. AOC 21-013(g) consisted of two discarded drainlines and miscellaneous building materials of unknown origin. The debris was removed in 2005 and investigations were conducted between 2005 and 2007 to define the nature and extent of contamination. Evaluation of both human health and ecological risk indicates that there is no potential unacceptable risk posed at the site. However, storm water discharge may mobilize residual contamination from the site. The Permittees must monitor storm water discharge for potential off-site transport of residual contamination. This is currently being accomplished under the National Pollutant Discharge Elimination System (NPDES) "Stormwater" Permit. NMED hereby issues this Certificate of Completion for Corrective Action Complete with Controls for SWMU 21-013(g) pursuant to Section VII.E.6.b of the Consent Order.

If new information becomes available that indicates that these sites pose a potential risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at these sites in the future.

Please contact Ben Wear at (505) 476-6041, if you have any questions.

Sincerely,

John E. Kieling
Acting Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
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File: 2011 LANL, Certificates of Completion, MDA V, TA-21 SWMUs/AOCs

ERID-520388

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EP2012-5112

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 16, 2012

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Michael J. Graham
Associate Director
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U1201076

RE: CERTIFICATES OF COMPLETION
ONE SOLID WASTE MANAGEMENT UNIT AND ONE AREA OF CONCERN
IN THE GUAJE/BARRANCAS/RENDIJA CANYONS AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-008

Dear Messrs. Maggiore and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for One Solid Waste Management Unit and One Area of Concern in the Guaje/Barrancas/Rendija Canyons Aggregate Area*, dated February 02, 2012 and referenced by EP2012-0026.

One solid waste management unit (SWMU) 00-011(c) and one area of concern (AOC) C-00-020 were recommended for corrective action complete without controls in the *2011 Biennial Ordnance Survey Report* (Report), dated December 2011 (LA-UR-11-6766/EP2011-0383). NMED reviewed the Report and concurred with the conclusion that there is no need to conduct further ordnance surveys at these two sites (December 28, 2011). The Permittees have satisfied

the requirements of the March 1, 2005 Consent Order for completion of corrective action at these sites.

Based on the results of investigations, the following sites within the Guaje/Barrancas/Rendija canyons Aggregate Area qualify for Corrective Action Complete Without Controls status.

SWMU 00-011(c) is a suspected mortar impact area located on U. S. Forest Service land in a tributary of Rendija canyon north of the Sportman's club small-arms firing range. The area is approximately 10 acres and may have been used as a mortar impact area in the 1940s. A RCRA facility investigation (RFI) conducted in 1993 included an ordnance survey that did not find any munitions debris (MD) at the site and the Permittees concluded that the site was never used as an ordnance impact area. In October 2006, another munitions debris survey was conducted at the site and no MD or muntions of explosive concern (MEC) were found at SWMU 00-011(c). At NMED's direction, additional ordnance surveys were conducted in 2009 and 2011 and no MD or MEC was found at the site during either survey. The Permittees have demonstrated that the SWMU 00-011(c) is eligible for corrective action complete without controls.

AOC C-00-020 is a 30-acre suspected mortar impact area located along the north valley wall of Rendija Canyon on U. S. Forest Service land. The site was thought to be a former impact area because of the presence of "U.S. Property-No trespassing" signs posted along the southern edge of the area. In 1991, an ordnance team inspected the site and concluded that the site was not a former impact area. A RFI was conducted in 1993 that included an ordnance survey. No MD or MEC was observed at the site. In October 2006, another munitions debris survey was conducted at the site and no MD or MEC were found at AOC C-00-020. At NMED's direction, additional ordnance surveys were conducted in 2009 and 2011 and no MD or MEC was found during the surveys. The Permittees have demonstrated that the AOC C-00-020 is eligible for corrective action complete without controls.

If new information becomes available that indicates that any of these sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional investigation or remediation. NMED hereby issues this Certificate of Completion for 2 sites discussed above pursuant to section VII.E.6.b of the Consent Order.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2012 LANL, Certificates of Completion for Guaje/barrancas/Rendija Canyons AA Sites (LANL 12-008)

ERID-520940

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EP2012-5183

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 13, 2012

Peter Maggiore, Assistant Manager
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Los Alamos Site Office
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Los Alamos, NM 87544

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: APPROVAL OF REQUEST FOR CERTIFICATES OF COMPLETION FOR SIX SOLID WASTE MANAGEMENT UNITS AND ONE AREA OF CONCERN IN THE UPPER CAÑADA DEL BUEY AGGREGATE AREA
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-11-049

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Six Solid Waste Management Units and One Area of Concern in the Upper Cañada Del Buey Aggregate Area* (Request), dated July 14, 2011, and referenced by EP2011-0242.

The request included the following Solid Waste Management Units (SWMUs) and Area of Concern (AOC):

SWMU 46-002, Surface Impoundment
SWMU 46-004(m), Inactive Outfall
SWMU 46-004(p), Inactive Dry Well
SWMU 46-006(b), Former Storage Shed
SWMU 46-006(g), Storage Area
SWMU 52-001(d), Former Facility Equipment
AOC C-46-001, Spill/Release Area

These SWMUs and the AOC were recommended for corrective action complete in the report entitled *Investigation Report for Upper Cañada del Buey Aggregate Area, Revision 1* (Report), dated May 2011 that summarized work completed in 2010. NMED approved the Report on May 31, 2011. The Permittees have satisfied the requirements of the March 1, 2005 Consent Order for completion of corrective action at these sites.

SWMU 46-002 is a surface impoundment system located at the eastern end of TA-46, southeast of the prototype fabrication building (46-77). The impoundment system was constructed in the early 1970s to receive sanitary wastewater from buildings located within the restricted access area of Technical Area (TA)-46. The lagoon was removed from service in the early 1990s when the Sanitary Wastewater System Consolidation (SWSC) plant came online. The outfall from the surface impoundment system had been removed from the National Pollutant Discharge Elimination System (NPDES) permit by 1993. Based on the risk screening assessment results, no potential unacceptable risks or doses from contaminants of potential concern (COPCs) exist for the industrial, construction worker, and residential scenarios. No potential ecological risks exist for any receptor following evaluations based on minimum ecological screening levels (ESLs), hazard index (HI) analyses, comparison with background concentrations, potential effects to plant and animal populations, and lowest observed adverse effect level (LOAEL) analyses.

SWMU 46-004(m) is a former NPDES-permitted outfall located approximately 60 ft north of building 46-30 at TA-46. The outfall protrudes from a slope on the hillside north of building 46-30. The outfall discharged effluent from an industrial drainline in building 46-30 to a ditch at the foot of the bank. In December 1995, the outfall was removed from the NPDES permit. Before the outfall was removed from the NPDES permit, all discharges to the outfall from building 46-30 ceased. Based on the risk screening assessment results, no potential unacceptable risks or doses from COPCs exist for the industrial, construction worker, and residential scenarios. No potential ecological risks exist for any receptor following evaluations based on minimum ESLs, HI analyses, comparison with background concentrations, potential effects to plant and animal populations, and LOAEL analyses.

SWMU 46-004(p) is an inactive dry well located next to the southwest corner of building 46-1 at TA-46. The dry well consists of corrugated metal pipe, approximately two feet in diameter and 10 feet in length, placed vertically in the ground, with a square concrete pad around the top three feet of the pipe, and covered with a hinged-metal lid. Building 46-1 housed offices, two assembly bays, a machine shop, several laboratories for the assembly and checkout of electrical components, general laboratories, and a uranium polishing area. All COPCs identified for

SWMU 46-004(p) were reported in samples collected from depths greater than 10 feet below ground surface (bgs). Therefore, no complete pathways to receptors for any of the exposure scenarios exist, and human health risk-screening assessments were not conducted for this site. All COPCs identified for SWMU 46-004(p) were reported in samples collected from depths greater than 10 feet bgs. Therefore, no complete pathways to any ecological receptors exist, and an ecological risk screening assessment was not conducted for this site.

SWMU 46-006(b) is a former storage shed that was located approximately 40 feet north of the Laser Isotope Support Facility at TA-46. The shed was installed sometime before 1977. The site of the shed is paved with asphalt and slopes toward a storm drain to the southeast. The shed was removed in 1990. Based on the risk-screening assessment results, no potential unacceptable risks from COPCs exist for the industrial, construction worker, and residential scenarios. No potential ecological risks exist for any receptor following evaluations based on minimum ESLs, HI analyses, comparison with background concentrations, potential effects to populations (individuals for threatened and endangered species), and LOAEL analyses.

SWMU 46-006(g) is a storage shed located at the west end of building 46-31 at TA-46. The shed is of corrugated-steel construction and measures 10 feet by 20 feet. From 1982 to 1984, the shed housed vacuum pumps used in experiments involving plasma vaporization of depleted uranium powder. The area around the shed is level and paved. Based on the risk-screening assessment results, no potential unacceptable risks from COPCs exist for the industrial, construction worker, and residential scenarios. No potential ecological risk was found for any receptor following evaluations based on minimum ESL, HI analyses, comparison with background concentrations, potential effects to populations (individuals for threatened and endangered species), and LOAEL analyses.

SWMU 52-001(d) used to contain various facility equipment. This site operated from 1967 to 1968 and underwent decontamination and decommissioning in 1989. Supplemental information provided to NMED in 2008 demonstrated that any releases outside building 52-01 would be associated with the other SWMUs associated with the building and additional sampling of SWMU 52-001(d) was not necessary.

AOC C-46-001 is the location of a one-time spill of mercury in the vicinity of building 46-75 at TA-46. On July 22, 1975, 0.55 to 1.1 lb of mercury spilled on the ground near building 46-75. The spill was cleaned up shortly after it occurred and aerial photos show the entire area surrounding building 46-75 was paved at the time of the spill. A human health risk assessment was not performed for AOC C-46-001 because no COPCs were identified for the site. Therefore, no potential unacceptable risks from COPCs exist for the industrial, construction worker, and residential scenarios. An ecological risk assessment was not performed for AOC C-46-001 because no COPCs were identified for the site. Therefore, no potential risks from COPCs to ecological receptors exist.

NMED has reviewed the Request and, based on review of associated soil sample analytical data, the nature and extent of contamination at the SWMUs and AOC have been defined. NMED has

determined that the requirements of the Consent Order have been satisfied and the sites qualify for "Corrective Action Complete Without Controls" status. NMED hereby issues this certificate for the SWMUs and AOC listed above pursuant to Section VII.E.6.b of the Consent Order.

If, in the future, any additional information becomes available that indicates the site(s) may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at the site(s).

If you have any questions regarding this letter, please contact Daniel Comeau at (505) 476-6043.

Sincerely,

for

John E. Kieling
Acting Chief
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
D. Cobrain, NMED HWB
D. Comeau, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
C. Rodriguez, DOE-LASO, MS A316
K. Rich, EP-CAP, MS M992

File: 2011 – Approval_Rqst_for_CoCs, Upper CdB AA; LANL-11-049

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IOR-EP-7.17.2012-462698

ERID-521776

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BUTCH TONGATE
Deputy Secretary

JAMES H. DAVIS, Ph.D.
Director
Resource Protection Division

EP2013-5011

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

December 20, 2012

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Jeffrey D. Mousseau
Associate Director
Environmental Programs
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Los Alamos, NM 87545

RE: CERTIFICATE OF COMPLETION
ONE AREA OF CONCERN IN THE UPPER LOS ALAMOS CANYON AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-069

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificate of Completion for One Area of Concern in the Upper Los Alamos Canyon Aggregate Area*, dated December 18, 2012 and referenced by EP2012-0301.

Area of Concern (AOC) 32-003 was recommended for corrective action complete without controls in the *Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32, Revision 1* February 2011. NMED issued a Direction to Modify letter for the Report (April 6, 2011) that did not require any additional work at AOC 32-003.

AOC 32-003 is a location of a former transformer station, structure 32-10. It consisted of three transformers on a wooden platform suspended on poles approximately 20 ft. off the ground. It is located northwest of the solid waste management unit 32-002(b) septic tank and directly south of former building 32-01, and was discovered during the investigations conducted in 1993. Investigations were conducted at the site in 1993, 1996, 2008, and 2010. Based on the results of the risk screening assessments, no potential unacceptable risk from residual contamination exists for the industrial, construction worker, recreational, and residential scenarios. No potential unacceptable risks to ecological receptors are present at the site.

In accordance with Section VII.E.6.b of the Order on Consent, NMED hereby issues a Certificate of Completion without Controls for AOC 32-003.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
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T. Skibitski, NMED DOE OB
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C. Rodriguez, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2012 LANL, Certificate of Completion for AOC 32-003, Upper Los Alamos Canyon AA (LANL 12-069)

ERID-521746

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Director
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EP2013-5008

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

December 28, 2012

Pete Maggiore
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Jeffrey D. Mousseau
Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATES OF COMPLETION
TWO SOLID WASTE MANAGEMENT UNITS AND ONE AREA OF CONCERN
IN THE UPPER LOS ALAMOS CANYON AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-072

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Two Solid Waste Management Units and One Area of Concern in the Upper Los Alamos Canyon Aggregate Area*, dated December 20, 2012 and referenced by EP2012-0304.

1. **Solid waste management unit (SWMU) 32-002(b1)** is a part of a former septic system that served former buildings 32-01 and 32-02 at former technical area (TA) 32. Former TA-32 was decommissioned in 1954. SWMU 32-002(b1) is the portion of the former septic system (32-002(b)) that is located on property currently owned by Los Alamos County (LAC). The remainder of the septic system is located on the property owned by

DOE and is designated as 32-002(b2). SWMU 32-002(b) was split into two separate SWMU in December 2012 through a permit modification to facilitate commercial development of the property owned by LAC. The outfall for SWMU 32-002(b) is located at the edge of Los Alamos Canyon, which is now part of SWMU 32-002(b2). The septic tank was removed in 1998, and the influent drainline was removed in 1996. Research activities mainly involved radionuclides, but other inorganic and organic chemicals were likely also used at the laboratory. Investigations were conducted at the site in 1996, 2008, and 2010.

The results of the investigations are reported in the *Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32, Revision 1* (dated February 2011 and referenced by LA-UR-11-1177/EP2011-0064) and *Supplemental Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32* (dated December 2012 and referenced by LA-UR-12-27053/EP2012-0306). Based on the results of the risk screening assessments, no potential unacceptable risk from residual contamination exists for the recreational, industrial, and construction worker scenario. However, the site does pose potential unacceptable risk under a residential exposure scenario. The site does not pose potential risk to ecological receptors under the proposed land use scenario. SWMU 32-002(b1) qualifies for corrective action complete with controls status. The control for the site is that the land use must be maintained as industrial.

2. **Area of Concern (AOC) 32-004** consists of a former drainline and outfall that served building 32-03 and discharged to Los Alamos Canyon. Building 32-03 was an office building and contained a vault room where a radioactive source was stored. The drainline at AOC 32-004 led directly to an outfall at the edge of the mesa without passing through a septic tank. Building 32-03 was removed when TA-32 was decommissioned in 1954. A section of the drainline located on LAC property was removed in 1996. Investigations were conducted at the site in 1993, 1996, 2008, and 2010.

   The results of the investigations were reported in the *Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32, Revision 1* (dated February 2011 and referenced by LA-UR-11-1177/EP2011-0064). Based on the results of the risk screening conducted at the site, AOC 32-004 does not pose a potential unacceptable risk for the industrial, recreational, and construction worker land use scenarios. No potential unacceptable risks to ecological receptors are present at the site under the proposed industrial/commercial land use scenario. However, potential unacceptable risk exists under a residential land use scenario. AOC 32-004 qualifies for corrective action complete with controls status. The control is to maintain the land use as industrial.

3. **SWMU 32-002(a)** is a former septic system that was installed in 1944 and served former building 32-01. The outlet drainline discharged to the edge of Los Alamos Canyon.

Former building 32-01 operated as a research laboratory from 1944-1954. Research activities mainly involved radionuclides, but inorganic and organic chemicals were likely also used at the laboratory. Former TA 32 was decommissioned in 1954. The septic tank was removed prior to 1996, but historical records of the removal activities are not available. The drainlines were removed in 1996. Investigations were conducted in 1996, 2008, 2010, and 2011.

The results of the investigations were reported in the *Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32, Revision 1* (dated February 2011 and referenced by LA-UR-11-1177/EP2011-0064) and *Supplemental Remedy Completion Report for Upper Los Alamos Canyon Aggregate Area, Former Technical Area 32* (dated December 2012 and referenced by LA-UR-12-27053/EP2012-0306). Results of the investigations were used to evaluate the risk posed by the site. The site does not pose any unaceptable risk under an industrial land use scenario. However, the construction worker scenario was not evaluated. The Permittees must evaluate the risk posed to a construction worker by residual contamination at the site. The ecological risk evaluation indicated that the site does not pose unacceptable risk to the ecological receptors under the proposed land use scenario. NMED will make the corrective action completion determination after reviewing the results of evaluation of potential risk posed to a construction worker to be submitted by the Permittees.

NMED hereby issues a Certificate of Completion with Controls for SWMU 32-002(b1) and AOC 32-004. If new information becomes available that indicates that any of these sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc:

J. Davis, NMED HWB
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N

E. Worth, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2012 LANL, Certificates of Completion for TA-32, Upper Los Alamos Canyon AA Sites (LANL 12-072)

ERID-522072

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EP2013-5049

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 22, 2013

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Jeffrey D. Mousseau
Associate Director
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P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATES OF COMPLETION
FOUR SOLID WASTE MANAGEMENT UNIT AND ONE AREA OF CONCERN
IN THE PUEBLO CANYON AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-063

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Four Solid Waste Management Units and One Area of Concern in the Pueblo Canyon Aggregate Area*, dated September 13, 2012 and referenced by EP2012-0202.

1. Solid Waste Management Unit (SWMU) 45-001 was a former radioactive liquid waste (RLW) treatment plant and associated outfalls. The treatment plant began operating in 1951 and operated until 1964. The plant initially received RLW only from Technical Area (TA) 1. As laboratory operations expanded, RLW from TA-3, TA-43, and TA-48 was also sent to SWMU 45-001. Decontamination and decommissioning (D&D) of

COR-EP-2.25.2013-496670

SWMU 45-001 included the demolition and removal of treatment plant equipment, structures, and waste lines and the excavation of contaminated soil. Portions of the cliff walls of Acid Canyon below the outfalls were also decontaminated.

2. SWMU 45-002 consisted of a former vehicle decontamination facility (former building 45-1) that was used to decontaminate vehicles and large equipment, including filters from the Sigma Building, trash dumpsters, and wing tanks from airplanes. SWMU 45-002 was located approximately 40 feet south of the TA-45 RLW treatment plant (SWMU 45-001). The decontamination facility began operation in 1952. Vehicles and other equipment were decontaminated by steam-cleaning. This facility operated infrequently, approximately once per month. SWMU 45-002 was decommissioned in 1966, along with the other facilities that comprised former TA-45.

3. SWMU 45-003 consisted of the former buried industrial waste line and associated manhole (structure 45-8) located within the boundaries of TA-45. This waste line was used to convey RLW to the TA-45 treatment plant, SWMU 45-001.

4. SWMU 45-004 consisted of a sanitary sewer outfall that was associated with the sanitary sewer system constructed in 1947 to serve the Los Alamos town site. This sewer system included a sanitary sewer lift station (structure 45-3) and sanitary sewer manholes (structures 45-5 and 45-6).

5. Area of Concern (AOC) C-45-001 was the site of an accidental release of plutonium-contaminated sludge that occurred in the parking lot south of building 45-2 (SWMU 45-001) in January 1957. The parking lot was removed as part of the TA-45 D&D activities.

These five sites are components of Consolidated Unit 45-001-00. The July 2008 Investigation Report for Pueblo Canyon Aggregate Area, Revision 1 (IR) presented the results of characterization and remediation activities conducted in 2006 and 2007. The vertical extent of mercury and silver were not fully determined at one sample location within SWMU 45-004. The vertical extent of metals was determined by the Permittees between February and June 2010 and the results were presented in the September 2010 Phase II IR.

Because the footprints of the five sites overlap, the Phase II IR evaluated the risk for all five sites combined. The Phase II IR demonstrated that SWMUs 45-001, 45-002, 45-003, 45-004 and AOC C-45-001 pose no potential unacceptable risks to human health under the residential land use scenario and pose no potential risk to ecological receptors. Accordingly, the sites were recommended for corrective action complete without controls in the Phase II IR. A subsequent September 2012 evaluation of potential vapor intrusion for a residential scenario concluded that vapor intrusion by contaminants did not appreciably alter the risks at any of the five sites.

NMED hereby issues Certificates of Completion without controls for SWMUs 45-001, 45-002, 45-003, 45-004 and AOC C-45-001 pursuant to section VII.E.6.b of the Consent Order.

If, in the future, any additional information becomes available that indicates the sites may pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action at the sites.

Please contact Daniel Comeau at (505) 476-6043, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2012 LANL, Certificates of Completion for SWMU 45-001, SWMU 45-002, SWMU 45-003, SWMU 45-004 and AOC C-45-001 (HWB-LANL 08-036 and HWB-LANL-12-063)

ERID-522505

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EP2013-5097

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 7, 2013

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Jeffrey D. Mousseau
Associate Director
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P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATE OF COMPLETION
THREE SOLID WASTE MANAGEMENT UNITS [00-011(A), 00-011(D), 00-011(E)] IN GUAJE/BARRANCAS/RENDIJA CANYONS AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-039

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Three Solid Waste Management Units in the Guaje/Barrancas/Rendija Canyons Aggregate Area*, dated June 28, 2012 and referenced by EP2012-0155. The results of the investigations were summarized in the *Investigation Report for Guaje/Barrancas/Rendija Canyons Aggregate Area at technical Area 00, Revision 1* (IR) (dated November 2007 and referenced by LA-UR-07-7820/EP2007-0720).

SWMU 00-011(a) is a 28.5 acre former mortar impact area that is located on United States Forest Service (USFS) land approximately 0.4 miles east of the Sportsmen's club small arms firing range (SAFR) in Rendija Canyon. The site was used as a mortar impact area in 1940s.

The site is bisected east to west by Rendija Road. On the north side of the road, the site has a gradual to steep slope to the ephemeral Rendija Canyon stream channel. The slope is covered by downed trees that burned during the Cerro Grande fire in 2000. Currently, the site is fenced and posted with DOE "No Trespassing" signs. However, site is being used for recreational purposes by the public.

SWMU 00-011(d) is a former bazooka firing area located largely in Los Alamos County, except for a small section on private property. The area is in a small north-trending tributary of Bayo Canyon northeast of the intersection of San Ildefonso Road and Diamond Drive. The area is comprised of approximately 5 acres and was used as a target area for 2.36-in. bazooka rounds in the mid-1940s.

SWMU 00-011(e) is a former ammunition impact area located on USFS land in a tributary of Rendija Canyon north-northeast of the Sportsmen's Club SAFR. The area extends north along the tributary to the top of a cliff face. The area is roughly rectangular and consists of approximately 14 acres and was used as an ammunition impact area in the mid-1940s. The site is fenced with barbwire and posted with "Explosives No Trespassing" signs.

The IR recommended that the sites be granted corrective action complete without controls because they do not pose a threat to human health and the environment under the residential land use scenario. NMED issued an Approval with Directions (AWD) for the IR on December 20, 2007. The AWD directed the Permittees to conduct biennial visual surveys at these sites and to remove any munitions and explosives of concern (MEC) or munitions debris (MD) found during the surveys. In addition, the Permittees were directed to conduct storm water monitoring at these sites and implement institutional controls such as posting warning signs.

NMED received a letter from DOE Los Alamos Field Office on February 19, 2013. The letter states that based on discussions between DOE, NMED, and Los Alamos County (LAC), the DOE requests that these sites now be considered for corrective action complete with controls status. Request was made to expedite the transfer of Rendija Canyon tracts (Tract A-14a, -14c, and -14d) to LAC. The controls proposed by DOE and approved by NMED are:

- Conduct one additional biennial survey in December 2013;
- Install a kiosk sign at the entrance to Rendija Canyon that describes the history of the site and identifies the types of potential ordnance and associated debris that may be encountered, safety precautions and contact information, if ordnance encountered;
- Install signage within the Rendija parcel to guide and communicate safety practices to visitors;
- Conduct explosive and unexploded ordnance awareness training to LAC officials.

DOE also proposed to conduct one additional biennial survey in December 2013. Given the uncertainty associated with MEC/MD surveys NMED does not concur with this proposal.

However, the frequency may be reduced from biennial to triennial surveys after conducting the next biennial survey in 2013.

NMED approves the above-mentioned controls and hereby issues these Certificates of Completion with Controls for SWMUs 00-011(a), 00-011(d), and 00-011(e). These controls must be implemented and the documentation submitted to NMED by September 30, 2013. In addition, these sites must be monitored under the National Pollutant Discharge Elimination System individual stormwater permit. DOE indicated (July 13, 2012) that LAC intends to use the property for recreational purposes only and construction activities are not planned for the site. Land use controls must also be maintained.

If new information becomes available that indicates that the site may pose a risk to human health or the environment, NMED may require additional corrective action at these sites. Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc: T. Skibitski, NMED RPD
D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2012 LANL, Certificates of Completion for SWMUs 00-001(a), 00-001(d), and 00-001(e) in Guaje/Barrancas/Rendija Canyons AA Sites (LANL 12-039)

ERID-523159

NEW MEXICO ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us

EP2013-5156

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 31, 2013

Pete Maggiore
Assistant Manager
Environmental Projects Office
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Jeffrey D. Mousseau
Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATES OF COMPLETION
ONE SOLID WASTE MANAGEMENT UNIT AND TWO AREAS OF CONCERN
IN THE LOWER SANDIA CANYON AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-12-020

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for One Solid Waste Management Unit and Two Areas of Concern in the Lower Sandia Canyon Aggregate Area*, dated March 21, 2012 and referenced by EP2012-0081.

Solid waste management unit (SWMU) 53-001(b), area of concern (AOC) 53-013, and AOC 53-014 were recommended for corrective action complete without controls in the *Investigation Report for Lower Sandia Canyon Aggregate Area Revision 1* (LA-UR-11-4795/EP2011-0261). NMED approved the Report on September 26, 2011.

SWMU 53-001(b) is an outdoor storage area located on a concrete pad on the south side of building 53-2 at technical area (TA) 53. The site was used to store drums containing product and waste associated with maintenance activities conducted at building 53-2. The storage area was constructed in 1971. The area was also used as a less than 90-day storage area that was taken out of service in 1998. Investigations were conducted in 1995 and 2010. Based on the results of the risk screening assessments, no potential unacceptable risk from residual contamination exists for the industrial, construction worker, and residential scenarios. The ecological risk screening assessment results also indicate that the site does not pose any unacceptable risk to environmental receptors.

AOC 53-013 is a lead spill site located near the east end of TA-53, northeast of buildings 53-10 and 53-315. Lead shot was present within two fenced areas used for storage and the staging of equipment used in experiments. Lead shot was used as radiation shielding for experiments conducted in building 53-10. The dates when shot was spilled on the ground are not known, but possibly date back to the late 1960s or early 1970s. Investigations were conducted in 1995 and 2010. Based on the results of the risk screening assessments, no potential unacceptable risk from residual contamination exists for the industrial, construction worker, and residential scenarios. The ecological risk screening assessment results also indicate that the site does not pose any unacceptable risk to environmental receptors.

AOC 53-014 is a lead spill site that is located at a paved storage area in TA-53 west of building 53-18. Lead shot was spilled on the paved surface and stormwater subsequently washed lead into an asphalt-lined channel that joins the drainage below NPDES outfall (03A113). A voluntary corrective action was conducted in 1997 to remove the lead shot from the paved area, the asphalt channel, and the drainage. The sediment was sieved to remove lead and confirmatory samples were collected. The results of the sediment samples collected at the site indicated that detected lead concentrations were below the NMED soil screening levels. The site does not pose any potential unacceptable risk for the industrial, construction worker, and residential scenarios. The ecological risk screening assessment results also indicate that the site does not pose any unacceptable risk to environmental receptors.

The Permittees have demonstrated that these sites are eligible for corrective action complete without controls. NMED hereby issues Certificates of Completion for SWMU 53-001(b), AOC 53-013, and AOC 53-014 pursuant to section VII.E.6.b of the Consent Order.

Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

for

John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
R. Massey, DOE LASO, MS A316
K. Rich, EP-CAP, MS M992

File: 2013 LANL, Certificates of Completion for Lower Sandia Canyon AA Sites (LANL 12-020)

COR-EP-10.2.2013-539600

ERID-523693

NEW MEXICO ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

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EP2013-5206

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 27, 2013

Pete Maggiore
Assistant Manager
Environmental Projects Office
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Jeffrey D. Mousseau
Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

RE: CERTIFICATES OF COMPLETION
ONE SOLID WASTE MANAGEMENT UNIT AND ONE AREA OF CONCERN
MIDDLE MORTANDAD/TEN SITE AGGREGATE AREA
EPA ID #NM0890010515
HWB-LANL-11-068

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Request for Certificates of Completion for Twenty-Seven Solid Waste Management Units and Ten Areas of Concern in the Middle Mortandad/Ten Site Aggregate Area* (Request), dated August 31, 2012 and referenced by EP2011-0297.

Twenty-seven solid waste management units (SWMUs) and ten areas of concern (AOCs) were recommended for corrective action complete in the *Investigation Report for the Middle Mortandad/Ten Site Aggregate Area, Revision 2* (Report), dated February 2008 (LA-UR-08-0336/EP2008-0035). NMED issued an Approval with Direction (AWD) for the Report on April 1, 2008. At a meeting held on August 26, 2013, the Permittees requested expedited review of

AOC 35-014(e2) and SWMU 35-016(i) that were included in the Request.

To protect the surface waters from potential adverse impacts from stormwater discharges from the sites, all of these thirty-seven sites are required to be monitored under the Permittees' National Pollutant Discharge Elimination System (NPDES) individual permit. In addition, ten of these sites including AOC 35-014(e2) and SWMU 35-016(i) were identified as high priority sites in the NPDES Permit (Part 1, Section E.4.(a)). The NPDES Permit (dated November 1, 2010) requires that at these ten sites, corrective action must be completed within three years of the effective date of the permit. The sites may qualify for corrective action complete without controls after data collected from these sites demonstrates compliance with the NPDES Permit. At this time these sites do not qualify for corrective action complete without controls because data has not yet been acquired to demonstrate that surface water quality standards have been met. NMED hereby issues certificates of completion with controls for the following sites pursuant to Section VII.E.6.b of the Consent Order.

AOC 35-014(e2) is the site of a former oil spill that originated from overflows of a waste-oil impoundment. The site is located about 150 ft northeast of TA-35-85. The impoundment was decommissioned in 1989. The documented releases for the site consist of oil spills from the impoundment. Soil samples from oil-stained areas showed detectable concentrations of polychlorinated biphenyls (PCBs). The site was included in the investigation of CU 35-016(i)-00. Investigations conducted during 2004 indicate that there are no potential unacceptable risks or doses from the residual contamination for the recreational and residential land use scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

The Permittees must institute and maintain the control at the site of monitoring storm water discharge for potential off-site transport of residual contamination. This is currently mandated by the NPDES Permit. AOC 35-014(e2) is listed as a high priority site on the NPDES Permit.

SWMU 35-016(i) is an active surface discharge channel that handles storm water runoff from the area between the east end of TA-35-85 and the main parking lot for TA-35. The outfall is a corrugated metal pipe 18 in. in diameter. Discharge from the outfall has eroded a small channel in the mesa slope approximately three feet below the outfall and into the tuff bedrock. The site was included in the investigation of CU 35-016(i)-00. Investigations conducted during 2004 indicate that there are no potential unacceptable risks or doses from the residual contamination for the recreational and residential land use scenarios. The results of the ecological risk-screening assessment indicate no potential unacceptable risk to ecological receptors at the site.

The Permittees must institute and maintain the control at the site of monitoring storm water discharge for potential off-site transport of residual contamination. This is currently required by the NPDES Permit. SWMU 35-016(i) is listed as a high priority site on the NPDES Permit.

If new information becomes available that indicates that any of these sites pose a risk to human health or the environment, NMED may require the Permittees to conduct additional corrective action. Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
T. Skibitski, NMED DOE OB
L. King, EPA 6PD-N
C. Rodriguez, DOE LASO, MS A316
T. Haagenstad, EP-CAP, MS M992

File: 2013 LANL, Certificates of Completion for MM/TS AA Sites (LANL 11-068)

Attachment 2

Supporting Documentation for Analysis of
Polychlorinated Biphenyl Congeners Using
U.S. Environmental Protection Agency Method 1668

Polychlorinated Biphenyl Congeners Certificate of Analysis Sample Summary

Sample Date	SDG Number Chain of Custody	Site Monitoring Area	Client ID Sample ID
07/07/14	2014-3787	S-SMA-1.1	WT_IPC-14-56017
07/07/14	2014-3787	S-SMA-3.53	WT_IPC-14-56117
07/08/14	2014-3805	CDV-SMA-2.41	WT_IPC-14-81180
07/15/14	2014-4014	S-SMA-0.25	WT_IPC-14-85010
07/23/14	2014-4028	CHQ-SMA-0.5	WT_IPC-14-55967
07/29/14	2014-4225	S-SMA-1.1	WT_IPC-14-56018
07/29/14	2014-4225	LA-SMA-1	WT_IPC-14-56019
07/29/14	2014-4262	LA-SMA-5.52	WT_IPC-14-56032
08/22/14	2014-4513	S-SMA-0.25	WT_IPC-14-85011

Blank Population Summary

Date Range	Associated Chains of Custody
07/01/2014 to 07/31/2014	2014-3787
08/01/2014 to 08/31/2014	2014-3805, 4014, 4028, 4225, 4262
09/01/2014 to 09/30/2014	2014-4513

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 06:42**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1		119	118	pg/L	21.4
2051-61-8	PCB-2	U	21.4	21.4	pg/L	21.4
2051-62-9	PCB-3	U	21.4	21.4	pg/L	21.4
13029-08-8	PCB-4		119	108	pg/L	21.4
16605-91-7	PCB-5	U	21.4	21.4	pg/L	21.4
25569-80-6	PCB-6	U	21.4	21.4	pg/L	21.4
33284-50-3	PCB-7	U	21.4	21.4	pg/L	21.4
34883-43-7	PCB-8	U	21.4	21.4	pg/L	21.4
34883-39-1	PCB-9	U	21.4	21.4	pg/L	21.4
33146-45-1	PCB-10	U	21.4	21.4	pg/L	21.4
2050-67-1	PCB-11		64.0	54	pg/L	21.4
PCB-12/13	PCB-13/12	CU	42.9	42.9	pg/L	42.9
34883-41-5	PCB-14	U	21.4	21.4	pg/L	21.4
2050-68-2	PCB-15	U	21.4	21.4	pg/L	21.4
38444-78-9	PCB-16	U	21.4	21.4	pg/L	21.4
37680-66-3	PCB-17	U	21.4	21.4	pg/L	21.4
PCB-18/30	PCB-18/30	CU	42.9	42.9	pg/L	42.9
38444-73-4	PCB-19	U	21.4	21.4	pg/L	21.4
PCB-20/28	PCB-20/28	CU	42.9	42.9	pg/L	42.9
PCB-21/33	PCB-21/33	CU	42.9	42.9	pg/L	42.9
38444-85-8	PCB-22	U	21.4	21.4	pg/L	21.4
55720-44-0	PCB-23	U	21.4	21.4	pg/L	21.4
55702-45-9	PCB-24	U	21.4	21.4	pg/L	21.4
55712-37-3	PCB-25	U	21.4	21.4	pg/L	21.4
PCB-26/29	PCB-26/29	CU	42.9	42.9	pg/L	42.9
38444-76-7	PCB-27	U	21.4	21.4	pg/L	21.4
16606-02-3	PCB-31	U	21.4	21.4	pg/L	21.4
38444-77-8	PCB-32	U	21.4	21.4	pg/L	21.4
37680-68-5	PCB-34	U	21.4	21.4	pg/L	21.4
37680-69-6	PCB-35	U	21.4	21.4	pg/L	21.4
38444-87-0	PCB-36	U	21.4	21.4	pg/L	21.4
38444-90-5	PCB-37	U	21.4	21.4	pg/L	21.4

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 06:42**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.4	21.4	pg/L	21.4
38444-88-1	PCB-39	U	21.4	21.4	pg/L	21.4
PCB-40/71	PCB-40/71	CU	43.7	42.9	pg/L	42.9
52663-59-9	PCB-41	U	21.4	21.4	pg/L	21.4
36559-22-5	PCB-42		26.0	24.1	pg/L	21.4
70362-46-8	PCB-43	U	21.4	21.4	pg/L	21.4
PCB-44/47/65	PCB-44/65/47	C	225	223	pg/L	64.3
PCB-45/51	PCB-45/51	CU	42.9	42.9	pg/L	42.9
41464-47-5	PCB-46	U	21.4	21.4	pg/L	21.4
70362-47-9	PCB-48	U	21.4	21.4	pg/L	21.4
PCB-49/69	PCB-69/49	C	98.9	97.4	pg/L	42.9
PCB-50/53	PCB-50/53	CU	42.9	42.9	pg/L	42.9
35693-99-3	PCB-52		501	500	pg/L	21.4
15968-05-5	PCB-54	U	21.4	21.4	pg/L	21.4
74338-24-2	PCB-55	U	21.4	21.4	pg/L	21.4
41464-43-1	PCB-56		64.4	63	pg/L	21.4
70424-67-8	PCB-57	U	21.4	21.4	pg/L	21.4
41464-49-7	PCB-58	U	21.4	21.4	pg/L	21.4
PCB-59/62/75	PCB-59/62/75	CU	64.3	64.3	pg/L	64.3
33025-41-1	PCB-60		28.5	27.2	pg/L	21.4
PCB-61-76	PCB-61/76/70/74	C	469	468	pg/L	85.8
74472-34-7	PCB-63	U	21.4	21.4	pg/L	21.4
52663-58-8	PCB-64		78.7	77.3	pg/L	21.4
32598-10-0	PCB-66		114	113	pg/L	21.4
73575-53-8	PCB-67	U	21.4	21.4	pg/L	21.4
73575-52-7	PCB-68	U	21.4	21.4	pg/L	21.4
41464-42-0	PCB-72	U	21.4	21.4	pg/L	21.4
74338-23-1	PCB-73	U	21.4	21.4	pg/L	21.4
32598-13-3	PCB-77		28.7	27.2	pg/L	21.4
70362-49-1	PCB-78	U	21.4	21.4	pg/L	21.4
41464-48-6	PCB-79	U	21.4	21.4	pg/L	21.4
33284-52-5	PCB-80	U	21.4	21.4	pg/L	21.4

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
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Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.4	21.4	pg/L	21.4
52663-62-4	PCB-82		142	140	pg/L	21.4
60145-20-2	PCB-83		69.5	67.5	pg/L	21.4
52663-60-2	PCB-84		373	371	pg/L	21.4
PCB-85-117	PCB-117/116/85	C	223	221	pg/L	64.3
PCB-86-125	PCB-86/87/97/109/119/125	C	930	928	pg/L	129
PCB-88/91	PCB-88/91	C	154	153	pg/L	42.9
73575-57-2	PCB-89	U	21.4	21.4	pg/L	21.4
PCB-90-113	PCB-113/90/101	C	1290	1290	pg/L	64.3
52663-61-3	PCB-92		225	223	pg/L	21.4
PCB-93/100	PCB-93/100	CU	42.9	42.9	pg/L	42.9
73575-55-0	PCB-94	U	21.4	21.4	pg/L	21.4
38379-99-6	PCB-95		1120	1120	pg/L	21.4
73575-54-9	PCB-96	U	21.4	21.4	pg/L	21.4
PCB-98/102	PCB-102/98	CU	42.9	42.9	pg/L	42.9
38380-01-7	PCB-99		412	410	pg/L	21.4
60145-21-3	PCB-103	U	21.4	21.4	pg/L	21.4
56558-16-8	PCB-104	U	21.4	21.4	pg/L	21.4
32598-14-4	PCB-105		492	490	pg/L	21.4
70424-69-0	PCB-106	U	21.4	21.4	pg/L	21.4
70424-68-9	PCB-107		56.7	55.2	pg/L	21.4
PCB-108/124	PCB-108/124	C	44.9	43.2	pg/L	42.9
PCB-110/115	PCB-110/115	C	1870	1860	pg/L	42.9
39635-32-0	PCB-111	U	21.4	21.4	pg/L	21.4
74472-36-9	PCB-112	U	21.4	21.4	pg/L	21.4
74472-37-0	PCB-114	U	21.4	21.4	pg/L	21.4
31508-00-6	PCB-118		1190	1180	pg/L	21.4
68194-12-7	PCB-120	U	21.4	21.4	pg/L	21.4
56558-18-0	PCB-121	U	21.4	21.4	pg/L	21.4
76842-07-4	PCB-122	U	21.4	21.4	pg/L	21.4
65510-44-3	PCB-123	U	21.4	21.4	pg/L	21.4
57465-28-8	PCB-126	U	21.4	21.4	pg/L	21.4

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 06:42**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.4	21.4	pg/L	21.4
PCB-128/166	PCB-128/166	C	259	257	pg/L	42.9
PCB-129-163	PCB-138/163/129	C	1540	1540	pg/L	64.3
52663-66-8	PCB-130		89.3	87.5	pg/L	21.4
61798-70-7	PCB-131	U	23.1	21.4	pg/L	21.4
38380-05-1	PCB-132		570	568	pg/L	21.4
35694-04-3	PCB-133	U	21.4	21.4	pg/L	21.4
52704-70-8	PCB-134		67.3	65.1	pg/L	21.4
PCB-135/151	PCB-151/135	C	368	367	pg/L	42.9
38411-22-2	PCB-136		150	149	pg/L	21.4
35694-06-5	PCB-137		70.8	69.1	pg/L	21.4
PCB-139/140	PCB-139/140	CU	42.9	42.9	pg/L	42.9
52712-04-6	PCB-141		248	246	pg/L	21.4
41411-61-4	PCB-142	U	21.4	21.4	pg/L	21.4
68194-15-0	PCB-143	U	21.4	21.4	pg/L	21.4
68194-14-9	PCB-144		49.1	47.9	pg/L	21.4
74472-40-5	PCB-145	U	21.4	21.4	pg/L	21.4
51908-16-8	PCB-146		146	144	pg/L	21.4
PCB-147/149	PCB-147/149	C	1010	1010	pg/L	42.9
74472-41-6	PCB-148	U	21.4	21.4	pg/L	21.4
68194-08-1	PCB-150	U	21.4	21.4	pg/L	21.4
68194-09-2	PCB-152	U	21.4	21.4	pg/L	21.4
PCB-153/168	PCB-153/168	C	891	890	pg/L	42.9
60145-22-4	PCB-154	U	21.4	21.4	pg/L	21.4
33979-03-2	PCB-155	U	21.4	21.4	pg/L	21.4
PCB-156/157	PCB-156/157	C	224	222	pg/L	42.9
74472-42-7	PCB-158		160	159	pg/L	21.4
39635-35-3	PCB-159	U	21.4	21.4	pg/L	21.4
41411-62-5	PCB-160	U	21.4	21.4	pg/L	21.4
74472-43-8	PCB-161	U	21.4	21.4	pg/L	21.4
39635-34-2	PCB-162	U	21.4	21.4	pg/L	21.4
74472-45-0	PCB-164		107	106	pg/L	21.4

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 06:42**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.4	21.4	pg/L	21.4
52663-72-6	PCB-167		72.4	71.2	pg/L	21.4
32774-16-6	PCB-169	U	21.4	21.4	pg/L	21.4
35065-30-6	PCB-170		271	270	pg/L	21.4
PCB-171/173	PCB-173/171	C	82.8	81.5	pg/L	42.9
52663-74-8	PCB-172		44.7	43.3	pg/L	21.4
38411-25-5	PCB-174		264	262	pg/L	21.4
40186-70-7	PCB-175	U	21.4	21.4	pg/L	21.4
52663-65-7	PCB-176		24.8	24	pg/L	21.4
52663-70-4	PCB-177		143	141	pg/L	21.4
52663-67-9	PCB-178		39.9	38.7	pg/L	21.4
52663-64-6	PCB-179		78.8	78	pg/L	21.4
PCB-180/193	PCB-193/180	CU	42.9	42.9	pg/L	42.9
74472-47-2	PCB-181	U	21.4	21.4	pg/L	21.4
60145-23-5	PCB-182	U	21.4	21.4	pg/L	21.4
PCB-183/185	PCB-183/185	C	141	140	pg/L	42.9
74472-48-3	PCB-184	U	21.4	21.4	pg/L	21.4
74472-49-4	PCB-186	U	21.4	21.4	pg/L	21.4
52663-68-0	PCB-187		255	254	pg/L	21.4
74487-85-7	PCB-188	U	21.4	21.4	pg/L	21.4
39635-31-9	PCB-189	U	21.4	21.4	pg/L	21.4
41411-64-7	PCB-190		45.7	44.7	pg/L	21.4
74472-50-7	PCB-191	U	21.4	21.4	pg/L	21.4
74472-51-8	PCB-192	U	21.4	21.4	pg/L	21.4
35694-08-7	PCB-194		80.6	79.4	pg/L	21.4
52663-78-2	PCB-195		33.8	32.7	pg/L	21.4
42740-50-1	PCB-196		41.9	40.9	pg/L	21.4
PCB-197/200	PCB-197/200	CU	42.9	42.9	pg/L	42.9
PCB-198/199	PCB-198/199	C	91.3	90	pg/L	42.9
40186-71-8	PCB-201	U	21.4	21.4	pg/L	21.4
2136-99-4	PCB-202	U	21.4	21.4	pg/L	21.4
52663-76-0	PCB-203		56.1	55	pg/L	21.4

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 06:42**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.4	21.4	pg/L	21.4
74472-53-0	PCB-205	U	21.4	21.4	pg/L	21.4
40186-72-9	PCB-206		23.5	21.9	pg/L	21.4
52663-79-3	PCB-207	U	21.4	21.4	pg/L	21.4
52663-77-1	PCB-208	U	21.4	21.4	pg/L	21.4
2051-24-3	PCB-209	U	21.4	21.4	pg/L	21.4
27323-18-8	Total Mono PCBs		119	118	pg/L	
25512-42-9	Total Di PCBs		183	162	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		1680	1620	pg/L	
25429-29-2	Total Penta PCBs		8580	8550	pg/L	
26601-64-9	Total Hexa PCBs		6050	6000	pg/L	
28655-71-2	Total Hepta PCBs		1390	1380	pg/L	
55722-26-4	Total Octa PCBs		304	298	pg/L	
53742-07-7	Total Nona PCBs		23.5	21.9	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		18300	18200	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1140	2140	pg/L	53.0	(15%-150%)
13C-3-MoCB		1280	2140	pg/L	59.8	(15%-150%)
13C-4-DiCB		1320	2140	pg/L	61.6	(25%-150%)
13C-15-DiCB		1550	2140	pg/L	72.3	(25%-150%)
13C-19-TrCB		1490	2140	pg/L	69.5	(25%-150%)
13C-37-TrCB		1680	2140	pg/L	78.3	(25%-150%)
13C-54-TeCB		1440	2140	pg/L	67.2	(25%-150%)
13C-77-TeCB		2010	2140	pg/L	93.8	(25%-150%)
13C-81-TeCB		2070	2140	pg/L	96.4	(25%-150%)
13C-104-PeCB		1350	2140	pg/L	63.1	(25%-150%)
13C-105-PeCB		1770	2140	pg/L	82.4	(25%-150%)
13C-114-PeCB		1710	2140	pg/L	79.7	(25%-150%)
13C-118-PeCB		1700	2140	pg/L	79.4	(25%-150%)
13C-123-PeCB		1860	2140	pg/L	86.6	(25%-150%)
13C-126-PeCB		1910	2140	pg/L	88.9	(25%-150%)
13C-155-HxCB		1500	2140	pg/L	69.9	(25%-150%)
13C-156-HxCB	C	3340	4290	pg/L	77.9	(25%-150%)
13C-167-HxCB		1660	2140	pg/L	77.4	(25%-150%)
13C-169-HxCB		1880	2140	pg/L	87.9	(25%-150%)
13C-188-HpCB		1530	2140	pg/L	71.2	(25%-150%)
13C-189-HpCB		1670	2140	pg/L	77.8	(25%-150%)
13C-202-OcCB		1750	2140	pg/L	81.8	(25%-150%)
13C-205-OcCB		1970	2140	pg/L	92.1	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344001**	**Date Collected:**	**07/07/2014 15:26**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56017**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 06:42**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-6**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**932.8 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		2020	2140	pg/L	94.3	(25%-150%)
13C-208-NoCB		2000	2140	pg/L	93.4	(25%-150%)
13C-209-DeCB		1980	2140	pg/L	92.5	(25%-150%)
13C-28-TrCB		1720	2140	pg/L	80.2	(30%-135%)
13C-111-PeCB		1870	2140	pg/L	87.3	(30%-135%)
13C-178-HpCB		1990	2140	pg/L	92.6	(30%-135%)

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1		40.4	39.4	pg/L	28.1
2051-61-8	PCB-2	U	28.1	28.1	pg/L	28.1
2051-62-9	PCB-3	U	28.1	28.1	pg/L	28.1
13029-08-8	PCB-4		77.1	66.2	pg/L	28.1
16605-91-7	PCB-5	U	28.1	28.1	pg/L	28.1
25569-80-6	PCB-6	U	28.1	28.1	pg/L	28.1
33284-50-3	PCB-7	U	28.1	28.1	pg/L	28.1
34883-43-7	PCB-8	U	28.1	28.1	pg/L	28.1
34883-39-1	PCB-9	U	28.1	28.1	pg/L	28.1
33146-45-1	PCB-10	U	28.1	28.1	pg/L	28.1
2050-67-1	PCB-11		131	121	pg/L	28.1
PCB-12/13	PCB-13/12	CU	56.2	56.2	pg/L	56.2
34883-41-5	PCB-14	U	28.1	28.1	pg/L	28.1
2050-68-2	PCB-15	U	28.1	28.1	pg/L	28.1
38444-78-9	PCB-16	U	28.1	28.1	pg/L	28.1
37680-66-3	PCB-17	U	28.1	28.1	pg/L	28.1
PCB-18/30	PCB-18/30	CU	56.2	56.2	pg/L	56.2
38444-73-4	PCB-19	U	28.1	28.1	pg/L	28.1
PCB-20/28	PCB-20/28	CU	56.2	56.2	pg/L	56.2
PCB-21/33	PCB-21/33	CU	56.2	56.2	pg/L	56.2
38444-85-8	PCB-22	U	28.1	28.1	pg/L	28.1
55720-44-0	PCB-23	U	28.1	28.1	pg/L	28.1
55702-45-9	PCB-24	U	28.1	28.1	pg/L	28.1
55712-37-3	PCB-25	U	28.1	28.1	pg/L	28.1
PCB-26/29	PCB-26/29	CU	56.2	56.2	pg/L	56.2
38444-76-7	PCB-27	U	28.1	28.1	pg/L	28.1
16606-02-3	PCB-31		38.9	37.9	pg/L	28.1
38444-77-8	PCB-32	U	28.1	28.1	pg/L	28.1
37680-68-5	PCB-34	U	28.1	28.1	pg/L	28.1
37680-69-6	PCB-35	U	28.1	28.1	pg/L	28.1
38444-87-0	PCB-36	U	28.1	28.1	pg/L	28.1
38444-90-5	PCB-37		32.0	30.8	pg/L	28.1

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	28.1	28.1	pg/L	28.1
38444-88-1	PCB-39	U	28.1	28.1	pg/L	28.1
PCB-40/71	PCB-40/71	C	83.1	81.4	pg/L	56.2
52663-59-9	PCB-41	U	28.1	28.1	pg/L	28.1
36559-22-5	PCB-42		62.6	60.7	pg/L	28.1
70362-46-8	PCB-43	U	28.1	28.1	pg/L	28.1
PCB-44/47/65	PCB-44/65/47	C	527	525	pg/L	84.3
PCB-45/51	PCB-45/51	CU	56.2	56.2	pg/L	56.2
41464-47-5	PCB-46	U	28.1	28.1	pg/L	28.1
70362-47-9	PCB-48	U	28.1	28.1	pg/L	28.1
PCB-49/69	PCB-69/49	C	309	307	pg/L	56.2
PCB-50/53	PCB-50/53	CU	56.2	56.2	pg/L	56.2
35693-99-3	PCB-52		1190	1190	pg/L	28.1
15968-05-5	PCB-54	U	28.1	28.1	pg/L	28.1
74338-24-2	PCB-55	U	28.1	28.1	pg/L	28.1
41464-43-1	PCB-56		146	144	pg/L	28.1
70424-67-8	PCB-57	U	28.1	28.1	pg/L	28.1
41464-49-7	PCB-58	U	28.1	28.1	pg/L	28.1
PCB-59/62/75	PCB-59/62/75	CU	84.3	84.3	pg/L	84.3
33025-41-1	PCB-60		32.7	31.4	pg/L	28.1
PCB-61-76	PCB-61/76/70/74	C	1250	1250	pg/L	112
74472-34-7	PCB-63	U	28.1	28.1	pg/L	28.1
52663-58-8	PCB-64		120	119	pg/L	28.1
32598-10-0	PCB-66		311	310	pg/L	28.1
73575-53-8	PCB-67	U	28.1	28.1	pg/L	28.1
73575-52-7	PCB-68	U	28.1	28.1	pg/L	28.1
41464-42-0	PCB-72	U	28.1	28.1	pg/L	28.1
74338-23-1	PCB-73	U	28.1	28.1	pg/L	28.1
32598-13-3	PCB-77		239	238	pg/L	28.1
70362-49-1	PCB-78	U	28.1	28.1	pg/L	28.1
41464-48-6	PCB-79	U	28.1	28.1	pg/L	28.1
33284-52-5	PCB-80	U	28.1	28.1	pg/L	28.1

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	28.1	28.1	pg/L	28.1
52663-62-4	PCB-82		591	589	pg/L	28.1
60145-20-2	PCB-83		416	414	pg/L	28.1
52663-60-2	PCB-84		1110	1100	pg/L	28.1
PCB-85-117	PCB-117/116/85	C	1360	1360	pg/L	84.3
PCB-86-125	PCB-86/87/97/109/119/125	C	4290	4290	pg/L	169
PCB-88/91	PCB-88/91	CU	56.2	56.2	pg/L	56.2
73575-57-2	PCB-89	U	28.1	28.1	pg/L	28.1
PCB-90-113	PCB-113/90/101	C	6630	6630	pg/L	84.3
52663-61-3	PCB-92		1200	1200	pg/L	28.1
PCB-93/100	PCB-93/100	CU	56.2	56.2	pg/L	56.2
73575-55-0	PCB-94	U	28.1	28.1	pg/L	28.1
38379-99-6	PCB-95		4240	4240	pg/L	28.1
73575-54-9	PCB-96	U	28.1	28.1	pg/L	28.1
PCB-98/102	PCB-102/98	C	97.1	95.1	pg/L	56.2
38380-01-7	PCB-99		2330	2330	pg/L	28.1
60145-21-3	PCB-103	U	28.1	28.1	pg/L	28.1
56558-16-8	PCB-104	U	28.1	28.1	pg/L	28.1
32598-14-4	PCB-105		2410	2400	pg/L	28.1
70424-69-0	PCB-106	U	28.1	28.1	pg/L	28.1
70424-68-9	PCB-107		333	332	pg/L	28.1
PCB-108/124	PCB-108/124	C	284	282	pg/L	56.2
PCB-110/115	PCB-110/115	C	8200	8200	pg/L	56.2
39635-32-0	PCB-111	U	28.1	28.1	pg/L	28.1
74472-36-9	PCB-112	U	28.1	28.1	pg/L	28.1
74472-37-0	PCB-114		45.5	43.5	pg/L	28.1
31508-00-6	PCB-118		5890	5890	pg/L	28.1
68194-12-7	PCB-120	U	28.1	28.1	pg/L	28.1
56558-18-0	PCB-121	U	28.1	28.1	pg/L	28.1
76842-07-4	PCB-122		55.7	53.9	pg/L	28.1
65510-44-3	PCB-123		72.0	70.2	pg/L	28.1
57465-28-8	PCB-126		81.7	79.6	pg/L	28.1

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	28.1	28.1	pg/L	28.1
PCB-128/166	PCB-128/166	C	1700	1700	pg/L	56.2
PCB-129-163	PCB-138/163/129	C	10700	10700	pg/L	84.3
52663-66-8	PCB-130		622	620	pg/L	28.1
61798-70-7	PCB-131		92.7	90.6	pg/L	28.1
38380-05-1	PCB-132		3190	3190	pg/L	28.1
35694-04-3	PCB-133		132	130	pg/L	28.1
52704-70-8	PCB-134		368	366	pg/L	28.1
PCB-135/151	PCB-151/135	C	2580	2580	pg/L	56.2
38411-22-2	PCB-136		779	779	pg/L	28.1
35694-06-5	PCB-137		431	429	pg/L	28.1
PCB-139/140	PCB-139/140	C	147	145	pg/L	56.2
52712-04-6	PCB-141		1590	1580	pg/L	28.1
41411-61-4	PCB-142	U	28.1	28.1	pg/L	28.1
68194-15-0	PCB-143	U	28.1	28.1	pg/L	28.1
68194-14-9	PCB-144		242	241	pg/L	28.1
74472-40-5	PCB-145	U	28.1	28.1	pg/L	28.1
51908-16-8	PCB-146		1170	1160	pg/L	28.1
PCB-147/149	PCB-147/149	C	6510	6510	pg/L	56.2
74472-41-6	PCB-148	U	28.1	28.1	pg/L	28.1
68194-08-1	PCB-150	U	28.1	28.1	pg/L	28.1
68194-09-2	PCB-152	U	28.1	28.1	pg/L	28.1
PCB-153/168	PCB-153/168	C	7270	7270	pg/L	56.2
60145-22-4	PCB-154		64.9	63.8	pg/L	28.1
33979-03-2	PCB-155	U	28.1	28.1	pg/L	28.1
PCB-156/157	PCB-156/157	C	1340	1340	pg/L	56.2
74472-42-7	PCB-158		873	871	pg/L	28.1
39635-35-3	PCB-159	U	28.1	28.1	pg/L	28.1
41411-62-5	PCB-160	U	28.1	28.1	pg/L	28.1
74472-43-8	PCB-161	U	28.1	28.1	pg/L	28.1
39635-34-2	PCB-162		79.5	78.4	pg/L	28.1
74472-45-0	PCB-164		700	698	pg/L	28.1

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	28.1	28.1	pg/L	28.1
52663-72-6	PCB-167		543	542	pg/L	28.1
32774-16-6	PCB-169	U	28.1	28.1	pg/L	28.1
35065-30-6	PCB-170		2080	2080	pg/L	28.1
PCB-171/173	PCB-173/171	C	515	514	pg/L	56.2
52663-74-8	PCB-172		365	363	pg/L	28.1
38411-25-5	PCB-174		2120	2110	pg/L	28.1
40186-70-7	PCB-175		51.6	50.4	pg/L	28.1
52663-65-7	PCB-176		157	156	pg/L	28.1
52663-70-4	PCB-177		1180	1180	pg/L	28.1
52663-67-9	PCB-178		365	364	pg/L	28.1
52663-64-6	PCB-179		633	632	pg/L	28.1
PCB-180/193	PCB-193/180	CU	56.2	56.2	pg/L	56.2
74472-47-2	PCB-181	U	28.1	28.1	pg/L	28.1
60145-23-5	PCB-182	U	28.1	28.1	pg/L	28.1
PCB-183/185	PCB-183/185	C	1090	1080	pg/L	56.2
74472-48-3	PCB-184	U	28.1	28.1	pg/L	28.1
74472-49-4	PCB-186	U	28.1	28.1	pg/L	28.1
52663-68-0	PCB-187		2210	2210	pg/L	28.1
74487-85-7	PCB-188	U	28.1	28.1	pg/L	28.1
39635-31-9	PCB-189		89.9	88.8	pg/L	28.1
41411-64-7	PCB-190		422	421	pg/L	28.1
74472-50-7	PCB-191		61.3	60.3	pg/L	28.1
74472-51-8	PCB-192	U	28.1	28.1	pg/L	28.1
35694-08-7	PCB-194		743	742	pg/L	28.1
52663-78-2	PCB-195		309	308	pg/L	28.1
42740-50-1	PCB-196		336	335	pg/L	28.1
PCB-197/200	PCB-197/200	CU	56.2	56.2	pg/L	56.2
PCB-198/199	PCB-198/199	C	860	858	pg/L	56.2
40186-71-8	PCB-201		61.2	60.4	pg/L	28.1
2136-99-4	PCB-202		145	144	pg/L	28.1
52663-76-0	PCB-203		509	507	pg/L	28.1

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	28.1	28.1	pg/L	28.1
74472-53-0	PCB-205		41.5	40.6	pg/L	28.1
40186-72-9	PCB-206		173	171	pg/L	28.1
52663-79-3	PCB-207	U	28.1	28.1	pg/L	28.1
52663-77-1	PCB-208		32.8	31.6	pg/L	28.1
2051-24-3	PCB-209	U	28.1	28.1	pg/L	28.1
27323-18-8	Total Mono PCBs		40.4	39.4	pg/L	
25512-42-9	Total Di PCBs		209	188	pg/L	
25323-68-6	Total Tri PCBs		70.9	68.7	pg/L	
26914-33-0	Total Tetra PCBs		4270	4260	pg/L	
25429-29-2	Total Penta PCBs		39600	39600	pg/L	
26601-64-9	Total Hexa PCBs		41100	41100	pg/L	
28655-71-2	Total Hepta PCBs		11300	11300	pg/L	
55722-26-4	Total Octa PCBs		3000	3000	pg/L	
53742-07-7	Total Nona PCBs		206	203	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		99800	99700	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1440	2810	pg/L	51.1	(15%-150%)
13C-3-MoCB		1600	2810	pg/L	57.1	(15%-150%)
13C-4-DiCB		1610	2810	pg/L	57.4	(25%-150%)
13C-15-DiCB		2060	2810	pg/L	73.5	(25%-150%)
13C-19-TrCB		1940	2810	pg/L	69.1	(25%-150%)
13C-37-TrCB		2220	2810	pg/L	79.1	(25%-150%)
13C-54-TeCB		1830	2810	pg/L	65.2	(25%-150%)
13C-77-TeCB		2760	2810	pg/L	98.2	(25%-150%)
13C-81-TeCB		2820	2810	pg/L	101	(25%-150%)
13C-104-PeCB		1710	2810	pg/L	60.9	(25%-150%)
13C-105-PeCB		2370	2810	pg/L	84.3	(25%-150%)
13C-114-PeCB		2230	2810	pg/L	79.4	(25%-150%)
13C-118-PeCB		2350	2810	pg/L	83.6	(25%-150%)
13C-123-PeCB		2510	2810	pg/L	89.4	(25%-150%)
13C-126-PeCB		2540	2810	pg/L	90.6	(25%-150%)
13C-155-HxCB		1890	2810	pg/L	67.3	(25%-150%)
13C-156-HxCB	C	4380	5620	pg/L	78.1	(25%-150%)
13C-167-HxCB		2170	2810	pg/L	77.3	(25%-150%)
13C-169-HxCB		2580	2810	pg/L	91.9	(25%-150%)
13C-188-HpCB		1880	2810	pg/L	67.0	(25%-150%)
13C-189-HpCB		2230	2810	pg/L	79.4	(25%-150%)
13C-202-OcCB		2180	2810	pg/L	77.6	(25%-150%)
13C-205-OcCB		2570	2810	pg/L	91.6	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3787**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6344002**	**Date Collected:**	**07/07/2014 15:02**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/15/2014 10:00**		
Client ID:	**WT_IPC-14-56117**			**Prep Basis:**	**As Received**
Batch ID:	**26452**	**Method:**	**EPA Method 1668A**		
Run Date:	**07/23/2014 07:47**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c22jul14b_2-7**			**Dilution:**	**1**
Prep Batch:	**26449**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**21-JUL-14**	**Prep Aliquot:**	**712.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		2630	2810	pg/L	93.7	(25%-150%)
13C-208-NoCB		2560	2810	pg/L	91.3	(25%-150%)
13C-209-DeCB		2560	2810	pg/L	91.2	(25%-150%)
13C-28-TrCB		2440	2810	pg/L	86.8	(30%-135%)
13C-111-PeCB		2680	2810	pg/L	95.5	(30%-135%)
13C-178-HpCB		2840	2810	pg/L	101	(30%-135%)

Comments:

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	23.6	23.6	pg/L	23.6
2051-61-8	PCB-2	U	23.6	23.6	pg/L	23.6
2051-62-9	PCB-3	U	23.6	23.6	pg/L	23.6
13029-08-8	PCB-4	U	23.6	23.6	pg/L	23.6
16605-91-7	PCB-5	U	23.6	23.6	pg/L	23.6
25569-80-6	PCB-6	U	23.6	23.6	pg/L	23.6
33284-50-3	PCB-7	U	23.6	23.6	pg/L	23.6
34883-43-7	PCB-8	U	23.6	23.6	pg/L	23.6
34883-39-1	PCB-9	U	23.6	23.6	pg/L	23.6
33146-45-1	PCB-10	U	23.6	23.6	pg/L	23.6
2050-67-1	PCB-11	B	38.0	28	pg/L	23.6
PCB-12/13	PCB-13/12	CU	47.2	47.2	pg/L	47.2
34883-41-5	PCB-14	U	23.6	23.6	pg/L	23.6
2050-68-2	PCB-15		98.8	88.5	pg/L	23.6
38444-78-9	PCB-16		32.1	30.3	pg/L	23.6
37680-66-3	PCB-17		43.2	41.6	pg/L	23.6
PCB-18/30	PCB-18/30	C	78.5	77.2	pg/L	47.2
38444-73-4	PCB-19	U	23.6	23.6	pg/L	23.6
PCB-20/28	PCB-20/28	C	263	262	pg/L	47.2
PCB-21/33	PCB-21/33	CU	47.2	47.2	pg/L	47.2
38444-85-8	PCB-22		85.0	83.9	pg/L	23.6
55720-44-0	PCB-23	U	23.6	23.6	pg/L	23.6
55702-45-9	PCB-24	U	23.6	23.6	pg/L	23.6
55712-37-3	PCB-25	U	23.6	23.6	pg/L	23.6
PCB-26/29	PCB-26/29	CU	47.2	47.2	pg/L	47.2
38444-76-7	PCB-27	U	23.6	23.6	pg/L	23.6
16606-02-3	PCB-31		144	144	pg/L	23.6
38444-77-8	PCB-32		40.3	39.3	pg/L	23.6
37680-68-5	PCB-34	U	23.6	23.6	pg/L	23.6
37680-69-6	PCB-35	U	23.6	23.6	pg/L	23.6
38444-87-0	PCB-36	U	23.6	23.6	pg/L	23.6
38444-90-5	PCB-37		143	142	pg/L	23.6

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	23.6	23.6	pg/L	23.6
38444-88-1	PCB-39	U	23.6	23.6	pg/L	23.6
PCB-40/71	PCB-40/71	C	104	102	pg/L	47.2
52663-59-9	PCB-41	U	23.6	23.6	pg/L	23.6
36559-22-5	PCB-42		74.3	72.3	pg/L	23.6
70362-46-8	PCB-43	U	23.6	23.6	pg/L	23.6
PCB-44/47/65	PCB-44/65/47	C	290	288	pg/L	70.8
PCB-45/51	PCB-45/51	CU	47.2	47.2	pg/L	47.2
41464-47-5	PCB-46	U	23.6	23.6	pg/L	23.6
70362-47-9	PCB-48		38.7	36.9	pg/L	23.6
PCB-49/69	PCB-69/49	C	184	182	pg/L	47.2
PCB-50/53	PCB-50/53	CU	47.2	47.2	pg/L	47.2
35693-99-3	PCB-52		281	280	pg/L	23.6
15968-05-5	PCB-54	U	23.6	23.6	pg/L	23.6
74338-24-2	PCB-55	U	23.6	23.6	pg/L	23.6
41464-43-1	PCB-56		211	210	pg/L	23.6
70424-67-8	PCB-57	U	23.6	23.6	pg/L	23.6
41464-49-7	PCB-58	U	23.6	23.6	pg/L	23.6
PCB-59/62/75	PCB-59/62/75	CU	70.8	70.8	pg/L	70.8
33025-41-1	PCB-60		105	104	pg/L	23.6
PCB-61-76	PCB-61/76/70/74	C	526	524	pg/L	94.3
74472-34-7	PCB-63	U	23.6	23.6	pg/L	23.6
52663-58-8	PCB-64		117	116	pg/L	23.6
32598-10-0	PCB-66		347	346	pg/L	23.6
73575-53-8	PCB-67	U	23.6	23.6	pg/L	23.6
73575-52-7	PCB-68	U	23.6	23.6	pg/L	23.6
41464-42-0	PCB-72	U	23.6	23.6	pg/L	23.6
74338-23-1	PCB-73	U	23.6	23.6	pg/L	23.6
32598-13-3	PCB-77		55.8	54.3	pg/L	23.6
70362-49-1	PCB-78	U	23.6	23.6	pg/L	23.6
41464-48-6	PCB-79	U	23.6	23.6	pg/L	23.6
33284-52-5	PCB-80	U	23.6	23.6	pg/L	23.6

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	23.6	23.6	pg/L	23.6
52663-62-4	PCB-82		49.5	47.4	pg/L	23.6
60145-20-2	PCB-83		29.8	27.8	pg/L	23.6
52663-60-2	PCB-84		79.6	77.5	pg/L	23.6
PCB-85-117	PCB-117/116/85	C	86.7	85.2	pg/L	70.8
PCB-86-125	PCB-86/87/97/109/119/125	CU	142	142	pg/L	142
PCB-88/91	PCB-88/91	C	50.8	49	pg/L	47.2
73575-57-2	PCB-89	U	23.6	23.6	pg/L	23.6
PCB-90-113	PCB-113/90/101	C	543	541	pg/L	70.8
52663-61-3	PCB-92		75.9	74.1	pg/L	23.6
PCB-93/100	PCB-93/100	CU	47.2	47.2	pg/L	47.2
73575-55-0	PCB-94	U	23.6	23.6	pg/L	23.6
38379-99-6	PCB-95		403	401	pg/L	23.6
73575-54-9	PCB-96	U	23.6	23.6	pg/L	23.6
PCB-98/102	PCB-102/98	CU	47.2	47.2	pg/L	47.2
38380-01-7	PCB-99		181	179	pg/L	23.6
60145-21-3	PCB-103	U	23.6	23.6	pg/L	23.6
56558-16-8	PCB-104	U	23.6	23.6	pg/L	23.6
32598-14-4	PCB-105		190	188	pg/L	23.6
70424-69-0	PCB-106	U	23.6	23.6	pg/L	23.6
70424-68-9	PCB-107	U	23.6	23.6	pg/L	23.6
PCB-108/124	PCB-108/124	CU	47.2	47.2	pg/L	47.2
PCB-110/115	PCB-110/115	C	547	546	pg/L	47.2
39635-32-0	PCB-111	U	23.6	23.6	pg/L	23.6
74472-36-9	PCB-112	U	23.6	23.6	pg/L	23.6
74472-37-0	PCB-114	U	23.6	23.6	pg/L	23.6
31508-00-6	PCB-118		316	314	pg/L	23.6
68194-12-7	PCB-120	U	23.6	23.6	pg/L	23.6
56558-18-0	PCB-121	U	23.6	23.6	pg/L	23.6
76842-07-4	PCB-122	U	23.6	23.6	pg/L	23.6
65510-44-3	PCB-123	U	23.6	23.6	pg/L	23.6
57465-28-8	PCB-126	U	23.6	23.6	pg/L	23.6

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	23.6	23.6	pg/L	23.6
PCB-128/166	PCB-128/166	C	104	103	pg/L	47.2
PCB-129-163	PCB-138/163/129	C	1720	1720	pg/L	70.8
52663-66-8	PCB-130		49.3	47.4	pg/L	23.6
61798-70-7	PCB-131	U	23.6	23.6	pg/L	23.6
38380-05-1	PCB-132		408	406	pg/L	23.6
35694-04-3	PCB-133	U	23.6	23.6	pg/L	23.6
52704-70-8	PCB-134		49.9	47.7	pg/L	23.6
PCB-135/151	PCB-151/135	C	745	743	pg/L	47.2
38411-22-2	PCB-136		231	230	pg/L	23.6
35694-06-5	PCB-137	U	23.6	23.6	pg/L	23.6
PCB-139/140	PCB-139/140	CU	47.2	47.2	pg/L	47.2
52712-04-6	PCB-141		428	426	pg/L	23.6
41411-61-4	PCB-142	U	23.6	23.6	pg/L	23.6
68194-15-0	PCB-143	U	23.6	23.6	pg/L	23.6
68194-14-9	PCB-144		71.7	70.5	pg/L	23.6
74472-40-5	PCB-145	U	23.6	23.6	pg/L	23.6
51908-16-8	PCB-146		206	204	pg/L	23.6
PCB-147/149	PCB-147/149	C	1410	1400	pg/L	47.2
74472-41-6	PCB-148	U	23.6	23.6	pg/L	23.6
68194-08-1	PCB-150	U	23.6	23.6	pg/L	23.6
68194-09-2	PCB-152	U	23.6	23.6	pg/L	23.6
PCB-153/168	PCB-153/168	C	2110	2110	pg/L	47.2
60145-22-4	PCB-154	U	23.6	23.6	pg/L	23.6
33979-03-2	PCB-155	U	23.6	23.6	pg/L	23.6
PCB-156/157	PCB-156/157	C	91.6	89.9	pg/L	47.2
74472-42-7	PCB-158		115	114	pg/L	23.6
39635-35-3	PCB-159	U	23.6	23.6	pg/L	23.6
41411-62-5	PCB-160	U	23.6	23.6	pg/L	23.6
74472-43-8	PCB-161	U	23.6	23.6	pg/L	23.6
39635-34-2	PCB-162	U	23.6	23.6	pg/L	23.6
74472-45-0	PCB-164		112	111	pg/L	23.6

Comments:

B The target analyte was detected in the associated blank.

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U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	23.6	23.6	pg/L	23.6
52663-72-6	PCB-167		38.9	37.7	pg/L	23.6
32774-16-6	PCB-169	U	23.6	23.6	pg/L	23.6
35065-30-6	PCB-170		922	921	pg/L	23.6
PCB-171/173	PCB-173/171	C	253	251	pg/L	47.2
52663-74-8	PCB-172		186	185	pg/L	23.6
38411-25-5	PCB-174		1450	1450	pg/L	23.6
40186-70-7	PCB-175		43.5	42.4	pg/L	23.6
52663-65-7	PCB-176		139	138	pg/L	23.6
52663-70-4	PCB-177		674	673	pg/L	23.6
52663-67-9	PCB-178		269	268	pg/L	23.6
52663-64-6	PCB-179		586	586	pg/L	23.6
PCB-180/193	PCB-193/180	CU	47.2	47.2	pg/L	47.2
74472-47-2	PCB-181	U	23.6	23.6	pg/L	23.6
60145-23-5	PCB-182	U	23.6	23.6	pg/L	23.6
PCB-183/185	PCB-183/185	C	856	855	pg/L	47.2
74472-48-3	PCB-184	U	23.6	23.6	pg/L	23.6
74472-49-4	PCB-186	U	23.6	23.6	pg/L	23.6
52663-68-0	PCB-187		1950	1940	pg/L	23.6
74487-85-7	PCB-188	U	23.6	23.6	pg/L	23.6
39635-31-9	PCB-189		27.6	26.5	pg/L	23.6
41411-64-7	PCB-190		228	227	pg/L	23.6
74472-50-7	PCB-191		35.2	34.2	pg/L	23.6
74472-51-8	PCB-192	U	23.6	23.6	pg/L	23.6
35694-08-7	PCB-194		931	930	pg/L	23.6
52663-78-2	PCB-195		354	353	pg/L	23.6
42740-50-1	PCB-196		457	456	pg/L	23.6
PCB-197/200	PCB-197/200	CU	47.2	47.2	pg/L	47.2
PCB-198/199	PCB-198/199	C	1060	1060	pg/L	47.2
40186-71-8	PCB-201		105	104	pg/L	23.6
2136-99-4	PCB-202		195	194	pg/L	23.6
52663-76-0	PCB-203		652	651	pg/L	23.6

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	23.6	23.6	pg/L	23.6
74472-53-0	PCB-205		40.2	39.4	pg/L	23.6
40186-72-9	PCB-206		235	234	pg/L	23.6
52663-79-3	PCB-207		36.1	34.9	pg/L	23.6
52663-77-1	PCB-208		47.7	46.5	pg/L	23.6
2051-24-3	PCB-209	U	23.6	23.6	pg/L	23.6
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		98.8	88.5	pg/L	
25323-68-6	Total Tri PCBs		830	820	pg/L	
26914-33-0	Total Tetra PCBs		2330	2320	pg/L	
25429-29-2	Total Penta PCBs		2550	2530	pg/L	
26601-64-9	Total Hexa PCBs		7890	7870	pg/L	
28655-71-2	Total Hepta PCBs		7620	7600	pg/L	
55722-26-4	Total Octa PCBs		3800	3790	pg/L	
53742-07-7	Total Nona PCBs		319	315	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		25400	25300	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		947	2360	pg/L	40.2	(15%-150%)
13C-3-MoCB		1070	2360	pg/L	45.4	(15%-150%)
13C-4-DiCB		1090	2360	pg/L	46.1	(25%-150%)
13C-15-DiCB		1280	2360	pg/L	54.2	(25%-150%)
13C-19-TrCB		1190	2360	pg/L	50.3	(25%-150%)
13C-37-TrCB		1520	2360	pg/L	64.6	(25%-150%)
13C-54-TeCB		1240	2360	pg/L	52.5	(25%-150%)
13C-77-TeCB		1920	2360	pg/L	81.6	(25%-150%)
13C-81-TeCB		1940	2360	pg/L	82.4	(25%-150%)
13C-104-PeCB		1190	2360	pg/L	50.4	(25%-150%)
13C-105-PeCB		1810	2360	pg/L	76.9	(25%-150%)
13C-114-PeCB		1710	2360	pg/L	72.3	(25%-150%)
13C-118-PeCB		1760	2360	pg/L	74.7	(25%-150%)
13C-123-PeCB		1880	2360	pg/L	79.6	(25%-150%)
13C-126-PeCB		1990	2360	pg/L	84.5	(25%-150%)
13C-155-HxCB		1290	2360	pg/L	54.6	(25%-150%)
13C-156-HxCB	C	3530	4720	pg/L	74.9	(25%-150%)
13C-167-HxCB		1740	2360	pg/L	73.7	(25%-150%)
13C-169-HxCB		2130	2360	pg/L	90.4	(25%-150%)
13C-188-HpCB		1110	2360	pg/L	47.1	(25%-150%)
13C-189-HpCB		1650	2360	pg/L	69.9	(25%-150%)
13C-202-OcCB		1280	2360	pg/L	54.1	(25%-150%)
13C-205-OcCB		1840	2360	pg/L	78.1	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-3805**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6353001**	**Date Collected:**	**07/08/2014 14:06**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/16/2014 09:50**		
Client ID:	**WT_IPC-14-81180**			**Prep Basis:**	**As Received**
Batch ID:	**26506**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/02/2014 15:03**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c01aug14b_3-2**			**Dilution:**	**1**
Prep Batch:	**26502**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**25-JUL-14**	**Prep Aliquot:**	**848 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1830	2360	pg/L	77.5	(25%-150%)
13C-208-NoCB		1550	2360	pg/L	65.8	(25%-150%)
13C-209-DeCB		1710	2360	pg/L	72.6	(25%-150%)
13C-28-TrCB		1540	2360	pg/L	65.2	(30%-135%)
13C-111-PeCB		1740	2360	pg/L	74.0	(30%-135%)
13C-178-HpCB		1770	2360	pg/L	75.1	(30%-135%)

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	22.2	22.2	pg/L	22.2
2051-61-8	PCB-2	U	22.2	22.2	pg/L	22.2
2051-62-9	PCB-3	U	22.2	22.2	pg/L	22.2
13029-08-8	PCB-4	U	22.2	22.2	pg/L	22.2
16605-91-7	PCB-5	U	22.2	22.2	pg/L	22.2
25569-80-6	PCB-6	U	22.2	22.2	pg/L	22.2
33284-50-3	PCB-7	U	22.2	22.2	pg/L	22.2
34883-43-7	PCB-8	U	22.2	22.2	pg/L	22.2
34883-39-1	PCB-9	U	22.2	22.2	pg/L	22.2
33146-45-1	PCB-10	U	22.2	22.2	pg/L	22.2
2050-67-1	PCB-11	BU	29.1	22.2	pg/L	22.2
PCB-12/13	PCB-13/12	CU	44.4	44.4	pg/L	44.4
34883-41-5	PCB-14	U	22.2	22.2	pg/L	22.2
2050-68-2	PCB-15	U	22.2	22.2	pg/L	22.2
38444-78-9	PCB-16	U	22.2	22.2	pg/L	22.2
37680-66-3	PCB-17	U	22.2	22.2	pg/L	22.2
PCB-18/30	PCB-18/30	CU	44.4	44.4	pg/L	44.4
38444-73-4	PCB-19	U	22.2	22.2	pg/L	22.2
PCB-20/28	PCB-20/28	C	114	113	pg/L	44.4
PCB-21/33	PCB-21/33	CU	44.4	44.4	pg/L	44.4
38444-85-8	PCB-22		37.1	36	pg/L	22.2
55720-44-0	PCB-23	U	22.2	22.2	pg/L	22.2
55702-45-9	PCB-24	U	22.2	22.2	pg/L	22.2
55712-37-3	PCB-25	U	22.2	22.2	pg/L	22.2
PCB-26/29	PCB-26/29	CU	44.4	44.4	pg/L	44.4
38444-76-7	PCB-27	U	22.2	22.2	pg/L	22.2
16606-02-3	PCB-31		49.4	48.5	pg/L	22.2
38444-77-8	PCB-32	U	22.2	22.2	pg/L	22.2
37680-68-5	PCB-34	U	22.2	22.2	pg/L	22.2
37680-69-6	PCB-35	U	22.2	22.2	pg/L	22.2
38444-87-0	PCB-36	U	22.2	22.2	pg/L	22.2
38444-90-5	PCB-37		92.0	90.7	pg/L	22.2

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	22.2	22.2	pg/L	22.2
38444-88-1	PCB-39	U	22.2	22.2	pg/L	22.2
PCB-40/71	PCB-40/71	C	287	285	pg/L	44.4
52663-59-9	PCB-41		38.0	35.3	pg/L	22.2
36559-22-5	PCB-42		152	150	pg/L	22.2
70362-46-8	PCB-43	U	22.2	22.2	pg/L	22.2
PCB-44/47/65	PCB-44/65/47	C	592	591	pg/L	66.6
PCB-45/51	PCB-45/51	CU	44.4	44.4	pg/L	44.4
41464-47-5	PCB-46		39.9	38.9	pg/L	22.2
70362-47-9	PCB-48	U	22.2	22.2	pg/L	22.2
PCB-49/69	PCB-69/49	C	282	280	pg/L	44.4
PCB-50/53	PCB-50/53	C	95.4	94.5	pg/L	44.4
35693-99-3	PCB-52		688	686	pg/L	22.2
15968-05-5	PCB-54	U	22.2	22.2	pg/L	22.2
74338-24-2	PCB-55	U	22.2	22.2	pg/L	22.2
41464-43-1	PCB-56		351	349	pg/L	22.2
70424-67-8	PCB-57	U	22.2	22.2	pg/L	22.2
41464-49-7	PCB-58	U	22.2	22.2	pg/L	22.2
PCB-59/62/75	PCB-59/62/75	CU	66.6	66.6	pg/L	66.6
33025-41-1	PCB-60		155	153	pg/L	22.2
PCB-61-76	PCB-61/76/70/74	C	811	810	pg/L	88.8
74472-34-7	PCB-63	U	22.2	22.2	pg/L	22.2
52663-58-8	PCB-64		237	235	pg/L	22.2
32598-10-0	PCB-66		518	517	pg/L	22.2
73575-53-8	PCB-67	U	22.2	22.2	pg/L	22.2
73575-52-7	PCB-68	U	22.2	22.2	pg/L	22.2
41464-42-0	PCB-72	U	22.2	22.2	pg/L	22.2
74338-23-1	PCB-73	U	22.2	22.2	pg/L	22.2
32598-13-3	PCB-77		176	174	pg/L	22.2
70362-49-1	PCB-78	U	22.2	22.2	pg/L	22.2
41464-48-6	PCB-79	U	22.2	22.2	pg/L	22.2
33284-52-5	PCB-80	U	22.2	22.2	pg/L	22.2

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	22.2	22.2	pg/L	22.2
52663-62-4	PCB-82		228	226	pg/L	22.2
60145-20-2	PCB-83		127	125	pg/L	22.2
52663-60-2	PCB-84		677	675	pg/L	22.2
PCB-85-117	PCB-117/116/85	C	307	306	pg/L	66.6
PCB-86-125	PCB-86/87/97/109/119/125	C	1330	1330	pg/L	133
PCB-88/91	PCB-88/91	C	367	366	pg/L	44.4
73575-57-2	PCB-89	U	23.8	22.2	pg/L	22.2
PCB-90-113	PCB-113/90/101	C	2130	2120	pg/L	66.6
52663-61-3	PCB-92		452	450	pg/L	22.2
PCB-93/100	PCB-93/100	CU	44.4	44.4	pg/L	44.4
73575-55-0	PCB-94	U	22.2	22.2	pg/L	22.2
38379-99-6	PCB-95		2750	2750	pg/L	22.2
73575-54-9	PCB-96	U	22.2	22.2	pg/L	22.2
PCB-98/102	PCB-102/98	C	66.7	64.8	pg/L	44.4
38380-01-7	PCB-99		817	816	pg/L	22.2
60145-21-3	PCB-103	U	22.2	22.2	pg/L	22.2
56558-16-8	PCB-104	U	22.2	22.2	pg/L	22.2
32598-14-4	PCB-105		634	632	pg/L	22.2
70424-69-0	PCB-106	U	22.2	22.2	pg/L	22.2
70424-68-9	PCB-107		102	100	pg/L	22.2
PCB-108/124	PCB-108/124	C	64.7	63.1	pg/L	44.4
PCB-110/115	PCB-110/115	C	3350	3350	pg/L	44.4
39635-32-0	PCB-111	U	22.2	22.2	pg/L	22.2
74472-36-9	PCB-112	U	22.2	22.2	pg/L	22.2
74472-37-0	PCB-114		24.3	22.4	pg/L	22.2
31508-00-6	PCB-118		1350	1350	pg/L	22.2
68194-12-7	PCB-120	U	22.2	22.2	pg/L	22.2
56558-18-0	PCB-121	U	22.2	22.2	pg/L	22.2
76842-07-4	PCB-122	U	22.2	22.2	pg/L	22.2
65510-44-3	PCB-123		38.2	36.4	pg/L	22.2
57465-28-8	PCB-126	U	22.5	22.2	pg/L	22.2

Comments:

B The target analyte was detected in the associated blank.

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	22.2	22.2	pg/L	22.2
PCB-128/166	PCB-128/166	C	448	447	pg/L	44.4
PCB-129-163	PCB-138/163/129	C	3750	3750	pg/L	66.6
52663-66-8	PCB-130		189	188	pg/L	22.2
61798-70-7	PCB-131		45.8	43.9	pg/L	22.2
38380-05-1	PCB-132		1290	1290	pg/L	22.2
35694-04-3	PCB-133		41.2	39.6	pg/L	22.2
52704-70-8	PCB-134		209	207	pg/L	22.2
PCB-135/151	PCB-151/135	C	1420	1420	pg/L	44.4
38411-22-2	PCB-136		541	540	pg/L	22.2
35694-06-5	PCB-137		127	126	pg/L	22.2
PCB-139/140	PCB-139/140	C	54.1	52.7	pg/L	44.4
52712-04-6	PCB-141		726	725	pg/L	22.2
41411-61-4	PCB-142	U	22.2	22.2	pg/L	22.2
68194-15-0	PCB-143	U	22.2	22.2	pg/L	22.2
68194-14-9	PCB-144		190	189	pg/L	22.2
74472-40-5	PCB-145	U	22.2	22.2	pg/L	22.2
51908-16-8	PCB-146		455	453	pg/L	22.2
PCB-147/149	PCB-147/149	C	3120	3120	pg/L	44.4
74472-41-6	PCB-148	U	22.2	22.2	pg/L	22.2
68194-08-1	PCB-150	U	22.2	22.2	pg/L	22.2
68194-09-2	PCB-152	U	22.2	22.2	pg/L	22.2
PCB-153/168	PCB-153/168	C	2850	2850	pg/L	44.4
60145-22-4	PCB-154		25.9	24.9	pg/L	22.2
33979-03-2	PCB-155	U	22.2	22.2	pg/L	22.2
PCB-156/157	PCB-156/157	C	319	317	pg/L	44.4
74472-42-7	PCB-158		320	319	pg/L	22.2
39635-35-3	PCB-159	U	22.2	22.2	pg/L	22.2
41411-62-5	PCB-160	U	22.2	22.2	pg/L	22.2
74472-43-8	PCB-161	U	22.2	22.2	pg/L	22.2
39635-34-2	PCB-162	U	22.2	22.2	pg/L	22.2
74472-45-0	PCB-164		240	238	pg/L	22.2

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	22.2	22.2	pg/L	22.2
52663-72-6	PCB-167		130	129	pg/L	22.2
32774-16-6	PCB-169	U	22.2	22.2	pg/L	22.2
35065-30-6	PCB-170		737	736	pg/L	22.2
PCB-171/173	PCB-173/171	C	233	232	pg/L	44.4
52663-74-8	PCB-172		130	128	pg/L	22.2
38411-25-5	PCB-174		822	820	pg/L	22.2
40186-70-7	PCB-175		33.0	31.8	pg/L	22.2
52663-65-7	PCB-176		105	104	pg/L	22.2
52663-70-4	PCB-177		465	464	pg/L	22.2
52663-67-9	PCB-178		157	156	pg/L	22.2
52663-64-6	PCB-179		358	357	pg/L	22.2
PCB-180/193	PCB-193/180	CU	44.4	44.4	pg/L	44.4
74472-47-2	PCB-181	U	22.2	22.2	pg/L	22.2
60145-23-5	PCB-182	U	22.2	22.2	pg/L	22.2
PCB-183/185	PCB-183/185	C	565	564	pg/L	44.4
74472-48-3	PCB-184	U	22.2	22.2	pg/L	22.2
74472-49-4	PCB-186	U	22.2	22.2	pg/L	22.2
52663-68-0	PCB-187		1010	1010	pg/L	22.2
74487-85-7	PCB-188	U	22.2	22.2	pg/L	22.2
39635-31-9	PCB-189		26.9	25.6	pg/L	22.2
41411-64-7	PCB-190		144	143	pg/L	22.2
74472-50-7	PCB-191		29.3	28.2	pg/L	22.2
74472-51-8	PCB-192	U	22.2	22.2	pg/L	22.2
35694-08-7	PCB-194		244	243	pg/L	22.2
52663-78-2	PCB-195		104	103	pg/L	22.2
42740-50-1	PCB-196		131	130	pg/L	22.2
PCB-197/200	PCB-197/200	CU	44.4	44.4	pg/L	44.4
PCB-198/199	PCB-198/199	C	284	283	pg/L	44.4
40186-71-8	PCB-201		34.8	33.9	pg/L	22.2
2136-99-4	PCB-202		58.0	56.9	pg/L	22.2
52663-76-0	PCB-203		170	169	pg/L	22.2

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	22.2	22.2	pg/L	22.2
74472-53-0	PCB-205	U	22.2	22.2	pg/L	22.2
40186-72-9	PCB-206		51.0	49.5	pg/L	22.2
52663-79-3	PCB-207	U	22.2	22.2	pg/L	22.2
52663-77-1	PCB-208	U	22.2	22.2	pg/L	22.2
2051-24-3	PCB-209	U	22.2	22.2	pg/L	22.2
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs	U	0	0	pg/L	
25323-68-6	Total Tri PCBs		293	288	pg/L	
26914-33-0	Total Tetra PCBs		4420	4400	pg/L	
25429-29-2	Total Penta PCBs		14900	14800	pg/L	
26601-64-9	Total Hexa PCBs		16500	16500	pg/L	
28655-71-2	Total Hepta PCBs		4820	4800	pg/L	
55722-26-4	Total Octa PCBs		1030	1020	pg/L	
53742-07-7	Total Nona PCBs		51.0	49.5	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		42000	41800	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1320	2220	pg/L	59.3	(15%-150%)
13C-3-MoCB		1500	2220	pg/L	67.8	(15%-150%)
13C-4-DiCB		1550	2220	pg/L	69.8	(25%-150%)
13C-15-DiCB		1810	2220	pg/L	81.4	(25%-150%)
13C-19-TrCB		1750	2220	pg/L	78.7	(25%-150%)
13C-37-TrCB		1880	2220	pg/L	84.7	(25%-150%)
13C-54-TeCB		1630	2220	pg/L	73.5	(25%-150%)
13C-77-TeCB		2070	2220	pg/L	93.4	(25%-150%)
13C-81-TeCB		2120	2220	pg/L	95.4	(25%-150%)
13C-104-PeCB		1460	2220	pg/L	65.9	(25%-150%)
13C-105-PeCB		1680	2220	pg/L	75.7	(25%-150%)
13C-114-PeCB		1610	2220	pg/L	72.6	(25%-150%)
13C-118-PeCB		1710	2220	pg/L	77.1	(25%-150%)
13C-123-PeCB		1800	2220	pg/L	81.0	(25%-150%)
13C-126-PeCB		1800	2220	pg/L	81.1	(25%-150%)
13C-155-HxCB		1660	2220	pg/L	74.8	(25%-150%)
13C-156-HxCB	C	3170	4440	pg/L	71.5	(25%-150%)
13C-167-HxCB		1600	2220	pg/L	72.2	(25%-150%)
13C-169-HxCB		1850	2220	pg/L	83.2	(25%-150%)
13C-188-HpCB		1750	2220	pg/L	78.8	(25%-150%)
13C-189-HpCB		1810	2220	pg/L	81.4	(25%-150%)
13C-202-OcCB		1770	2220	pg/L	79.9	(25%-150%)
13C-205-OcCB		1900	2220	pg/L	85.6	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4014**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6406001**	**Date Collected:**	**07/15/2014 00:37**	**Matrix:**	**W**
Client Sample:	**1668A Water**	**Date Received:**	**07/25/2014 10:10**		
Client ID:	**WT_IPC-14-85010**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 02:23**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-5**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**901.1 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1760	2220	pg/L	79.1	(25%-150%)
13C-208-NoCB		1790	2220	pg/L	80.6	(25%-150%)
13C-209-DeCB		1610	2220	pg/L	72.8	(25%-150%)
13C-28-TrCB		1840	2220	pg/L	82.9	(30%-135%)
13C-111-PeCB		1830	2220	pg/L	82.3	(30%-135%)
13C-178-HpCB		1870	2220	pg/L	84.2	(30%-135%)

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	21.8	21.8	pg/L	21.8
2051-61-8	PCB-2	U	21.8	21.8	pg/L	21.8
2051-62-9	PCB-3	U	21.8	21.8	pg/L	21.8
13029-08-8	PCB-4	U	21.8	21.8	pg/L	21.8
16605-91-7	PCB-5	U	21.8	21.8	pg/L	21.8
25569-80-6	PCB-6	U	21.8	21.8	pg/L	21.8
33284-50-3	PCB-7	U	21.8	21.8	pg/L	21.8
34883-43-7	PCB-8	U	21.8	21.8	pg/L	21.8
34883-39-1	PCB-9	U	21.8	21.8	pg/L	21.8
33146-45-1	PCB-10	U	21.8	21.8	pg/L	21.8
2050-67-1	PCB-11	BU	22.5	21.8	pg/L	21.8
PCB-12/13	PCB-13/12	CU	43.5	43.5	pg/L	43.5
34883-41-5	PCB-14	U	21.8	21.8	pg/L	21.8
2050-68-2	PCB-15	U	21.8	21.8	pg/L	21.8
38444-78-9	PCB-16	U	21.8	21.8	pg/L	21.8
37680-66-3	PCB-17	U	21.8	21.8	pg/L	21.8
PCB-18/30	PCB-18/30	CU	43.5	43.5	pg/L	43.5
38444-73-4	PCB-19	U	21.8	21.8	pg/L	21.8
PCB-20/28	PCB-20/28	CU	43.5	43.5	pg/L	43.5
PCB-21/33	PCB-21/33	CU	43.5	43.5	pg/L	43.5
38444-85-8	PCB-22	U	21.8	21.8	pg/L	21.8
55720-44-0	PCB-23	U	21.8	21.8	pg/L	21.8
55702-45-9	PCB-24	U	21.8	21.8	pg/L	21.8
55712-37-3	PCB-25	U	21.8	21.8	pg/L	21.8
PCB-26/29	PCB-26/29	CU	43.5	43.5	pg/L	43.5
38444-76-7	PCB-27	U	21.8	21.8	pg/L	21.8
16606-02-3	PCB-31	U	21.8	21.8	pg/L	21.8
38444-77-8	PCB-32	U	21.8	21.8	pg/L	21.8
37680-68-5	PCB-34	U	21.8	21.8	pg/L	21.8
37680-69-6	PCB-35	U	21.8	21.8	pg/L	21.8
38444-87-0	PCB-36	U	21.8	21.8	pg/L	21.8
38444-90-5	PCB-37	U	21.8	21.8	pg/L	21.8

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.8	21.8	pg/L	21.8
38444-88-1	PCB-39	U	21.8	21.8	pg/L	21.8
PCB-40/71	PCB-40/71	CU	43.5	43.5	pg/L	43.5
52663-59-9	PCB-41	U	21.8	21.8	pg/L	21.8
36559-22-5	PCB-42	U	21.8	21.8	pg/L	21.8
70362-46-8	PCB-43	U	21.8	21.8	pg/L	21.8
PCB-44/47/65	PCB-44/65/47	CU	65.3	65.3	pg/L	65.3
PCB-45/51	PCB-45/51	CU	43.5	43.5	pg/L	43.5
41464-47-5	PCB-46	U	21.8	21.8	pg/L	21.8
70362-47-9	PCB-48	U	21.8	21.8	pg/L	21.8
PCB-49/69	PCB-69/49	CU	43.5	43.5	pg/L	43.5
PCB-50/53	PCB-50/53	CU	43.5	43.5	pg/L	43.5
35693-99-3	PCB-52		101	98.6	pg/L	21.8
15968-05-5	PCB-54	U	21.8	21.8	pg/L	21.8
74338-24-2	PCB-55	U	21.8	21.8	pg/L	21.8
41464-43-1	PCB-56	U	21.8	21.8	pg/L	21.8
70424-67-8	PCB-57	U	21.8	21.8	pg/L	21.8
41464-49-7	PCB-58	U	21.8	21.8	pg/L	21.8
PCB-59/62/75	PCB-59/62/75	CU	65.3	65.3	pg/L	65.3
33025-41-1	PCB-60	U	21.8	21.8	pg/L	21.8
PCB-61-76	PCB-61/76/70/74	C	148	147	pg/L	87.1
74472-34-7	PCB-63	U	21.8	21.8	pg/L	21.8
52663-58-8	PCB-64	U	21.8	21.8	pg/L	21.8
32598-10-0	PCB-66		30.4	29.2	pg/L	21.8
73575-53-8	PCB-67	U	21.8	21.8	pg/L	21.8
73575-52-7	PCB-68	U	21.8	21.8	pg/L	21.8
41464-42-0	PCB-72	U	21.8	21.8	pg/L	21.8
74338-23-1	PCB-73	U	21.8	21.8	pg/L	21.8
32598-13-3	PCB-77		31.0	29.6	pg/L	21.8
70362-49-1	PCB-78	U	21.8	21.8	pg/L	21.8
41464-48-6	PCB-79	U	21.8	21.8	pg/L	21.8
33284-52-5	PCB-80	U	21.8	21.8	pg/L	21.8

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.8	21.8	pg/L	21.8
52663-62-4	PCB-82		50.9	48.8	pg/L	21.8
60145-20-2	PCB-83		24.7	22.6	pg/L	21.8
52663-60-2	PCB-84		94.2	92.1	pg/L	21.8
PCB-85-117	PCB-117/116/85	C	157	156	pg/L	65.3
PCB-86-125	PCB-86/87/97/109/119/125	C	388	387	pg/L	131
PCB-88/91	PCB-88/91	C	64.8	63	pg/L	43.5
73575-57-2	PCB-89	U	21.8	21.8	pg/L	21.8
PCB-90-113	PCB-113/90/101	C	520	519	pg/L	65.3
52663-61-3	PCB-92		103	101	pg/L	21.8
PCB-93/100	PCB-93/100	CU	43.5	43.5	pg/L	43.5
73575-55-0	PCB-94	U	21.8	21.8	pg/L	21.8
38379-99-6	PCB-95		288	287	pg/L	21.8
73575-54-9	PCB-96	U	21.8	21.8	pg/L	21.8
PCB-98/102	PCB-102/98	CU	43.5	43.5	pg/L	43.5
38380-01-7	PCB-99		353	352	pg/L	21.8
60145-21-3	PCB-103	U	21.8	21.8	pg/L	21.8
56558-16-8	PCB-104	U	21.8	21.8	pg/L	21.8
32598-14-4	PCB-105		432	431	pg/L	21.8
70424-69-0	PCB-106	U	21.8	21.8	pg/L	21.8
70424-68-9	PCB-107		69.1	67.6	pg/L	21.8
PCB-108/124	PCB-108/124	CU	43.5	43.5	pg/L	43.5
PCB-110/115	PCB-110/115	C	959	958	pg/L	43.5
39635-32-0	PCB-111	U	21.8	21.8	pg/L	21.8
74472-36-9	PCB-112	U	21.8	21.8	pg/L	21.8
74472-37-0	PCB-114	U	21.8	21.8	pg/L	21.8
31508-00-6	PCB-118		906	904	pg/L	21.8
68194-12-7	PCB-120	U	21.8	21.8	pg/L	21.8
56558-18-0	PCB-121	U	21.8	21.8	pg/L	21.8
76842-07-4	PCB-122	U	21.8	21.8	pg/L	21.8
65510-44-3	PCB-123	U	21.8	21.8	pg/L	21.8
57465-28-8	PCB-126	U	21.8	21.8	pg/L	21.8

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.8	21.8	pg/L	21.8
PCB-128/166	PCB-128/166	C	316	314	pg/L	43.5
PCB-129-163	PCB-138/163/129	C	1930	1930	pg/L	65.3
52663-66-8	PCB-130		108	107	pg/L	21.8
61798-70-7	PCB-131	U	21.8	21.8	pg/L	21.8
38380-05-1	PCB-132		384	382	pg/L	21.8
35694-04-3	PCB-133	U	21.8	21.8	pg/L	21.8
52704-70-8	PCB-134		57.3	55.3	pg/L	21.8
PCB-135/151	PCB-151/135	C	242	241	pg/L	43.5
38411-22-2	PCB-136		83.9	83.1	pg/L	21.8
35694-06-5	PCB-137		86.0	84.3	pg/L	21.8
PCB-139/140	PCB-139/140	CU	43.5	43.5	pg/L	43.5
52712-04-6	PCB-141		152	150	pg/L	21.8
41411-61-4	PCB-142	U	21.8	21.8	pg/L	21.8
68194-15-0	PCB-143	U	21.8	21.8	pg/L	21.8
68194-14-9	PCB-144		24.9	23.8	pg/L	21.8
74472-40-5	PCB-145	U	21.8	21.8	pg/L	21.8
51908-16-8	PCB-146		195	194	pg/L	21.8
PCB-147/149	PCB-147/149	C	920	919	pg/L	43.5
74472-41-6	PCB-148	U	21.8	21.8	pg/L	21.8
68194-08-1	PCB-150	U	21.8	21.8	pg/L	21.8
68194-09-2	PCB-152	U	21.8	21.8	pg/L	21.8
PCB-153/168	PCB-153/168	C	1200	1200	pg/L	43.5
60145-22-4	PCB-154	U	21.8	21.8	pg/L	21.8
33979-03-2	PCB-155	U	21.8	21.8	pg/L	21.8
PCB-156/157	PCB-156/157	C	216	214	pg/L	43.5
74472-42-7	PCB-158		149	148	pg/L	21.8
39635-35-3	PCB-159	U	21.8	21.8	pg/L	21.8
41411-62-5	PCB-160	U	21.8	21.8	pg/L	21.8
74472-43-8	PCB-161	U	21.8	21.8	pg/L	21.8
39635-34-2	PCB-162	U	21.8	21.8	pg/L	21.8
74472-45-0	PCB-164		110	109	pg/L	21.8

Comments:

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.8	21.8	pg/L	21.8
52663-72-6	PCB-167		81.7	80.5	pg/L	21.8
32774-16-6	PCB-169	U	21.8	21.8	pg/L	21.8
35065-30-6	PCB-170		171	170	pg/L	21.8
PCB-171/173	PCB-173/171	C	47.2	45.7	pg/L	43.5
52663-74-8	PCB-172		26.2	24.7	pg/L	21.8
38411-25-5	PCB-174		134	133	pg/L	21.8
40186-70-7	PCB-175	U	21.8	21.8	pg/L	21.8
52663-65-7	PCB-176	U	21.8	21.8	pg/L	21.8
52663-70-4	PCB-177		89.1	87.6	pg/L	21.8
52663-67-9	PCB-178		28.3	27.1	pg/L	21.8
52663-64-6	PCB-179		45.1	44.3	pg/L	21.8
PCB-180/193	PCB-193/180	CU	43.5	43.5	pg/L	43.5
74472-47-2	PCB-181	U	21.8	21.8	pg/L	21.8
60145-23-5	PCB-182	U	21.8	21.8	pg/L	21.8
PCB-183/185	PCB-183/185	C	86.5	85.2	pg/L	43.5
74472-48-3	PCB-184	U	21.8	21.8	pg/L	21.8
74472-49-4	PCB-186	U	21.8	21.8	pg/L	21.8
52663-68-0	PCB-187		180	178	pg/L	21.8
74487-85-7	PCB-188	U	21.8	21.8	pg/L	21.8
39635-31-9	PCB-189	U	21.8	21.8	pg/L	21.8
41411-64-7	PCB-190		33.7	32.6	pg/L	21.8
74472-50-7	PCB-191	U	21.8	21.8	pg/L	21.8
74472-51-8	PCB-192	U	21.8	21.8	pg/L	21.8
35694-08-7	PCB-194		47.0	46	pg/L	21.8
52663-78-2	PCB-195	U	21.8	21.8	pg/L	21.8
42740-50-1	PCB-196	U	21.8	21.8	pg/L	21.8
PCB-197/200	PCB-197/200	CU	43.5	43.5	pg/L	43.5
PCB-198/199	PCB-198/199	C	52.5	51.3	pg/L	43.5
40186-71-8	PCB-201	U	21.8	21.8	pg/L	21.8
2136-99-4	PCB-202	U	21.8	21.8	pg/L	21.8
52663-76-0	PCB-203		34.1	32.9	pg/L	21.8

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.8	21.8	pg/L	21.8
74472-53-0	PCB-205	U	21.8	21.8	pg/L	21.8
40186-72-9	PCB-206	U	21.8	21.8	pg/L	21.8
52663-79-3	PCB-207	U	21.8	21.8	pg/L	21.8
52663-77-1	PCB-208	U	21.8	21.8	pg/L	21.8
2051-24-3	PCB-209	U	21.8	21.8	pg/L	21.8
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs	U	0	0	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		310	304	pg/L	
25429-29-2	Total Penta PCBs		4410	4390	pg/L	
26601-64-9	Total Hexa PCBs		6260	6230	pg/L	
28655-71-2	Total Hepta PCBs		841	828	pg/L	
55722-26-4	Total Octa PCBs		134	130	pg/L	
53742-07-7	Total Nona PCBs	U	0	0	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		12000	11900	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1070	2180	pg/L	49.0	(15%-150%)
13C-3-MoCB		1120	2180	pg/L	51.3	(15%-150%)
13C-4-DiCB		1190	2180	pg/L	54.6	(25%-150%)
13C-15-DiCB		1320	2180	pg/L	60.7	(25%-150%)
13C-19-TrCB		1300	2180	pg/L	59.7	(25%-150%)
13C-37-TrCB		1540	2180	pg/L	70.7	(25%-150%)
13C-54-TeCB		1390	2180	pg/L	63.6	(25%-150%)
13C-77-TeCB		1850	2180	pg/L	84.8	(25%-150%)
13C-81-TeCB		1830	2180	pg/L	83.9	(25%-150%)
13C-104-PeCB		1220	2180	pg/L	56.0	(25%-150%)
13C-105-PeCB		1600	2180	pg/L	73.6	(25%-150%)
13C-114-PeCB		1550	2180	pg/L	71.0	(25%-150%)
13C-118-PeCB		1600	2180	pg/L	73.6	(25%-150%)
13C-123-PeCB		1690	2180	pg/L	77.8	(25%-150%)
13C-126-PeCB		1660	2180	pg/L	76.3	(25%-150%)
13C-155-HxCB		1400	2180	pg/L	64.4	(25%-150%)
13C-156-HxCB	C	2770	4350	pg/L	63.6	(25%-150%)
13C-167-HxCB		1460	2180	pg/L	66.9	(25%-150%)
13C-169-HxCB		1620	2180	pg/L	74.4	(25%-150%)
13C-188-HpCB		1680	2180	pg/L	77.0	(25%-150%)
13C-189-HpCB		1710	2180	pg/L	78.6	(25%-150%)
13C-202-OcCB		1660	2180	pg/L	76.0	(25%-150%)
13C-205-OcCB		1820	2180	pg/L	83.6	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4028**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6417001**	**Date Collected:**	**07/23/2014 12:21**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**07/29/2014 10:40**		
Client ID:	**WT_IPC-14-55967**			**Prep Basis:**	**As Received**
Batch ID:	**26592**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/14/2014 06:51**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_2-9**			**Dilution:**	**1**
Prep Batch:	**26588**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**04-AUG-14**	**Prep Aliquot:**	**918.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1670	2180	pg/L	76.9	(25%-150%)
13C-208-NoCB		1680	2180	pg/L	77.2	(25%-150%)
13C-209-DeCB		1520	2180	pg/L	69.8	(25%-150%)
13C-28-TrCB		1540	2180	pg/L	70.9	(30%-135%)
13C-111-PeCB		1700	2180	pg/L	77.9	(30%-135%)
13C-178-HpCB		1700	2180	pg/L	78.2	(30%-135%)

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	21.7	21.7	pg/L	21.7
2051-61-8	PCB-2	U	21.7	21.7	pg/L	21.7
2051-62-9	PCB-3	U	21.7	21.7	pg/L	21.7
13029-08-8	PCB-4	U	21.7	21.7	pg/L	21.7
16605-91-7	PCB-5	U	21.7	21.7	pg/L	21.7
25569-80-6	PCB-6	U	21.7	21.7	pg/L	21.7
33284-50-3	PCB-7	U	21.7	21.7	pg/L	21.7
34883-43-7	PCB-8	U	21.7	21.7	pg/L	21.7
34883-39-1	PCB-9	U	21.7	21.7	pg/L	21.7
33146-45-1	PCB-10	U	21.7	21.7	pg/L	21.7
2050-67-1	PCB-11	B	49.0	40.1	pg/L	21.7
PCB-12/13	PCB-13/12	CU	43.4	43.4	pg/L	43.4
34883-41-5	PCB-14	U	21.7	21.7	pg/L	21.7
2050-68-2	PCB-15	U	21.7	21.7	pg/L	21.7
38444-78-9	PCB-16	U	21.7	21.7	pg/L	21.7
37680-66-3	PCB-17	U	21.7	21.7	pg/L	21.7
PCB-18/30	PCB-18/30	CU	43.4	43.4	pg/L	43.4
38444-73-4	PCB-19	U	21.7	21.7	pg/L	21.7
PCB-20/28	PCB-20/28	CU	43.4	43.4	pg/L	43.4
PCB-21/33	PCB-21/33	CU	43.4	43.4	pg/L	43.4
38444-85-8	PCB-22	U	21.7	21.7	pg/L	21.7
55720-44-0	PCB-23	U	21.7	21.7	pg/L	21.7
55702-45-9	PCB-24	U	21.7	21.7	pg/L	21.7
55712-37-3	PCB-25	U	21.7	21.7	pg/L	21.7
PCB-26/29	PCB-26/29	CU	43.4	43.4	pg/L	43.4
38444-76-7	PCB-27	U	21.7	21.7	pg/L	21.7
16606-02-3	PCB-31	U	21.7	21.7	pg/L	21.7
38444-77-8	PCB-32	U	21.7	21.7	pg/L	21.7
37680-68-5	PCB-34	U	21.7	21.7	pg/L	21.7
37680-69-6	PCB-35	U	21.7	21.7	pg/L	21.7
38444-87-0	PCB-36	U	21.7	21.7	pg/L	21.7
38444-90-5	PCB-37	U	21.7	21.7	pg/L	21.7

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.7	21.7	pg/L	21.7
38444-88-1	PCB-39	U	21.7	21.7	pg/L	21.7
PCB-40/71	PCB-40/71	CU	43.4	43.4	pg/L	43.4
52663-59-9	PCB-41	U	21.7	21.7	pg/L	21.7
36559-22-5	PCB-42	U	21.7	21.7	pg/L	21.7
70362-46-8	PCB-43	U	21.7	21.7	pg/L	21.7
PCB-44/47/65	PCB-44/65/47	C	195	193	pg/L	65.0
PCB-45/51	PCB-45/51	CU	43.4	43.4	pg/L	43.4
41464-47-5	PCB-46	U	21.7	21.7	pg/L	21.7
70362-47-9	PCB-48	U	21.7	21.7	pg/L	21.7
PCB-49/69	PCB-69/49	C	82.5	80.9	pg/L	43.4
PCB-50/53	PCB-50/53	CU	43.4	43.4	pg/L	43.4
35693-99-3	PCB-52		515	513	pg/L	21.7
15968-05-5	PCB-54	U	21.7	21.7	pg/L	21.7
74338-24-2	PCB-55	U	21.7	21.7	pg/L	21.7
41464-43-1	PCB-56		66.7	65.3	pg/L	21.7
70424-67-8	PCB-57	U	21.7	21.7	pg/L	21.7
41464-49-7	PCB-58	U	21.7	21.7	pg/L	21.7
PCB-59/62/75	PCB-59/62/75	CU	65	65	pg/L	65.0
33025-41-1	PCB-60		26.8	25.5	pg/L	21.7
PCB-61-76	PCB-61/76/70/74	C	448	447	pg/L	86.7
74472-34-7	PCB-63	U	21.7	21.7	pg/L	21.7
52663-58-8	PCB-64		74.5	73.1	pg/L	21.7
32598-10-0	PCB-66		125	124	pg/L	21.7
73575-53-8	PCB-67	U	21.7	21.7	pg/L	21.7
73575-52-7	PCB-68	U	21.7	21.7	pg/L	21.7
41464-42-0	PCB-72	U	21.7	21.7	pg/L	21.7
74338-23-1	PCB-73	U	21.7	21.7	pg/L	21.7
32598-13-3	PCB-77		28.3	26.9	pg/L	21.7
70362-49-1	PCB-78	U	21.7	21.7	pg/L	21.7
41464-48-6	PCB-79	U	21.7	21.7	pg/L	21.7
33284-52-5	PCB-80	U	21.7	21.7	pg/L	21.7

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.7	21.7	pg/L	21.7
52663-62-4	PCB-82		153	151	pg/L	21.7
60145-20-2	PCB-83		69.4	67.4	pg/L	21.7
52663-60-2	PCB-84		373	371	pg/L	21.7
PCB-85-117	PCB-117/116/85	C	213	212	pg/L	65.0
PCB-86-125	PCB-86/87/97/109/119/125	C	1030	1030	pg/L	130
PCB-88/91	PCB-88/91	C	164	162	pg/L	43.4
73575-57-2	PCB-89	U	21.7	21.7	pg/L	21.7
PCB-90-113	PCB-113/90/101	C	1360	1360	pg/L	65.0
52663-61-3	PCB-92		252	250	pg/L	21.7
PCB-93/100	PCB-93/100	CU	43.4	43.4	pg/L	43.4
73575-55-0	PCB-94	U	21.7	21.7	pg/L	21.7
38379-99-6	PCB-95		1160	1160	pg/L	21.7
73575-54-9	PCB-96	U	21.7	21.7	pg/L	21.7
PCB-98/102	PCB-102/98	CU	43.4	43.4	pg/L	43.4
38380-01-7	PCB-99		532	530	pg/L	21.7
60145-21-3	PCB-103	U	21.7	21.7	pg/L	21.7
56558-16-8	PCB-104	U	21.7	21.7	pg/L	21.7
32598-14-4	PCB-105		600	598	pg/L	21.7
70424-69-0	PCB-106	U	21.7	21.7	pg/L	21.7
70424-68-9	PCB-107		79.9	78.4	pg/L	21.7
PCB-108/124	PCB-108/124	C	55.7	54.2	pg/L	43.4
PCB-110/115	PCB-110/115	CU	43.4	43.4	pg/L	43.4
39635-32-0	PCB-111	U	21.7	21.7	pg/L	21.7
74472-36-9	PCB-112	U	21.7	21.7	pg/L	21.7
74472-37-0	PCB-114		25.8	23.9	pg/L	21.7
31508-00-6	PCB-118		1340	1340	pg/L	21.7
68194-12-7	PCB-120	U	21.7	21.7	pg/L	21.7
56558-18-0	PCB-121	U	21.7	21.7	pg/L	21.7
76842-07-4	PCB-122	U	21.7	21.7	pg/L	21.7
65510-44-3	PCB-123	U	21.7	21.7	pg/L	21.7
57465-28-8	PCB-126	U	21.7	21.7	pg/L	21.7

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.7	21.7	pg/L	21.7
PCB-128/166	PCB-128/166	C	322	320	pg/L	43.4
PCB-129-163	PCB-138/163/129	C	1970	1970	pg/L	65.0
52663-66-8	PCB-130		117	115	pg/L	21.7
61798-70-7	PCB-131		27.6	25.8	pg/L	21.7
38380-05-1	PCB-132		659	657	pg/L	21.7
35694-04-3	PCB-133	U	21.7	21.7	pg/L	21.7
52704-70-8	PCB-134		112	110	pg/L	21.7
PCB-135/151	PCB-151/135	C	424	423	pg/L	43.4
38411-22-2	PCB-136		168	167	pg/L	21.7
35694-06-5	PCB-137		90.9	89.3	pg/L	21.7
PCB-139/140	PCB-139/140	CU	43.4	43.4	pg/L	43.4
52712-04-6	PCB-141		265	264	pg/L	21.7
41411-61-4	PCB-142	U	21.7	21.7	pg/L	21.7
68194-15-0	PCB-143	U	21.7	21.7	pg/L	21.7
68194-14-9	PCB-144		56.6	55.5	pg/L	21.7
74472-40-5	PCB-145	U	21.7	21.7	pg/L	21.7
51908-16-8	PCB-146		201	199	pg/L	21.7
PCB-147/149	PCB-147/149	C	1170	1160	pg/L	43.4
74472-41-6	PCB-148	U	21.7	21.7	pg/L	21.7
68194-08-1	PCB-150	U	21.7	21.7	pg/L	21.7
68194-09-2	PCB-152	U	21.7	21.7	pg/L	21.7
PCB-153/168	PCB-153/168	C	1090	1090	pg/L	43.4
60145-22-4	PCB-154	U	21.7	21.7	pg/L	21.7
33979-03-2	PCB-155	U	21.7	21.7	pg/L	21.7
PCB-156/157	PCB-156/157	C	302	301	pg/L	43.4
74472-42-7	PCB-158		189	187	pg/L	21.7
39635-35-3	PCB-159	U	21.7	21.7	pg/L	21.7
41411-62-5	PCB-160	U	21.7	21.7	pg/L	21.7
74472-43-8	PCB-161	U	21.7	21.7	pg/L	21.7
39635-34-2	PCB-162	U	21.7	21.7	pg/L	21.7
74472-45-0	PCB-164		131	130	pg/L	21.7

Comments:

B The target analyte was detected in the associated blank.

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.7	21.7	pg/L	21.7
52663-72-6	PCB-167		96.6	95.3	pg/L	21.7
32774-16-6	PCB-169	U	21.7	21.7	pg/L	21.7
35065-30-6	PCB-170		381	380	pg/L	21.7
PCB-171/173	PCB-173/171	C	105	104	pg/L	43.4
52663-74-8	PCB-172		68.1	66.6	pg/L	21.7
38411-25-5	PCB-174		322	320	pg/L	21.7
40186-70-7	PCB-175	U	21.7	21.7	pg/L	21.7
52663-65-7	PCB-176		31.2	30.4	pg/L	21.7
52663-70-4	PCB-177		187	185	pg/L	21.7
52663-67-9	PCB-178		52.0	50.7	pg/L	21.7
52663-64-6	PCB-179		98.7	97.9	pg/L	21.7
PCB-180/193	PCB-193/180	CU	43.4	43.4	pg/L	43.4
74472-47-2	PCB-181	U	21.7	21.7	pg/L	21.7
60145-23-5	PCB-182	U	21.7	21.7	pg/L	21.7
PCB-183/185	PCB-183/185	C	200	199	pg/L	43.4
74472-48-3	PCB-184	U	21.7	21.7	pg/L	21.7
74472-49-4	PCB-186	U	21.7	21.7	pg/L	21.7
52663-68-0	PCB-187		330	329	pg/L	21.7
74487-85-7	PCB-188	U	21.7	21.7	pg/L	21.7
39635-31-9	PCB-189	U	21.7	21.7	pg/L	21.7
41411-64-7	PCB-190		86.2	85.1	pg/L	21.7
74472-50-7	PCB-191	U	21.7	21.7	pg/L	21.7
74472-51-8	PCB-192	U	21.7	21.7	pg/L	21.7
35694-08-7	PCB-194		143	142	pg/L	21.7
52663-78-2	PCB-195		54.0	52.9	pg/L	21.7
42740-50-1	PCB-196		50.8	49.7	pg/L	21.7
PCB-197/200	PCB-197/200	CU	43.4	43.4	pg/L	43.4
PCB-198/199	PCB-198/199	C	138	137	pg/L	43.4
40186-71-8	PCB-201	U	21.7	21.7	pg/L	21.7
2136-99-4	PCB-202		23.4	22.3	pg/L	21.7
52663-76-0	PCB-203		63.4	62.3	pg/L	21.7

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.7	21.7	pg/L	21.7
74472-53-0	PCB-205	U	21.7	21.7	pg/L	21.7
40186-72-9	PCB-206		37.2	35.7	pg/L	21.7
52663-79-3	PCB-207	U	21.7	21.7	pg/L	21.7
52663-77-1	PCB-208	U	21.7	21.7	pg/L	21.7
2051-24-3	PCB-209	U	21.7	21.7	pg/L	21.7
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs	U	0	0	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		1560	1550	pg/L	
25429-29-2	Total Penta PCBs		7420	7390	pg/L	
26601-64-9	Total Hexa PCBs		7390	7360	pg/L	
28655-71-2	Total Hepta PCBs		1860	1850	pg/L	
55722-26-4	Total Octa PCBs		472	466	pg/L	
53742-07-7	Total Nona PCBs		37.2	35.7	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		18700	18700	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		958	2170	pg/L	44.2	(15%-150%)
13C-3-MoCB		1220	2170	pg/L	56.4	(15%-150%)
13C-4-DiCB		1240	2170	pg/L	57.2	(25%-150%)
13C-15-DiCB		1720	2170	pg/L	79.4	(25%-150%)
13C-19-TrCB		1440	2170	pg/L	66.5	(25%-150%)
13C-37-TrCB		1940	2170	pg/L	89.5	(25%-150%)
13C-54-TeCB		1270	2170	pg/L	58.7	(25%-150%)
13C-77-TeCB		2260	2170	pg/L	104	(25%-150%)
13C-81-TeCB		2290	2170	pg/L	106	(25%-150%)
13C-104-PeCB		1350	2170	pg/L	62.1	(25%-150%)
13C-105-PeCB		1920	2170	pg/L	88.7	(25%-150%)
13C-114-PeCB		1840	2170	pg/L	85.1	(25%-150%)
13C-118-PeCB		1940	2170	pg/L	89.4	(25%-150%)
13C-123-PeCB		2020	2170	pg/L	93.1	(25%-150%)
13C-126-PeCB		2020	2170	pg/L	93.0	(25%-150%)
13C-155-HxCB		1480	2170	pg/L	68.3	(25%-150%)
13C-156-HxCB	C	3470	4340	pg/L	80.1	(25%-150%)
13C-167-HxCB		1800	2170	pg/L	82.9	(25%-150%)
13C-169-HxCB		1800	2170	pg/L	83.1	(25%-150%)
13C-188-HpCB		1840	2170	pg/L	84.9	(25%-150%)
13C-189-HpCB		1980	2170	pg/L	91.2	(25%-150%)
13C-202-OcCB		1910	2170	pg/L	88.3	(25%-150%)
13C-205-OcCB		2010	2170	pg/L	92.9	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473001**	**Date Collected:**	**07/29/2014 12:01**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/07/2014 09:50**		
Client ID:	**WT_IPC-14-56018**			**Prep Basis:**	**As Received**
Batch ID:	**26692**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/17/2014 01:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c13aug14a_8-10**			**Dilution:**	**1**
Prep Batch:	**26619**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**12-AUG-14**	**Prep Aliquot:**	**922.4 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1630	2170	pg/L	75.1	(25%-150%)
13C-208-NoCB		1420	2170	pg/L	65.7	(25%-150%)
13C-209-DeCB		1240	2170	pg/L	57.1	(25%-150%)
13C-28-TrCB		1790	2170	pg/L	82.6	(30%-135%)
13C-111-PeCB		1950	2170	pg/L	89.9	(30%-135%)
13C-178-HpCB		1690	2170	pg/L	78.1	(30%-135%)

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	21.7	21.7	pg/L	21.7
2051-61-8	PCB-2	U	21.7	21.7	pg/L	21.7
2051-62-9	PCB-3	U	21.7	21.7	pg/L	21.7
13029-08-8	PCB-4	U	21.7	21.7	pg/L	21.7
16605-91-7	PCB-5	U	21.7	21.7	pg/L	21.7
25569-80-6	PCB-6	U	21.7	21.7	pg/L	21.7
33284-50-3	PCB-7	U	21.7	21.7	pg/L	21.7
34883-43-7	PCB-8	U	21.7	21.7	pg/L	21.7
34883-39-1	PCB-9	U	21.7	21.7	pg/L	21.7
33146-45-1	PCB-10	U	21.7	21.7	pg/L	21.7
2050-67-1	PCB-11		57.3	48.5	pg/L	21.7
PCB-12/13	PCB-13/12	CU	43.4	43.4	pg/L	43.4
34883-41-5	PCB-14	U	21.7	21.7	pg/L	21.7
2050-68-2	PCB-15	U	21.7	21.7	pg/L	21.7
38444-78-9	PCB-16	U	21.7	21.7	pg/L	21.7
37680-66-3	PCB-17	U	21.7	21.7	pg/L	21.7
PCB-18/30	PCB-18/30	CU	43.4	43.4	pg/L	43.4
38444-73-4	PCB-19	U	21.7	21.7	pg/L	21.7
PCB-20/28	PCB-20/28	CU	43.4	43.4	pg/L	43.4
PCB-21/33	PCB-21/33	CU	43.4	43.4	pg/L	43.4
38444-85-8	PCB-22	U	21.7	21.7	pg/L	21.7
55720-44-0	PCB-23	U	21.7	21.7	pg/L	21.7
55702-45-9	PCB-24	U	21.7	21.7	pg/L	21.7
55712-37-3	PCB-25	U	21.7	21.7	pg/L	21.7
PCB-26/29	PCB-26/29	CU	43.4	43.4	pg/L	43.4
38444-76-7	PCB-27	U	21.7	21.7	pg/L	21.7
16606-02-3	PCB-31	U	21.7	21.7	pg/L	21.7
38444-77-8	PCB-32	U	21.7	21.7	pg/L	21.7
37680-68-5	PCB-34	U	21.7	21.7	pg/L	21.7
37680-69-6	PCB-35	U	21.7	21.7	pg/L	21.7
38444-87-0	PCB-36	U	21.7	21.7	pg/L	21.7
38444-90-5	PCB-37	U	21.7	21.7	pg/L	21.7

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.7	21.7	pg/L	21.7
38444-88-1	PCB-39	U	21.7	21.7	pg/L	21.7
PCB-40/71	PCB-40/71	CU	43.4	43.4	pg/L	43.4
52663-59-9	PCB-41	U	21.7	21.7	pg/L	21.7
36559-22-5	PCB-42	U	21.7	21.7	pg/L	21.7
70362-46-8	PCB-43	U	21.7	21.7	pg/L	21.7
PCB-44/47/65	PCB-44/65/47	C	105	103	pg/L	65.2
PCB-45/51	PCB-45/51	CU	43.4	43.4	pg/L	43.4
41464-47-5	PCB-46	U	21.7	21.7	pg/L	21.7
70362-47-9	PCB-48	U	21.7	21.7	pg/L	21.7
PCB-49/69	PCB-69/49	C	56.9	55.2	pg/L	43.4
PCB-50/53	PCB-50/53	CU	43.4	43.4	pg/L	43.4
35693-99-3	PCB-52		251	250	pg/L	21.7
15968-05-5	PCB-54	U	21.7	21.7	pg/L	21.7
74338-24-2	PCB-55	U	21.7	21.7	pg/L	21.7
41464-43-1	PCB-56		57.5	56.1	pg/L	21.7
70424-67-8	PCB-57	U	21.7	21.7	pg/L	21.7
41464-49-7	PCB-58	U	21.7	21.7	pg/L	21.7
PCB-59/62/75	PCB-59/62/75	CU	65.2	65.2	pg/L	65.2
33025-41-1	PCB-60	U	21.7	21.7	pg/L	21.7
PCB-61-76	PCB-61/76/70/74	C	240	238	pg/L	86.9
74472-34-7	PCB-63	U	21.7	21.7	pg/L	21.7
52663-58-8	PCB-64		35.0	33.5	pg/L	21.7
32598-10-0	PCB-66		84.8	83.6	pg/L	21.7
73575-53-8	PCB-67	U	21.7	21.7	pg/L	21.7
73575-52-7	PCB-68	U	21.7	21.7	pg/L	21.7
41464-42-0	PCB-72	U	21.7	21.7	pg/L	21.7
74338-23-1	PCB-73	U	21.7	21.7	pg/L	21.7
32598-13-3	PCB-77		64.6	63.2	pg/L	21.7
70362-49-1	PCB-78	U	21.7	21.7	pg/L	21.7
41464-48-6	PCB-79	U	21.7	21.7	pg/L	21.7
33284-52-5	PCB-80	U	21.7	21.7	pg/L	21.7

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.7	21.7	pg/L	21.7
52663-62-4	PCB-82		185	183	pg/L	21.7
60145-20-2	PCB-83		80.3	78.2	pg/L	21.7
52663-60-2	PCB-84		292	290	pg/L	21.7
PCB-85-117	PCB-117/116/85	C	307	306	pg/L	65.2
PCB-86-125	PCB-86/87/97/109/119/125	C	1050	1050	pg/L	130
PCB-88/91	PCB-88/91	C	184	183	pg/L	43.4
73575-57-2	PCB-89	U	21.7	21.7	pg/L	21.7
PCB-90-113	PCB-113/90/101	C	1230	1230	pg/L	65.2
52663-61-3	PCB-92		257	256	pg/L	21.7
PCB-93/100	PCB-93/100	CU	43.4	43.4	pg/L	43.4
73575-55-0	PCB-94	U	21.7	21.7	pg/L	21.7
38379-99-6	PCB-95		1040	1040	pg/L	21.7
73575-54-9	PCB-96	U	21.7	21.7	pg/L	21.7
PCB-98/102	PCB-102/98	CU	43.4	43.4	pg/L	43.4
38380-01-7	PCB-99		691	689	pg/L	21.7
60145-21-3	PCB-103	U	21.7	21.7	pg/L	21.7
56558-16-8	PCB-104	U	21.7	21.7	pg/L	21.7
32598-14-4	PCB-105		953	951	pg/L	21.7
70424-69-0	PCB-106	U	21.7	21.7	pg/L	21.7
70424-68-9	PCB-107		117	116	pg/L	21.7
PCB-108/124	PCB-108/124	C	88.5	86.9	pg/L	43.4
PCB-110/115	PCB-110/115	CU	43.4	43.4	pg/L	43.4
39635-32-0	PCB-111	U	21.7	21.7	pg/L	21.7
74472-36-9	PCB-112	U	21.7	21.7	pg/L	21.7
74472-37-0	PCB-114	U	21.7	21.7	pg/L	21.7
31508-00-6	PCB-118		1420	1420	pg/L	21.7
68194-12-7	PCB-120	U	21.7	21.7	pg/L	21.7
56558-18-0	PCB-121	U	21.7	21.7	pg/L	21.7
76842-07-4	PCB-122		26.7	25	pg/L	21.7
65510-44-3	PCB-123		36.3	34.5	pg/L	21.7
57465-28-8	PCB-126		27.2	25.2	pg/L	21.7

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.7	21.7	pg/L	21.7
PCB-128/166	PCB-128/166	C	866	864	pg/L	43.4
PCB-129-163	PCB-138/163/129	C	4690	4690	pg/L	65.2
52663-66-8	PCB-130		290	289	pg/L	21.7
61798-70-7	PCB-131		44.9	43.1	pg/L	21.7
38380-05-1	PCB-132		1250	1250	pg/L	21.7
35694-04-3	PCB-133		44.0	42.4	pg/L	21.7
52704-70-8	PCB-134		190	188	pg/L	21.7
PCB-135/151	PCB-151/135	C	738	737	pg/L	43.4
38411-22-2	PCB-136		241	240	pg/L	21.7
35694-06-5	PCB-137		219	218	pg/L	21.7
PCB-139/140	PCB-139/140	C	57.6	56.1	pg/L	43.4
52712-04-6	PCB-141		496	494	pg/L	21.7
41411-61-4	PCB-142	U	21.7	21.7	pg/L	21.7
68194-15-0	PCB-143	U	21.7	21.7	pg/L	21.7
68194-14-9	PCB-144		83.2	82.1	pg/L	21.7
74472-40-5	PCB-145	U	21.7	21.7	pg/L	21.7
51908-16-8	PCB-146		427	425	pg/L	21.7
PCB-147/149	PCB-147/149	C	2270	2270	pg/L	43.4
74472-41-6	PCB-148	U	21.7	21.7	pg/L	21.7
68194-08-1	PCB-150	U	21.7	21.7	pg/L	21.7
68194-09-2	PCB-152	U	21.7	21.7	pg/L	21.7
PCB-153/168	PCB-153/168	C	2590	2590	pg/L	43.4
60145-22-4	PCB-154		23.1	22.1	pg/L	21.7
33979-03-2	PCB-155	U	21.7	21.7	pg/L	21.7
PCB-156/157	PCB-156/157	C	525	523	pg/L	43.4
74472-42-7	PCB-158		361	360	pg/L	21.7
39635-35-3	PCB-159	U	21.7	21.7	pg/L	21.7
41411-62-5	PCB-160	U	21.7	21.7	pg/L	21.7
74472-43-8	PCB-161	U	21.7	21.7	pg/L	21.7
39635-34-2	PCB-162	U	21.7	21.7	pg/L	21.7
74472-45-0	PCB-164		297	296	pg/L	21.7

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.7	21.7	pg/L	21.7
52663-72-6	PCB-167		203	202	pg/L	21.7
32774-16-6	PCB-169	U	21.7	21.7	pg/L	21.7
35065-30-6	PCB-170		843	841	pg/L	21.7
PCB-171/173	PCB-173/171	C	235	234	pg/L	43.4
52663-74-8	PCB-172		153	151	pg/L	21.7
38411-25-5	PCB-174		774	773	pg/L	21.7
40186-70-7	PCB-175		29.2	28	pg/L	21.7
52663-65-7	PCB-176		63.9	63.1	pg/L	21.7
52663-70-4	PCB-177		483	481	pg/L	21.7
52663-67-9	PCB-178		137	136	pg/L	21.7
52663-64-6	PCB-179		218	218	pg/L	21.7
PCB-180/193	PCB-193/180	CU	43.4	43.4	pg/L	43.4
74472-47-2	PCB-181	U	21.7	21.7	pg/L	21.7
60145-23-5	PCB-182	U	21.7	21.7	pg/L	21.7
PCB-183/185	PCB-183/185	C	457	455	pg/L	43.4
74472-48-3	PCB-184	U	21.7	21.7	pg/L	21.7
74472-49-4	PCB-186	U	21.7	21.7	pg/L	21.7
52663-68-0	PCB-187		877	876	pg/L	21.7
74487-85-7	PCB-188	U	21.7	21.7	pg/L	21.7
39635-31-9	PCB-189		35.7	34.3	pg/L	21.7
41411-64-7	PCB-190		151	150	pg/L	21.7
74472-50-7	PCB-191		30.6	29.5	pg/L	21.7
74472-51-8	PCB-192	U	21.7	21.7	pg/L	21.7
35694-08-7	PCB-194		332	331	pg/L	21.7
52663-78-2	PCB-195		118	117	pg/L	21.7
42740-50-1	PCB-196		149	148	pg/L	21.7
PCB-197/200	PCB-197/200	CU	43.4	43.4	pg/L	43.4
PCB-198/199	PCB-198/199	C	357	356	pg/L	43.4
40186-71-8	PCB-201		33.4	32.5	pg/L	21.7
2136-99-4	PCB-202		56.7	55.7	pg/L	21.7
52663-76-0	PCB-203		196	195	pg/L	21.7

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.7	21.7	pg/L	21.7
74472-53-0	PCB-205	U	21.7	21.7	pg/L	21.7
40186-72-9	PCB-206		106	105	pg/L	21.7
52663-79-3	PCB-207	U	21.7	21.7	pg/L	21.7
52663-77-1	PCB-208		24.9	23.7	pg/L	21.7
2051-24-3	PCB-209		32.4	27.3	pg/L	21.7
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		57.3	48.5	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		894	882	pg/L	
25429-29-2	Total Penta PCBs		7990	7960	pg/L	
26601-64-9	Total Hexa PCBs		15900	15900	pg/L	
28655-71-2	Total Hepta PCBs		4490	4470	pg/L	
55722-26-4	Total Octa PCBs		1240	1230	pg/L	
53742-07-7	Total Nona PCBs		131	128	pg/L	
DECACB(Tot)	Total Deca PCB		32.4	27.3	pg/L	
1336-36-3	Total PCB Congeners		30700	30600	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		716	2170	pg/L	32.9	(15%-150%)
13C-3-MoCB		887	2170	pg/L	40.8	(15%-150%)
13C-4-DiCB		941	2170	pg/L	43.3	(25%-150%)
13C-15-DiCB		1460	2170	pg/L	67.3	(25%-150%)
13C-19-TrCB		1270	2170	pg/L	58.3	(25%-150%)
13C-37-TrCB		1710	2170	pg/L	78.7	(25%-150%)
13C-54-TeCB		1290	2170	pg/L	59.3	(25%-150%)
13C-77-TeCB		2260	2170	pg/L	104	(25%-150%)
13C-81-TeCB		2270	2170	pg/L	104	(25%-150%)
13C-104-PeCB		1200	2170	pg/L	55.3	(25%-150%)
13C-105-PeCB		1910	2170	pg/L	87.8	(25%-150%)
13C-114-PeCB		1810	2170	pg/L	83.3	(25%-150%)
13C-118-PeCB		1890	2170	pg/L	86.8	(25%-150%)
13C-123-PeCB		1970	2170	pg/L	90.7	(25%-150%)
13C-126-PeCB		2120	2170	pg/L	97.7	(25%-150%)
13C-155-HxCB		1330	2170	pg/L	61.4	(25%-150%)
13C-156-HxCB	C	3310	4340	pg/L	76.2	(25%-150%)
13C-167-HxCB		1650	2170	pg/L	75.9	(25%-150%)
13C-169-HxCB		1970	2170	pg/L	90.5	(25%-150%)
13C-188-HpCB		1180	2170	pg/L	54.4	(25%-150%)
13C-189-HpCB		1470	2170	pg/L	67.6	(25%-150%)
13C-202-OcCB		1370	2170	pg/L	63.1	(25%-150%)
13C-205-OcCB		1940	2170	pg/L	89.5	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4225**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6473002**	**Date Collected:**	**07/29/2014 11:18**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/01/2014 09:37**		
Client ID:	**WT_IPC-14-56019**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/20/2014 23:08**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_6-5**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**920.6 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1970	2170	pg/L	90.9	(25%-150%)
13C-208-NoCB		1720	2170	pg/L	79.0	(25%-150%)
13C-209-DeCB		2010	2170	pg/L	92.4	(25%-150%)
13C-28-TrCB		1680	2170	pg/L	77.3	(30%-135%)
13C-111-PeCB		2020	2170	pg/L	93.0	(30%-135%)
13C-178-HpCB		2000	2170	pg/L	92.2	(30%-135%)

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	21.6	21.6	pg/L	21.6
2051-61-8	PCB-2	U	21.6	21.6	pg/L	21.6
2051-62-9	PCB-3	U	21.6	21.6	pg/L	21.6
13029-08-8	PCB-4	U	21.6	21.6	pg/L	21.6
16605-91-7	PCB-5	U	21.6	21.6	pg/L	21.6
25569-80-6	PCB-6	U	21.6	21.6	pg/L	21.6
33284-50-3	PCB-7	U	21.6	21.6	pg/L	21.6
34883-43-7	PCB-8		27.1	22.8	pg/L	21.6
34883-39-1	PCB-9	U	21.6	21.6	pg/L	21.6
33146-45-1	PCB-10	U	21.6	21.6	pg/L	21.6
2050-67-1	PCB-11		84.6	75.7	pg/L	21.6
PCB-12/13	PCB-13/12	CU	43.1	43.1	pg/L	43.1
34883-41-5	PCB-14	U	21.6	21.6	pg/L	21.6
2050-68-2	PCB-15		28.7	22.2	pg/L	21.6
38444-78-9	PCB-16	U	21.6	21.6	pg/L	21.6
37680-66-3	PCB-17	U	23.1	21.6	pg/L	21.6
PCB-18/30	PCB-18/30	C	56.4	55.2	pg/L	43.1
38444-73-4	PCB-19	U	21.6	21.6	pg/L	21.6
PCB-20/28	PCB-20/28	C	122	121	pg/L	43.1
PCB-21/33	PCB-21/33	C	59.8	58.8	pg/L	43.1
38444-85-8	PCB-22		32.4	31.4	pg/L	21.6
55720-44-0	PCB-23	U	21.6	21.6	pg/L	21.6
55702-45-9	PCB-24	U	21.6	21.6	pg/L	21.6
55712-37-3	PCB-25	U	21.6	21.6	pg/L	21.6
PCB-26/29	PCB-26/29	CU	43.1	43.1	pg/L	43.1
38444-76-7	PCB-27	U	21.6	21.6	pg/L	21.6
16606-02-3	PCB-31		105	104	pg/L	21.6
38444-77-8	PCB-32	U	21.6	21.6	pg/L	21.6
37680-68-5	PCB-34	U	21.6	21.6	pg/L	21.6
37680-69-6	PCB-35	U	21.6	21.6	pg/L	21.6
38444-87-0	PCB-36	U	21.6	21.6	pg/L	21.6
38444-90-5	PCB-37		59.3	58	pg/L	21.6

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.6	21.6	pg/L	21.6
38444-88-1	PCB-39	U	21.6	21.6	pg/L	21.6
PCB-40/71	PCB-40/71	C	136	135	pg/L	43.1
52663-59-9	PCB-41	U	21.6	21.6	pg/L	21.6
36559-22-5	PCB-42		75.7	73.6	pg/L	21.6
70362-46-8	PCB-43	U	21.6	21.6	pg/L	21.6
PCB-44/47/65	PCB-44/65/47	C	947	945	pg/L	64.7
PCB-45/51	PCB-45/51	CU	43.1	43.1	pg/L	43.1
41464-47-5	PCB-46	U	21.6	21.6	pg/L	21.6
70362-47-9	PCB-48		49.2	47.3	pg/L	21.6
PCB-49/69	PCB-69/49	C	548	546	pg/L	43.1
PCB-50/53	PCB-50/53	C	46.5	45.6	pg/L	43.1
35693-99-3	PCB-52		2690	2690	pg/L	21.6
15968-05-5	PCB-54	U	21.6	21.6	pg/L	21.6
74338-24-2	PCB-55	U	21.6	21.6	pg/L	21.6
41464-43-1	PCB-56		238	237	pg/L	21.6
70424-67-8	PCB-57	U	21.6	21.6	pg/L	21.6
41464-49-7	PCB-58	U	21.6	21.6	pg/L	21.6
PCB-59/62/75	PCB-59/62/75	CU	64.7	64.7	pg/L	64.7
33025-41-1	PCB-60		77.1	75.8	pg/L	21.6
PCB-61-76	PCB-61/76/70/74	C	2010	2010	pg/L	86.2
74472-34-7	PCB-63	U	21.6	21.6	pg/L	21.6
52663-58-8	PCB-64		318	317	pg/L	21.6
32598-10-0	PCB-66		587	586	pg/L	21.6
73575-53-8	PCB-67	U	21.6	21.6	pg/L	21.6
73575-52-7	PCB-68	U	21.6	21.6	pg/L	21.6
41464-42-0	PCB-72	U	21.6	21.6	pg/L	21.6
74338-23-1	PCB-73		162	161	pg/L	21.6
32598-13-3	PCB-77		195	193	pg/L	21.6
70362-49-1	PCB-78	U	21.6	21.6	pg/L	21.6
41464-48-6	PCB-79		31.9	30.8	pg/L	21.6
33284-52-5	PCB-80	U	21.6	21.6	pg/L	21.6

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.6	21.6	pg/L	21.6
52663-62-4	PCB-82		577	575	pg/L	21.6
60145-20-2	PCB-83		349	347	pg/L	21.6
52663-60-2	PCB-84		1380	1380	pg/L	21.6
PCB-85-117	PCB-117/116/85	C	1460	1460	pg/L	64.7
PCB-86-125	PCB-86/87/97/109/119/125	C	5410	5410	pg/L	129
PCB-88/91	PCB-88/91	C	962	960	pg/L	43.1
73575-57-2	PCB-89		26.6	24.7	pg/L	21.6
PCB-90-113	PCB-113/90/101	C	12400	12400	pg/L	64.7
52663-61-3	PCB-92		1960	1960	pg/L	21.6
PCB-93/100	PCB-93/100	CU	43.1	43.1	pg/L	43.1
73575-55-0	PCB-94	U	21.6	21.6	pg/L	21.6
38379-99-6	PCB-95		8630	8620	pg/L	21.6
73575-54-9	PCB-96	U	22.0	21.6	pg/L	21.6
PCB-98/102	PCB-102/98	C	101	98.8	pg/L	43.1
38380-01-7	PCB-99		4200	4200	pg/L	21.6
60145-21-3	PCB-103		39.1	37.5	pg/L	21.6
56558-16-8	PCB-104	U	21.6	21.6	pg/L	21.6
32598-14-4	PCB-105		3280	3270	pg/L	21.6
70424-69-0	PCB-106	U	21.6	21.6	pg/L	21.6
70424-68-9	PCB-107		580	578	pg/L	21.6
PCB-108/124	PCB-108/124	C	390	389	pg/L	43.1
PCB-110/115	PCB-110/115	CU	43.1	43.1	pg/L	43.1
39635-32-0	PCB-111	U	21.6	21.6	pg/L	21.6
74472-36-9	PCB-112	U	21.6	21.6	pg/L	21.6
74472-37-0	PCB-114		95.3	93.4	pg/L	21.6
31508-00-6	PCB-118		8260	8260	pg/L	21.6
68194-12-7	PCB-120		24.6	23.3	pg/L	21.6
56558-18-0	PCB-121	U	21.6	21.6	pg/L	21.6
76842-07-4	PCB-122		84.4	82.7	pg/L	21.6
65510-44-3	PCB-123		143	141	pg/L	21.6
57465-28-8	PCB-126		117	115	pg/L	21.6

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.6	21.6	pg/L	21.6
PCB-128/166	PCB-128/166	C	3400	3400	pg/L	43.1
PCB-129-163	PCB-138/163/129	C	37200	37200	pg/L	64.7
52663-66-8	PCB-130		1520	1520	pg/L	21.6
61798-70-7	PCB-131		261	259	pg/L	21.6
38380-05-1	PCB-132		10400	10400	pg/L	21.6
35694-04-3	PCB-133		376	375	pg/L	21.6
52704-70-8	PCB-134		1620	1610	pg/L	21.6
PCB-135/151	PCB-151/135	C	12700	12700	pg/L	43.1
38411-22-2	PCB-136		3840	3840	pg/L	21.6
35694-06-5	PCB-137		686	684	pg/L	21.6
PCB-139/140	PCB-139/140	C	263	262	pg/L	43.1
52712-04-6	PCB-141		7570	7570	pg/L	21.6
41411-61-4	PCB-142	U	21.6	21.6	pg/L	21.6
68194-15-0	PCB-143	U	21.6	21.6	pg/L	21.6
68194-14-9	PCB-144		1570	1570	pg/L	21.6
74472-40-5	PCB-145	U	21.6	21.6	pg/L	21.6
51908-16-8	PCB-146		4430	4430	pg/L	21.6
PCB-147/149	PCB-147/149	C	28600	28600	pg/L	43.1
74472-41-6	PCB-148	U	21.6	21.6	pg/L	21.6
68194-08-1	PCB-150		36.1	35.3	pg/L	21.6
68194-09-2	PCB-152	U	21.6	21.6	pg/L	21.6
PCB-153/168	PCB-153/168	C	32300	32300	pg/L	43.1
60145-22-4	PCB-154		145	144	pg/L	21.6
33979-03-2	PCB-155	U	21.6	21.6	pg/L	21.6
PCB-156/157	PCB-156/157	C	2730	2730	pg/L	43.1
74472-42-7	PCB-158		2890	2890	pg/L	21.6
39635-35-3	PCB-159	U	21.6	21.6	pg/L	21.6
41411-62-5	PCB-160	U	21.6	21.6	pg/L	21.6
74472-43-8	PCB-161	U	21.6	21.6	pg/L	21.6
39635-34-2	PCB-162		101	99.7	pg/L	21.6
74472-45-0	PCB-164		2480	2480	pg/L	21.6

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.6	21.6	pg/L	21.6
52663-72-6	PCB-167		1240	1230	pg/L	21.6
32774-16-6	PCB-169		44.6	43.4	pg/L	21.6
35065-30-6	PCB-170		10500	10500	pg/L	21.6
PCB-171/173	PCB-173/171	C	3370	3370	pg/L	43.1
52663-74-8	PCB-172		1970	1960	pg/L	21.6
38411-25-5	PCB-174		12300	12300	pg/L	21.6
40186-70-7	PCB-175		474	473	pg/L	21.6
52663-65-7	PCB-176		1490	1490	pg/L	21.6
52663-70-4	PCB-177		7140	7140	pg/L	21.6
52663-67-9	PCB-178		2490	2490	pg/L	21.6
52663-64-6	PCB-179		5050	5050	pg/L	21.6
PCB-180/193	PCB-193/180	CU	43.1	43.1	pg/L	43.1
74472-47-2	PCB-181		50.0	48.6	pg/L	21.6
60145-23-5	PCB-182		26.2	24.9	pg/L	21.6
PCB-183/185	PCB-183/185	C	8290	8290	pg/L	43.1
74472-48-3	PCB-184	U	21.6	21.6	pg/L	21.6
74472-49-4	PCB-186	U	21.6	21.6	pg/L	21.6
52663-68-0	PCB-187		15200	15200	pg/L	21.6
74487-85-7	PCB-188	U	21.6	21.6	pg/L	21.6
39635-31-9	PCB-189		364	362	pg/L	21.6
41411-64-7	PCB-190		2210	2200	pg/L	21.6
74472-50-7	PCB-191		406	405	pg/L	21.6
74472-51-8	PCB-192	U	21.6	21.6	pg/L	21.6
35694-08-7	PCB-194		3990	3990	pg/L	21.6
52663-78-2	PCB-195		1880	1880	pg/L	21.6
42740-50-1	PCB-196		2320	2320	pg/L	21.6
PCB-197/200	PCB-197/200	C	771	770	pg/L	43.1
PCB-198/199	PCB-198/199	C	5160	5150	pg/L	43.1
40186-71-8	PCB-201		576	575	pg/L	21.6
2136-99-4	PCB-202		860	859	pg/L	21.6
52663-76-0	PCB-203		3040	3040	pg/L	21.6

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.6	21.6	pg/L	21.6
74472-53-0	PCB-205		195	194	pg/L	21.6
40186-72-9	PCB-206		1210	1210	pg/L	21.6
52663-79-3	PCB-207		141	140	pg/L	21.6
52663-77-1	PCB-208		284	283	pg/L	21.6
2051-24-3	PCB-209		165	160	pg/L	21.6
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		140	121	pg/L	
25323-68-6	Total Tri PCBs		458	428	pg/L	
26914-33-0	Total Tetra PCBs		8110	8090	pg/L	
25429-29-2	Total Penta PCBs		50500	50500	pg/L	
26601-64-9	Total Hexa PCBs		156000	156000	pg/L	
28655-71-2	Total Hepta PCBs		71400	71300	pg/L	
55722-26-4	Total Octa PCBs		18800	18800	pg/L	
53742-07-7	Total Nona PCBs		1640	1630	pg/L	
DECACB(Tot)	Total Deca PCB		165	160	pg/L	
1336-36-3	Total PCB Congeners		308000	307000	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1200	2160	pg/L	55.7	(15%-150%)
13C-3-MoCB		1470	2160	pg/L	68.1	(15%-150%)
13C-4-DiCB		1450	2160	pg/L	67.0	(25%-150%)
13C-15-DiCB		1830	2160	pg/L	85.1	(25%-150%)
13C-19-TrCB		1740	2160	pg/L	80.6	(25%-150%)
13C-37-TrCB		1880	2160	pg/L	87.4	(25%-150%)
13C-54-TeCB		1560	2160	pg/L	72.1	(25%-150%)
13C-77-TeCB		2260	2160	pg/L	105	(25%-150%)
13C-81-TeCB		2340	2160	pg/L	109	(25%-150%)
13C-104-PeCB		1280	2160	pg/L	59.4	(25%-150%)
13C-105-PeCB		1820	2160	pg/L	84.3	(25%-150%)
13C-114-PeCB		1740	2160	pg/L	80.6	(25%-150%)
13C-118-PeCB		1820	2160	pg/L	84.4	(25%-150%)
13C-123-PeCB		1900	2160	pg/L	88.3	(25%-150%)
13C-126-PeCB		1990	2160	pg/L	92.4	(25%-150%)
13C-155-HxCB		1430	2160	pg/L	66.1	(25%-150%)
13C-156-HxCB	C	3190	4310	pg/L	73.9	(25%-150%)
13C-167-HxCB		1610	2160	pg/L	74.9	(25%-150%)
13C-169-HxCB		1850	2160	pg/L	85.7	(25%-150%)
13C-188-HpCB		1500	2160	pg/L	69.6	(25%-150%)
13C-189-HpCB		1710	2160	pg/L	79.5	(25%-150%)
13C-202-OcCB		1680	2160	pg/L	77.8	(25%-150%)
13C-205-OcCB		1850	2160	pg/L	86.0	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4262**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6482001**	**Date Collected:**	**07/29/2014 11:39**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**08/08/2014 09:50**		
Client ID:	**WT_IPC-14-56032**			**Prep Basis:**	**As Received**
Batch ID:	**26729**	**Method:**	**EPA Method 1668A**		
Run Date:	**08/21/2014 11:36**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c18aug14a_7-6**			**Dilution:**	**1**
Prep Batch:	**26726**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**18-AUG-14**	**Prep Aliquot:**	**927.7 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1810	2160	pg/L	83.9	(25%-150%)
13C-208-NoCB		1820	2160	pg/L	84.6	(25%-150%)
13C-209-DeCB		1800	2160	pg/L	83.3	(25%-150%)
13C-28-TrCB		1900	2160	pg/L	88.3	(30%-135%)
13C-111-PeCB		1930	2160	pg/L	89.7	(30%-135%)
13C-178-HpCB		1950	2160	pg/L	90.7	(30%-135%)

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	21.5	21.5	pg/L	21.5
2051-61-8	PCB-2	U	21.5	21.5	pg/L	21.5
2051-62-9	PCB-3	U	21.5	21.5	pg/L	21.5
13029-08-8	PCB-4	U	21.5	21.5	pg/L	21.5
16605-91-7	PCB-5	U	21.5	21.5	pg/L	21.5
25569-80-6	PCB-6	U	21.5	21.5	pg/L	21.5
33284-50-3	PCB-7	U	21.5	21.5	pg/L	21.5
34883-43-7	PCB-8	U	21.5	21.5	pg/L	21.5
34883-39-1	PCB-9	U	21.5	21.5	pg/L	21.5
33146-45-1	PCB-10	U	21.5	21.5	pg/L	21.5
2050-67-1	PCB-11	U	22.2	21.5	pg/L	21.5
PCB-12/13	PCB-13/12	CU	43	43	pg/L	43.0
34883-41-5	PCB-14	U	21.5	21.5	pg/L	21.5
2050-68-2	PCB-15	U	21.5	21.5	pg/L	21.5
38444-78-9	PCB-16	U	21.5	21.5	pg/L	21.5
37680-66-3	PCB-17	U	21.5	21.5	pg/L	21.5
PCB-18/30	PCB-18/30	CU	43	43	pg/L	43.0
38444-73-4	PCB-19	U	21.5	21.5	pg/L	21.5
PCB-20/28	PCB-20/28	CU	43	43	pg/L	43.0
PCB-21/33	PCB-21/33	CU	43	43	pg/L	43.0
38444-85-8	PCB-22	U	21.5	21.5	pg/L	21.5
55720-44-0	PCB-23	U	21.5	21.5	pg/L	21.5
55702-45-9	PCB-24	U	21.5	21.5	pg/L	21.5
55712-37-3	PCB-25	U	21.5	21.5	pg/L	21.5
PCB-26/29	PCB-26/29	CU	43	43	pg/L	43.0
38444-76-7	PCB-27	U	21.5	21.5	pg/L	21.5
16606-02-3	PCB-31	U	21.5	21.5	pg/L	21.5
38444-77-8	PCB-32	U	21.5	21.5	pg/L	21.5
37680-68-5	PCB-34	U	21.5	21.5	pg/L	21.5
37680-69-6	PCB-35	U	21.5	21.5	pg/L	21.5
38444-87-0	PCB-36	U	21.5	21.5	pg/L	21.5
38444-90-5	PCB-37	U	21.5	21.5	pg/L	21.5

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.5	21.5	pg/L	21.5
38444-88-1	PCB-39	U	21.5	21.5	pg/L	21.5
PCB-40/71	PCB-40/71	CU	43	43	pg/L	43.0
52663-59-9	PCB-41	U	21.5	21.5	pg/L	21.5
36559-22-5	PCB-42	U	21.5	21.5	pg/L	21.5
70362-46-8	PCB-43	U	21.5	21.5	pg/L	21.5
PCB-44/47/65	PCB-44/65/47	CU	64.5	64.5	pg/L	64.5
PCB-45/51	PCB-45/51	CU	43	43	pg/L	43.0
41464-47-5	PCB-46	U	21.5	21.5	pg/L	21.5
70362-47-9	PCB-48	U	21.5	21.5	pg/L	21.5
PCB-49/69	PCB-69/49	CU	43	43	pg/L	43.0
PCB-50/53	PCB-50/53	CU	43	43	pg/L	43.0
35693-99-3	PCB-52		56.5	54.2	pg/L	21.5
15968-05-5	PCB-54	U	21.5	21.5	pg/L	21.5
74338-24-2	PCB-55	U	21.5	21.5	pg/L	21.5
41464-43-1	PCB-56	U	21.5	21.5	pg/L	21.5
70424-67-8	PCB-57	U	21.5	21.5	pg/L	21.5
41464-49-7	PCB-58	U	21.5	21.5	pg/L	21.5
PCB-59/62/75	PCB-59/62/75	CU	64.5	64.5	pg/L	64.5
33025-41-1	PCB-60	U	21.5	21.5	pg/L	21.5
PCB-61-76	PCB-61/76/70/74	CU	86	86	pg/L	86.0
74472-34-7	PCB-63	U	21.5	21.5	pg/L	21.5
52663-58-8	PCB-64	U	21.5	21.5	pg/L	21.5
32598-10-0	PCB-66		24.5	22.8	pg/L	21.5
73575-53-8	PCB-67	U	21.5	21.5	pg/L	21.5
73575-52-7	PCB-68	U	21.5	21.5	pg/L	21.5
41464-42-0	PCB-72	U	21.5	21.5	pg/L	21.5
74338-23-1	PCB-73	U	21.5	21.5	pg/L	21.5
32598-13-3	PCB-77	U	21.5	21.5	pg/L	21.5
70362-49-1	PCB-78	U	21.5	21.5	pg/L	21.5
41464-48-6	PCB-79	U	21.5	21.5	pg/L	21.5
33284-52-5	PCB-80	U	21.5	21.5	pg/L	21.5

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.5	21.5	pg/L	21.5
52663-62-4	PCB-82		24.4	22.1	pg/L	21.5
60145-20-2	PCB-83	U	21.5	21.5	pg/L	21.5
52663-60-2	PCB-84		42.7	40.3	pg/L	21.5
PCB-85-117	PCB-117/116/85	CU	64.5	64.5	pg/L	64.5
PCB-86-125	PCB-86/87/97/109/119/125	CU	129	129	pg/L	129
PCB-88/91	PCB-88/91	CU	43	43	pg/L	43.0
73575-57-2	PCB-89	U	21.5	21.5	pg/L	21.5
PCB-90-113	PCB-113/90/101	C	185	184	pg/L	64.5
52663-61-3	PCB-92		30.8	28.6	pg/L	21.5
PCB-93/100	PCB-93/100	CU	43	43	pg/L	43.0
73575-55-0	PCB-94	U	21.5	21.5	pg/L	21.5
38379-99-6	PCB-95		177	175	pg/L	21.5
73575-54-9	PCB-96	U	21.5	21.5	pg/L	21.5
PCB-98/102	PCB-102/98	CU	43	43	pg/L	43.0
38380-01-7	PCB-99		49.1	46.9	pg/L	21.5
60145-21-3	PCB-103	U	21.5	21.5	pg/L	21.5
56558-16-8	PCB-104	U	21.5	21.5	pg/L	21.5
32598-14-4	PCB-105		70.0	67.5	pg/L	21.5
70424-69-0	PCB-106	U	21.5	21.5	pg/L	21.5
70424-68-9	PCB-107	U	21.5	21.5	pg/L	21.5
PCB-108/124	PCB-108/124	CU	43	43	pg/L	43.0
PCB-110/115	PCB-110/115	C	273	271	pg/L	43.0
39635-32-0	PCB-111	U	21.5	21.5	pg/L	21.5
74472-36-9	PCB-112	U	21.5	21.5	pg/L	21.5
74472-37-0	PCB-114	U	21.5	21.5	pg/L	21.5
31508-00-6	PCB-118		144	141	pg/L	21.5
68194-12-7	PCB-120	U	21.5	21.5	pg/L	21.5
56558-18-0	PCB-121	U	21.5	21.5	pg/L	21.5
76842-07-4	PCB-122	U	21.5	21.5	pg/L	21.5
65510-44-3	PCB-123	U	21.5	21.5	pg/L	21.5
57465-28-8	PCB-126	U	21.5	21.5	pg/L	21.5

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.5	21.5	pg/L	21.5
PCB-128/166	PCB-128/166	C	51.1	49.4	pg/L	43.0
PCB-129-163	PCB-138/163/129	C	409	407	pg/L	64.5
52663-66-8	PCB-130		26.6	24.7	pg/L	21.5
61798-70-7	PCB-131	U	21.5	21.5	pg/L	21.5
38380-05-1	PCB-132		147	145	pg/L	21.5
35694-04-3	PCB-133	U	21.5	21.5	pg/L	21.5
52704-70-8	PCB-134	U	21.5	21.5	pg/L	21.5
PCB-135/151	PCB-151/135	C	142	141	pg/L	43.0
38411-22-2	PCB-136		48.6	47.5	pg/L	21.5
35694-06-5	PCB-137	U	21.5	21.5	pg/L	21.5
PCB-139/140	PCB-139/140	CU	43	43	pg/L	43.0
52712-04-6	PCB-141		79.6	77.9	pg/L	21.5
41411-61-4	PCB-142	U	21.5	21.5	pg/L	21.5
68194-15-0	PCB-143	U	21.5	21.5	pg/L	21.5
68194-14-9	PCB-144	U	21.5	21.5	pg/L	21.5
74472-40-5	PCB-145	U	21.5	21.5	pg/L	21.5
51908-16-8	PCB-146		45.7	44.2	pg/L	21.5
PCB-147/149	PCB-147/149	C	299	298	pg/L	43.0
74472-41-6	PCB-148	U	21.5	21.5	pg/L	21.5
68194-08-1	PCB-150	U	21.5	21.5	pg/L	21.5
68194-09-2	PCB-152	U	21.5	21.5	pg/L	21.5
PCB-153/168	PCB-153/168	C	319	317	pg/L	43.0
60145-22-4	PCB-154	U	21.5	21.5	pg/L	21.5
33979-03-2	PCB-155	U	21.5	21.5	pg/L	21.5
PCB-156/157	PCB-156/157	C	45.3	43.6	pg/L	43.0
74472-42-7	PCB-158		40.9	39.6	pg/L	21.5
39635-35-3	PCB-159	U	21.5	21.5	pg/L	21.5
41411-62-5	PCB-160	U	21.5	21.5	pg/L	21.5
74472-43-8	PCB-161	U	21.5	21.5	pg/L	21.5
39635-34-2	PCB-162	U	21.5	21.5	pg/L	21.5
74472-45-0	PCB-164		30.0	28.7	pg/L	21.5

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.5	21.5	pg/L	21.5
52663-72-6	PCB-167		23.3	22	pg/L	21.5
32774-16-6	PCB-169	U	21.5	21.5	pg/L	21.5
35065-30-6	PCB-170		100	98.7	pg/L	21.5
PCB-171/173	PCB-173/171	CU	43	43	pg/L	43.0
52663-74-8	PCB-172	U	21.5	21.5	pg/L	21.5
38411-25-5	PCB-174		105	103	pg/L	21.5
40186-70-7	PCB-175	U	21.5	21.5	pg/L	21.5
52663-65-7	PCB-176	U	21.5	21.5	pg/L	21.5
52663-70-4	PCB-177		60.8	59.2	pg/L	21.5
52663-67-9	PCB-178		24.7	23.4	pg/L	21.5
52663-64-6	PCB-179		47.4	46.5	pg/L	21.5
PCB-180/193	PCB-193/180	C	203	200	pg/L	43.0
74472-47-2	PCB-181	U	21.5	21.5	pg/L	21.5
60145-23-5	PCB-182	U	21.5	21.5	pg/L	21.5
PCB-183/185	PCB-183/185	C	72.0	70.4	pg/L	43.0
74472-48-3	PCB-184	U	21.5	21.5	pg/L	21.5
74472-49-4	PCB-186	U	21.5	21.5	pg/L	21.5
52663-68-0	PCB-187		115	114	pg/L	21.5
74487-85-7	PCB-188	U	21.5	21.5	pg/L	21.5
39635-31-9	PCB-189	U	21.5	21.5	pg/L	21.5
41411-64-7	PCB-190	U	21.5	21.5	pg/L	21.5
74472-50-7	PCB-191	U	21.5	21.5	pg/L	21.5
74472-51-8	PCB-192	U	21.5	21.5	pg/L	21.5
35694-08-7	PCB-194		40.4	39.3	pg/L	21.5
52663-78-2	PCB-195	U	21.5	21.5	pg/L	21.5
42740-50-1	PCB-196		24.8	23.8	pg/L	21.5
PCB-197/200	PCB-197/200	CU	43	43	pg/L	43.0
PCB-198/199	PCB-198/199	CU	43	43	pg/L	43.0
40186-71-8	PCB-201	U	21.5	21.5	pg/L	21.5
2136-99-4	PCB-202	U	21.5	21.5	pg/L	21.5
52663-76-0	PCB-203		30.7	29.6	pg/L	21.5

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for , but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.5	21.5	pg/L	21.5
74472-53-0	PCB-205	U	21.5	21.5	pg/L	21.5
40186-72-9	PCB-206	U	21.5	21.5	pg/L	21.5
52663-79-3	PCB-207	U	21.5	21.5	pg/L	21.5
52663-77-1	PCB-208	U	21.5	21.5	pg/L	21.5
2051-24-3	PCB-209	U	21.5	21.5	pg/L	21.5
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs	U	22.2	0	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		207	194	pg/L	
25429-29-2	Total Penta PCBs		1170	1140	pg/L	
26601-64-9	Total Hexa PCBs		1740	1700	pg/L	
28655-71-2	Total Hepta PCBs		807	789	pg/L	
55722-26-4	Total Octa PCBs		153	147	pg/L	
53742-07-7	Total Nona PCBs	U	0	0	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		4110	4000	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1070	2150	pg/L	49.7	(15%-150%)
13C-3-MoCB		1080	2150	pg/L	50.2	(15%-150%)
13C-4-DiCB		1070	2150	pg/L	49.9	(25%-150%)
13C-15-DiCB		1070	2150	pg/L	49.8	(25%-150%)
13C-19-TrCB		1030	2150	pg/L	47.7	(25%-150%)
13C-37-TrCB		1300	2150	pg/L	60.2	(25%-150%)
13C-54-TeCB		1100	2150	pg/L	51.1	(25%-150%)
13C-77-TeCB		1540	2150	pg/L	71.8	(25%-150%)
13C-81-TeCB		1580	2150	pg/L	73.3	(25%-150%)
13C-104-PeCB		1060	2150	pg/L	49.3	(25%-150%)
13C-105-PeCB		1380	2150	pg/L	64.1	(25%-150%)
13C-114-PeCB		1280	2150	pg/L	59.5	(25%-150%)
13C-118-PeCB		1300	2150	pg/L	60.6	(25%-150%)
13C-123-PeCB		1350	2150	pg/L	62.8	(25%-150%)
13C-126-PeCB		1410	2150	pg/L	65.5	(25%-150%)
13C-155-HxCB		1100	2150	pg/L	51.4	(25%-150%)
13C-156-HxCB	C	2410	4300	pg/L	56.1	(25%-150%)
13C-167-HxCB		1250	2150	pg/L	58.1	(25%-150%)
13C-169-HxCB		1370	2150	pg/L	63.8	(25%-150%)
13C-188-HpCB		1120	2150	pg/L	51.9	(25%-150%)
13C-189-HpCB		1280	2150	pg/L	59.7	(25%-150%)
13C-202-OcCB		1180	2150	pg/L	55.0	(25%-150%)
13C-205-OcCB		1430	2150	pg/L	66.4	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2014-4513**	**Client:**	**LANL001**	**Project:**	**LANL00112**
Lab Sample ID:	**6615001**	**Date Collected:**	**08/22/2014 10:54**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**09/11/2014 10:15**		
Client ID:	**WT_IPC-14-85011**			**Prep Basis:**	**As Received**
Batch ID:	**27040**	**Method:**	**EPA Method 1668A**		
Run Date:	**09/25/2014 13:52**	**Analyst:**	**MJC**	**Instrument:**	**HRP791**
Data File:	**c23sep14a_5-9**			**Dilution:**	**1**
Prep Batch:	**27036**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**23-SEP-14**	**Prep Aliquot:**	**930.3 mL**		

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-206-NoCB		1300	2150	pg/L	60.4	(25%-150%)
13C-208-NoCB		1260	2150	pg/L	58.4	(25%-150%)
13C-209-DeCB		1190	2150	pg/L	55.5	(25%-150%)
13C-28-TrCB		1390	2150	pg/L	64.6	(30%-135%)
13C-111-PeCB		1600	2150	pg/L	74.3	(30%-135%)
13C-178-HpCB		1460	2150	pg/L	67.9	(30%-135%)

Comments:

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

U **Analyte was analyzed for , but not detected above the specified detection limit.**

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-JUL-14 to 31-JUL-14

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.551	0.23	1.01	
3-Chlorobiphenyl (2)	pg/L	0.521	0.247	1.02	
4-Chlorobiphenyl (3)	pg/L	0.575	0.272	1.12	
2,2'-Dichlorobiphenyl (4)	pg/L	3.37	3.76	10.9	
2,3-Dichlorobiphenyl (5)	pg/L	2.73	3.66	10	
2,3'-Dichlorobiphenyl (6)	pg/L	2.16	2.83	7.82	
2,4-Dichlorobiphenyl (7)	pg/L	2.3	3.05	8.39	
2,4'-Dichlorobiphenyl (8)	pg/L	1.98	2.59	7.17	
2,5-Dichlorobiphenyl (9)	pg/L	2.38	3.14	8.67	
2,6-Dichlorobiphenyl (10)	pg/L	2.13	2.57	7.28	
3,3'-Dichlorobiphenyl (11)	pg/L	3.01	3.52	10	
3,4-Dichlorobiphenyl (12)	pg/L	2.62	2.88	8.39	
3,5-Dichlorobiphenyl (14)	pg/L	2.32	3.01	8.34	
4,4'-Dichlorobiphenyl (15)	pg/L	2.94	3.66	10.3	
2,2',3-Trichlorobiphenyl (16)	pg/L	0.886	0.46	1.81	
2,2',4-Trichlorobiphenyl (17)	pg/L	0.828	0.414	1.66	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.668	0.314	1.3	
2,2',6-Trichlorobiphenyl (19)	pg/L	0.827	0.41	1.65	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.57	0.24	1.05	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.591	0.221	1.03	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.582	0.245	1.07	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.575	0.266	1.11	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.585	0.285	1.16	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.522	0.233	0.989	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.6	0.214	1.03	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.559	0.281	1.12	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.542	0.216	0.975	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.518	0.25	1.02	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.57	0.263	1.1	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.619	0.223	1.07	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.584	0.228	1.04	
3,4,4'-Trichlorobiphenyl (37)	pg/L	0.721	0.267	1.26	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.599	0.21	1.02	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.586	0.205	0.995	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	0.949	0.366	1.68	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.14	0.436	2.01	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.09	0.427	1.94	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.18	0.506	2.19	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.16	0.428	2.02	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.65	0.258	1.17	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.611	0.278	1.17	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.01	0.381	1.77	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	0.894	0.304	1.5	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.586	0.235	1.06	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	0.94	0.36	1.66	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.441	0.216	0.873	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-JUL-14 to 31-JUL-14

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.748	0.315	1.38	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.756	0.31	1.38	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.679	0.292	1.26	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.714	0.296	1.31	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.795	0.232	1.26	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.742	0.297	1.34	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	0.818	0.267	1.35	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.651	0.268	1.19	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.778	0.287	1.35	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.696	0.236	1.17	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.645	0.271	1.19	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.65	0.271	1.19	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.643	0.277	1.2	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	0.766	0.309	1.38	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	0.835	0.32	1.47	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.72	0.275	1.27	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.632	0.242	1.12	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.648	0.267	1.18	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.791	0.306	1.4	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.11	0.506	2.12	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.04	0.478	2	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.07	0.524	2.12	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.871	0.33	1.53	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	1.01	0.297	1.61	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.06	0.411	1.88	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	0.977	0.47	1.92	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.93	0.35	1.63	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	0.947	0.457	1.86	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	0.923	0.439	1.8	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.01	0.506	2.02	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.915	0.403	1.72	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.442	0.23	0.902	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.1	0.454	2.01	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.867	0.383	1.63	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.822	0.409	1.64	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.565	0.279	1.12	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	0.995	0.466	1.93	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.859	0.419	1.7	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.783	0.368	1.52	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.854	0.42	1.7	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.939	0.346	1.63	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.745	0.347	1.44	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.733	0.364	1.46	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.01	0.477	1.96	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.922	0.438	1.8	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.683	0.316	1.31	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-JUL-14 to 31-JUL-14

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.73	0.355	1.44	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.922	0.435	1.79	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.925	0.445	1.82	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.11	0.481	2.07	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.861	0.397	1.66	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	0.847	0.335	1.52	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	0.936	0.326	1.59	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.05	0.42	1.89	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.15	0.469	2.09	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.12	0.427	1.98	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.02	0.414	1.85	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.19	0.496	2.18	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	0.674	0.234	1.14	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.445	0.201	0.847	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	0.956	0.372	1.7	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	0.919	0.378	1.67	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.01	0.427	1.87	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.07	0.458	1.98	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	0.96	0.44	1.84	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.613	0.289	1.19	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.485	0.217	0.919	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	0.912	0.415	1.74	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	0.911	0.374	1.66	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.602	0.255	1.11	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.465	0.219	0.904	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.431	0.197	0.825	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	0.868	0.206	1.28	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.563	0.248	1.06	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.467	0.189	0.845	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	0.928	0.388	1.7	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	0.704	0.271	1.25	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	0.593	0.227	1.05	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	0.834	0.332	1.5	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	0.758	0.309	1.38	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	0.619	0.236	1.09	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	0.77	0.322	1.41	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	0.856	0.346	1.55	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	0.648	0.239	1.13	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	0.676	0.224	1.12	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	0.78	0.285	1.35	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	0.806	0.282	1.37	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	0.766	0.286	1.34	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	0.777	0.319	1.42	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	0.583	0.27	1.12	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.47	0.206	0.883	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	0.758	0.315	1.39	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-JUL-14 to 31-JUL-14

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	0.616	0.285	1.19	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.451	0.207	0.864	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.13	0.864	2.86	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	0.736	0.291	1.32	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	0.614	0.291	1.2	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	0.775	0.222	1.22	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.462	0.2	0.861	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.492	0.224	0.94	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	0.583	0.272	1.13	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.524	0.224	0.973	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	0.625	0.241	1.11	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	0.586	0.209	1	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	0.565	0.209	0.983	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	0.639	0.245	1.13	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	0.644	0.278	1.2	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	0.601	0.235	1.07	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	0.588	0.214	1.02	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	0.539	0.214	0.966	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	0.712	0.281	1.27	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.442	0.17	0.782	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	0.539	0.212	0.963	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	0.621	0.24	1.1	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	0.45	0.171	0.793	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	0.514	0.151	0.817	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	0.935	0.35	1.64	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.657	0.269	1.2	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	0.709	0.248	1.21	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	0.681	0.28	1.24	

** = PQL adjusted to the MBCV.*

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-14 to 31-AUG-14

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.681	0.42	1.52	
3-Chlorobiphenyl (2)	pg/L	0.613	0.43	1.47	
4-Chlorobiphenyl (3)	pg/L	0.646	0.317	1.28	
2,2'-Dichlorobiphenyl (4)	pg/L	3.61	2.47	8.55	
2,3-Dichlorobiphenyl (5)	pg/L	2.72	2.1	6.92	
2,3'-Dichlorobiphenyl (6)	pg/L	2.14	1.33	4.79	
2,4-Dichlorobiphenyl (7)	pg/L	2.24	1.44	5.11	
2,4'-Dichlorobiphenyl (8)	pg/L	1.99	1.14	4.26	
2,5-Dichlorobiphenyl (9)	pg/L	2.38	1.78	5.95	
2,6-Dichlorobiphenyl (10)	pg/L	2.14	1.45	5.05	
3,3'-Dichlorobiphenyl (11)	pg/L	3.52	2.66	8.84	
3,4-Dichlorobiphenyl (12)	pg/L	3.08	1.46	5.99	
3,5-Dichlorobiphenyl (14)	pg/L	2.41	1.39	5.19	
4,4'-Dichlorobiphenyl (15)	pg/L	3.21	1.63	6.48	
2,2',3-Trichlorobiphenyl (16)	pg/L	0.786	0.443	1.67	
2,2',4-Trichlorobiphenyl (17)	pg/L	0.727	0.452	1.63	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.629	0.295	1.22	
2,2',6-Trichlorobiphenyl (19)	pg/L	0.741	0.394	1.53	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.562	0.252	1.07	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.565	0.192	0.949	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.54	0.258	1.05	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.521	0.264	1.05	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.512	0.304	1.12	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.48	0.218	0.916	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.554	0.214	0.982	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.492	0.304	1.1	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.557	0.207	0.971	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.465	0.259	0.983	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.513	0.291	1.1	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.566	0.221	1.01	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.533	0.234	1	
3,4,4'-Trichlorobiphenyl (37)	pg/L	0.662	0.296	1.25	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.554	0.23	1.01	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.536	0.219	0.974	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	0.871	0.444	1.76	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.06	0.796	2.65	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	0.987	0.55	2.09	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.07	0.638	2.35	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	0.927	0.42	1.77	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.567	0.191	0.949	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.509	0.247	1	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	0.909	0.524	1.96	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	0.829	0.41	1.65	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.495	0.193	0.882	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	0.853	0.516	1.88	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.336	0.144	0.623	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-14 to 31-AUG-14

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.673	0.314	1.3	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.691	0.324	1.34	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.612	0.297	1.21	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.646	0.311	1.27	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.744	0.318	1.38	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.676	0.304	1.28	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	0.787	0.171	1.13	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.591	0.278	1.15	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.712	0.382	1.48	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.61	0.293	1.2	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.592	0.267	1.13	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.595	0.277	1.15	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.585	0.288	1.16	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	0.697	0.423	1.54	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	0.754	0.341	1.44	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.653	0.289	1.23	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.574	0.249	1.07	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.598	0.279	1.16	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.724	0.335	1.4	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.03	0.524	2.08	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	0.994	0.547	2.09	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.02	0.552	2.12	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.851	0.309	1.47	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.914	0.311	1.54	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.07	0.338	1.74	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	0.938	0.5	1.94	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.953	0.323	1.6	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	0.896	0.477	1.85	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	0.872	0.481	1.83	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	0.98	0.541	2.06	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.851	0.47	1.79	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.431	0.254	0.939	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.11	0.399	1.91	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.801	0.448	1.7	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.787	0.442	1.67	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.491	0.26	1.01	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.02	0.429	1.88	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.769	0.4	1.57	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.733	0.396	1.52	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.79	0.392	1.57	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.943	0.251	1.44	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.707	0.368	1.44	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.699	0.385	1.47	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	0.942	0.465	1.87	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.971	0.425	1.82	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.645	0.339	1.32	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-14 to 31-AUG-14

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.695	0.373	1.44	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.826	0.42	1.67	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.866	0.462	1.79	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.04	0.522	2.09	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.813	0.424	1.66	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	0.764	0.362	1.49	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	0.847	0.323	1.49	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	0.908	0.414	1.74	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	0.97	0.427	1.82	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	0.93	0.402	1.73	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	0.857	0.377	1.61	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.02	0.494	2.01	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	0.625	0.24	1.1	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.405	0.196	0.796	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	0.84	0.419	1.68	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	0.799	0.326	1.45	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	0.874	0.409	1.69	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	0.906	0.402	1.71	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	0.833	0.385	1.6	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.542	0.269	1.08	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.441	0.216	0.873	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	0.704	0.323	1.35	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	0.835	0.312	1.46	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.552	0.271	1.09	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.423	0.208	0.84	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.398	0.19	0.777	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	0.709	0.241	1.19	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.5	0.246	0.992	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.43	0.19	0.809	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	0.921	0.367	1.66	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	0.632	0.278	1.19	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	0.577	0.28	1.14	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	0.732	0.345	1.42	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	0.627	0.269	1.16	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	0.599	0.289	1.18	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	0.664	0.312	1.29	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	0.705	0.31	1.32	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	0.647	0.283	1.21	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	0.733	0.269	1.27	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	0.723	0.377	1.48	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	0.797	0.351	1.5	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	0.726	0.382	1.49	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	0.724	0.407	1.54	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	0.587	0.31	1.21	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.432	0.212	0.856	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	0.716	0.388	1.49	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-14 to 31-AUG-14

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	0.614	0.316	1.25	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.423	0.203	0.829	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	0.749	0.268	1.29	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	0.69	0.367	1.42	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	0.625	0.338	1.3	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	0.76	0.299	1.36	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.423	0.204	0.832	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.472	0.236	0.944	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	0.594	0.311	1.22	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.498	0.229	0.956	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	0.658	0.336	1.33	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	0.544	0.273	1.09	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	0.531	0.275	1.08	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	0.611	0.323	1.26	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	0.579	0.219	1.02	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	0.589	0.244	1.08	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	0.555	0.276	1.11	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	0.539	0.214	0.967	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	0.664	0.265	1.19	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.438	0.224	0.886	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	0.521	0.249	1.02	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	0.561	0.283	1.13	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	0.441	0.226	0.892	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	0.503	0.211	0.924	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	0.821	0.346	1.51	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.534	0.244	1.02	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	0.611	0.266	1.14	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.22	1.96	5.14	
41 PCB Congener Sum	pg/L	1.44	0.281	2.01	
41 PCB Congener Sum with EMPCs	pg/L	1.44	0.281	2.01	

** = PQL adjusted to the MBCV.*

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-SEP-14 to 30-SEP-14

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.81	0.941	2.69	
3-Chlorobiphenyl (2)	pg/L	0.849	0.879	2.61	
4-Chlorobiphenyl (3)	pg/L	0.8	0.741	2.28	
2,2'-Dichlorobiphenyl (4)	pg/L	3.43	2.63	8.68	
2,3-Dichlorobiphenyl (5)	pg/L	3.18	2.57	8.32	
2,3'-Dichlorobiphenyl (6)	pg/L	2.4	1.89	6.18	
2,4-Dichlorobiphenyl (7)	pg/L	2.63	2.11	6.85	
2,4'-Dichlorobiphenyl (8)	pg/L	2.17	1.71	5.59	
2,5-Dichlorobiphenyl (9)	pg/L	2.79	2.25	7.29	
2,6-Dichlorobiphenyl (10)	pg/L	2.25	1.79	5.84	
3,3'-Dichlorobiphenyl (11)	pg/L	2.99	2.48	7.95	
3,4-Dichlorobiphenyl (12)	pg/L	2.87	1.99	6.84	
3,5-Dichlorobiphenyl (14)	pg/L	2.59	2.02	6.62	
4,4'-Dichlorobiphenyl (15)	pg/L	3.32	2.64	8.6	
2,2',3-Trichlorobiphenyl (16)	pg/L	0.916	0.628	2.17	
2,2',4-Trichlorobiphenyl (17)	pg/L	0.93	0.701	2.33	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.94	0.585	2.11	
2,2',6-Trichlorobiphenyl (19)	pg/L	0.924	0.753	2.43	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.672	0.493	1.66	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.636	0.425	1.49	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.653	0.466	1.58	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.636	0.456	1.55	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.709	0.54	1.79	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.558	0.389	1.34	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.655	0.443	1.54	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.667	0.518	1.7	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.583	0.421	1.43	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.603	0.433	1.47	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.682	0.525	1.73	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.657	0.379	1.42	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.623	0.391	1.41	
3,4,4'-Trichlorobiphenyl (37)	pg/L	0.782	0.449	1.68	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.632	0.382	1.4	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.626	0.382	1.39	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.01	0.466	1.94	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.46	0.808	3.08	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.09	0.521	2.13	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.22	0.597	2.42	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.06	0.473	2	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.691	0.364	1.42	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.631	0.366	1.36	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.16	0.581	2.32	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	0.972	0.455	1.88	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.628	0.338	1.3	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.13	0.573	2.28	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.443	0.272	0.987	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-SEP-14 to 30-SEP-14

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.774	0.418	1.61	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.851	0.424	1.7	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.74	0.407	1.55	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.806	0.444	1.69	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.873	0.384	1.64	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.782	0.422	1.63	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	0.852	0.395	1.64	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.711	0.382	1.48	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.833	0.395	1.62	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.841	0.435	1.71	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.65	0.355	1.36	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.72	0.39	1.5	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.706	0.393	1.49	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	0.914	0.473	1.86	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	0.888	0.55	1.99	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.736	0.406	1.55	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.647	0.36	1.37	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.658	0.36	1.38	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.846	0.505	1.86	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.19	0.58	2.35	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.27	0.638	2.55	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.18	0.594	2.37	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.95	0.395	1.74	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	1.14	0.521	2.18	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.2	0.476	2.15	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.15	0.572	2.29	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	1.06	0.42	1.9	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.09	0.539	2.17	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.14	0.565	2.27	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.2	0.601	2.4	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	1.09	0.538	2.16	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.622	0.35	1.32	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.19	0.499	2.19	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	1.04	0.543	2.13	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	1.02	0.52	2.06	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.696	0.382	1.46	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.28	0.608	2.49	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	1.01	0.558	2.12	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.947	0.515	1.98	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	1.05	0.56	2.17	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	1	0.413	1.83	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.802	0.4	1.6	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.759	0.37	1.5	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.19	0.667	2.52	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	1.12	0.585	2.29	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.744	0.374	1.49	

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Method 1668 HRMS Aqueous Analysis for 01-SEP-14 to 30-SEP-14

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.853	0.421	1.7	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	1.08	0.575	2.23	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	1.12	0.632	2.38	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.23	0.648	2.52	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	1.01	0.518	2.04	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	0.85	0.39	1.63	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	0.94	0.411	1.76	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	0.99	0.441	1.87	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.08	0.523	2.13	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.03	0.479	1.98	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	0.932	0.434	1.8	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.19	0.619	2.43	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	0.767	0.399	1.57	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.52	0.286	1.09	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	0.98	0.447	1.87	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	0.885	0.414	1.71	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	0.875	0.403	1.68	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	0.978	0.472	1.92	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	0.892	0.434	1.76	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.668	0.355	1.38	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.565	0.305	1.18	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	0.766	0.359	1.48	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	0.923	0.473	1.87	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.677	0.36	1.4	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.539	0.297	1.13	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.499	0.275	1.05	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	0.815	0.348	1.51	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.596	0.319	1.23	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.539	0.282	1.1	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	0.847	0.383	1.61	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	0.675	0.305	1.28	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	0.606	0.293	1.19	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	0.782	0.345	1.47	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	0.667	0.304	1.28	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	0.634	0.304	1.24	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	0.671	0.293	1.26	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	0.778	0.364	1.51	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	0.668	0.311	1.29	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	0.665	0.289	1.24	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	0.766	0.368	1.5	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	0.765	0.334	1.43	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	0.74	0.341	1.42	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	0.697	0.346	1.39	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	0.632	0.291	1.21	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.482	0.235	0.952	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	0.782	0.413	1.61	

Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-SEP-14 to 30-SEP-14

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	0.669	0.317	1.3	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.475	0.235	0.944	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.03	1.26	3.56	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	0.737	0.362	1.46	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	0.629	0.294	1.22	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	0.786	0.377	1.54	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.48	0.241	0.962	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.529	0.264	1.06	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	0.683	0.35	1.38	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.549	0.259	1.07	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	0.765	0.435	1.64	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	0.578	0.246	1.07	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	0.54	0.243	1.03	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	0.629	0.297	1.22	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	0.621	0.218	1.06	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	0.64	0.218	1.07	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	0.592	0.209	1.01	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	0.509	0.161	0.831	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	0.671	0.212	1.09	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.472	0.188	0.848	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	0.529	0.195	0.919	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	0.595	0.208	1.01	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	0.457	0.166	0.79	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	0.502	0.171	0.844	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.06	0.462	1.98	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.75	0.332	1.41	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	0.818	0.355	1.53	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	0.697	0.241	1.18	

** = PQL adjusted to the MBCV.*