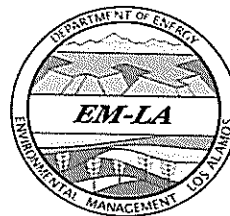




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 2/26/18



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Date: **FEB 26 2018**  
 Symbol: ADESH: 18-002  
 LA-UR: 18-21185  
 Locates Action No.: N/A

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

**Subject: NPDES Permit No. NM0030759 – Storm Water Individual Permit Annual Report**  
**Reporting Period: January 1–December 31, 2017**

Dear Mr. Herrera:

Enclosed please find one hard copy with electronic files of the 2017 Storm Water Individual Permit Annual Report, which contains the 2017 Storm Water Individual Permit Compliance Status Reports (IP-CSRs). 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 2017 Annual Report presents activities and milestones accomplished by the Permittees from January 1 to December 31, 2017. The combined Annual Report and IP-CSRs address the requirements in Section H.1 and H.2 of the Permit, including the following:

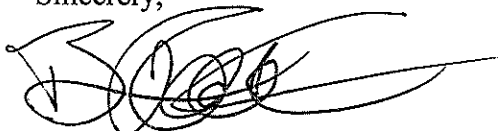
- Storm Water IP-CSRs prepared for the 250 site monitoring areas using the form provided in Appendix D of the Permit. Each IP-CSR has been signed, certified, and dated in accordance with the requirements of Part III.D.11 of the Permit.
- Summary of Site-specific compliance status
- Monitoring results available during the reporting period
- Identification of pollutants of concern that exceed applicable target action levels

- 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, of the Permit
- Summary of inspections performed

The 2017 Annual Report can be accessed at <http://www.lanl.gov> by searching on the key words "Individual Permit" and clicking on the "Reports" tab.

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

Sincerely,



Benjamine B. Roberts  
Division Leader

Sincerely,



David S. Rhodes  
Director

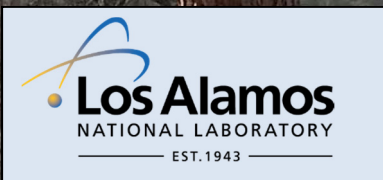
BR/DR/SV:am

Enclosure(s): Enclosure 1 One hard copy with electronic files – Storm Water Individual Permit Annual Report Reporting Period: January 1–December 31, 2017 (EP2018-0007)

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LA-UR-18-21185  
March 2018  
EP2018-0007

# Storm Water Individual Permit Annual Report

Reporting Period:  
January 1–December 31, 2017

NPDES Permit No. NM0030759

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**Prepared by the Associate Directorate for Environmental Management**

---

Cover photo: Individual Permit storm water baseline control installed at  
PJ-SMA-14.4 in 2017

**CERTIFICATION**

**LOS ALAMOS NATIONAL LABORATORY  
NPDES Permit No. NM0030759**

**ANNUAL REPORT  
REPORTING PERIOD: January 1, 2017–December 31, 2017**

**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."



---

Bruce Robinson, Program Director  
Environmental Remediation Program  
Associate Directorate for Environmental Management  
Los Alamos National Security, LLC

2/15/2018

---

Date



**CERTIFICATION**

**LOS ALAMOS NATIONAL LABORATORY  
NPDES Permit No. NM0030759**

**ANNUAL REPORT  
REPORTING PERIOD: January 1, 2017–December 31, 2017**

**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."



David S. Rhodes, Director  
Office of Quality and Regulatory Compliance  
Environmental Management  
Los Alamos Field Office

2-26-2018

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 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, and expired on March 31, 2014, but is administratively continued until a new Permit is issued.

This annual report presents compliance status and activities and milestones accomplished during the period from January 1 to December 31, 2017. Highlights of work performed during the 2017 annual reporting period include the following.

### Baseline activities:

- Installed a total of 64 “additional” control measures at 32 site monitoring areas (SMAs)
- Installed a total of 8 controls to replace existing baseline control measures at 7 SMAs
- Installed a total of 2 controls to replace existing enhanced control measures at 2 SMAs
- Conducted baseline confirmation monitoring at 89 SMAs and collected samples at 2 SMAs.

### Corrective action activities:

- Collected corrective action enhanced control confirmation monitoring samples at 9 SMAs
- Initiated corrective action based on target action level (TAL) exceedances at 2 SMAs
- Initiated enhanced control confirmation monitoring at 62 SMAs in May. Completed corrective action at 1 SMA/Site combination with certification of all results less than TAL.
- Completed corrective action at 10 SMA/Site combinations with certification of completion of corrective action.

### Inspection activities:

- Performed a total of 1331 Permit-required inspections
- Performed a total of 1237 sampling equipment inspections
- Continued testing and piloting the use of radio telemetry equipment in conjunction with automated samplers to aid in prioritizing sample collection and to improve program effectiveness.

### Compliance activities:

- Updated website
- Notified public of Permit-required documents at the Electronic Public Reading Room
- Held two public meetings
- Submitted 2016 update to the “Site Discharge Pollution Prevention Plan, Revision 1”
- Submitted “Storm Water Individual Permit Annual Report Reporting Period: January 1–December 31, 2016”



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Appendix C	Control Measures
Appendix D	Compliance Status Reports

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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 39 mi<sup>2</sup>. It is situated on the Pajarito Plateau, which is made up of a series of fingerlike 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, IP, or Permit) are remotely located and are not associated with current industrial activities.

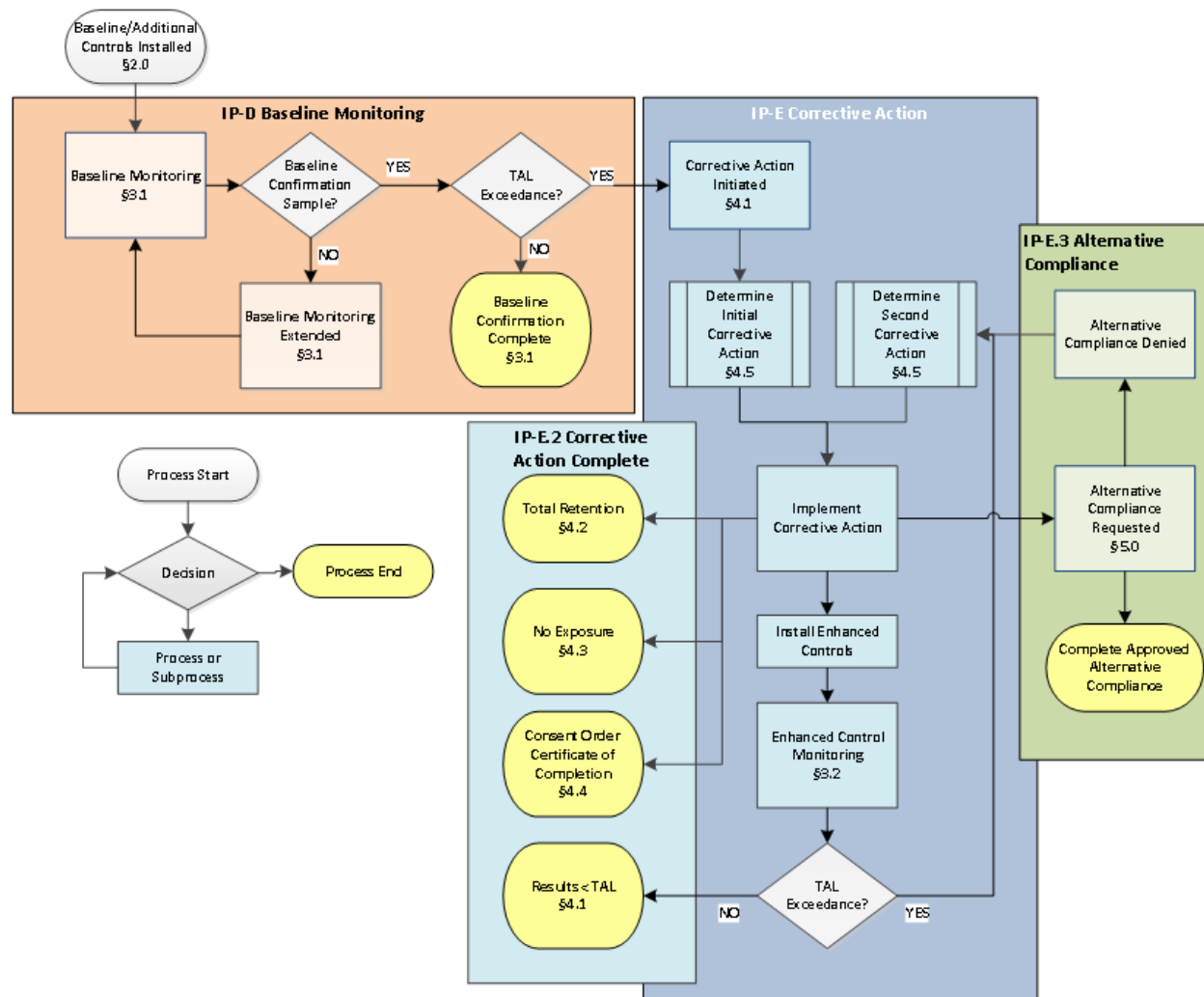
The Permittees have prepared this annual report for the Individual Permit pursuant to the requirements of the Permit as authorized by the U.S. Environmental Protection Agency (EPA). The Permit authorizes storm water discharges associated with historical industrial activities at the Laboratory from specified 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 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 June 2016 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. An AOC is any area other than a SWMU that may have had a release of a hazardous waste or hazardous constituent. 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 or potentially contains “significant industrial material” (e.g., not cleaned up or with contamination in place); and (3) the SWMU/AOC potentially impacts surface water. The investigation and remediation of SWMUs and AOCs under a March 2005 Consent Order began before the effective date of the Individual Permit and continues under the June 2016 Consent Order 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). 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. SMA sampling points were originally identified in Appendix B of the IP. Considerations in the selection of sampling points included Site flow conditions, drainage patterns, 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. Consequently, in some cases, minor adjustments to the SMA sampling points have been made, primarily following installation of storm water control measures, but other minor adjustments have been made to better capture storm water discharging from the SMA. The current SMA sampling points are found on the IP website, and changes are discussed in the annual update to the Site Discharge Pollution Prevention Plan (SDPPP).



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.1, Compliance Status Reports, and Part I.H.2(a) through (k), Annual Reports 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. Six administrative changes since the initiation of the Permit have split one Site, 32-002(b), within

LA-SMA-5.361, into two Sites, 32-002(b1) and 32-002(b2). Site 22-010(b) was identified as existing within PJ-SMA-5.1, Site 14-002(c) was identified as existing within CDV-SMA-6.02, and Site 16-029(e) was identified as existing within W-SMA-7. These administrative changes are reflected in the Renewal Application for NPDES Permit Number NM0030759 (LANL 2014, 254864) and the Supplemental Information for Permit Renewal Application letter (LANL 2015, 600289). The renewal application and supplemental information did not include another Site update: Site 09-005(g) has been identified as existing within in PJ-SMA-4.05. The watershed boundaries of the SMAs associated with these Sites were not affected by these administrative changes. The current monitoring locations representatively capture runoff from Sites added for monitoring. These changes are reflected in Tables 1-2 and 1-3 (and Table 8-3 in Section 8), which list and summarize the SMA and Site relationships. These administrative Site changes are described more fully in Section 10 of this report. Appendix A of this report contains acronyms and abbreviations, a glossary, and a metric conversion table. Appendix B contains analytical monitoring results. Appendix C contains a list of control measures. Appendix D contains the compliance status reports (CSRs).

## **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 has continued to install additional controls that were not included in the initial baseline certification and are not included in a corrective action certification. All BCMS and additional controls installed have been maintained in effective operating condition per Part I.B.2 of the Permit. A control was repaired or replaced when any inspection or observation identified that it was not operating effectively.

### **2.1 Description of Baseline Control Measures**

Appendix C of this annual report provides a detailed list of all BCMS installed and operating on December 31, 2017, at each SMA. In addition to BCMS, the Appendix C list includes additional controls and enhanced controls that have been installed. Each control is assigned one or more of the following functionalities: erosion control (EC), sediment control (SC), run-on control (RON), and runoff control (ROFF), identified in Appendix C. 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 Installed and Control Measures Replaced during 2017**

The Laboratory continued a field effort during 2017 to supplement certified BMPs with additional control measures at some SMAs. These additional control measures consisted of berms, caps, channel/swales, check dams, gabions, and seed and mulch. Additional control measures are installed to improve existing SMA controls and in response to changing SMA conditions. While the Laboratory has identified the need for improving controls at SMAs/Sites, these additional controls are not certified as enhanced controls for one of two reasons: (1) the controls are installed at SMAs in the baseline monitoring Permit phase (e.g., no TAL has been exceeded) or (2) the controls are installed at SMAs that are in corrective action monitoring. The installation of additional controls does not affect the compliance status of the Site or monitoring status at the SMA.

The replacement or retiring of a control measure is initiated with a field inspection recommendation. The inspector's recommendation is reviewed, and control measures can be replaced with equivalent controls or retired if the controls' functionality is maintained by other controls. Maintenance or retiring of controls may be recommended for a number of reasons including but not limited to the following: control functionality is impaired, the control is damaged, or the SMA boundary has changed so that the control is no longer relevant.

As summarized in Table 2-1, additional control measures and replaced baseline control measures installed during 2017 include the following: 64 additional controls at 32 SMAs; 1 retired additional control; 8 controls installed to replace baseline controls at 7 SMAs; and 2 controls installed to replace enhanced controls at 2 SMAs.

### **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. However, if, during any period in which two confirmation samples are required, only one confirmation sample could be collected, compliance with TALs is determined by the single confirmation sample result. If no confirmation sample could be collected during the applicable monitoring period, then compliance with TALs is determined by results from the first confirmation sample to be collected. 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. Snowmelt 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 (e.g., sampling of potable water spill),
- 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 discharged from the Site(s) (e.g., sampling of storm water during a flood from flood plain without representative Site discharge),
- storm water sample volume collected was insufficient to perform all required analyses, or
- storm water discharge was collected and analyzed but did not meet the minimum quality requirements of 40 Code of Federal Regulations (CFR) Part 136 (i.e., holding time was exceeded, incorrect analytical method was used, incorrect bottle type was used).

Confirmation monitoring at an SMA is not required:

- in circumstances where corrective action is complete at all of the Sites within an SMA,
- when baseline monitoring is complete,
- during periods when corrective action is being implemented after a TAL is exceeded, or
- for the 15 d following collection of a confirmation monitoring sample.

Confirmation monitoring is required:

- at an SMA for collection of samples to fulfill baseline monitoring requirements,
- to fulfill corrective action monitoring requirements, or
- to fulfill sampling requirements after completion of corrective action is certified for no exposure.

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 require monitoring for metals, adjusted 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 Appendix B of the Permit.

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

The IP requires monitoring and reporting for adjusted gross alpha. The Permittees measure and report the adjusted gross-alpha radioactivity as gross-alpha radioactivity, without adjustment. The unadjusted value is used to determine the need for corrective action when the TAL of 15 pCi/L is exceeded. The unadjusted gross-alpha activity reported represents the largest possible value for adjusted gross-alpha activity and is therefore a conservative estimate of adjusted gross alpha; see Appendix B for further information regarding adjusted gross alpha.

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 for various designated uses, 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).

Part III.5.a of the Permit specifies that 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. Part 136 establishes guidelines for testing procedures for the analysis of pollutants under the Clean Water Act. These guidelines list approved biologic, inorganic, radiologic, and organic compound test methods by number. The guidelines specify required containers, preservation techniques and holding times for each tested parameter. Part 136 does not include a method for analysis of high explosives or PCB congeners. PCB congeners are analyzed with guidance provided by Method 1668 Revision A as specified by the Permit. High explosives are analyzed with guidance provided by SW-846 Method 8330A for analysis of nitroaromatics and nitramines by high-performance liquid chromatography. Limits to the Permittees’ ability to comply with requirements of 40 CFR Part 136 are described in Appendix B of this report.

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 1 of this report, as required in Part II Appendix A of the Permit.

As noted in Appendix B, storm water monitoring under the IP is conducted using automated sampling techniques at remote and unstaffed locations, resulting in specific challenges in meeting the sample filtration and preservation time requirements of 40 CFR Part 136. Specifically, requirements for sample cooling, chemical preservation, and filtration within 15 min of sample collection are difficult to meet since most of the 250 IP SMA sampling locations are unstaffed, remotely located (i.e., not located at a presently operating facility), and not easily accessible. The Permittees have made significant process improvements in reducing the time from sample collection to sample retrieval; for example, samplers are associated with individual rain gages, which allows field crews to prioritize sample collection following site-specific rainfall events. Sampler inspections and BMP inspections are conducted by different crews to further reduce collection times. The Permittees are currently investing in remote telemetry units for automated samplers that will notify sample collection crews when a sample has been collected. The Permittees are investigating the logistics of chemical preservation and filtration in the field. Although none of these process improvements will allow the Permittees to meet the precise requirements of 40 CFR Part 136, significant effort is being made to comply with 40 CFR 136 while still using automated sampling techniques.

In accordance with Part I.D.4 of the Permit, corrective action monitoring can be modified to exclude pollutants of concern if previous confirmation monitoring results are below applicable TALs. A minimum of two confirmation samples with results below TALs must be collected and analyzed, except as provided in Part I.E.5(d) and (e) of the Permit, which allows one confirmation sample to fulfill monitoring requirements, before a particular pollutant of concern at an SMA can be removed from monitoring requirements. If the sampling location of an SMA receives a minor adjustment, then monitoring of all pollutants of concern at that location is reinitiated.

Samplers were activated at 157 SMAs as required to fulfill Permit requirements:

- at 89 SMAs in the baseline confirmation monitoring permit phase in May 2017,
- at 62 SMAs in the enhanced control confirmation monitoring phase in May and June 2017, and
- at 6 SMAs where monitoring was required per Part I.E.1(b) of the Permit after certification of no exposure in April 2016.

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**

Baseline monitoring is the term used to identify activity at any SMA where confirmation monitoring is being conducted to assess the performance of BCMs. As of January 1, 2017, baseline confirmation monitoring was continuing at 89 SMAs (Table 3-2). During 2017 two baseline confirmation monitoring samples were collected from measurable storm events at SMAs. As of December 31, 2017, baseline confirmation monitoring was continuing at 87 SMAs (Table 3-2).

The initial monitoring period following installation and implementation of BCMs varies on a site-by-site basis, as specified in Part I.D.1 of the Permit. The baseline confirmation monitoring period is extended at SMAs where no confirmation sample could be collected by October 31, 2011, or by April 30, 2012, from a measurable storm event. In the baseline confirmation monitoring phase, sampling shall continue until at least one sample is collected per Part I.E.5(e) of the Permit.

### 3.2 Confirmation Monitoring

Confirmation monitoring is the term used to identify sampling at any SMA conducted to assess the effectiveness of baseline or enhanced site-specific control measures. No exposure confirmation monitoring is the term used to identify confirmation monitoring conducted following completion of corrective action with certification of control measures installed to totally eliminate exposure of pollutants to storm water per Part I.E.1(b) of the Permit. As of January 1, 2017, enhanced control confirmation monitoring was continuing at 62 SMAs, baseline confirmation monitoring was continuing at 89 SMAs, and no exposure confirmation monitoring was continuing at 6 SMAs as summarized in Table 3-2. During 2017, enhanced control confirmation monitoring was not initiated at any new SMAs with the certification of enhanced controls. The requirement to collect enhanced control confirmation monitoring is continuing at W-SMA-1.5, where one sample was collected in 2017 without a TAL exceedance. The ongoing requirement to collect enhanced control confirmation monitoring samples was fulfilled at 9 SMAs: 2M-SMA-3, 3M-SMA-4, ACID-SMA-2, ACID-SMA-2.1, CDV-SMA-2.42, M-SMA-1.2, PT-SMA-1, S-SMA-6, and STRM-SMA-4.2, ending enhanced control monitoring at these locations. Table 3-2 counts these 9 records using the CAM [corrective action monitoring per Part 1.E.1(a)] identifier. The requirement to collect baseline confirmation monitoring samples was fulfilled at 2 SMAs, T-SMA-7 and W-SMA-9.5. Table 3-2 counts these 2 records using the MEx [extended baseline monitoring per Part 1.E.5(e)] identifier. The requirement to collect a no exposure confirmation monitoring sample was fulfilled at 1 SMA, LA-SMA-1, ending no exposure confirmation monitoring at this location. Table 3-2 counts this record using the CACompC-Inv [collect 1 sample per IP Part I.E.1(b)] identifier. As of December 31, 2017, enhanced control confirmation monitoring is continuing at 53 SMAs, baseline confirmation monitoring is continuing at 87 SMAs, and no exposure confirmation monitoring is continuing at 5 SMAs (Table 3-2).

Storm water samples collected at W-SMA-9.5 on September 27, 2017, and at LA-SMA-2.1 on July 26, 2017, did not meet the requirements for confirmation monitoring. The sample at LA-SMA-2.1 was collected at a location that was determined not to be representative of Site conditions during a field review conducted by the New Mexico Environment Department– (NMED-) and the Permittees. The sample at W-SMA-9.5 was collected for investigative analysis of high explosives constituents and dissolved metals not required for Permit compliance following completion of baseline confirmation monitoring. Table 3-3 presents a summary of the non-confirmation monitoring conducted at W-SMA-9.5 and LA-SMA-2.1.

Confirmation monitoring samples collected during 2017 after the installation of enhanced controls are presented in Table 3-4 using the stage identifiers CAM3 [corrective action monitoring at high priority Sites per Part I.E.4(a)], CAM5 [corrective action monitoring at moderate priority Sites per Part I.E.4(b)], and CAM52 [second round of corrective action monitoring at moderate priority Sites per Part I.E.4(b)]. Confirmation monitoring samples collected during baseline monitoring are presented in Table 3-4 using the stage identifier MEx. Confirmation monitoring samples collected after certification of completion of corrective action with the installation of controls to eliminate exposure of pollutants to storm water are designated in Table 3-4 using the stage identifier CACompC-Inv. These no exposure samples are further discussed in Section 4.3.

### 3.3 Confirmation Monitoring Analytical Data

The 2017 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 SDPPP. Additionally, a summary of the confirmation monitoring results, including TAL exceedances, is presented in the CSRs in Appendix D.

Confirmation monitoring samples collected during 2017 are summarized in Table 3-4, which presents the analytical suites and pertinent information for the storm event that resulted in an actual discharge from each Site 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.

The validated analytical monitoring results for confirmation samples are compared with the applicable TALs established in Part I.C of the Permit. Table 3-5 summarizes the applicable maximum TAL (MTAL) and average TAL (ATAL) exceedances for the confirmation monitoring samples collected in 2017. The confirmation monitoring results are compared with the larger of the applicable MTAL and minimum quantification level (MQL) and the larger of the applicable ATAL and MQL. If TALs are exceeded during enhanced control confirmation monitoring, corrective action is required as provided in Part I.E of the Permit, and then the SMA is advanced to the planning stage to determine corrective action to undertake at each Site in the SMA. 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 “storm rain events” (as defined in Section 6.1, Post Storm Inspections). Per 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.

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 “Search Data”, “Quick search” menu item using the following conditions:

1. Select the data provider “Los Alamos National Laboratory”.
2. Press continue to select “Analytical results” as the type of data to request.
3. Press continue to select “Water” as the type of samples to request.
4. Press continue to enter the date range November 1, 2010 to present as the time period to search.
5. Press continue to select “Use filters to find specific location, groups, or samples”, then use the drop-down list to search for “Location groups”, and use the “Find matching results >” button to move “Individual Permit” from the list of available location groups to the list of selected location groups.
6. Then press continue to select “All parameters”.
7. Then press continue to move available fields of interest to the selected fields list.
8. Then finally, press continue to view results in the grid, view results on a map, save query results to myIntellus, or download results.

Part I.H.2(d) of the Permit requires that the annual report identify the pollutants that exceed applicable MTALs or ATALs. In 2017

- TAL exceedances occurred at 8 SMAs.
- MTAL exceedances include aluminum, copper, lead, silver, and zinc.
- ATAL exceedances include gross alpha and total PCBs.

#### **4.0 CORRECTIVE ACTION ACTIVITIES**

If confirmation monitoring sample results demonstrate that one or more TALs are exceeded at a Site, Part I.E of the Permit requires the Permittees to initiate corrective action. Completion of corrective action consists of one of the following: (1) confirmation monitoring results below TALs following installation of enhanced control measures, (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 a NMED-issued certificate of completion under the Consent Order.

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.

- 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 with a baseline confirmation monitoring sample collected after September 30, 2012, are presented in Table 4-1. Corrective action has been completed at 19 SMA/Site combinations with certification of no exposure, certification of receipt of a certificate of completion under NMED's Consent Order, or a request that a Site be deleted from the Permit. Completion of corrective action is pending at 18 SMA/Site combinations where enhanced controls have been installed and confirmation monitoring is continuing to collect 2 samples to complete corrective action.
- 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).

To date, corrective action has been completed through the following three methods: (1) confirmation monitoring results below TALs following installation of enhanced control measures at 2 SMA/Site combinations, (2) certification of no exposure at 17 SMA/Site combinations, and (3) certificates of completion under NMED's Consent Order at 66 SMA/Site combinations. In total, corrective action has been completed at 85 SMA/Site combinations.

Additionally, the Permittees have initiated but not completed corrective action through the following methods: (1) certification of enhanced controls and subsequent monitoring, (2) submittal of a force majeure request, and (3) submittal of an alternative compliance request. Note that in any case where corrective action has been completed and monitoring has ceased, if new evidence of contaminated runoff is identified, corrective action and monitoring will be reinitiated per Part I.E.5(c) of the Permit. To date, this scenario has not been encountered.

#### **4.1 Enhanced Control Certification**

Part I.E.1(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. There were no enhanced control installed in 2017. The certification of enhanced controls signifies a compliance status change and monitoring status change at the SMA from corrective action planning to corrective action monitoring.



In cases where enhanced control confirmation sampling shows all analytical results are below TALs after installation of enhanced control measures, then corrective action may be completed per Part I.E.2(a) of the Permit. As of January 1, 2017, corrective action had been completed using this permitted pathway at two SMAs as listed in Table 4-2.

## 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. However, the Permit does not define criteria for storm event total precipitation or intensity to be used to meet the definition of total retention. Therefore, no Site has been certified to meet the requirements of total retention under 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. As of January 1, 2017, corrective action was complete at 16 SMA/Site combinations with certification of control measures to totally eliminate exposure of pollutants under Part I.E.2(c) of the Permit, as listed in Table 4-3. No exposure certification was not used to complete corrective action at other SMAs/Sites during 2017.

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. These records are counted in Table 3-2 using the CACompC – Inv (corrective action complete no exposure – investigation) identifier.

As of January 1, 2017, a sample had been collected at 5 SMAs and the results made available on the public website per Part I.E.1(b) of the Permit. During 2017, an additional sample was collected at LA-SMA-1, and the results were made available on the public website, completing corrective action activities. Monitoring to collect a sample per Part I.E.1(b) has been completed at 6 SMAs and is ongoing at 5 SMAs (10 SMA/Site combinations), as shown in Table 4-4.

#### 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 a certificate of completion under the Consent order has been received, the Permittees may certify completion of corrective action to EPA at Sites in the corrective action Permit phase. Sites in the baseline monitoring Permit phase having received a certificate of completion may be certified corrective action complete under the Permit when they enter corrective action. After certification of completion of corrective action, no further confirmation sampling is required, except as specified 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, 2017, 89 SMA/Site combinations had been issued certificates of completion under the Consent Order. During 2017, 10 SMA/Site combinations were issued certificates of completion under the Consent Order and corrective action was completed with certification of completion of corrective action per Part I.E.2(d) of the Permit at 13 SMA/Site combinations. All 99 SMA/Site combinations having received certificates of completion as of December 31, 2017, are listed in Table 4-5.

A summary of the 99 SMA/Site combinations with certificates of completion under NMED's Consent order follows:

- At 66 SMA/Site combinations, corrective action is complete under Part I.E.2(d) of the Permit through certification of a certificate of completion under the Consent Order. These Sites are listed in the Stage column in Table 4-5 with the compliance status category of CACompD [corrective action is complete per Part I.E.2(d)].
- A total of 28 SMA/Site combinations with certificates of completion under the Consent Order are being actively monitored in the MEx Permit phase [extended baseline monitoring per Part 1.E.5(d)] and are therefore not eligible for completion of corrective action until corrective action can be initiated. These Sites are listed in Table 4-5 with the compliance status category of MEx.
- Another 4 SMA/Site combinations with certificates of completion under the Consent Order did not have TAL exceedances during baseline monitoring and are baseline confirmation complete (BCComp) but are not eligible for completion of corrective action until corrective action can be initiated. These Sites are also listed in Table 4-5 with the compliance status category of BCComp.
- At 1 SMA/Site combination, 01-006(b) in LA-SMA-4.1, a certificate of completion under the Consent Order was received during 2017 from NMED. The Permittees are evaluating certifying completion of corrective action under Part I.E.2(d) of the Permit during 2018. This Site is listed in Table 4-5 with the compliance status category of AltCompR (Alternative compliance is requested per Part I.E.3).

#### **4.5 Evidence of Contaminated Runoff Where Monitoring Has Ceased**

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

- evidence of discharge of contaminated runoff,
- conditions that could lead to a discharge of contaminated runoff, or
- other monitoring data that show 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, 2017, 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. The force majeure condition is described in Part I.E.4(c) and is the result of “the inability to obtain the necessary authorizations, approvals, permits and or licenses due to an action or inaction by another governmental authority.” No requests for extension due to force majeure events were submitted in 2017. Force majeure requests have been made for 30 SMA/Site combinations and are still necessary for 11 SMA/Site combinations identified with the comment “Force majeure is in effect.” Table 4-6 presents a cumulative listing of Sites and their associated SMAs with extension requests, along with a justification for each request.

#### **5.0 ALTERNATIVE COMPLIANCE**

At Sites where the Permittees are unable to certify completion of corrective action under Part I.E.2(a) through (d) of the Individual Permit, Part I.E.3 allows the Permittees to request the Sites be placed into alternative compliance. Requests for alternative compliance have been made under two conditions:

- Permittees are unable to certify completion of corrective action when non-Site-related nonpoint sources are the cause of a TAL exceedance.
- Permittees are unable to certify completion of corrective action when the natural background concentration of a pollutant of concern is the cause of a TAL exceedance.

As of January 1, 2017, alternative compliance had been requested at 90 SMA/Site combinations. During 2017 no requests for alternative compliance were made. Table 4-7 presents a cumulative listing of the SMA/Site combinations with outstanding requests for alternative compliance. Responses from EPA are pending at these 90 SMAs.

## 6.0 SUMMARY OF INSPECTIONS

This section summarizes activities undertaken by the Permittees during the 2017 annual reporting period to meet the requirements for six types of inspections specified in Part I of the Permit.

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 inspections 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 inspections 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.

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).

### 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. With the use of a geospatial information system, SMAs are given a seasonal assignment to an individual rain gage by means of the Thiessen polygon method. 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 2017 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 2017. In 2017, 1034 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.

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 2017 annual erosion evaluation inspections at the 250 SMAs and all their associated Sites. Annual inspections were started in April and continued through August.

## **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, which could significantly impact control measures and environmental conditions in the affected area. Table 6-4 summarizes the significant event inspections conducted for 2017.

## **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. Table 6-5 summarizes the seven visual inspections for TAL exceedances conducted at five SMAs during 2017 and the visual inspections for TAL exceedances in process at four SMAs.

## **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. To comply with this requirement, the Permittees inspect weekly when any dirt disturbing activities are conducted within a SMA drainage 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 6-6 presents the 39 remediation construction activity inspections for soil disturbances conducted at 4 SMAs in 2017.

## **6.6 Sampler Operability and 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.

Beginning May 4, 2017, Permittees began activating sampling equipment to continue ongoing confirmation monitoring. Permittees activated sampling equipment following certification of new enhanced controls during the year to initiate confirmation monitoring. Sampling equipment was shut down during the year as sampling requirements were fulfilled. To prevent damage to equipment during the winter months

and to avoid collecting snowmelt, sampler deactivation was conducted in November 2017. During periods when samplers were in place, inspections were conducted to confirm sampler operability and to retrieve storm water collected from measurable storm events. Samples from measurable storm events were placed on blue ice during retrieval from the field and refrigerated at a temperature less than or equal to 6°C before filtration and preservation and shipment to off-site subcontracted analytical laboratories. Table 3-1 and Appendix B provide information on maximum holding times, allowed bottle types, and required preservation.

On average, in 2017, the 250 IP SMAs experienced 32 storm events equaling or exceeding 0.1 in. in 24 h. At the Laboratory's lower elevations, as few as 23 storms exceeded 0.1 in. in 24 h at the rain gage at RG340, and at higher elevations, 38 storms exceeded 0.1 in. in 24 h at RG-NCOM as shown in Table 6-7. The number of samplers times the number of days with precipitation at each sampler is the number of sampler-days with precipitation. Where monitoring was required, 3735 sampler-days with precipitation were monitored by operational sampling equipment, and confirmation samples were collected during 19 storms. Where monitoring was required, 115 storms were not monitored because sampling equipment was not operational as described in Tables 6-8 through 6-10. On 56 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. As a whole, in 2017 the sampling equipment was capable of collecting measurable discharge during 97.1% of storm events equaling or exceeding 0.1 in. in 24 h. In 2016 the sampling equipment was capable of collecting measurable discharge during 97.8% of storm events equaling or exceeding 0.25 in. in 24 h.

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 6-8 describes 6 sampler inspections when insufficient volume of discharge was collected to fulfill all required analyses. The sample collected could not be used for confirmation monitoring per Part 1.D.3 of the Permit. The sampling equipment was operable but incapable of collecting storm water, resulting in the loss of 22 sampler-days of operability for the 6 SMAs combined. During the time when samplers were inoperable, 3 sampler-days with precipitation events exceeding 0.1 in. in 24 h occurred.
- Table 6-9 describes 22 sampler inspections conducted when the sampling equipment malfunctioned and required repairs, resulting in the loss of as many as 544 sampler-days of operability for 22 SMAs combined. During the time when samplers were inoperable, 64 sampler-days with precipitation events exceeding 0.1 in. in 24 h occurred.
- Table 6-10 describes 27 sampler inspections at 17 SMAs when the sampling equipment was triggered to collect storm water but measurable discharge was not collected, resulting in the loss of as many as 252 sampler-days of operability for the 17 SMAs combined. Measurable discharge is not collected when the water depth is insufficient to completely submerge the sampler intake or the sampler intake becomes clogged. During the time when samplers were inoperable, 48 sampler-days with precipitation events exceeding 0.1 in. in 24 h occurred.

At SMAs with impermeable landscapes (e.g., roads, buildings) that drain directly to the SMA sampling point, measurable discharge can be generated from precipitation less intense than that required to trigger a post-storm inspection of control measures (i.e., 0.25 in. within 30 min). To ensure that samples are retrieved within 40 CFR 136–required holding times during less intense events, 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. In 2017, field crews conducted 1273 post-storm inspections of samplers after precipitation intensity or total accumulation

thresholds were exceeded. Table 6-7 presents the total rainfall intensity and total daily precipitation at each active rain gage during 2017 on every day when precipitation exceeded 0.1 in. during 24 h at any rain gage.

During 2017, the Permittees continued piloting the use of radio telemetry equipment. Radio telemetry equipment was installed for testing at 73 ISCO samplers during the monitoring season in 2017. The radio telemetry network is used to identify potential sample collection and communicate the state of operability at samplers to support retrieval of samples to meet 40 CFR 136–required holding times and reduce downtime from damaged and triggered samplers.

Table 6-11 shows the number of rain events at each SMA exceeding total rainfall of 0.1 in. during 24 h. The table also counts the number of these precipitation events requiring discharge monitoring, along with the active/inactive status of the samplers, and the number of these precipitation events not requiring discharge monitoring. The table shows the breakdown of the 3735 sampler-days of precipitation events at each SMA exceeding total rainfall of 0.1 in. during 24 h where monitoring was required and samplers were operable. Table 6-11 also shows the breakdown of the 110 sampler-days of precipitation events at each SMA exceeding total rainfall of 0.1 in. during 24 h where monitoring was required and samplers were inoperable. During 2017, 2.7% of samplers were inoperable during precipitation events of 0.1 in. during 24 h. During 2016, 2.2% of samplers were inoperable during precipitation events of 0.25 in. during 24 h. Figure 6-1 presents the information summarized in Table 6-11 as histograms, by grouping precipitation events exceeding 0.1 in. during 24 h into ranges on the X-axis and displaying the count of precipitation events within each group on the Y-axis. Included in each plot is the status of sampler operability and monitoring during each precipitation event.

Beginning in 2015, 10-W solar panels were installed on each ISCO sampler to maintain full battery charge. As a direct result of this process improvement, sampler downtime because of discharged batteries was eliminated during 2016 and was observed at only one sampler at CDV-SMA-7 during 2017.

Decreasing the duration of time between the occurrence of a problem affecting sampler operability and the discovery of the problem is a potential area for sampling process improvement. Of the 56 events affecting sampler operability in 2017, 26 events (46%) were reported with more than 10 d elapsing between the potential occurrence of the problem and its discovery and correction. Of the 48 events affecting sampler operability in 2016, 19 events (40%) required more than 10 d to discover and correct.



Figure 6-1 Histograms of 24-h precipitation showing monitoring status at SMAs





Figure 6-1 (continued) Histograms of 24-h precipitation showing monitoring status at SMAs

## 7.0 SUMMARY OF SDPPP CHANGES

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. 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, Revision 1, was published on May 1, 2014. The 2014 Annual Update to the SDPPP, Revision 1, was published on May 1, 2015. The 2015 Annual Update to the SDPPP, Revision 1, was published on May 1, 2016. The 2016 Annual Update to the SDPPP, Revision 1, was published on May 1, 2017.

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 2017 annual update to the SDPPP, Revision 1, will be published by May 1, 2018. 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

Per Part I.F.3(a) of the Permit, the annual report summarizes construction or changes in design, operation, or maintenance at the facility having a significant impact on the discharge, or potential for discharge, of pollutants from the facility. During 2017, site remediation construction activities conducted at S-SMA-3.52 potentially affected site discharges. During the period when construction activities were ongoing, the sampler was removed from the SMA. Rainfall exceeding 0.1 in. in 24 h was recorded during the period when the sampler was removed as shown in Table 7-1.

Facility-managed construction activities were initiated in 2017 at S-SMA-1.1 that may potentially affect site discharges. The installation of a new substation and decommissioning and demolition of the existing substation located within the SMA began in the summer of 2017 and will be completed in 2018. Multiple IP control measures were impacted during these activities, but temporary construction controls have been in place during all dirt disturbance activities. At the completion of construction activities in 2018, the SMA will be re-evaluated for changes in condition and compliance status.

## **7.2 Findings of Deficiency**

The Permit specifies that findings of deficiency in control measures will be summarized in the annual report. In 2017, no deficiencies were found based on analytical monitoring results. A control measure deficiency is created when maintenance or repair identified is not completed during the year. In 2017, the Permittees had no control measure deficiencies.

Details of the type and timeliness of maintenance completed during 2017 at each SMA are contained in the SDPPP.

## **7.3 Change of Monitoring Requirements or Compliance Status**

As discussed in Section 8 of this report, Sites were categorized into 14 compliance status categories in 2017 consisting of 2 compliance status categories in the baseline Permit phase and 12 in the corrective action permit phase. A change in the compliance status of a Site reflects movement between these compliance status categories. Section 8 of this report summarizes the compliance status of Sites and SMAs as of December 31, 2017; the Site compliance status will be included in the 2017 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 17 SMAs during 2017 as allowed by Part I.D.2 of the Permit. The samplers relocated in 2017 are listed in Table 7-2. Ten other sampler moves were initiated at SMAs that are corrective action complete under the Individual Permit. All 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 4 of the SDPPP, Physical Characteristics, in each volume of the SDPPP. The Site Monitoring Requirements listed in Appendix B of the Permit are renewed following sampler moves.

## **7.5 SDPPP Changes**

The Permittees 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 2016 Update to the SDPPP, Revision 1, involve 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.
- Include schedule for installing 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 7-3 summarizes the types of changes made to each of the five volumes of the SDPPP from January 1 to December 31, 2017. These changes will be incorporated into the 2017 update to the SDPPP, Revision 1, to be issued by May 1, 2018.

## 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, force majeure in Part I.E.4(b), or Additional Sampling Requirements in Part I.E of the Permit.

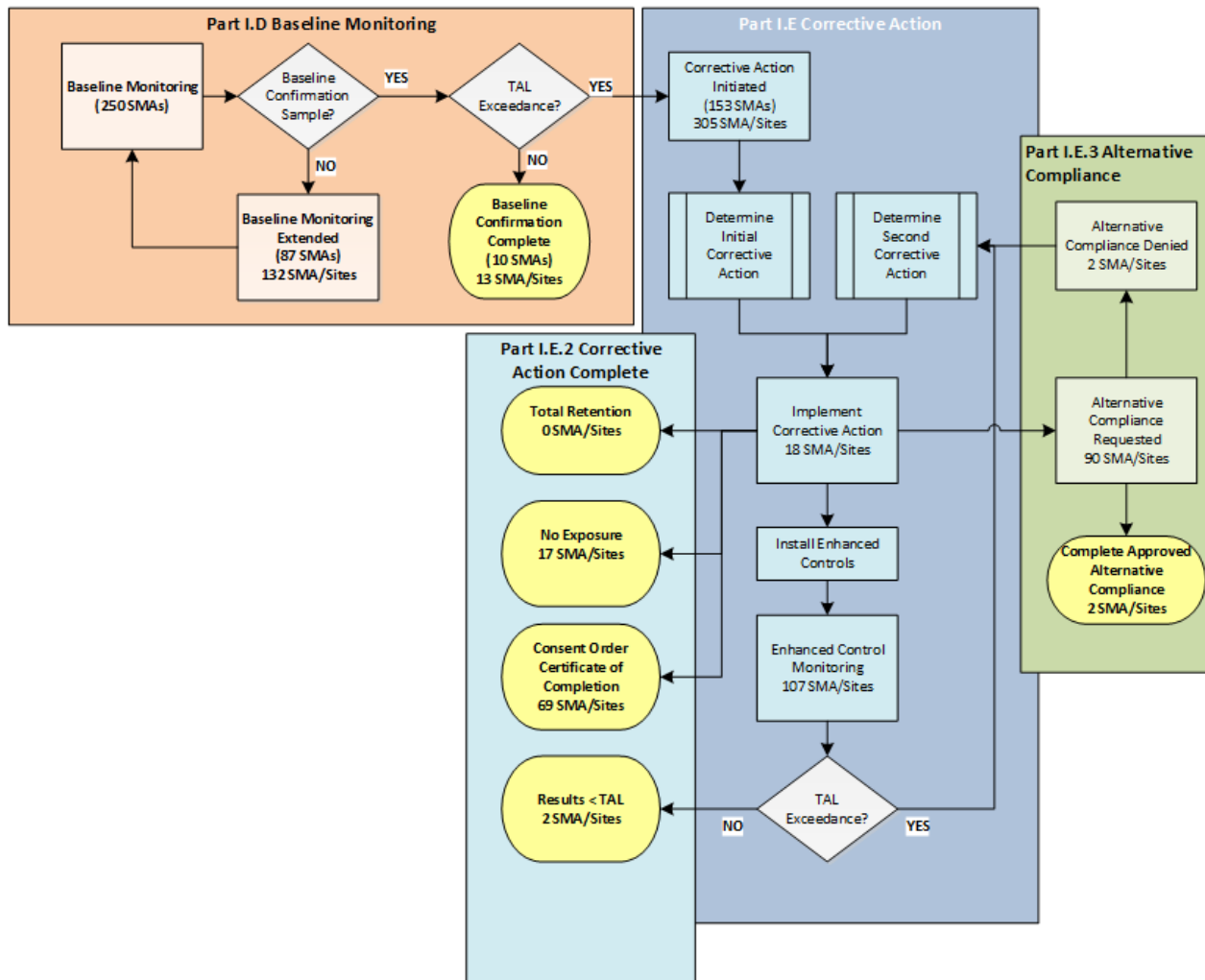
Table 8-1 summarizes the significant milestones for compliance phases identified under the Individual Permit.

Because of the complexity of the Permit, where one Site may be contained within multiple SMAs, multiple compliance statuses 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 each of the 14 compliance status categories.

The Permit defines two major Permit phases: (1) baseline and (2) corrective action. SMAs and their associated Permit-defined Sites enter these two Permit phases as a unit. As of December 31, 2017, 97 SMAs were in the baseline Permit phase and 153 SMAs were in the corrective action Permit phase. As Table 8-2 shows, 2 compliance status categories can be used to describe the state of baseline monitoring at 97 SMAs, and 12 compliance status categories can be used to describe the state of corrective action at 153 SMAs in the corrective action Permit phase. The corrective action Permit phase is initiated, and baseline Permit phase ends, with the exceedance of a TAL during baseline confirmation monitoring conducted at a SMA. This Permit phase is denoted as CAI [corrective action is initiated after a TAL exceedance is observed during baseline monitoring per Part 1.E.1(a)] in the Stage Initiating Corrective Action column in Table 8-3.

### 8.1 Compliance Status Changes

The Permit compliance status for the 2017 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 450 SMA/Site combinations.



Notes: Counts of the SMAs are shown in parentheses. Counts of the compliance status categories are shown as SMA/ Site combinations without parentheses.

**Figure 8-1 Permit compliance status as of December 31, 2017**

### 8.1.1 Baseline Monitoring Extended

As of January 1, 2017, 87 SMAs, consisting of 132 SMA/ Site combinations, remained in the baseline monitoring extended Permit phase. During 2017 baseline monitoring was completed at 2 SMAs, consisting of 4 SMA/ Site combinations: Sites 07-001(a), 07-001(b), and 07-001(d) in 2M-SMA-3 and Site 11-012(c) in W-SMA-9.5. Runoff from Site 07-001(c) in 2M-SMA-3 was not contained in the sample collected on September 12, 2017. Monitoring at 07-001(c) in 2M-SMA-3 will continue at a new sampling location. The 132 corresponding records are coded with the compliance status MEx in Table 8-3.

### 8.1.2 Baseline Confirmation Complete

As of December 31, 2017, baseline confirmation is complete at 10 SMAs, consisting of 13 SMA/Site combinations: 2M-SMA-2.5, A-SMA-3.5, ACID-SMA-1.05, CDV-SMA-1.2, CDV-SMA-2.5, M-SMA-13, PJ-SMA-14.8, PJ-SMA-16, R-SMA-2.3, and W-SMA-9.05. 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, except as directed by Part I.E.5(c). These 13 SMA/Site combinations are coded with the compliance status BCComp [baseline confirmation monitoring complete per Part 1.D.4(b)] 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 Description of Corrective Actions Planned

As of December 31, 2017, corrective action is being planned following receipt of analytical results exceeding a TAL at eight SMAs, consisting of eight SMA/Site combinations. Corrective action has been initiated with the receipt of an analytical result greater than TAL from two measurable storm events collected at least 15 d apart, and the Permittees are in the planning phase to determine the appropriate corrective action. Sites are coded with the compliance status of S7 in Table 8-3, meaning the SMA is being evaluated for a corrective action recommendation.

At four other SMAs, ACID-SMA-2, ACID-SMA-2.1, T-SMA-7, and PT-SMA-1, consisting of five SMA/Site combinations, two corrective action monitoring samples have been collected. Corrective action has been initiated with the receipt of an analytical result greater than TAL from two measurable storm events collected at least 15 d apart, and an alternative compliance request is being prepared. In Table 8-3, each of the four corresponding records is coded with the compliance status of S6B, and in the Completion of Enhanced Control Monitoring column, each is designated as In Process.

At one SMA, 2M-SMA-3, consisting of four 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. Three of the Sites in this SMA are therefore eligible for completion of corrective action. Each of the three corresponding records is coded with the compliance status CACompA.

Table 8-4 summarizes all of these planned corrective actions.

### 8.1.4 Enhanced Control Monitoring

Enhanced controls at 107 SMA/Site combinations have been installed and a sample has not been collected. Enhanced control monitoring will continue at each SMA until a minimum of 2 confirmation monitoring samples have been collected. In Table 8-3, the 107 corresponding SMA/Site combinations are coded with the compliance status CAM or CAM2, and in the Completion of Enhanced Control Monitoring column, they are designated as In Process.

### **8.1.5 Corrective Action Complete**

As of January 1, 2017, corrective action was completed at 74 SMA/Site combinations. During 2017, corrective action was completed at an additional 13 SMA/Site combinations. Corrective action may be completed by certifying completion of activities described in Part I.E.2(a) through (d) of the Permit.

- A total of 2 SMA/Site combinations, 2M-SMA-1.45/06-006 and LA-SMA-10.12/53-008, are coded with the compliance status CACompA [corrective action is complete per Part I.E.2(a)] in Table 8-3, indicating corrective action is complete with all analytical results below TALs. Both of these SMA/Site combinations were counted as completed before 2016. Certification of corrective action completion is in process at three Sites in 2M-SMA-3 coded with the compliance status CACompA in Table 8-3.
- A total of 17 of these records are coded with the compliance status CACompC [corrective action is complete per Part I.E.2(c)] in Table 8-3, indicating corrective action is complete with a certification of no exposure. One of the SMA/Site combinations was completed during 2017.
- A total of 66 of these records are coded with the compliance status CACompD [corrective action is complete per Part I.E.2(d)] in Table 8-3, indicating corrective action is complete with a certificate of completion under NMED's Consent Order. Table 8-3 also provides the certified date for completion of corrective action. Thirteen of these SMA/Site combinations were completed during 2017.

### **8.1.6 Alternative Compliance**

When the Permittees are unable to certify completion of corrective action under Part I.E.2(a) through (d) of the Permit, Part I.E.3 allows the Permittees to file a written request for alternative compliance with the EPA at least 6 mo before the applicable deadlines to complete corrective action. The 90 SMA/Site combinations where alternative compliance has been requested are coded with the compliance status AltCompR (alternative compliance requested per Part I.E.3) in Table 8-3. The SMA/Site combination PJ-SMA-4.05/09-005(g) is included in the table although not currently permitted, as discussed in Section 10.

As of December 31, 2017, corrective action is being planned following receipt of analytical results exceeding a TAL at four SMAs, consisting of five SMA/Site combinations. These Sites are coded with the compliance status S6B in Table 8-3 meaning that the corrective action recommendation is to submit a request for alternative compliance.

Table 8-3 lists two SMA/Site combinations where alternative compliance has been approved, with the compliance status denotation AltCompA. These SMA/Site combinations remain in corrective action, and requests to remove these Sites from the Permit have been submitted. No approvals of alternative compliance were received in 2017.

### **8.1.7 Force Majeure Extension Requested**

The Permittees have requested the EPA extend the deadline to complete corrective action as a result of force majeure under Part I.E.4(c) of the Permit. Under Part I.E.4(c), the EPA may approve an extension to a deadline if the Permittees can demonstrate a force majeure has resulted in a delay in meeting the obligation to complete corrective action. Force majeure includes “the inability to obtain the necessary authorizations, approvals, permits or licenses due to an action or inaction by another governmental authority.” Extensions to deadlines for force majeure conditions have been requested at 30 SMA/Site combinations, and requests are active at the 9 SMA Site combinations coded with the compliance status FMCOE in Table 8-3. The Permittees made no requests to extend deadlines to complete corrective action during 2017. No responses to pending force majeure requests were received from EPA during 2017.

### 8.1.8 Site Deletion Requested

A request to delete six Sites, 00-011(c), C-00-020, 16-030(c), 35-016(m), C-46-001, and 35-004(h), from the Individual Permit pursuant to Part 1.1.2 as a minor permit modification was made on October 14, 2015 (LANL 2015, 600952). The six Sites did not use industrial materials or industrial materials were remediated so that storm water is not impacted. No response to this request was received from EPA in 2017.

A request to remove four Sites, 16-010(b), 16-010(c), 16-010(d), and 16-018, from the Individual Permit was made on October 21, 2015 (LANL 2015, 600962). The four sites are no longer RCRA Corrective Action Units, but are Hazardous Waste Management Units, and therefore cannot be regulated under the Permit. If the modification request is approved, Sites 16-010(b), 16-010(c), 16-010(d), and 16-018 will no longer be regulated under the Individual Permit. No response to this request was received from EPA in 2017.

Another request to remove two Sites, 03-045(b) and 03-045(c) in S-SMA-2, from the Individual Permit was made on October 21, 2015 (LANL 2015, 600961). The Sites are active outfalls that are permitted under the Laboratory's NPDES Permit No. NM0028355 for industrial and sanitary outfalls. Upon approval of this permit modification request, Sites 03-045(b) and 03-045(c) will no longer be regulated under the Individual Permit. No response to this request was received from EPA in 2017.

### 8.2 24-h and 30-d Analytical Reporting

Part II.B of the Permit requires that exceedances of MTALs for any applicable pollutants be reported to EPA Region 6 and NMED—Surface Water Quality Bureau (NMED-SWQB) within 24 h from the time the Permittees become aware of the exceedance. In 2017, EPA Region 6 and NMED-SWQB were notified of each MTAL exceedance listed in Table 3-5. Analytical data for PT-SMA-1, S-SMA-6, STRM-SMA-4.2, and M-SMA-1.2 were received on October 31 and November 2, 2017. The notices of MTAL exceedances for these SMAs were reported on November 20, 2017 as described in Section 9.0 Identification of Non-compliance.

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 PT-SMA-1, W-SMA-1.5, and M-SMA-1.2 were submitted to EPA on November 21, 2017 (LANL 2017, 602742; LANL 2017, 602743; LANL 2017, 602744).
- The first sampling results from samples collected at ACID-SMA-2.1 were submitted to EPA on October 30, 2017 (LANL 2017, 602702).
- The first sampling results from samples collected at S-SMA-6 and LA-SMA-2.1 were submitted to EPA on October 19, 2017 (LANL 2017, 602693). After submission of the results, it was determined that the sample collected at LA-SMA-2.1 did not meet requirements for confirmation monitoring. The sample collected was not representative of site conditions.
- The first sampling results from samples collected at STRM-SMA-4.2 were submitted to EPA on September 28, 2017 (LANL 2017, 602643).
- The first sampling results from samples collected at 2M-SMA-3 were submitted to EPA on September 20, 2017 (LANL 2017, 602620).
- The first sampling results from samples collected at CDV-SMA-2.42 were submitted to EPA on August 28, 2017 (LANL 2017, 602574).
- The first sampling results from samples collected at 3M-SMA-4 and ACID-SMA-2 were submitted to EPA on September 28, 2017 (LANL 2017, 602642).



### **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 2017, the following documents were added to the Individual Permit web page on the Laboratory's public website.

- Five 2016 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, sampler control measures, and roads and structures, are available from the Site Monitoring Area Maps drop-down list.
- Maps showing future monitoring locations agreed upon by NMED-SWQB and the Permittees are available from the Sampling Implementation Plan (SIP) drop-down list.
- Previous years' annual reports, compliance status reports, and performance and sediment monitoring 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 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. In 2017 public meetings were held on June 28 and December 21. The agenda and presentation notes for these meetings are available at the Individual Permit Public Meetings page.

## **8.6 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. Supplemental information for the Permit renewal application was submitted on February 10, 2015 (LANL 2015, 600289).

The EPA submitted the draft permit for public comment on March 17, 2015. The modified permit has been administratively continued to authorize discharges of storm water runoff from SWMUs and AOCs on LANL property. The EPA hosted a public meeting on May 6, 2015, in Los Alamos to discuss the status of the renewal application request. LANS provided comments on the draft permit on June 25, 2015 (LANL 2015, 600827). NMED submitted the State Certification of the Individual Permit (NM0030759) on July 21, 2015 (NMED 2015, 601209). LANS provided a Response to the State Certification of the Individual Permit to EPA and NMED on October 15, 2015 (LANL 2015, 601055). No activity for the Permit renewal was recorded in 2017. LANL is currently executing requirements under an administratively continued Permit.

## **9.0 IDENTIFICATION OF NON-COMPLIANCE**

A non-compliance is identified as a required inspection or activity that was not performed or was not performed within Permit-defined time frames. One instance of non-compliance is being reported. The Individual Permit identifies a requirement to report to EPA Region 6 exceedances of MTALs within 24 h of the time the Permittees become aware of the exceedance. Analytical data containing exceedances of MTALs were received by LANL on October 31, and November 2, 2017. The LANL system providing notification of receipt of exceedances continued to provide daily notices indicating no exceedances had been received. On November 11, 2017, a review of data for the Individual Permit showed 24-h notices were required to EPA but had not been delivered.

In the summer of 2015, LANL began preparing for the Individual Permit revision with a development effort. A modification was prepared to allow TALs to be based on canyon-specific hardness as anticipated in the Individual Permit revision. This change included a begin and end date for each effective TAL so that current permit and draft permit limits could be prepared without losing history. The table was prepared with a coding error that LANL did not identify during acceptance testing; the sample collection date should have been compared with the effective date of the TAL, instead the date of receipt of the analytical data from the analytical laboratory was compared with the effective date. The programming error was corrected and analytical data received after November 1 were correctly reported.

## 10.0 REQUESTS FOR EPA APPROVAL

One request for alternative compliance was made to EPA as described in Section 8.1.6.

The Permittees have identified six administrative errors within the SMAs and Sites in the Permit. Notification of these errors is made here and in the annual SDPPP updates. Tables 1-2 and 8-3 in this report are modified to reflect these corrections, including the following:

Part I.H.2(j) of the Permit provides 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).

- 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.
- A review of the SWMUs within PJ-SMA-5.1 and the monitoring constituents in Appendix B of the IP revealed that SWMU 22-016 is a belowground septic tank not exposed to storm water. The Permittees believe the Permit incorrectly identified SWMU 22-016 as the Site to be permitted under the IP. The Permittees believe that the Site intended to be permitted under the IP is SWMU 22-010(b), which is potentially exposed to storm water (a septic system consisting of a septic tank, drainlines, leach field, sand filter, and outfall) and is located directly adjacent to SWMU 22-016.
- Review of the SWMU within CDV-SMA-6.02 and the monitoring constituents in Appendix B of the IP has determined that SWMUs 14-002(d) and 14-002(e) are two 3-ft-wide x 4-ft-long x 3-ft-high reinforced concrete voltage distribution systems and did not manage or release industrial materials. These Sites were misidentified as firing pads in the IP. The Permittees believe the Permit incorrectly identified these as the Sites to be permitted under the IP. The Site which potentially managed industrial material is actually SWMU 14-002(c), a decommissioned firing site (structure 14-5) located directly adjacent to Sites 14-002(d) and 14-002(e).
- 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 Permittees believe the Permit incorrectly identified 16-026(h2) as the Site to be permitted under the IP. The Site intended for monitoring is 16-029(e), not 16-026(h2). SWMU 16-029(e) is described as a belowground "HE sump and formerly NPDES-permitted outfall" associated with building 16-360, while SWMU 16-026(h2) is described as four outfalls, including steam pit and roof drains, that did not manage or release industrial materials.
- Review of the Site descriptions and activities conducted at SWMUs and AOCs in the area within the PJ-SMA-4.05 drainage identified that the Site intended for monitoring is 09-005(g) instead of 09-004(g). Site 09-004(g) is a high-explosives sump removed in 2006 with no surface expression. Site 09-004(g) drained to Site 09-005(g), an outfall which is within PJ-SMA-4.05 and being monitored by sampling at that SMA.
- Review of the Site descriptions and activities conducted within PT-SMA-1.7 identified that Site 15-006(a) was incorrectly associated with industrial materials to be monitored at the SMA. Site 15-006(a) is structure 15-184, which housed the equipment associated with the firing site. Structure 15-184 did not store or release industrial materials. The firing site, 15-003, is the likely source of material released from the Site and the Site intended for regulation under the Individual Permit.

## 11.0 REFERENCES

- EPA (U.S. Environmental Protection Agency), September 30, 2010. "Authorization to Discharge under the National Pollutant Discharge Elimination System, NPDES Permit No. NM 0030759," Region 6, Dallas, Texas. (EPA 2010, 213450)
- LANL (Los Alamos National Laboratory), January 30, 2013. "NPDES Permit No. NM0030759 – Request for Force Majeure, Solid Waste Management Unit 54-017," Los Alamos National Laboratory letter (EP2013-0024) to H. Branning (EPA Region 6) and D. McDonald (EPA Region 6) from J. Mousseau (LANL) and P. Maggiore (DOE-NA-00-LA), Los Alamos, New Mexico. (LANL 2013, 235016)
- LANL (Los Alamos National Laboratory), August 16, 2013. "Completion of Corrective Action at Site 53-014 in S-SMA-4.1," Los Alamos National Laboratory document LA-UR-13-26420, Los Alamos, New Mexico. (LANL 2013, 246775)
- LANL (Los Alamos National Laboratory), August 21, 2013. "NPDES Permit No. NM0030759 — Resubmittal of Completion of Corrective Action for Twelve Site Monitoring Areas," Los Alamos National Laboratory, Los Alamos, New Mexico. (LANL 2013, 250035)
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- LANL (Los Alamos National Laboratory), October 14, 2015. “NPDES Permit No. NM0030759 – Request Deletion of Six Sites Planned for Deletion from the Individual Permit for Storm Water,” Los Alamos National Laboratory letter (ADESH-15-101) to I. Chen (EPA Region 6) from A.M. Dorries (LANL) and D.E. Hintze (DOE-EM-LA), Los Alamos, New Mexico. (LANL 2015, 600952)
- LANL (Los Alamos National Laboratory), October 15, 2015. “Response to State Certification for Los Alamos National Laboratory Individual Stormwater Permit - NM0030759,” Los Alamos National Laboratory letter (ENV-DO-15-0283) to I. Chen (EPA Region 6) and J. Hogan (NMED-SWQB) from A.M. Dorries (LANL) and D.E. Hintze (DOE-EM-LA), Los Alamos, New Mexico. (LANL 2015, 601055)
- LANL (Los Alamos National Laboratory), October 21, 2015. “NPDES Permit No. NM0030759 – Request for Permit Modification, Removal of Sites 16-010(b) (CDV-SMA-2.42), 16-010(c) (CDV-SMA-2.5), 16-010(d) (CDV-SMA-2.5), and 16-018 (CDV-SMA-2.41),” Los Alamos National Laboratory letter (ADESH-15-144) to I. Chen (EPA Region 6) from A.M. Dorries (LANL) and D.E. Hintze (DOE-EM-LA), Los Alamos, New Mexico. (LANL 2015, 600962)
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- LANL (Los Alamos National Laboratory), February 26, 2016. “NPDES Permit No. NM0030759 – Alternative Compliance Request for 17 Site Monitoring Area/Site Combinations Exceeding Target Action Levels from Nonpoint Sources,” Los Alamos National Laboratory letter ADESH-16-022 to P. Johnsey (EPA Region 6) and E. Spencer (EPA Region 6) from J. McCann (LANL) and D. Rhodes (DOE-EM-LA), Los Alamos, New Mexico. (LANL 2016, 601239)
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NMED (New Mexico Environment Department), September 13, 2006. “Certificates of Completion for Solid Waste Management Units 53-002(a) and 53-002(b), Technical Area 53,” New Mexico Environment Department letter to D. Gregory (DOE-LASO) and D. McInroy (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2006, 095421)

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NMED (New Mexico Environment Department), September 7, 2010. “Certificates of Completion, Upper Mortandad Canyon Aggregate Area,” New Mexico Environment Department letter to G.J. Rael (DOE-LASO) and M.J. Graham (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2010, 110665)

- NMED (New Mexico Environment Department), September 10, 2010. “Certificates of Completion, Upper Los Alamos Canyon Aggregate Area,” New Mexico Environment Department letter to G.J. Rael (DOE-LASO) and M.J. Graham (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2010, 110667)
- NMED (New Mexico Environment Department), January 14, 2011. “Certificate of Completion, Pueblo Canyon Aggregate Area, Area of Concern (AOC) 00-018(b),” New Mexico Environment Department letter to G.J. Rael (DOE-LASO) and M.J. Graham (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2011, 111673)
- NMED (New Mexico Environment Department), February 18, 2011. “Certificates of Completion, Upper Sandia Canyon Aggregate Area,” New Mexico Environment Department letter to G.J. Rael (DOE-LASO) and M.J. Graham (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2011, 111821)
- NMED (New Mexico Environment Department), June 3, 2011. “Certificates of Completion, Material Disposal Area V, Technical Area 21,” New Mexico Environment Department letter to G.J. Rael (DOE-LASO) and M.J. Graham (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2011, 203706)
- NMED (New Mexico Environment Department), May 16, 2012. “Certificates of Completion, One Solid Waste Management Unit and One Area of Concern in the Guaje/Barrancas/Rendija Canyons Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and M.J. Graham (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2012, 520388)
- NMED (New Mexico Environment Department), July 13, 2012. “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,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and M.J. Graham (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2012, 520940)
- NMED (New Mexico Environment Department), December 20, 2012. “Certificate of Completion, One Area of Concern in the Upper Los Alamos Canyon Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2012, 521776)
- NMED (New Mexico Environment Department), December 28, 2012. “Certificates of Completion, Two Solid Waste Management Units and One Area of Concern in the Upper Los Alamos Canyon Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2012, 521746)
- NMED (New Mexico Environment Department), February 22, 2013. “Certificates of Completion, Four Solid Waste Management Unit and One Area of Concern in the Pueblo Canyon Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2013, 522072)

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- NMED (New Mexico Environment Department), July 31, 2013. “Certificates of Completion, One Solid Waste Management Unit and Two Areas of Concern in the Lower Sandia Canyon Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2013, 523159)
- NMED (New Mexico Environment Department), September 27, 2013. “Certificates of Completion, One Solid Waste Management Unit and One Area of Concern, Middle Mortandad/Ten Site Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-LASO) and J.D. Mousseau (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2013, 523693)
- NMED (New Mexico Environment Department), January 28, 2015. “Certificate of Completion, One Solid Waste Management Unit 00-018(a), Pueblo Canyon Aggregate Area,” New Mexico Environment Department letter to P. Maggiore (DOE-EM-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2015, 600178)
- NMED (New Mexico Environment Department), May 18, 2015. “Certificates of Completion, Three Solid Waste Management Units, Middle Mortandad/Ten Site Aggregate Area,” New Mexico Environment Department letter to C. Gelles (DOE-NA-LA) and M.T. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2015, 600446)
- NMED (New Mexico Environment Department), July 21, 2015. “State Certification for Los Alamos National Laboratory Individual Stormwater Permit - NM0030759,” New Mexico Environment Department letter to W. Honker (EPA Region 6) from J. Hogan (NMED-SWQB), Santa Fe, New Mexico. (NMED 2015, 601209)
- NMED (New Mexico Environment Department), September 16, 2015. “Certificates of Completion, Six Solid Waste Management Units and One Area of Concern at Technical Area 5, Middle Mortandad/Ten Site Aggregate Area,” New Mexico Environment Department letter to C. Gelles (DOE-EM-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2015, 600917)
- NMED (New Mexico Environment Department), October 14, 2015. “Certificates of Completion, Seventeen Solid Waste Management Units and Eight Areas of Concern at Technical Area 35, Middle Mortandad/Ten Site Aggregate Area,” New Mexico Environment Department letter to D. Hintze (DOE-EM-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2015, 600985)
- NMED (New Mexico Environment Department), January 19, 2016. “Certificates of Completion, Two Areas of Concern and Twelve Solid Waste Management Units in the Delta Prime Site Aggregate Area,” New Mexico Environment Department letter to D. Hintze (DOE-EM-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2016, 601146)

NMED (New Mexico Environment Department), July 22, 2016. “Certificate of Completion, One Area of Concern C-00-041, in the Guaje/Barrancas/Rendija Canyons Aggregate Area,” New Mexico Environment Department letter to D. Hintze (DOE-EM-LA) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2016, 601644)

NMED (New Mexico Environment Department), August 1, 2016. “Approval of Request for Certificates of Completion for Nineteen Solid Waste Management Units and Two Area of Concern in the Upper Cañon de Valle Aggregate Area,” New Mexico Environment Department letter to D. Hintze (DOE-EM) and M.T. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2016, 601692)

NMED (New Mexico Environment Department), January 31, 2017. “Approval of Request for Certificates of Completion for Three Areas of Concern and Twenty-Six Solid Waste Management Units in the Bayo Canyon Aggregate Area,” New Mexico Environment Department letter to D. Hintze (DOE-EM) and M. Brandt (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2017, 602136)

NMED (New Mexico Environment Department), July 13, 2017. “Approval of Request for Certificates of Completion without Controls for Nine Solid Waste Management Units and One Area of Concern in the Upper Los Alamos Canyon Aggregate Area,” New Mexico Environment Department letter to D. Hintze (DOE-EM) and B. Robinson (LANL) from J.E. Kieling (NMED-HWB), Santa Fe, New Mexico. (NMED 2017, 602514)



**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, Confirmation Monitoring Requirements and 3.3, Confirmation Monitoring Analytical Data, monitoring results Appendix B, Analytical Monitoring Results
H.2 (d)	Identification of pollutants which exceed applicable MTAL or ATAL.	3.3, Confirmation Monitoring Analytical Data, TAL exceedances Table 3-5, Summary of Confirmation Monitoring TAL Exceedances
H.2 (e)	Description of baseline control measures installed, including the completion date or targeted completion date.	2.0, Baseline Control Measures Activities Appendix C, 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 Action Activities Table 8-3, Site-Specific Compliance Status
H.2 (g)	Identification of Sites that meet No Exposure status.	4.3, 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.	4.4, Certificate of Completion under NMED's Consent Order
H.2 (i)	Highlights of any change of compliance status from the annual report.	8.1, Compliance Status Changes
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, as well as 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 6-5, Summary of Visual Inspections for TAL Exceedances Table 6-6, Summary of Inspections during Construction Activity Associated with Site Remediation
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
Not specified	The report will include discussion of sampler inoperability and results of process improvements affecting sampler operability during the year.	6.6, Sampler Operability and Inspections
Not specified	The annual report will include explanations of every compliance status change made in 2017.	8.1, Compliance Status Changes Table 8-2, Summary of Individual Permit Compliance Status Table 8-3, Site-Specific Compliance Status
Not specified	The presence of storm(s) exceeding 0.25" in 30-min intensity will be identified, and the operability status of each sampler associated with each rain gage will be reported.	6.6, Sampler Operability and Inspections Figure 6-1, Histograms of 24-h precipitation showing monitoring status at SMAs Table 6-11, Summary of Storm Water Monitoring and Sampler Operability Status during Precipitation Events Exceeding 0.1 in. in 24 h
Not specified	Response to EPA Administrative Order CWA-06-2015-1747 – “In order to better document and clarify the status of monitoring constituents following a sampler move, the information provided in Table 3 will be included in future Annual Reports and SDPPP updates.” The information to be presented includes SMA, new location active date, reason for sampler location move, monitoring suite following sampler move, and samples collected since move.	7.4, SMA Location Change

**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		
			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)		
			R006	R-SMA-2.5	00-011(a)		
	Bayo Canyon	RG-TA-53	B001	B-SMA-0.5	10-001(a)		
					10-001(b)		
					10-001(c)		
					10-001(d)		
					10-004(a)		
					10-004(b)		
					10-008		
					10-009		
	RG055.5	B002	B-SMA-1	00-011(d)			
	Pueblo Canyon	RG055.5	P001	ACID-SMA-1.05	00-030(g)		
					P002	ACID-SMA-2	01-002(b)-00
							45-001
							45-002
			45-004				
		P002A	ACID-SMA-2.01	00-030(f)			
		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	73-001(a)		
					73-004(d)		
			P006	P-SMA-2	73-002		
					73-006		
		P007	P-SMA-2.15	31-001			
	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)		
					00-017		
			L002	LA-SMA-0.9	C-00-044		
00-017							
L003			LA-SMA-1	C-00-044			
L004	LA-SMA-1.1	43-001(b2)					
L005	LA-SMA-1.25	C-43-001					



**Table 1-2 (continued)**

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

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)	
			L018C	LA-SMA-5.54	02-009(c)	
			L019	LA-SMA-5.91	21-009	
					21-021	
					21-023(c)	
					21-027(d)	
			L019A	LA-SMA-5.92	21-013(b)	
					21-013(g)	
					21-018(a)	
					21-021	
			L020	LA-SMA-6.25	21-021	
					21-024(d)	
					21-027(c)	
			L021	LA-SMA-6.27	21-021	
					21-027(c)	
			L022	LA-SMA-6.3	21-006(b)	
			L022A	LA-SMA-6.31	21-027(a)	
			L023	LA-SMA-6.32	21-021	
			L024	LA-SMA-6.34	21-021	
					21-022(h)	
		L025	LA-SMA-6.36	21-021		
				21-024(a)		
		L026	LA-SMA-6.38	21-021		
				21-024(c)		
		L027	LA-SMA-6.395	21-021		
		L027	LA-SMA-6.395	21-024(j)		
		L028	LA-SMA-6.5	21-021		
				21-024(i)		
		RG-TA-53		L029	LA-SMA-9	26-001
						26-002(a)
26-002(b)						
26-003						
L030	LA-SMA-10.11			53-002(a)		
L030A	LA-SMA-10.12	53-008				

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Los Alamos/Pueblo	DP Canyon	RG038	D001	DP-SMA-0.3	21-029
			D002	DP-SMA-0.4	21-021
			D003	DP-SMA-0.6	21-021
					21-024(l)
			D004	DP-SMA-1	21-011(k)
					21-021
			D005	DP-SMA-2	21-021
		21-024(h)			
D006	DP-SMA-2.35	21-021			
		21-024(n)			
D007	DP-SMA-3	21-013(c)			
		21-021			
		RG-TA-53	D008	DP-SMA-4	21-021
Sandia	Sandia Canyon	RG121.9	S001	S-SMA-0.25	03-013(a)
					03-052(f)
			S002	S-SMA-1.1	03-029
			S003	S-SMA-2	03-012(b)
					03-045(b)
					03-045(c)
					03-056(c)
			S003A	S-SMA-2.01	03-052(b)
			S004	S-SMA-2.8	03-014(c2)
			S005	S-SMA-3.51	03-009(i)
		S005A	S-SMA-3.52	03-021	
		S005B	S-SMA-3.53	03-014(b2)	
		S006	S-SMA-3.6	60-007(b)	
		RG203	S-SMA-3.7	S007	53-012(e)
				S008	53-001(a)
				S009	53-001(b)
S010	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	S-SMA-5	S013	20-002(c)		
		S014	20-003(c)		
		S015	20-005		
		S016	72-001		

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Mortandad	Cañada del Buey	RG200.5	C001	CDB-SMA-0.15	04-003(a)
					04-004
		RG245.5	C002	CDB-SMA-0.25	46-004(c2)
					46-004(e2)
			C003	CDB-SMA-0.55	46-004(g)
					46-004(m)
					46-004(s)
					46-006(f)
			C004	CDB-SMA-1	46-003(c)
					46-004(d2)
					46-004(f)
					46-004(t)
		46-004(w)			
		46-008(g)			
		46-009(a)			
		C-46-001			
		C005	CDB-SMA-1.15	46-004(b)	
				46-004(y)	
				46-004(z)	
				46-006(d)	
		C006	CDB-SMA-1.35	46-004(a2)	
				46-004(u)	
				46-004(v)	
				46-004(x)	
				46-006(d)	
				46-008(f)	
		C007	CDB-SMA-1.54	46-004(h)	
				46-004(q)	
46-006(d)					
C008	CDB-SMA-1.55	46-003(e)			
C009	CDB-SMA-1.65	46-003(b)			
RG-TA-54	C010	CDB-SMA-4	54-017		
			54-018		
			54-020		

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Mortandad	Mortandad Canyon	RG121.9	M001	M-SMA-1	03-050(a) 03-054(e)
			M002	M-SMA-1.2	03-049(a)
			M002A	M-SMA-1.21	03-049(e)
			M002B	M-SMA-1.22	03-045(h)
		RG-TA-06	M003	M-SMA-3	48-001
					48-005
					48-007(c)
			M004	M-SMA-3.1	48-001 48-007(b)
		RG200.5	M005	M-SMA-3.5	48-001
					48-003
			M006	M-SMA-4	48-001
					48-005
					48-007(a)
					48-007(d)
					48-010
			M007	M-SMA-5	42-001(a)
					42-001(b)
					42-001(c)
					42-002(a)
					42-002(b)
			M008	M-SMA-6	35-016(h)
			M009	M-SMA-7	35-016(g)
			M010	M-SMA-7.9	50-006(d)
M011	M-SMA-9.1	35-016(f)			
M012	M-SMA-10	35-008			
		35-014(e)			
M012A	M-SMA-10.01	35-016(e)			
M013	M-SMA-10.3	35-014(e2)			
		35-016(i)			
M014	M-SMA-11.1	35-016(o)			
M015	M-SMA-12	35-016(p)			

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>		
Mortandad	Mortandad Canyon	RG203	M016	M-SMA-12.5	05-005(b) 05-006(c)		
			M017	M-SMA-12.6	05-004		
			M018	M-SMA-12.7	05-002		
					05-005(a)		
					05-006(b)		
			M019	M-SMA-12.8	05-001(a)		
					05-002		
			M020	M-SMA-12.9	05-001(b)		
					05-002		
			M021	M-SMA-12.92	00-001		
	M022	M-SMA-13	05-001(c)				
	Ten-Site Canyon	RG200.5	T001	Pratt-SMA-1.05	35-003(h)		
					35-003(p)		
					35-003(r)		
					35-004(h)		
					35-009(d)		
					35-016(k)		
					35-016(l)		
					35-016(m)		
					T002	T-SMA-1	50-006(a)
							50-009
		T003	T-SMA-2.5	35-014(g3)			
		T004	T-SMA-2.85	35-014(g)			
				35-016(n)			
		T005	T-SMA-3	35-016(b)			
		T006	T-SMA-4	35-004(a)			
				35-009(a)			
				35-016(c)			
				35-016(d)			
		T007	T-SMA-5	35-004(a)			
35-009(a)							
RG200.5	T007	T-SMA-5	35-016(a)				
			35-016(q)				
	T008	T-SMA-6.8	35-010(e)				
	T009	T-SMA-7	04-003(b)				
T010	T-SMA-7.1	04-001					
		04-002					

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Pajarito	Twomile Canyon	RG121.9	E001	2M-SMA-1	03-010(a)
		RG-TA-06	E002	2M-SMA-1.42	06-001(a)
			E003	2M-SMA-1.43	22-014(a)
					22-015(a)
			E004	2M-SMA-1.44	06-001(b)
			E005	2M-SMA-1.45	06-006
			E006	2M-SMA-1.5	22-014(b)
			E007	2M-SMA-1.65	40-005
			E008	2M-SMA-1.67	06-003(h)
			E009	2M-SMA-1.7	03-055(a)
			E010	2M-SMA-1.8	03-001(k)
		RG121.9	E011	2M-SMA-1.9	03-003(a)
			E012	2M-SMA-2	03-050(d)
					03-054(b)
		RG-TA-06	E013	2M-SMA-2.2	03-003(k)
	E014		2M-SMA-3	07-001(a)	
				07-001(b)	
				07-001(c)	
				07-001(d)	
	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)
			H003	3M-SMA-0.5	15-006(c)
					15-009(c)
		RG245.5	H004	3M-SMA-0.6	15-008(b)
			H005	3M-SMA-2.6	36-008
					C-36-003
		H006	3M-SMA-4	18-002(b)	
				18-003(c)	
	18-010(f)				

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Pajarito	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)
			J004	PJ-SMA-4.05	09-004(g) 09-005(g)
		RG-TA-06	J005	PJ-SMA-5	22-015(c)
			J006	PJ-SMA-5.1	22-010(b)
					22-016
			J007	PJ-SMA-6	40-010
			J008	PJ-SMA-7	40-006(c)
			J009	PJ-SMA-8	40-006(b)
			J010	PJ-SMA-9	40-009
			J012	PJ-SMA-10	40-006(a)
			J013	PJ-SMA-11	40-003(a)
			J014	PJ-SMA-11.1	40-003(b)
		RG245.5	J015	PJ-SMA-13	18-002(a)
			J016	PJ-SMA-13.7	18-010(b)
			J017	PJ-SMA-14	54-004
			J018	PJ-SMA-14.2	18-012(b)
			J019	PJ-SMA-14.3	18-003(e)
			J020	PJ-SMA-14.4	18-010(d)
			J021	PJ-SMA-14.6	18-010(e)
			J022	PJ-SMA-14.8	18-012(a)
		RG-TA-54	J023	PJ-SMA-16	27-002
			J024	PJ-SMA-17	54-018
			J026	PJ-SMA-18	54-014(d)
					54-017
			J025	PJ-SMA-19	54-013(b)
					54-017
		54-020			
		J027	PJ-SMA-20	54-017	
		RG240	J028	STRM-SMA-1.05	08-009(f)
J029	STRM-SMA-1.5		08-009(d)		
J030	STRM-SMA-4.2		09-008(b)		
J031	STRM-SMA-5.05		09-013		



**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Water/Cañon de Valle	Cañon de Valle	RG253	V001	CDV-SMA-1.2	16-017(b)-99 16-029(k)
			V002	CDV-SMA-1.3	16-017(a)-99 16-026(m)
			V003	CDV-SMA-1.4	16-020
					16-026(l)
					16-028(c)
					16-030(c)
			V004	CDV-SMA-1.45	16-026(i)
		V005	CDV-SMA-1.7	16-019	
		RG257	V006	CDV-SMA-2	16-021(c)
			V007	CDV-SMA-2.3	13-001
					13-002
					16-003(n)
					16-003(o)
					16-029(h)
					16-031(h)
			V008	CDV-SMA-2.41	16-018
			V008A	CDV-SMA-2.42	16-010(b)
			V009	CDV-SMA-2.5	16-010(c)
					16-010(d)
					16-028(a)
			V009A	CDV-SMA-2.51	16-010(i)
		V010	CDV-SMA-3	14-009	
		V011	CDV-SMA-4	14-010	
		V012	CDV-SMA-6.01	14-001(g)	
	14-006				
	V012A	CDV-SMA-6.02	14-002(c)		
			14-002(d)		
			14-002(e)		
	V013	CDV-SMA-7	15-008(d)		
	RG262.4	V014	CDV-SMA-8	15-011(c)	
V015		CDV-SMA-8.5	15-014(a)		
V016		CDV-SMA-9.05	15-007(b)		
Fence Canyon	RG267.4	F001	F-SMA-2	36-004(c)	

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>		
Water/Cañon de Valle	Potrillo Canyon	RG262.4	I001	PT-SMA-0.5	15-009(e) C-15-004		
			I002	PT-SMA-1	15-004(f) 15-008(a)		
			I003	PT-SMA-1.7	15-003 15-006(a)		
			I004	PT-SMA-2	15-008(f) 36-003(b) 36-004(e)		
			I004A	PT-SMA-2.01	C-36-001 C-36-006(e)		
			RG267.4	I005	PT-SMA-3	36-004(a) 36-006	
		I007		PT-SMA-4.2	36-004(d)		
		Water Canyon		RG253	W001	W-SMA-1	16-017(j)-99 16-026(c2) 16-026(v)
			W002		W-SMA-1.5	16-026(b2) 16-028(d)	
			W003		W-SMA-2.05	16-028(e)	
			RG257	W004	W-SMA-3.5	16-026(y)	
	W005			W-SMA-4.1	16-003(a)		
	W006			W-SMA-5	16-001(e) 16-003(f) 16-026(b) 16-026(c) 16-026(d) 16-026(e)		
					W007	W-SMA-6	11-001(c)
					W008	W-SMA-7	16-026(h2) 16-029(e)
							W009
					W010	W-SMA-7.9	16-006(c)
	W011	W-SMA-8		16-016(g) 16-028(b)			

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>		
Water/Cañon de Valle	Water Canyon	RG257	W012	W-SMA-8.7	13-001		
					13-002		
					16-004(a)		
					16-026(j2)		
					16-029(h)		
					16-035		
			W012A	W-SMA-8.71	16-004(c)		
			W013	W-SMA-9.05	16-030(g)		
			W014	W-SMA-9.5	11-012(c)		
			W015	W-SMA-9.7	11-011(a)		
		11-011(b)					
		W016	W-SMA-9.8	11-005(c)			
		W017	W-SMA-9.9	11-006(b)			
		W018	W-SMA-10	11-002			
				11-003(b)			
				11-005(a)			
				11-005(b)			
				11-006(c)			
				11-006(d)			
		RG262.4	W019	W-SMA-11.7	49-008(c)		
					W020	W-SMA-12.05	49-001(g)
					W021	W-SMA-14.1	15-004(h)
15-014(l)							
W022	W-SMA-15.1	49-005(a)					
Ancho	Ancho Canyon	RG267.4	A001	A-SMA-1.1	39-004(a)		
					39-004(d)		
			A002	A-SMA-2	39-004(b)		
					39-004(e)		
		RG265	A003	A-SMA-2.5	39-010		
					A004	A-SMA-2.7	39-002(c)
			A005	A-SMA-2.8			39-008
					A006	A-SMA-3	39-001(b)
			39-002(b)				
			39-004(c)				
		RG340	A007	A-SMA-3.5	39-006(a)		
					33-010(d)		
			A008	A-SMA-4	33-004(k)		
					33-007(a)		
					33-010(a)		
A009	A-SMA-6	33-004(k)					
		33-007(a)					

**Table 1-2 (continued)**

<b>Watershed</b>	<b>Canyon</b>	<b>Rain Gage</b>	<b>Permitted Feature</b>	<b>SMA</b>	<b>Site Number</b>
Chaquehui	Chaquehui Canyon	RG340	Q001	CHQ-SMA-0.5	33-004(g)
					33-007(c)
					33-009
			Q002	CHQ-SMA-1.01	33-002(d)
			Q002A	CHQ-SMA-1.02	33-004(h)
					33-008(c)
					33-011(d)
					33-015
			Q002B	CHQ-SMA-1.03	33-008(c)
					33-012(a)
					33-017
					C-33-001
			Q003	CHQ-SMA-2	C-33-003
					33-004(d)
					33-007(c)
			Q004	CHQ-SMA-3.05	33-010(f)
			Q005	CHQ-SMA-4	33-011(e)
			Q006	CHQ-SMA-4.1	33-016
			Q007	CHQ-SMA-4.5	33-011(b)
			Q008	CHQ-SMA-5.05	33-007(b)
			Q009	CHQ-SMA-6	33-004(j)
33-006(a)					
33-007(b)					
33-010(c)					
33-010(g)					
33-010(h)					
Q010	CHQ-SMA-7.1	33-014			
		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	62
Water/Cañon de Valle	50	92
Ancho	9	15
Chaquehui	12	24
<b>Total</b>	<b>250</b>	<b>414</b>

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, Site 22-010(b) in PJ-SMA-5.1, Site 16-026(h2) in W-SMA-7, Site 09-005(g) in PJ-SMA-4.05, and Site 15-003 in PT-SMA-1.7 have been added. 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 414.

**Table 2-1  
Additional Control Measures and Replaced Baseline Control Measures Installed during 2017**

SMA	BMP ID	Control Measure Type	Control Measure Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROFF <sup>d</sup>	Install Date	Comments
2M-SMA-3	E01403140032	Berm	Coir Log	— <sup>e</sup>	X <sup>f</sup>	X	—	6/24/17	Additional Control
2M-SMA-3	E01403140033	Berm	Coir Log	—	X	X	—	6/24/17	Additional Control
3M-SMA-0.6	H00403010030	Berm	Earthen Berm	—	X	—	X	10/25/17	Additional Control
ACID-SMA-2	P00206010019	Check Dam	Rock Check Dam	—	X	X	—	7/26/17	Additional Control
ACID-SMA-2	P00206020020	Check Dam	Log Check Dam	—	X	—	X	8/1/17	Additional Control
ACID-SMA-2	P00206020021	Check Dam	Log Check Dam	—	X	—	X	8/1/17	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC	SC	RON	ROFF	Install Date	Comments
ACID-SMA-2	P00206020022	Check Dam	Log Check Dam	—	X	—	X	8/1/17	Additional Control
ACID-SMA-2	P00206020023	Check Dam	Log Check Dam	—	X	—	X	8/1/17	Additional Control
ACID-SMA-2.01	P002A03140010	Berm	Coir Log	—	X	—	X	8/2/17	Additional Control
ACID-SMA-2.1	P00306010027	Check Dam	Rock Check Dam	—	X	X	—	7/26/17	Additional Control
A-SMA-2.5	A00303010010	Berm	Earthen Berm	X	—	X	—	5/17/17	Additional Control
A-SMA-2.5	A00304060014	Channel/Swale	Rip Rap	X	—	X	—	5/17/17	Additional Control
A-SMA-2.5	A00304080015	Channel/Swale	TRM <sup>9</sup> -Lined Swale	X	—	X	—	5/17/17	Additional Control
A-SMA-2.5	A00307010012	Gabion	Gabion	—	X	X	—	5/17/17	Additional Control
A-SMA-2.5	A00307010013	Gabion	Gabion	X	—	X	—	5/17/17	Additional Control
A-SMA-2.5	A00307020011	Gabion	Gabion Blanket	X	—	X	—	5/17/17	Additional Control
A-SMA-3	A00603150035	Berm	Redi-Rock Berm	—	X	X	—	5/30/17	Additional Control
A-SMA-3	A00606010031	Check Dam	Rock Check Dam	—	X	X	—	5/30/17	Additional Control
A-SMA-3	A00606010032	Check Dam	Rock Check Dam	—	X	X	—	5/30/17	Additional Control
A-SMA-3	A00606010033	Check Dam	Rock Check Dam	—	X	X	—	5/30/17	Additional Control
A-SMA-3	A00606010034	Check Dam	Rock Check Dam	—	X	X	—	5/30/17	Additional Control
A-SMA-3	A00608020036	Cap	Rock Cap	X	—	X	—	5/30/17	Additional Control
A-SMA-3.5	A00703060005	Berm	Straw Wattle	—	X	X	—	7/12/17	Additional Control
CDB-SMA-1.15	C00503010012	Berm	Earthen Berm	—	X	—	X	12/4/17	Replaced Baseline Control
CDV-SMA-6.02	V012A03140010	Berm	Coir Log	—	X	—	X	7/25/17	Additional Control
CDV-SMA-7	V01303140020	Berm	Coir Log	—	X	—	X	6/29/17	Replaced Enhanced Control
DP-SMA-0.3	D00104010026	Channel/Swale	Earthen Channel/Swale	X	—	X	—	7/21/17	Additional Control
DP-SMA-1	D00403010017	Berm	Earthen Berm	—	X	—	X	2/8/17	Additional Control
LA-SMA-0.85	L00103100011	Berm	Gravel Bags	—	X	X	—	1/5/17	Additional Control - retired 10/10/17
LA-SMA-5.02	L012A03140024	Berm	Coir Log	—	X	—	X	8/23/17	Additional Control
LA-SMA-5.02	L012A03140025	Berm	Coir Log	—	X	—	X	8/23/17	Additional Control
LA-SMA-5.02	L012A03140026	Berm	Coir Log	—	X	—	X	8/23/17	Additional Control
LA-SMA-5.02	L012A03060027	Berm	Straw Wattle	—	X	—	X	7/19/17	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC	SC	RON	ROFF	Install Date	Comments
LA-SMA-6.25	L02003140014	Berm	Coir Log	—	X	X	—	9/12/17	Additional Control
M-SMA-10.3	M01308020019	Cap	Rock Cap	X	—	X	—	7/12/17	Additional Control
M-SMA-12	M01503090010	Berm	Curbing	—	X	X	—	12/4/17	Replaced Baseline Control
M-SMA-12.5	M01603100013	Berm	Gravel Bags	—	X	X	—	8/28/17	Additional Control
M-SMA-12.9	M02003140022	Berm	Coir Log	—	X	—	X	11/2/17	Additional Control
M-SMA-12.92	M02104060006	Channel/Swale	Rip Rap	X	—	X	—	1/9/17	Additional Control
M-SMA-12.92	M02107010007	Gabion	Gabion	—	X	X	—	1/9/17	Additional Control
M-SMA-13	M02206020015	Check Dam	Log Check Dam	—	X	—	X	8/28/17	Additional Control
M-SMA-3.1	M00403100008	Berm	Gravel Bags	—	X	X	—	7/5/17	Additional Control
M-SMA-7	M00903140012	Berm	Coir Log	—	X	X	—	7/25/17	Additional Control
PJ-SMA-14.4	J02003140012	Berm	Coir Log	X	—	X	—	9/5/17	Additional Control
PJ-SMA-14.4	J02003010013	Berm	Earthen Berm	—	X	—	X	1/4/18	Replaced Baseline Control
P-SMA-1	P00503080058	Berm	Retaining Wall	X	—	—	X	3/23/17	Additional Control
P-SMA-1	P00503080059	Berm	Retaining Wall	X	—	—	X	3/23/17	Additional Control
P-SMA-1	P00503090066	Berm	Curbing	—	X	X	—	3/23/17	Additional Control
P-SMA-1	P00504030057	Channel/Swale	Rock Channel/Swale	X	—	—	X	3/23/17	Replaced Baseline Control
P-SMA-1	P00504030065	Channel/Swale	Rock Channel/Swale	X	—	—	X	3/23/17	Replaced Baseline Control
P-SMA-1	P00506010060	Check Dam	Rock Check Dam	—	X	—	X	3/23/17	Additional Control
P-SMA-1	P00506010061	Check Dam	Rock Check Dam	—	X	—	X	3/23/17	Additional Control
P-SMA-1	P00506010062	Check Dam	Rock Check Dam	—	X	—	X	3/23/17	Additional Control
P-SMA-1	P00506010063	Check Dam	Rock Check Dam	—	X	—	X	3/23/17	Additional Control
P-SMA-1	P00508010064	Cap	Earth Cap	X	—	X	X	3/23/17	Additional Control
P-SMA-1	P00508030067	Cap	Concrete/Asphalt Cap	X	—	X	—	3/23/17	Additional Control
S-SMA-1.1	S00203060021	Berm	Straw Wattle	—	X	X	—	1/3/18	Replaced Baseline Control
S-SMA-2.01	S003A03140022	Berm	Coir Log	—	X	—	X	10/24/17	Additional Control
S-SMA-2.01	S003A03140023	Berm	Coir Log	—	X	—	X	10/24/17	Additional Control
S-SMA-2.8	S00403020010	Berm	Base Course Berm	—	X	X	—	6/1/17	Additional Control
S-SMA-3.51	S00501010018	Seed and Mulch	Seed and Wood Mulch	X	—	X	—	5/23/17	Additional Control

Table 2-1 (continued)

SMA	BMP ID	Control Measure Type	Control Measure Description	EC	SC	RON	ROFF	Install Date	Comments
S-SMA-3.51	S00503010016	Berm	Earthen Berm	—	X	—	X	5/23/17	Replaced Baseline Control
S-SMA-3.51	S00503010017	Berm	Earthen Berm	—	X	X	—	5/23/17	Additional Control
S-SMA-3.51	S00503120019	Berm	Rock Berm	—	X	X	—	9/20/17	Additional Control
S-SMA-3.51	S00504040020	Channel/Swale	Culvert	X	—	X	—	9/20/17	Additional Control
S-SMA-3.52	S005A03010009	Berm	Earthen Berm	—	X	—	X	6/1/17	Additional Control
S-SMA-3.52	S005A04080010	Channel/Swale	TRM-Lined Swale	X	-	—	X	6/1/17	Additional Control
S-SMA-3.6	S00604040043	Channel/Swale	Culvert	—	X	—	X	8/30/17	Additional Control
S-SMA-5	S01303060010	Berm	Straw Wattle	—	X	—	X	10/18/17	Additional Control
STRM-SMA-5.05	J03103010014	Berm	Earthen Berm	—	X	—	X	10/24/17	Replaced Enhanced Control
T-SMA-6.8	T00803140009	Berm	Coir Log	—	X	X	—	7/26/17	Replaced Baseline Control
W-SMA-10	W01803140031	Berm	Coir Log	X	—	X	—	7/18/17	Additional Control
W-SMA-4.1	W00503140010	Berm	Coir Log	—	X	—	X	4/21/17	Additional Control
W-SMA-7.8	W00903100010	Berm	Gravel Bags	—	X	—	X	4/21/17	Additional Control
W-SMA-9.7	W01503140020	Berm	Coir Log	—	X	X	—	7/13/17	Additional Control

<sup>a</sup> EC = Erosion control.

<sup>b</sup> SC = Sediment control.

<sup>c</sup> RON = Run-on control.

<sup>d</sup> ROFF = Runoff control.

<sup>e</sup> — = Control does not perform the identified function.

<sup>f</sup> X = Control performs the identified function.

<sup>g</sup> TRM = Turf-reinforcing matting.



**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 <sub>3</sub> to pH<2	6 mo
Radioactivities – Adjusted Gross Alpha	1	2	Polyethylene or Glass	HNO <sub>3</sub> to pH<2	6 mo
Metals – Dissolved	0.25	0.5	Polyethylene (with Boron)/ Glass (without Boron)	HNO <sub>3</sub> to pH<2	6 mo
Metals – Total	0.25	0.5	Polyethylene or Glass	HNO <sub>3</sub> 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 at SMAs during 2017**

Number of SMAs per Confirmation Monitoring Phase	Baseline Confirmation Monitoring	Enhanced Control Confirmation Monitoring	Monitoring per Part I.E.1(b) after Certification of No Exposure	No Confirmation Monitoring	Total SMAs
January 1, 2017	89	62	6	93	250
Added during year	0	0	0	2 (MEx) <sup>a</sup> 9 (CAM) <sup>b</sup> 1 (CACompC-Inv) <sup>c</sup>	12
Completed during year	2 (MEx)	9 (CAM) <sup>b</sup>	1 (CACompC-Inv)	0	12
December 31, 2017	87	53	5	105	250

<sup>a</sup> MEx = Extended baseline monitoring.

<sup>b</sup> CAM = Corrective action monitoring after certification of enhanced controls.

<sup>c</sup> CACompC-Inv = Corrective action no exposure – investigation initiated.

**Table 3-3  
2017 Non-Confirmation Monitoring**

SMA	Permitted Feature	Station Number	Stage	Sample	Sample Date	Sample Time	Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radioactivity		Metals		Organics	
												Gross Alpha		Dissolved Metals	Dissolved Copper	PCBs	High Explosives
W-SMA-9.5	W014	SS173945	MEx	WT_IPC-17-147844	09/27/2017	19:28	RG257	09/27/2017	1.49	7.75	F <sup>a</sup>	— <sup>b</sup>	X <sup>c</sup>	—	—	—	
W-SMA-9.5	W014	SS173945	MEx	WT_IPC-17-147842	09/27/2017	19:28	RG257	09/27/2017	1.49	7.75	UF <sup>d</sup>	—	—	—	—	X	
LA-SMA-2.1	L006	SS081005	CAM3	WT_IPC-17-135172	7/26/2017	11:13	RG121.9	07/26/2017	0.99	0.50	F	—	—	X	—	—	
LA-SMA-2.1	L006	SS081005	CAM3	WT_IPC-17-135180	7/26/2017	11:13	RG121.9	07/26/2017	0.99	0.50	UF	X	—	—	X	—	

<sup>a</sup> F = Filtered.

<sup>b</sup> The sample was not analyzed for the associated parameters.

<sup>c</sup> The sample was analyzed for the associated parameters.

<sup>d</sup> UF = Unfiltered.

**Table 3-4  
2017 Confirmation Monitoring**

SMA	Permitted Feature	Station Number	Stage	Sample	Sample Date	Sample Time	Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radioactivity		Metals				Cyanide	Organics			
												Gross Alpha	Radium-226/228	Dissolved Arsenic	Dissolved Copper	Dissolved Metals <sup>a</sup>	Selenium and Mercury	Cyanide (WAD <sup>b</sup> )	High Explosives	PCBs	SVOCs	
2M-SMA-3	E014	SS2439	CAM5 <sup>c</sup>	WT_IPC-17-135394	07/26/2017	11:11	RG-TA-06	07/26/2017	0.45	0.75	F <sup>d</sup>	— <sup>e</sup>	—	—	—	X <sup>f</sup>	—	—	—	—	—	—
2M-SMA-3	E014	SS2439	CAM5	WT_IPC-17-135506	07/26/2017	11:11	RG-TA-06	07/26/2017	0.45	0.75	UF <sup>g</sup>	X	X	—	—	—	X	X	X	—	—	—
2M-SMA-3	E014	SS2439	CAM5	WT_IPC-17-135424	10/04/2017	20:59	RG-TA-06	10/04/2017	0.64	4.00	F	—	—	—	—	X	—	—	—	—	—	—
2M-SMA-3	E014	SS2439	CAM5	WT_IPC-17-135513	10/04/2017	20:59	RG-TA-06	10/04/2017	0.64	4.00	UF	X	X	—	—	—	X	X	X	—	—	—
3M-SMA-4	H006	SS101504	CAM5	WT_IPC-17-135374	07/26/2017	11:29	RG245.5	07/26/2017	0.62	0.41	F	—	—	—	X	—	—	—	—	—	—	—
3M-SMA-4	H006	SS101504	CAM5	WT_IPC-17-135472	07/26/2017	11:29	RG245.5	07/26/2017	0.62	0.41	UF	X	—	—	—	—	—	—	X	—	—	—
ACID-SMA-2	P002	SS170106	CAM5	WT_IPC-17-135396	07/08/2017	12:49	RG055.5	07/08/2017	0.52	0.66	F	—	—	—	—	X	—	—	—	—	—	—
ACID-SMA-2	P002	SS170106	CAM5	WT_IPC-17-135520	07/08/2017	12:49	RG055.5	07/08/2017	0.52	0.66	UF	X	X	—	—	—	X	X	—	X	—	—
ACID-SMA-2	P002	SS170106	CAM5	WT_IPC-17-135426	07/26/2017	11:17	RG055.5	07/26/2017	0.6	0.41	F	—	—	—	—	X	—	—	—	—	—	—
ACID-SMA-2	P002	SS170106	CAM5	WT_IPC-17-135527	07/26/2017	11:17	RG055.5	07/26/2017	0.6	0.41	UF	X	X	—	—	-	X	X	—	X	—	—
ACID-SMA-2.1	P003	SS100104	CAM5	WT_IPC-17-135418	08/07/2017	12:22	RG055.5	08/07/2017	0.37	0.66	F	—	—	—	—	X	—	—	—	—	—	—
ACID-SMA-2.1	P003	SS100104	CAM5	WT_IPC-17-135526	08/07/2017	12:22	RG055.5	08/07/2017	0.37	0.66	UF	X	X	—	—	-	X	X	—	X	—	—
ACID-SMA-2.1	P003	SS100104	CAM5	WT_IPC-17-135448	08/23/2017	12:03	RG055.5	08/23/2017	0.39	0.83	F	—	—	—	—	X	—	—	—	—	—	—
ACID-SMA-2.1	P003	SS100104	CAM5	WT_IPC-17-135533	08/23/2017	12:03	RG055.5	08/23/2017	0.39	0.83	UF	X	X	—	—	-	X	X	—	X	—	—
CDV-SMA-2.42	V008A	SS150427	CAM5	WT_IPC-17-135399	06/25/2017	16:14	RG257	06/25/2017	1.17	1.66	F	—	—	—	—	X	—	—	—	-	—	—

Table 3-4 (continued)

SMA	Permitted Feature	Station Number	Stage	Sample	Sample Date	Sample Time	Rain Gage	Storm Date	24-h Total (in.)	Duration (h)	Field Prep	Radioactivity		Metals					Cyanide	Organics		
												Gross Alpha	Radium-226/228	Dissolved Arsenic	Dissolved Copper	Dissolved Metals	Selenium and Mercury	Cyanide (WAD)	High Explosives	PCBs	SVOCs	
CDV-SMA-2.42	V008A	SS150427	CAM5	WT_IPC-17-135521	06/25/2017	16:14	RG257	06/25/2017	1.17	1.66	UF	X	X	—	—	-	X	X	—	X	—	
CDV-SMA-2.42	V008A	SS150427	CAM5	WT_IPC-17-135429	10/05/2017	18:48	RG257	10/05/2017	0.52	2.00	F	—	—	—	—	X	-	—	—	—	—	
CDV-SMA-2.42	V008A	SS150427	CAM5	WT_IPC-17-135528	10/05/2017	18:48	RG257	10/05/2017	0.52	2.00	UF	X	X	—	—	—	X	X	—	X	—	
LA-SMA-1	L003	SS121044	CACompC-Inv <sup>h</sup>	WT_IPC-17-135141	07/26/2017	11:07	RG121.9	07/26/2017	0.99	0.50	F	—	—	—	—	X	—	—	—	—	—	
LA-SMA-1	L003	SS121044	CACompC-Inv	WT_IPC-17-135148	07/26/2017	11:07	RG121.9	07/26/2017	0.99	0.50	UF	X	X	—	—	—	X	X	—	X	—	
M-SMA-1.2	M002	SS091202	CAM5	WT_IPC-17-135382	09/29/2017	01:36	RG121.9	09/28/2017	1.2	4.66	F	—	—	X	X	—	—	—	—	—	—	
PT-SMA-1	I002	SS174821	CAM52 <sup>i</sup>	WT_IPC-17-135588	09/26/2017	21:57	RG262.4	09/26/2017	0.6	2.41	F	—	—	—	—	X	—	—	—	—	—	
PT-SMA-1	I002	SS174821	CAM52	WT_IPC-17-135610	09/26/2017	21:57	RG262.4	09/26/2017	0.6	2.41	UF	X	X	—	—	—	X	X	X	—	X	
S-SMA-6	S016	SS171637	CAM3 <sup>j</sup>	WT_IPC-17-135175	07/27/2017	11:29	RG-TA-53	07/27/2017	0.66	4.50	F	—	—	—	—	X	—	—	—	—	—	
S-SMA-6	S016	SS171637	CAM3	WT_IPC-17-135188	07/27/2017	11:29	RG-TA-53	07/27/2017	0.66	4.50	UF	X	X	—	—	—	X	X	X	X	—	
S-SMA-6	S016	SS171637	CAM3	WT_IPC-17-135178	09/29/2017	00:04	RG-TA-53	09/28/2017	0.95	6.25	F	—	—	—	—	X	—	—	—	—	—	
S-SMA-6	S016	SS171637	CAM3	WT_IPC-17-135189	09/29/2017	00:04	RG-TA-53	09/28/2017	0.95	6.25	UF	X	X	—	—	—	X	X	X	X	—	
STRM-SMA-4.2	J030	SS173009	CAM5	WT_IPC-17-135421	07/29/2017	19:59	RG240	07/29/2017	0.54	1.16	F	—	—	—	—	X	—	—	—	—	—	
STRM-SMA-4.2	J030	SS173009	CAM5	WT_IPC-17-135495	07/29/2017	19:59	RG240	07/29/2017	0.54	1.16	UF	X	X	—	—	—	X	X	—	—	—	
STRM-SMA-4.2	J030	SS173009	CAM5	WT_IPC-17-135451	09/27/2017	16:19	RG240	09/27/2017	1.71	8.75	F	—	—	—	—	X	—	—	—	—	—	
STRM-SMA-4.2	J030	SS173009	CAM5	WT_IPC-17-135504	09/27/2017	16:19	RG240	09/27/2017	1.71	8.75	UF	X	X	—	—	—	X	X	—	—	—	
T-SMA-7	T009	SS20143	MEx	WT_IPC-17-133234	09/12/2017	14:50	RG200.5	09/12/2017	0.23	0.41	F	—	—	—	—	X	—	—	—	—	—	
T-SMA-7	T009	SS20143	MEx	WT_IPC-17-133273	09/12/2017	14:50	RG200.5	09/12/2017	0.23	0.41	UF	X	X	—	—	—	X	X	—	—	—	
W-SMA-1.5	W002	SS153942	CAM52	WT_IPC-17-135590	09/28/2017	23:23	RG253	09/28/2017	1.28	5.00	F	—	—	—	—	X	—	—	—	—	—	
W-SMA-1.5	W002	SS153942	CAM52	WT_IPC-17-135601	09/28/2017	23:23	RG253	09/28/2017	1.28	5.00	UF	X	X	—	—	—	X	X	—	—	—	
W-SMA-9.5	W014	SS173945	MEx	WT_IPC-17-133238	06/25/2017	15:53	RG257	06/25/2017	1.17	1.66	F	—	—	—	—	X	—	—	—	—	—	
W-SMA-9.5	W014	SS173945	MEx	WT_IPC-17-133275	06/25/2017	15:53	RG257	06/25/2017	1.17	1.66	UF	X	X	—	—	—	X	X	—	—	—	

<sup>a</sup> Dissolved metals = Aluminum, antimony, arsenic, boron, cadmium, chromium, cobalt, copper, lead, nickel, silver, thallium, vanadium, and zinc.

<sup>b</sup> WAD = Weak acid dissociable.

<sup>c</sup> CAM5= Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

<sup>d</sup> F = Filtered.

<sup>e</sup> — = The sample was not analyzed for the associated parameters.

<sup>f</sup> X = The sample was analyzed for the associated parameters.

<sup>g</sup> UF = Unfiltered.

<sup>h</sup> CACompC-Inv = Corrective action complete after investigative sample. Collect one information sample following certification of control measures installed to totally eliminate exposure of pollutants to storm water.

<sup>i</sup> CAM52 = second round of corrective action monitoring at moderate priority Sites per Part I.E.4(b).

<sup>j</sup> CAM3 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

**Table 3-5  
Summary of Confirmation Monitoring TAL Exceedances**

SMA	Stage	Analyte	Unit	Total Analyses	No. of Detects	% of Detects	ATAL	Geo Mean	Geo Mean/ ATAL Ratio	MTAL	No of MTAL Exceedances <sup>a</sup>	%MTAL Exceedances	Concentration Range <sup>b</sup>	Result/MTAL Ratio Range
3M-SMA-4	CAM5 <sup>c</sup>	Copper	µg/L	1	1	100	n/a <sup>d</sup>	n/a	n/a	4.30	1	100	8.11	1.89
ACID-SMA-2	CAM5	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	2	100	139 to 798	0.185 to 1.06
ACID-SMA-2	CAM5	Gross alpha	pCi/L	2	2	100	15.0	106	7.09	n/a	n/a	n/a	47.9 to 236	n/a
ACID-SMA-2	CAM5	Total PCB	µg/L	2	2	100	0.000640	0.0776	121	n/a	n/a	n/a	0.0573 to 0.105	n/a
ACID-SMA-2.1	CAM5	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	2	100	604 to 906	0.805 to 1.21
ACID-SMA-2.1	CAM5	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.30	2	100	3.27 to 4.69	0.760 to 1.09
ACID-SMA-2.1	CAM5	Gross alpha	pCi/L	2	2	100	15.0	72.81	4.85	n/a	n/a	n/a	66.1 to 80.2	n/a
ACID-SMA-2.1	CAM5	Total PCB	µg/L	2	2	100	0.000640	0.04319	67.5	n/a	n/a	n/a	0.0387 to 0.0482	n/a
CDV-SMA-2.42	CAM5	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	2	100	340 to 3470	0.453 to 4.63
CDV-SMA-2.42	CAM5	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.30	2	100	1.23 to 5.54	0.286 to 1.29
CDV-SMA-2.42	CAM5	Gross alpha	pCi/L	2	2	100	15.0	63.0	4.20	n/a	n/a	n/a	29.2 to 136	n/a
CDV-SMA-2.42	CAM5	Total PCB	µg/L	2	2	100	0.000640	0.0296	46.3	n/a	n/a	n/a	0.0260 to 0.0337	n/a
LA-SMA-1	CACompCInv <sup>e</sup>	Gross alpha	pCi/L	1	1	100	15.0	31.1	2.07	n/a	n/a	n/a	31.1	n/a
LA-SMA-1	CACompCInv	Total PCB	µg/L	1	1	100	0.000640	0.0232	36.3	n/a	n/a	n/a	0.0232	n/a
LA-SMA-2.1	CAM3 <sup>f</sup>	Gross alpha	pCi/L	1	1	100	15.0	27.3	1.82	n/a	n/a	n/a	27.3	n/a
LA-SMA-2.1	CAM3	Total PCB	µg/L	1	1	100	0.000640	3.98	6220	n/a	n/a	n/a	3.98	n/a
M-SMA-1.2	CAM5	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.30	1	100	55.0	12.8
PT-SMA-1	CAM52 <sup>g</sup>	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.30	1	100	4.80	1.12
PT-SMA-1	CAM52	Gross alpha	pCi/L	1	1	100	15.0	17.6	1.17	n/a	n/a	n/a	17.6	n/a
S-SMA-6	CAM3	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	2	100	1070 to 378	1.43 to 0.504
S-SMA-6	CAM3	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.30	2	100	65.3 to 9.73	15.2 to 2.26
S-SMA-6	CAM3	Gross alpha	pCi/L	2	2	100	15.0	27.7	1.84	n/a	n/a	n/a	6.60 to 116	n/a
S-SMA-6	CAM3	Lead	µg/L	2	2	100	n/a	n/a	n/a	17.0	2	100	129 to 36.5	7.59 to 2.15
S-SMA-6	CAM3	Total PCB	µg/L	2	2	100	0.000640	0.00330	5.16	n/a	n/a	n/a	0.00241 to 0.00441	n/a
STRM-SMA-4.2	CAM5	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	2	100	1980 to 2190	2.64 to 2.92
STRM-SMA-4.2	CAM5	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.30	2	100	5.26 to 8.81	1.22 to 2.05
STRM-SMA-4.2	CAM5	Silver	µg/L	2	1	50	n/a	n/a	n/a	0.500	1	50	(0.3) to 0.519	0.6 to 1.04
T-SMA-7	MEx <sup>h</sup>	Gross alpha	pCi/L	1	1	100	15.0	18.1	1.21	n/a	n/a	n/a	18.1	n/a
W-SMA-9.5	MEx	Gross alpha	pCi/L	1	1	100	15.0	81.0	5.40	n/a	n/a	n/a	81.0	n/a
W-SMA-9.5	MEx	Mercury	µg/L	1	1	100	0.770	1.10	1.43	n/a	n/a	n/a	1.10	n/a

<sup>a</sup> MTAL exceedances are reported to EPA within 24 h of receipt of data.

<sup>b</sup> Results in parentheses are not detected. The value presented is the method detection limit for the analysis.

<sup>c</sup> CAM5 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at Moderate Priority Sites.

<sup>d</sup> n/a = Not applicable.

<sup>e</sup> CACompCInv = Collect one information sample following certification of control measures installed to totally eliminate exposure of pollutants to storm water.

<sup>f</sup> CAM3 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

<sup>g</sup> CAM52 = second round of corrective action monitoring at moderate priority Sites per Part I.E.4(b).

<sup>h</sup> MEx = Extended baseline monitoring.

**Table 4-1**  
**Deadlines for Completion of Corrective Action for High Priority SMA/Sites**  
**where a Baseline Monitoring Confirmation Sample Was Collected after September 30, 2012**

SMA Number	Permitted Feature	Site Number	Stage	Sample Collection	Receipt of Results	Deadline for Completion of Corrective Action	Actual Completion of Corrective Action
CDB-SMA-4	C010	54-017	CACompC <sup>a</sup>	07/25/2013	08/27/2013	08/27/2014	8/27/2014
CDB-SMA-4	C010	54-018	CACompC	07/25/2013	08/27/2013	08/27/2014	8/27/2014
CDB-SMA-4	C010	54-020	CACompC	07/25/2013	08/27/2013	08/27/2014	8/27/2014
LA-SMA-2.1	L006	01-001(f)	DelSiteR <sup>b</sup>	09/13/2013	10/28/2013	10/28/2014	4/15/2015
LA-SMA-5.51	L018	02-003(a)	CAM3 <sup>c</sup>	07/12/2013	08/21/2013	08/21/2014	Monitoring <sup>d</sup>
LA-SMA-5.51	L018	02-003(e)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-004(a)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-005	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-006(b)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-006(c)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-006(d)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-006(e)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-008(a)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-009(b)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-011(a)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-011(b)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-011(c)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.51	L018	02-011(d)	CAM3	07/12/2013	08/21/2013	08/21/2014	Monitoring
LA-SMA-5.52	L018A	02-003(b)	CAM3	07/29/2014	10/20/2014	10/20/2015	Monitoring
LA-SMA-5.52	L018A	02-007	CAM3	07/29/2014	10/20/2014	10/20/2015	Monitoring
LA-SMA-5.52	L018A	02-008(c)	CAM3	07/29/2014	10/20/2014	10/20/2015	Monitoring
LA-SMA-5.54	L018C	02-009(c)	CAM3	09/13/2013	10/28/2013	10/28/2014	Monitoring
M-SMA-7.9	M010	50-006(d)	AltCompR <sup>e</sup>	09/13/2013	10/22/2013	10/22/2014	4/21/2014
PJ-SMA-17	J024	54-018	CACompC	07/25/2013	09/04/2013	09/04/2014	8/27/2014
PJ-SMA-18	J026	54-017	CACompC	07/25/2013	09/03/2013	09/03/2014	8/28/2014
PJ-SMA-19	J025	54-013(b)	CACompC	08/8/2013	09/11/2013	09/11/2014	8/28/2014
PJ-SMA-19	J025	54-017	CACompC	08/8/2013	09/11/2013	09/11/2014	8/28/2014
PJ-SMA-19	J025	54-020	CACompC	08/8/2013	09/11/2013	09/11/2014	8/28/2014
Pratt-SMA-1.05	T001	35-003(h)	CACompD <sup>f</sup>	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-003(p)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-003(r)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-004(h)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-009(d)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-016(k)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-016(l)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
Pratt-SMA-1.05	T001	35-016(m)	CACompD	09/13/2013	10/24/2013	10/24/2014	10/29/2015
P-SMA-3.05	P009	00-018(a)	CACompD	09/13/2013	10/21/2013	10/21/2014	4/16/2015

<sup>a</sup> CACompC = Corrective action is complete under the Permit with a certification of no exposure.

<sup>b</sup> DelSiteR = A request has been made to delete the Site from the Permit.

<sup>c</sup> CAM3 = Corrective action enhanced control monitoring: Confirmation monitoring samples collected following completion of corrective action control measures at High Priority Sites.

<sup>d</sup> Monitoring = Monitoring is ongoing at the SMA to collect two samples required to complete corrective action.

<sup>e</sup> AltCompR = Alternative compliance requested.

<sup>f</sup> CACompD = Corrective action is complete under the Permit with certification of RCRA completion of corrective action

**Table 4-2  
Enhanced Control Measures Installed during 2017**

SMA	BMP ID	Control Measure Type	Control Measure Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROFF <sup>d</sup>	Installation Date
CDV-SMA-7	V01303140013	Berm	Coir Log	— <sup>e</sup>	X <sup>f</sup>	X	—	6/29/2017

<sup>a</sup> EC = Erosion control.

<sup>b</sup> SC = Sediment control.

<sup>c</sup> RON = Run-on control.

<sup>d</sup> ROFF = Runoff control.

<sup>e</sup> — = Control does not perform the identified function.

<sup>f</sup> X = Control performs the identified function.

**Table 4-3  
Cumulative List of Individual Permit Sites  
Certified Corrective Action Complete with All Results Less than Target Action Levels**

Site No.	Associated SMA Number	Permitted Feature	Site Priority	Date Issued	Reference
06-006	2M-SMA-1.45	E005	Moderate	10/30/2015	LANL 2015, 601056
53-008	LA-SMA-10.12	L030A	Moderate	03/04/2016	LANL 2016, 601270

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

Associated SMA Number	Site No.	Site Priority	Permitted Feature	Date Issued	Reference	Part I.E.1(b) Sample Collection Date after No Exposure Certification
2M-SMA-2.2	03-003(k)	Moderate	E013	09/26/2016	LANL 2015, 600932	07/01/2016
CDB-SMA-4	54-017	High	C010	08/27/2014	LANL 2014, 260884	Monitoring is ongoing
CDB-SMA-4	54-018	High	C010	08/27/2014	LANL 2014, 260884	Monitoring is ongoing
CDB-SMA-4	54-020	High	C010	08/27/2014	LANL 2014, 260884	Monitoring is ongoing
LA-SMA-1	00-017	Moderate	L003	09/29/2015	LANL 2015, 600932	07/26/2017
M-SMA-4	48-005	Moderate	M006	10/25/2016	LANL 2015, 600932	08/03/2016
PJ-SMA-17	54-018	High	J024	08/27/2014	LANL 2014, 260884	10/14/2015
PJ-SMA-18	54-014(d)	Moderate	J026	08/28/2014	LANL 2014, 260887	Monitoring is ongoing
PJ-SMA-18	54-017	High	J026	08/28/2014	LANL 2014, 260887	Monitoring is ongoing
PJ-SMA-19	54-013(b)	High	J025	08/28/2014	LANL 2014, 260887	Monitoring is ongoing
PJ-SMA-19	54-017	High	J025	08/28/2014	LANL 2014, 260887	Monitoring is ongoing
PJ-SMA-19	54-020	High	J025	08/28/2014	LANL 2014, 260887	Monitoring is ongoing
PJ-SMA-20	54-017	High	J027	10/25/2013	LANL 2013, 260188	05/22/2014
PT-SMA-2.01	C-36-001	Moderate	I004A	08/28/2017	LANL 2017, 602575	Monitoring is ongoing
S-SMA-0.25	03-013(a)	High	S001	06/07/2016	LANL 2015, 600932	06/04/2016
T-SMA-1	50-009	High	T002	10/31/2013	LANL 2013, 250960	Monitoring is ongoing
W-SMA-1	16-017(j)-99	Moderate	W001	09/29/2015	LANL 2015, 600932	Monitoring is ongoing

**Table 4-5  
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	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	Complete with Controls	05/07/2013	NMED 2013, 522505
00-011(e)	Moderate	R005	R-SMA-2.3	BCComp	Complete with Controls	05/07/2013	NMED 2013, 522505
00-018(a)	High	P009	P-SMA-3.05	CACompD	Complete without Controls	01/28/2015	NMED 2015, 600178
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(b)	Moderate	L010	LA-SMA-4.1	AltCompR	Complete without Controls	07/13/2017	NMED 2017, 602514
01-006(c)	Moderate	L011	LA-SMA-4.2	MEx	Complete without Controls	07/13/2017	NMED 2017, 602514
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
04-001	Moderate	T010	T-SMA-7.1	MEx	Complete without Controls	05/18/2015	NMED 2015, 600446
04-002	Moderate	T010	T-SMA-7.1	MEx	Complete without Controls	05/18/2015	NMED 2015, 600446
04-003(b)	Moderate	T009	T-SMA-7	MEx	Complete without Controls	05/18/2015	NMED 2015, 600446
05-001(a)	Moderate	M019	M-SMA-12.8	MEx	Complete without Controls	09/16/2015	NMED 2015, 600917
05-001(b)	Moderate	M020	M-SMA-12.9	CACompD	Complete without Controls	09/16/2015	NMED 2015, 600917
05-001(c)	Moderate	M022	M-SMA-13	BCComp	Complete without Controls	09/16/2015	NMED 2015, 600917
05-002	Moderate	M020	M-SMA-12.9	CACompD	Complete without Controls	09/16/2015	NMED 2015, 600917
05-002	Moderate	M019	M-SMA-12.8	MEx	Complete without Controls	09/16/2015	NMED 2015, 600917
05-002	Moderate	M018	M-SMA-12.7	MEx	Complete without Controls	09/16/2015	NMED 2015, 600917
05-005(a)	Moderate	M018	M-SMA-12.7	MEx	Complete without Controls	09/16/2015	NMED 2015, 600917
05-006(b)	Moderate	M018	M-SMA-12.7	MEx	Complete without Controls	09/16/2015	NMED 2015, 600917

**Table 4-5 (continued)**

Site No.	Site Priority	Permitted Feature	SMA	Stage	Corrective Action Complete Status	Date Issued	Reference
05-006(e)	Moderate	M018	M-SMA-12.7	MEx	Complete without Controls	09/16/2015	NMED 2015, 600917
10-001(a)	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-001(b)	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-001(c)	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-001(d)	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-004(a)	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-004(b)	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-008	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
10-009	Moderate	B001	B-SMA-0.5	CACompD	Complete without Controls	01/31/2017	NMED 2017, 602136
16-017(a)-99	Moderate	V002	CDV-SMA-1.3	CACompD	Complete without Controls	08/01/2016	NMED 2016, 601692
16-017(b)-99	Moderate	V001	CDV-SMA-1.2	BCComp	Complete without Controls	08/01/2016	NMED 2016, 601692
16-026(m)	Moderate	V002	CDV-SMA-1.3	CACompD	Complete without Controls	08/01/2016	NMED 2016, 201692
16-029(k)	Moderate	V001	CDV-SMA-1.2	BCComp	Complete without Controls	08/01/2016	NMED 2016, 601692
16-030(c)	Moderate	V003	CDV-SMA-1.4	CACompD	Complete without Controls	01/23/2008	NMED 2008, 100116
21-009	Moderate	L019	LA-SMA-5.91	CACompD	Complete with Controls	01/19/2016	NMED 2016, 601146
21-013(b)	Moderate	L019A	LA-SMA-5.92	CACompD	Complete with Controls	06/03/2011	NMED 2011, 203706
21-013(c)	Moderate	D007	DP-SMA-3	CACompD	Complete with Controls	01/19/2016	NMED 2016, 601146
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
21-024(a)	Moderate	L025	LA-SMA-6.36	MEx	Complete with Controls	01/19/2016	NMED 2016, 601146
21-024(h)	Moderate	D005	DP-SMA-2	MEx	Complete with Controls	01/19/2016	NMED 2016, 601146
21-024(i)	High	L028	LA-SMA-6.5	MEx	Complete with Controls	01/19/2016	NMED 2016, 601146
21-024(j)	Moderate	L027	LA-SMA-6.395	CACompD	Complete with Controls	01/19/2016	NMED 2016, 601146
21-029	Moderate	D001	DP-SMA-0.3	CACompD	Complete with Controls	01/19/2016	NMED 2016, 601146
32-003	Moderate	L017A	LA-SMA-5.362	MEx	Complete with Controls	12/20/2012	NMED 2012, 521776



Table 4-5 (continued)

Site No.	Site Priority	Permitted Feature	SMA	Stage	Corrective Action Complete Status	Date Issued	Reference
32-004	Moderate	L016	LA-SMA-5.33	CACompD	Complete with Controls	12/28/2012	NMED 2012, 521746
35-003(h)	High	T001	Pratt-SMA-1.05	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-003(p)	High	T001	Pratt-SMA-1.05	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-003(r)	High	T001	Pratt-SMA-1.05	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-004(a)	Moderate	T006	T-SMA-4	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-004(a)	Moderate	T007	T-SMA-5	MEx	Complete without Controls	10/14/2015	NMED 2015, 600985
35-004(h)	High	T001	Pratt-SMA-1.05	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-008	Moderate	M012	M-SMA-10	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-009(a)	Moderate	T007	T-SMA-5	MEx	Complete with Controls	10/14/2015	NMED 2015, 600985
35-009(a)	Moderate	T006	T-SMA-4	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-009(d)	High	T001	Pratt-SMA-1.05	CACompD	Complete without Controls	10/24/2015	NMED 2015, 600985
35-010(e)	Moderate	T008	T-SMA-6.8	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-014(e)	Moderate	M012	M-SMA-10	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-014(e2)	High	M013	M-SMA-10.3	CACompD	Complete with Controls	09/27/2013	NMED 2013, 523693
35-014(g)	Moderate	T004	T-SMA-2.85	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-014(g3)	Moderate	T003	T-SMA-2.5	MEx	Complete with Controls	10/14/2015	NMED 2015, 600985
35-016(a)	Moderate	T007	T-SMA-5	MEx	Complete without Controls	10/14/2015	NMED 2015, 600985
35-016(b)	Moderate	T005	T-SMA-3	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-016(c)	Moderate	T006	T-SMA-4	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-016(d)	Moderate	T006	T-SMA-4	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-016(e)	Moderate	M012A	M-SMA-10.01	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-016(f)	Moderate	M011	M-SMA-9.1	MEx	Complete without Controls	10/14/2015	NMED 2015, 600985
35-016(i)	High	M013	M-SMA-10.3	CACompD	Complete with Controls	09/27/2013	NMED 2013, 523693
35-016(k)	High	T001	Pratt-SMA-1.05	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-016(l)	High	T001	Pratt-SMA-1.05	CACompD	Complete with Controls	10/14/2015	NMED 2015, 600985
35-016(m)	High	T001	Pratt-SMA-1.05	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985

**Table 4-5 (continued)**

Site No.	Site Priority	Permitted Feature	SMA	Stage	Corrective Action Complete Status	Date Issued	Reference
35-016(n)	Moderate	T004	T-SMA-2.85	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-016(o)	Moderate	M014	M-SMA-11.1	MEx	Complete with Controls	10/14/2015	NMED 2015, 600985
35-016(p)	Moderate	M015	M-SMA-12	CACompD	Complete without Controls	10/14/2015	NMED 2015, 600985
35-016(q)	Moderate	T007	T-SMA-5	MEx	Complete without Controls	10/14/2015	NMED 2015, 600985
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
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	CACompD	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	CACompD	Complete with Controls	08/13/2007	NMED 2007, 098441
73-006	Moderate	P006	P-SMA-2	CACompD	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-00-041	Moderate	R002	R-SMA-1	CACompD	Complete with Controls	07/22/2016	NMED 2016, 601644
C-46-001	Moderate	C004	CDB-SMA-1	CACompD	Complete without Controls	07/13/2012	NMED 2012, 520940

**Table 4-6  
Cumulative List of Individual Permit Sites with Force Majeure Extension Requests**

Site No.	Permitted Feature	Associated SMA	Date Requested	Reference	Comment
01-002(b)-00	P002	ACID-SMA-2	10/30/2015 06/06/2016	LANL 2015, 600979 LANL 2016, 601530	Force majeure is in effect. Site is not currently eligible for a CoC* under NMED's Consent Order. Updated force majeure request to allow time for completion of corrective action following installation of enhanced controls.
01-002(b)-00	P003	ACID-SMA-2.1	10/30/2015 06/06/2016	LANL 2015, 600979 LANL 2016, 601530	Force majeure is in effect. Site is not currently eligible for a CoC under NMED's Consent Order. Updated force majeure request to allow time for completion of corrective action following installation of enhanced controls.
03-012(b)	S003	S-SMA-2	09/23/2013	LANL 2013, 250039	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
03-014(b2)	S005B	S-SMA-3.53	09/23/2013	LANL 2013, 250039	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
03-029	S002	S-SMA-1.1	09/23/2013	LANL 2013, 250039	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
03-052(b)	S003A	S-SMA-2.01	09/23/2013	LANL 2013, 250039	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
03-052(f)	S001	S-SMA-0.25	09/10/2015	LANL 2015, 600910	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
05-004	M017	M-SMA-12.6	10/30/2015	LANL 2015, 600979	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
10-001(a)	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-001(b)	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-001(c)	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-001(d)	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-004(a)	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-004(b)	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-008	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
10-009	B001	B-SMA-0.5	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
16-017(a)-99	V002	CDV-SMA-1.3	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
16-026(m)	V002	CDV-SMA-1.3	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
21-009	L019	LA-SMA-5.91	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.

**Table 4-6 (continued)**

Site No.	Permitted Feature	Associated SMA	Date Requested	Reference	Comment
21-013(c)	D007	DP-SMA-3	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
21-024(j)	L027	LA-SMA-6.395	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
21-027(d)	L019	LA-SMA-5.91	10/30/2015	LANL 2015, 600979	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
21-029	D001	DP-SMA-0.3	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.
50-006(a)	T002	T-SMA-1	09/23/2013	LANL 2013, 250038	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
54-017	C010	CDB-SMA-4	1/30/2013	LANL 2013, 235016	Corrective action is complete with certification of no exposure.
54-017	J026	PJ-SMA-18	1/30/2013	LANL 2013, 235016	Corrective action is complete with certification of no exposure.
54-017	J025	PJ-SMA-19	1/30/2013	LANL 2013, 235016	Corrective action is complete with certification of no exposure.
54-017	J027	PJ-SMA-20	1/30/2013	LANL 2013, 235016	Corrective action is complete with certification of no exposure.
60-007(b)	S006	S-SMA-3.6	09/23/2013	LANL 2013, 250039	Force majeure is in effect. Site is eligible for a CoC under NMED's Consent Order.
C-00-041	R002	R-SMA-1	10/30/2015	LANL 2015, 600979	CoC received from NMED. Corrective action complete.

\* CoC = RCRA "corrective action complete without controls / corrective action complete with controls" status or a certificate of completion under NMED's Consent Order

**Table 4-7**  
**Cumulative List of Individual Permit Sites with Requests for Alternative Compliance**

Site No.	Permitted Feature	Associated SMA	Request for Alternative Compliance	Reference
01-003(b)	L010	LA-SMA-4.1	05/06/2015	LANL 2015, 600417
01-006(b)	L010	LA-SMA-4.1	05/06/2015	LANL 2015, 600417
03-001(k)	E010	2M-SMA-1.8	05/06/2015	LANL 2015, 600417
03-003(a)	E011	2M-SMA-1.9	05/06/2015	LANL 2015, 600417
03-010(a)	E001	2M-SMA-1	05/06/2015	LANL 2015, 600417
03-045(h)	M002B	M-SMA-1.22	05/06/2015	LANL 2015, 600417
03-050(a)	M001	M-SMA-1	05/06/2015	LANL 2015, 600417
03-050(d)	E012	2M-SMA-2	05/06/2015	LANL 2015, 600417
03-054(b)	E012	2M-SMA-2	05/06/2015	LANL 2015, 600417
03-054(e)	M001	M-SMA-1	05/06/2015	LANL 2015, 600417
03-055(a)	E009	2M-SMA-1.7	05/06/2015	LANL 2015, 600417
03-055(c)	L001	LA-SMA-0.85	05/06/2015	LANL 2015, 600417
04-003(a)	C001	CDB-SMA-0.15	02/26/2016	LANL 2016, 601239
04-004	C001	CDB-SMA-0.15	02/26/2016	LANL 2016, 601239
06-001(a)	E002	2M-SMA-1.42	02/26/2016	LANL 2016, 601239
08-009(f)	J028	STRM-SMA-1.05	05/06/2015	LANL 2015, 600417
09-004(g)	J004	PJ-SMA-4.05	05/06/2015	LANL 2015, 600419
09-005(g)	J004	PJ-SMA-4.05	05/06/2015	LANL 2015, 600419
09-013	J031	STRM-SMA-5.05	02/26/2016	LANL 2016, 601239
11-002	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
11-003(b)	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
11-005(a)	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
11-005(b)	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
11-006(c)	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
11-006(d)	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
11-011(a)	W015	W-SMA-9.7	05/06/2015	LANL 2015, 600417
11-011(b)	W015	W-SMA-9.7	05/06/2015	LANL 2015, 600417
11-011(d)	W018	W-SMA-10	02/26/2016	LANL 2016, 601239
13-001	V007	CDV-SMA-2.3	02/26/2016	LANL 2016, 601239
13-001	W012	W-SMA-8.7	05/06/2015	LANL 2015, 600417
13-002	V007	CDV-SMA-2.3	02/26/2016	LANL 2016, 601239
13-002	W012	W-SMA-8.7	05/06/2015	LANL 2015, 600417
15-004(h)	W021	W-SMA-14.1	05/06/2015	LANL 2015, 600419
15-006(b)	H002	3M-SMA-0.4	05/06/2015	LANL 2015, 600419
15-009(c)	H003	3M-SMA-0.5	05/06/2015	LANL 2015, 600417
15-011(c)	V014	CDV-SMA-8	05/06/2015	LANL 2015, 600417
15-014(l)	W021	W-SMA-14.1	05/06/2015	LANL 2015, 600419
16-001(e)	W006	W-SMA-5	05/06/2015	LANL 2015, 600417

Table 4-7 (continued)

Site No.	Permitted Feature	Associated SMA	Request for Alternative Compliance	Reference
16-003(f)	W006	W-SMA-5	05/06/2015	LANL 2015, 600417
16-003(n)	V007	CDV-SMA-2.3	02/26/2016	LANL 2016, 601239
16-003(o)	V007	CDV-SMA-2.3	02/26/2016	LANL 2016, 601239
16-004(a)	W012	W-SMA-8.7	05/06/2015	LANL 2015, 600417
16-010(i)	V009A	CDV-SMA-2.51	05/06/2015	LANL 2015, 600419
16-021(c)	V006	CDV-SMA-2	05/06/2015	LANL 2015, 600419
16-026(b)	W006	W-SMA-5	05/06/2015	LANL 2015, 600417
16-026(c)	W006	W-SMA-5	05/06/2015	LANL 2015, 600417
16-026(c2)	W001	W-SMA-1	05/06/2015	LANL 2015, 600417
16-026(d)	W006	W-SMA-5	05/06/2015	LANL 2015, 600417
16-026(e)	W006	W-SMA-5	05/06/2015	LANL 2015, 600417
16-026(j2)	W012	W-SMA-8.7	05/06/2015	LANL 2015, 600417
16-026(v)	W001	W-SMA-1	05/06/2015	LANL 2015, 600417
16-029(h)	V007	CDV-SMA-2.3	02/26/2016	LANL 2016, 601239
16-029(h)	W012	W-SMA-8.7	05/06/2015	LANL 2015, 600417
16-031(h)	V007	CDV-SMA-2.3	02/26/2016	LANL 2016, 601239
16-035	W012	W-SMA-8.7	05/06/2015	LANL 2015, 600417
20-002(a)	S010	S-SMA-3.95	05/06/2015	LANL 2015, 600419
20-005	S015	S-SMA-5.5	05/06/2015	LANL 2015, 600419
21-021	D002	DP-SMA-0.4	05/06/2015	LANL 2015, 600417
21-021	D006	DP-SMA-2.35	05/06/2015	LANL 2015, 600419
21-021	L019	LA-SMA-5.91	05/06/2015	LANL 2015, 600419
21-021	L027	LA-SMA-6.395	05/06/2015	LANL 2015, 600419
21-024(n)	D006	DP-SMA-2.35	05/06/2015	LANL 2015, 600419
22-014(a)	E003	2M-SMA-1.43	05/06/2015	LANL 2015, 600417
22-015(a)	E003	2M-SMA-1.43	05/06/2015	LANL 2015, 600417
26-001	L029	LA-SMA-9	05/06/2015	LANL 2015, 600419
26-002(a)	L029	LA-SMA-9	05/06/2015	LANL 2015, 600419
26-002(b)	L029	LA-SMA-9	05/06/2015	LANL 2015, 600419
26-003	L029	LA-SMA-9	05/06/2015	LANL 2015, 600419
33-004(d)	Q003	CHQ-SMA-2	05/06/2015	LANL 2015, 600417
33-004(k)	A009	A-SMA-6	05/06/2015	LANL 2015, 600417
33-007(a)	A009	A-SMA-6	05/06/2015	LANL 2015, 600417
33-010(a)	A009	A-SMA-6	05/06/2015	LANL 2015, 600417
33-011(b)	Q007	CHQ-SMA-4.5	05/06/2015	LANL 2015, 600419
33-016	Q006	CHQ-SMA-4.1	05/06/2015	LANL 2015, 600419
35-016(g)	M009	M-SMA-7	05/06/2015	LANL 2015, 600417
35-016(h)	M008	M-SMA-6	05/06/2015	LANL 2015, 600417
40-010	J007	PJ-SMA-6	05/06/2015	LANL 2015, 600419

**Table 4-7 (continued)**

Site No.	Permitted Feature	Associated SMA	Request for Alternative Compliance	Reference
46-004(c2)	C002	CDB-SMA-0.25	05/06/2015	LANL 2015, 600417
46-004(e2)	C002	CDB-SMA-0.25	05/06/2015	LANL 2015, 600417
46-004(g)	C003	CDB-SMA-0.55	05/06/2015	LANL 2015, 600417
46-004(s)	C003	CDB-SMA-0.55	05/06/2015	LANL 2015, 600417
46-006(f)	C003	CDB-SMA-0.55	05/06/2015	LANL 2015, 600417
48-001	M003	M-SMA-3	05/06/2015	LANL 2015, 600417
48-001	M006	M-SMA-4	05/06/2015	LANL 2015, 600417
48-007(c)	M003	M-SMA-3	05/06/2015	LANL 2015, 600417
50-006(d)	M010	M-SMA-7.9	04/21/2014	LANL 2014, 255538
C-00-044	L003	LA-SMA-1	05/06/2015	LANL 2015, 600417
C-33-003	Q003	CHQ-SMA-2	05/06/2015	LANL 2015, 600417
C-41-004	L014	LA-SMA-5.35	05/06/2015	LANL 2015, 600417
C-43-001	L005	LA-SMA-1.25	05/06/2015	LANL 2015, 600417

**Table 6-1  
Individual Permit  
Rain Gage Network during 2017**

Rain Gage	Number of SMAs
LANL Meteorology Tower	
RG-NCOM	3
RG-TA-06	23
RG-TA-53	11
RG-TA-54	6
<b>LANL Seasonal Rain Gage</b>	
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**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG-NCOM	7/29/17	0.27	8/1/17	R-SMA-2.05	R004	3	Yes
			8/11/17	R-SMA-0.5	R001	13	Yes
			8/11/17	R-SMA-1	R002	13	Yes
RG-NCOM	8/23/17	0.27	8/31/17	R-SMA-1	R002	7	Yes
			8/31/17	R-SMA-2.05	R004	7	Yes
			9/1/17	R-SMA-0.5	R001	8	Yes
RG-TA-06	6/6/17	0.48	6/12/17	2M-SMA-1.65	E007	6	Yes
			6/12/17	2M-SMA-2.5	E015	6	Yes
			6/12/17	PJ-SMA-6	J007	6	Yes
			6/12/17	PJ-SMA-7	J008	6	Yes
			6/12/17	PJ-SMA-10	J012	6	Yes
			6/12/17	PJ-SMA-11	J013	6	Yes
			6/12/17	PJ-SMA-11.1	J014	6	Yes
			6/13/17	2M-SMA-1.42	E002	7	Yes
			6/13/17	2M-SMA-1.44	E004	7	Yes
			6/13/17	2M-SMA-1.45	E005	7	Yes
			6/13/17	2M-SMA-1.67	E008	7	Yes
			6/13/17	2M-SMA-1.7	E009	7	Yes
			6/13/17	2M-SMA-1.8	E010	7	Yes
			6/13/17	3M-SMA-0.2	H001	7	Yes
			6/13/17	PJ-SMA-5	J005	7	Yes
			6/13/17	PJ-SMA-5.1	J006	7	Yes
			6/15/17	2M-SMA-1.43	E003	9	Yes
			6/15/17	2M-SMA-1.5	E006	9	Yes
			6/15/17	2M-SMA-3	E014	9	Yes
			6/15/17	PJ-SMA-8	J009	9	Yes
6/15/17	PJ-SMA-9	J010	9	Yes			
6/15/17	M-SMA-3	M003	9	Yes			
6/15/17	M-SMA-3.1	M004	9	Yes			



**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG-TA-06	6/25/17	0.26	6/27/17	2M-SMA-1.67	E008	2	Yes
			6/27/17	3M-SMA-0.2	H001	2	Yes
			6/27/17	PJ-SMA-5	J005	2	Yes
			6/27/17	PJ-SMA-5.1	J006	2	Yes
			6/27/17	M-SMA-3	M003	2	Yes
			6/27/17	M-SMA-3.1	M004	2	Yes
			6/28/17	2M-SMA-1.43	E003	3	Yes
			6/28/17	2M-SMA-1.5	E006	3	Yes
			6/28/17	2M-SMA-1.65	E007	3	Yes
			6/28/17	PJ-SMA-10	J012	3	Yes
			6/29/17	2M-SMA-2.5	E015	4	Yes
			7/5/17	2M-SMA-1.42	E002	10	Yes
			7/5/17	2M-SMA-1.44	E004	10	Yes
			7/5/17	2M-SMA-1.45	E005	10	Yes
			7/5/17	2M-SMA-1.7	E009	10	Yes
			7/5/17	2M-SMA-1.8	E010	10	Yes
			7/6/17	2M-SMA-3	E014	11	Yes
			7/6/17	PJ-SMA-6	J007	11	Yes
			7/6/17	PJ-SMA-7	J008	11	Yes
			7/6/17	PJ-SMA-8	J009	11	Yes
7/6/17	PJ-SMA-9	J010	11	Yes			
7/6/17	PJ-SMA-11	J013	11	Yes			
7/6/17	PJ-SMA-11.1	J014	11	Yes			
RG-TA-06	7/12/17	0.25	7/17/17	2M-SMA-1.43	E003	5	Yes
			7/17/17	2M-SMA-1.5	E006	5	Yes
			7/17/17	3M-SMA-0.2	H001	5	Yes
			7/19/17	2M-SMA-1.44	E004	7	Yes
			7/19/17	2M-SMA-1.45	E005	7	Yes
			7/19/17	2M-SMA-1.65	E007	7	Yes
			7/19/17	2M-SMA-1.67	E008	7	Yes
			7/19/17	PJ-SMA-6	J007	7	Yes
			7/19/17	PJ-SMA-10	J012	7	Yes
			7/19/17	PJ-SMA-11	J013	7	Yes
			7/19/17	PJ-SMA-11.1	J014	7	Yes
			7/20/17	2M-SMA-3	E014	8	Yes
			7/21/17	PJ-SMA-5	J005	9	Yes
7/21/17	PJ-SMA-5.1	J006	9	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			7/24/17	2M-SMA-1.42	E002	12	Yes
			7/24/17	2M-SMA-1.7	E009	12	Yes
			7/24/17	2M-SMA-1.8	E010	12	Yes
			7/24/17	2M-SMA-2.5	E015	12	Yes
			7/24/17	PJ-SMA-7	J008	12	Yes
			7/24/17	PJ-SMA-8	J009	12	Yes
			7/24/17	PJ-SMA-9	J010	12	Yes
			7/24/17	M-SMA-3	M003	12	Yes
			7/24/17	M-SMA-3.1	M004	12	Yes
RG-TA-06	7/26/17	0.44	7/27/17	2M-SMA-1.43	E003	1	Yes
RG-TA-06	7/26/17 7/29/17	0.44 0.26	7/31/17	2M-SMA-1.65	E007	5	Yes
			7/31/17	3M-SMA-0.2	H001	5	Yes
			7/31/17	PJ-SMA-8	J009	5	Yes
			7/31/17	PJ-SMA-9	J010	5	Yes
			7/31/17	PJ-SMA-10	J012	5	Yes
			7/31/17	PJ-SMA-11	J013	5	Yes
			7/31/17	PJ-SMA-11.1	J014	5	Yes
			7/31/17	M-SMA-3.1	M004	5	Yes
			8/2/17	2M-SMA-1.67	E008	7	Yes
			8/2/17	PJ-SMA-5	J005	7	Yes
			8/2/17	PJ-SMA-5.1	J006	7	Yes
			8/4/17	2M-SMA-1.42	E002	9	Yes
			8/4/17	2M-SMA-1.44	E004	9	Yes
			8/4/17	2M-SMA-1.45	E005	9	Yes
			8/4/17	2M-SMA-1.5	E006	9	Yes
			8/4/17	2M-SMA-1.7	E009	9	Yes
			8/4/17	2M-SMA-1.8	E010	9	Yes
			8/8/17	2M-SMA-3	E014	13	Yes
			8/8/17	M-SMA-3	M003	13	Yes
			8/9/17	2M-SMA-2.5	E015	14	Yes
8/9/17	PJ-SMA-6	J007	14	Yes			
8/9/17	PJ-SMA-7	J008	14	Yes			
RG-TA-06	7/29/17	0.26	8/4/17	2M-SMA-1.43	E003	6	Yes
RG-TA-06	9/28/17	0.41	10/2/17	PJ-SMA-11	J013	4	Yes
			10/2/17	PJ-SMA-11.1	J014	4	Yes
			10/4/17	2M-SMA-1.42	E002	6	Yes
			10/4/17	2M-SMA-1.44	E004	6	Yes
			10/4/17	2M-SMA-1.45	E005	6	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG-TA-06	9/28/17 10/4/17	0.41 0.41	10/10/17	M-SMA-3	M003	12	Yes
			10/10/17	M-SMA-3.1	M004	12	Yes
			10/11/17	2M-SMA-1.43	E003	13	Yes
			10/11/17	2M-SMA-1.5	E006	13	Yes
			10/11/17	2M-SMA-1.65	E007	13	Yes
			10/11/17	2M-SMA-1.67	E008	13	Yes
			10/11/17	2M-SMA-1.7	E009	13	Yes
			10/11/17	2M-SMA-1.8	E010	13	Yes
			10/11/17	2M-SMA-3	E014	13	Yes
			10/11/17	2M-SMA-2.5	E015	13	Yes
			10/11/17	3M-SMA-0.2	H001	13	Yes
			10/11/17	PJ-SMA-5	J005	13	Yes
			10/11/17	PJ-SMA-5.1	J006	13	Yes
			10/11/17	PJ-SMA-6	J007	13	Yes
			10/11/17	PJ-SMA-7	J008	13	Yes
10/11/17	PJ-SMA-8	J009	13	Yes			
10/11/17	PJ-SMA-9	J010	13	Yes			
10/11/17	PJ-SMA-10	J012	13	Yes			
RG-TA-06	10/4/17	0.41	10/16/17	2M-SMA-1.42	E002	12	Yes
			10/16/17	2M-SMA-1.45	E005	12	Yes
			10/17/17	2M-SMA-1.44	E004	13	Yes
			10/18/17	PJ-SMA-11	J013	14	Yes
			10/18/17	PJ-SMA-11.1	J014	14	Yes
RG-TA-49	3/28/17	0.29	4/3/17	PT-SMA-1.7	I003	6	Yes
			4/3/17	CHQ-SMA-1.01	Q002	6	Yes
			4/3/17	CHQ-SMA-1.02	Q002A	6	Yes
			4/3/17	CHQ-SMA-1.03	Q002B	6	Yes
			4/3/17	CHQ-SMA-3.05	Q004	6	Yes
			4/3/17	CHQ-SMA-4	Q005	6	Yes
			4/3/17	CHQ-SMA-4.1	Q006	6	Yes
			4/3/17	CHQ-SMA-5.05	Q008	6	Yes
			4/3/17	CHQ-SMA-6	Q009	6	Yes
			4/3/17	CHQ-SMA-7.1	Q010	6	Yes
			4/3/17	CDV-SMA-9.05	V016	6	Yes
			4/3/17	W-SMA-14.1	W021	6	Yes
			4/4/17	A-SMA-1.1	A001	7	Yes
4/4/17	A-SMA-2	A002	7	Yes			
4/4/17	A-SMA-2.5	A003	7	Yes			

Table 6-2 (continued)

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			4/4/17	A-SMA-2.7	A004	7	Yes
			4/4/17	A-SMA-2.8	A005	7	Yes
			4/4/17	PT-SMA-0.5	I001	7	Yes
			4/4/17	PT-SMA-1	I002	7	Yes
			4/4/17	PT-SMA-2	I004	7	Yes
			4/4/17	PT-SMA-2.01	I004A	7	Yes
			4/4/17	CHQ-SMA-0.5	Q001	7	Yes
			4/4/17	CHQ-SMA-2	Q003	7	Yes
			4/5/17	F-SMA-2	F001	8	Yes
			4/5/17	3M-SMA-2.6	H005	8	Yes
			4/6/17	W-SMA-12.05	W020	9	Yes
			4/6/17	W-SMA-15.1	W022	9	Yes
			4/7/17	A-SMA-3	A006	10	Yes
			4/7/17	W-SMA-11.7	W019	10	Yes
RG-TA-53	7/9/17	0.43	7/14/17	LA-SMA-9	L029	5	Yes
			7/17/17	DP-SMA-4	D008	8	Yes
			7/19/17	LA-SMA-10.11	L030	10	Yes
			7/19/17	LA-SMA-10.12	L030A	10	Yes
			7/19/17	S-SMA-4.1	S011	10	Yes
			7/19/17	S-SMA-5.2	S014	10	Yes
			7/21/17	B-SMA-0.5	B001	12	Yes
			7/21/17	P-SMA-0.3	P004	12	Yes
			7/21/17	S-SMA-5	S013	12	Yes
			7/21/17	S-SMA-5.5	S015	12	Yes
			7/24/17	S-SMA-6	S016	15	Yes
RG-TA-53	7/26/17	0.46	7/27/17	S-SMA-6	S016	1	Yes
RG-TA-53	7/26/17 7/27/17	0.46 0.27	7/31/17	S-SMA-5.5	S015	5	Yes
			8/2/17	DP-SMA-4	D008	7	Yes
			8/4/17	LA-SMA-10.11	L030	9	Yes
			8/4/17	LA-SMA-10.12	L030A	9	Yes
			8/4/17	S-SMA-4.1	S011	9	Yes
			8/4/17	S-SMA-5.2	S014	9	Yes
RG-TA-53	7/26/17 7/27/17 8/7/17	0.46 0.27 0.47	8/9/17	B-SMA-0.5	B001	14	Yes
			8/9/17	LA-SMA-9	L029	14	Yes
			8/9/17	P-SMA-0.3	P004	14	Yes
			8/9/17	S-SMA-5	S013	14	Yes
RG-TA-53	7/27/17 8/7/17	0.27 0.47	8/10/17	S-SMA-6	S016	14	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG-TA-53	8/7/17	0.47	8/10/17	DP-SMA-4	D008	3	Yes
			8/15/17	LA-SMA-10.11	L030	8	Yes
			8/15/17	LA-SMA-10.12	L030A	8	Yes
			8/15/17	S-SMA-4.1	S011	8	Yes
			8/15/17	S-SMA-5.2	S014	8	Yes
			8/16/17	S-SMA-5.5	S015	9	Yes
RG-TA-53	9/27/17	0.26	10/4/17	B-SMA-0.5	B001	7	Yes
			10/4/17	S-SMA-5	S013	7	Yes
			10/4/17	S-SMA-5.5	S015	7	Yes
			10/4/17	S-SMA-6	S016	7	Yes
RG-TA-53	9/27/17 10/4/17	0.26 0.69	10/5/17	DP-SMA-4	D008	8	Yes
			10/10/17	LA-SMA-9	L029	13	Yes
			10/10/17	P-SMA-0.3	P004	13	Yes
			10/11/17	LA-SMA-10.11	L030	14	Yes
			10/11/17	LA-SMA-10.12	L030A	14	Yes
			10/11/17	S-SMA-4.1	S011	14	Yes
			10/11/17	S-SMA-5.2	S014	14	Yes
RG-TA-53	10/4/17	0.69	10/18/17	B-SMA-0.5	B001	14	Yes
			10/18/17	S-SMA-5	S013	14	Yes
			10/18/17	S-SMA-5.5	S015	14	Yes
			10/18/17	S-SMA-6	S016	14	Yes
RG-TA-54	3/28/17	0.25	4/4/17	A-SMA-3.5	A007	7	Yes
			4/3/17	A-SMA-4	A008	6	Yes
			4/3/17	A-SMA-6	A009	6	Yes
			4/3/17	CHQ-SMA-4.5	Q007	6	Yes
			4/5/17	CDB-SMA-4	C010	8	Yes
			4/5/17	PT-SMA-4.2	I007	8	Yes
			4/5/17	PJ-SMA-16	J023	8	Yes
			4/5/17	PJ-SMA-17	J024	8	Yes
			4/5/17	PJ-SMA-19	J025	8	Yes
			4/5/17	PJ-SMA-18	J026	8	Yes
			4/5/17	PJ-SMA-20	J027	8	Yes
RG-TA-54	7/26/17	0.31	8/7/17	CDB-SMA-4	C010	12	Yes
			8/7/17	PJ-SMA-16	J023	12	Yes
			8/7/17	PJ-SMA-17	J024	12	Yes
			8/7/17	PJ-SMA-19	J025	12	Yes
			8/7/17	PJ-SMA-18	J026	12	Yes
			8/7/17	PJ-SMA-20	J027	12	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG-TA-54	9/27/17	0.29	10/3/17	CDB-SMA-4	C010	6	Yes
			10/3/17	PJ-SMA-16	J023	6	Yes
			10/3/17	PJ-SMA-17	J024	6	Yes
			10/3/17	PJ-SMA-19	J025	6	Yes
			10/3/17	PJ-SMA-18	J026	6	Yes
			10/3/17	PJ-SMA-20	J027	6	Yes
RG-TA-54	10/5/17	0.25	10/18/17	CDB-SMA-4	C010	13	Yes
			10/18/17	PJ-SMA-16	J023	13	Yes
			10/18/17	PJ-SMA-17	J024	13	Yes
			10/18/17	PJ-SMA-19	J025	13	Yes
			10/18/17	PJ-SMA-18	J026	13	Yes
			10/18/17	PJ-SMA-20	J027	13	Yes
RG038	6/7/17	0.25	6/8/17	R-SMA-2.5	R006	1	Yes
			6/9/17	LA-SMA-5.361	L017	2	Yes
			6/9/17	LA-SMA-5.362	L017A	2	Yes
			6/9/17	P-SMA-1	P005	2	Yes
			6/12/17	DP-SMA-0.4	D002	5	Yes
			6/13/17	DP-SMA-0.6	D003	6	Yes
			6/13/17	DP-SMA-1	D004	6	Yes
			6/13/17	DP-SMA-2	D005	6	Yes
			6/13/17	DP-SMA-2.35	D006	6	Yes
			6/13/17	DP-SMA-3	D007	6	Yes
			6/13/17	P-SMA-2.15	P007	6	Yes
			6/14/17	DP-SMA-0.3	D001	7	Yes
			6/14/17	LA-SMA-5.31	L015	7	Yes
			6/14/17	LA-SMA-5.33	L016	7	Yes
			6/14/17	LA-SMA-5.51	L018	7	Yes
			6/14/17	LA-SMA-5.52	L018A	7	Yes
			6/14/17	LA-SMA-5.53	L018B	7	Yes
			6/14/17	LA-SMA-5.54	L018C	7	Yes
			6/14/17	LA-SMA-5.92	L019A	7	Yes
			6/14/17	LA-SMA-6.25	L020	7	Yes
			6/14/17	LA-SMA-6.27	L021	7	Yes
			6/14/17	LA-SMA-6.3	L022	7	Yes
			6/14/17	LA-SMA-6.31	L022A	7	Yes
			6/14/17	LA-SMA-6.32	L023	7	Yes
6/14/17	LA-SMA-6.34	L024	7	Yes			
6/14/17	LA-SMA-6.36	L025	7	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			6/14/17	LA-SMA-6.38	L026	7	Yes
			6/14/17	LA-SMA-6.5	L028	7	Yes
			6/15/17	LA-SMA-6.395	L027	8	Yes
			6/15/17	P-SMA-2.2	P008	8	Yes
			6/15/17	R-SMA-1.95	R003	8	Yes
			6/20/17	LA-SMA-5.91	L019	13	Yes
			6/20/17	P-SMA-2	P006	13	Yes
			6/20/17	R-SMA-2.3	R005	13	Yes
RG038	7/8/17	0.28	7/12/17	R-SMA-1.95	R003	4	Yes
			7/12/17	R-SMA-2.3	R005	4	Yes
			7/12/17	R-SMA-2.5	R006	4	Yes
			7/13/17	P-SMA-2	P006	5	Yes
			7/13/17	P-SMA-2.15	P007	5	Yes
			7/14/17	LA-SMA-5.33	L016	6	Yes
			7/14/17	LA-SMA-5.361	L017	6	Yes
			7/14/17	LA-SMA-5.362	L017A	6	Yes
			7/17/17	DP-SMA-0.4	D002	9	Yes
			7/17/17	DP-SMA-0.6	D003	9	Yes
			7/17/17	DP-SMA-1	D004	9	Yes
			7/17/17	DP-SMA-2	D005	9	Yes
			7/17/17	DP-SMA-2.35	D006	9	Yes
			7/17/17	LA-SMA-6.32	L023	9	Yes
			7/17/17	P-SMA-1	P005	9	Yes
			7/17/17	P-SMA-2.2	P008	9	Yes
			7/18/17	LA-SMA-5.51	L018	10	Yes
			7/18/17	LA-SMA-5.52	L018A	10	Yes
			7/18/17	LA-SMA-5.53	L018B	10	Yes
			7/18/17	LA-SMA-5.54	L018C	10	Yes
			7/19/17	LA-SMA-5.31	L015	11	Yes
			7/20/17	DP-SMA-3	D007	12	Yes
			7/20/17	LA-SMA-5.91	L019	12	Yes
			7/20/17	LA-SMA-5.92	L019A	12	Yes
			7/20/17	LA-SMA-6.25	L020	12	Yes
			7/20/17	LA-SMA-6.27	L021	12	Yes
			7/20/17	LA-SMA-6.3	L022	12	Yes
			7/20/17	LA-SMA-6.31	L022A	12	Yes
7/20/17	LA-SMA-6.34	L024	12	Yes			
7/20/17	LA-SMA-6.36	L025	12	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			7/20/17	LA-SMA-6.38	L026	12	Yes
			7/20/17	LA-SMA-6.395	L027	12	Yes
			7/20/17	LA-SMA-6.5	L028	12	Yes
			7/21/17	DP-SMA-0.3	D001	13	Yes
RG038	7/26/17	0.48	7/28/17	R-SMA-2.5	R006	2	Yes
			8/2/17	DP-SMA-0.4	D002	7	Yes
			8/2/17	DP-SMA-0.6	D003	7	Yes
			8/2/17	DP-SMA-1	D004	7	Yes
			8/2/17	DP-SMA-2	D005	7	Yes
			8/2/17	DP-SMA-2.35	D006	7	Yes
			8/2/17	DP-SMA-3	D007	7	Yes
			8/3/17	LA-SMA-5.91	L019	8	Yes
			8/3/17	LA-SMA-5.92	L019A	8	Yes
			8/3/17	LA-SMA-6.25	L020	8	Yes
			8/3/17	LA-SMA-6.27	L021	8	Yes
			8/3/17	LA-SMA-6.3	L022	8	Yes
			8/3/17	LA-SMA-6.31	L022A	8	Yes
			8/3/17	LA-SMA-6.32	L023	8	Yes
			8/3/17	LA-SMA-6.34	L024	8	Yes
			8/3/17	LA-SMA-6.36	L025	8	Yes
			8/3/17	LA-SMA-6.38	L026	8	Yes
			8/3/17	LA-SMA-6.395	L027	8	Yes
			8/3/17	LA-SMA-6.5	L028	8	Yes
			8/4/17	LA-SMA-5.51	L018	9	Yes
			8/4/17	LA-SMA-5.52	L018A	9	Yes
			8/4/17	LA-SMA-5.53	L018B	9	Yes
			8/4/17	LA-SMA-5.54	L018C	9	Yes
			8/7/17	LA-SMA-5.33	L016	12	Yes
8/7/17	LA-SMA-5.361	L017	12	Yes			
8/7/17	LA-SMA-5.362	L017A	12	Yes			
8/7/17	P-SMA-2.2	P008	12	Yes			
RG038	7/26/17 8/7/17	0.48 0.43	8/7/17	P-SMA-1	P005	12	Yes
			8/7/17	P-SMA-2	P006	12	Yes
			8/7/17	P-SMA-2.15	P007	12	Yes
			8/8/17	LA-SMA-5.31	L015	13	Yes
			8/9/17	DP-SMA-0.3	D001	14	Yes
			8/9/17	R-SMA-1.95	R003	14	Yes
8/9/17	R-SMA-2.3	R005	14	Yes			



**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG038	8/7/17	0.43	8/10/17	DP-SMA-0.4	D002	3	Yes
			8/10/17	DP-SMA-0.6	D003	3	Yes
			8/10/17	DP-SMA-1	D004	3	Yes
			8/10/17	DP-SMA-2	D005	3	Yes
			8/10/17	DP-SMA-2.35	D006	3	Yes
			8/10/17	DP-SMA-3	D007	3	Yes
			8/11/17	LA-SMA-5.33	L016	4	Yes
			8/11/17	LA-SMA-5.361	L017	4	Yes
			8/11/17	LA-SMA-5.362	L017A	4	Yes
			8/15/17	LA-SMA-5.91	L019	8	Yes
			8/15/17	LA-SMA-5.92	L019A	8	Yes
			8/15/17	LA-SMA-6.32	L023	8	Yes
			8/16/17	P-SMA-2.2	P008	9	Yes
			8/16/17	R-SMA-2.5	R006	9	Yes
			8/17/17	LA-SMA-6.25	L020	10	Yes
			8/17/17	LA-SMA-6.27	L021	10	Yes
			8/17/17	LA-SMA-6.3	L022	10	Yes
			8/17/17	LA-SMA-6.31	L022A	10	Yes
			8/17/17	LA-SMA-6.34	L024	10	Yes
			8/17/17	LA-SMA-6.36	L025	10	Yes
			8/17/17	LA-SMA-6.38	L026	10	Yes
			8/17/17	LA-SMA-6.395	L027	10	Yes
			8/17/17	LA-SMA-6.5	L028	10	Yes
8/18/17	LA-SMA-5.51	L018	11	Yes			
8/18/17	LA-SMA-5.52	L018A	11	Yes			
8/18/17	LA-SMA-5.53	L018B	11	Yes			
8/18/17	LA-SMA-5.54	L018C	11	Yes			
RG038	10/4/17	0.48	10/10/17	LA-SMA-5.33	L016	6	Yes
			10/10/17	LA-SMA-5.361	L017	6	Yes
			10/10/17	LA-SMA-5.362	L017A	6	Yes
			10/11/17	DP-SMA-0.6	D003	7	Yes
			10/11/17	DP-SMA-1	D004	7	Yes
			10/11/17	DP-SMA-2	D005	7	Yes
			10/11/17	DP-SMA-3	D007	7	Yes
			10/11/17	LA-SMA-5.92	L019A	7	Yes
			10/11/17	LA-SMA-6.32	L023	7	Yes
			10/12/17	P-SMA-1	P005	8	Yes
			10/12/17	P-SMA-2	P006	8	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			10/12/17	P-SMA-2.15	P007	8	Yes
			10/12/17	P-SMA-2.2	P008	8	Yes
			10/16/17	DP-SMA-0.4	D002	12	Yes
			10/16/17	DP-SMA-2.35	D006	12	Yes
			10/16/17	LA-SMA-5.31	L015	12	Yes
			10/16/17	LA-SMA-5.51	L018	12	Yes
			10/16/17	LA-SMA-5.52	L018A	12	Yes
			10/16/17	LA-SMA-5.53	L018B	12	Yes
			10/16/17	LA-SMA-5.54	L018C	12	Yes
			10/16/17	LA-SMA-5.91	L019	12	Yes
			10/16/17	LA-SMA-6.25	L020	12	Yes
			10/16/17	LA-SMA-6.27	L021	12	Yes
			10/16/17	LA-SMA-6.3	L022	12	Yes
			10/16/17	LA-SMA-6.31	L022A	12	Yes
			10/16/17	LA-SMA-6.34	L024	12	Yes
			10/16/17	LA-SMA-6.36	L025	12	Yes
			10/16/17	LA-SMA-6.38	L026	12	Yes
			10/16/17	LA-SMA-6.395	L027	12	Yes
			10/16/17	LA-SMA-6.5	L028	12	Yes
			10/17/17	DP-SMA-0.3	D001	13	Yes
10/17/17	R-SMA-1.95	R003	13	Yes			
10/17/17	R-SMA-2.3	R005	13	Yes			
10/17/17	R-SMA-2.5	R006	13	Yes			
RG055.5	7/8/17	0.5	7/12/17	ACID-SMA-2	P002	4	Yes
			7/12/17	ACID-SMA-2.01	P002A	4	Yes
			7/12/17	ACID-SMA-2.1	P003	4	Yes
			7/13/17	ACID-SMA-1.05	P001	5	Yes
			7/18/17	LA-SMA-3.1	L008	10	Yes
			7/18/17	LA-SMA-3.9	L009	10	Yes
			7/18/17	LA-SMA-4.1	L010	10	Yes
			7/18/17	LA-SMA-4.2	L011	10	Yes
			7/18/17	LA-SMA-5.01	L012	10	Yes
			7/19/17	LA-SMA-5.02	L012A	11	Yes
			7/19/17	LA-SMA-5.2	L013	11	Yes
			7/19/17	LA-SMA-5.35	L014	11	Yes
			7/21/17	B-SMA-1	B002	13	Yes
			7/21/17	LA-SMA-2.1	L006	13	Yes
7/21/17	LA-SMA-2.3	L007	13	Yes			
7/21/17	P-SMA-3.05	P009	13	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG055.5	7/26/17 7/29/17	0.6 0.27	8/2/17	LA-SMA-4.1	L010	7	Yes
			8/2/17	LA-SMA-4.2	L011	7	Yes
			8/2/17	LA-SMA-5.01	L012	7	Yes
			8/2/17	LA-SMA-5.02	L012A	7	Yes
			8/3/17	LA-SMA-3.1	L008	8	Yes
			8/3/17	LA-SMA-3.9	L009	8	Yes
			8/7/17	ACID-SMA-1.05	P001	12	Yes
			8/7/17	ACID-SMA-2	P002	12	Yes
			8/7/17	ACID-SMA-2.01	P002A	12	Yes
RG055.5	7/26/17 7/29/17 8/7/17	0.6 0.27 0.3	8/7/17	LA-SMA-5.2	L013	12	Yes
			8/8/17	LA-SMA-2.1	L006	13	Yes
			8/8/17	LA-SMA-2.3	L007	13	Yes
			8/8/17	LA-SMA-5.35	L014	13	Yes
			8/9/17	B-SMA-1	B002	14	Yes
			8/9/17	P-SMA-3.05	P009	14	Yes
RG055.5	8/7/17	0.3	8/14/17	LA-SMA-3.1	L008	7	Yes
			8/14/17	LA-SMA-3.9	L009	7	Yes
			8/14/17	LA-SMA-4.1	L010	7	Yes
			8/14/17	LA-SMA-4.2	L011	7	Yes
			8/14/17	LA-SMA-5.01	L012	7	Yes
			8/14/17	LA-SMA-5.02	L012A	7	Yes
			8/17/17	ACID-SMA-1.05	P001	10	Yes
			8/17/17	ACID-SMA-2	P002	10	Yes
			8/17/17	ACID-SMA-2.01	P002A	10	Yes
RG055.5	8/23/17	0.3	8/28/17	LA-SMA-5.2	L013	4	Yes
			8/28/17	LA-SMA-5.35	L014	4	Yes
			8/28/17	ACID-SMA-2.01	P002A	4	Yes
			8/29/17	LA-SMA-3.1	L008	5	Yes
			8/29/17	LA-SMA-3.9	L009	5	Yes
			8/29/17	LA-SMA-4.1	L010	5	Yes
			8/29/17	LA-SMA-4.2	L011	5	Yes
			8/29/17	LA-SMA-5.01	L012	5	Yes
			8/29/17	LA-SMA-5.02	L012A	5	Yes
			8/30/17	ACID-SMA-2	P002	6	Yes
			8/30/17	ACID-SMA-2.1	P003	6	Yes
			8/31/17	B-SMA-1	B002	7	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			8/31/17	LA-SMA-2.1	L006	7	Yes
			8/31/17	LA-SMA-2.3	L007	7	Yes
			8/31/17	ACID-SMA-1.05	P001	7	Yes
			9/1/17	P-SMA-3.05	P009	8	Yes
RG055.5	9/28/17 10/4/17	0.45 0.35	10/10/17	B-SMA-1	B002	12	Yes
			10/10/17	LA-SMA-2.1	L006	12	Yes
			10/10/17	LA-SMA-2.3	L007	12	Yes
			10/10/17	LA-SMA-3.1	L008	12	Yes
			10/10/17	LA-SMA-3.9	L009	12	Yes
			10/10/17	LA-SMA-4.1	L010	12	Yes
			10/10/17	LA-SMA-4.2	L011	12	Yes
			10/10/17	LA-SMA-5.01	L012	12	Yes
			10/10/17	LA-SMA-5.02	L012A	12	Yes
			10/10/17	LA-SMA-5.2	L013	12	Yes
			10/10/17	LA-SMA-5.35	L014	12	Yes
			10/10/17	ACID-SMA-1.05	P001	12	Yes
			10/10/17	ACID-SMA-2	P002	12	Yes
			10/10/17	ACID-SMA-2.01	P002A	12	Yes
10/10/17	ACID-SMA-2.1	P003	12	Yes			
10/10/17	P-SMA-3.05	P009	12	Yes			
RG121.9	6/25/17	0.25	6/29/17	LA-SMA-0.9	L002	4	Yes
			6/29/17	LA-SMA-1	L003	4	Yes
			6/29/17	LA-SMA-1.1	L004	4	Yes
			6/29/17	LA-SMA-1.25	L005	4	Yes
			6/30/17	M-SMA-1.2	M002	5	Yes
			6/30/17	M-SMA-1.21	M002A	5	Yes
			6/30/17	M-SMA-1.22	M002B	5	Yes
			6/30/17	S-SMA-2.01	S003A	5	Yes
			6/30/17	S-SMA-2.8	S004	5	Yes
			6/30/17	S-SMA-3.51	S005	5	Yes
			6/30/17	S-SMA-3.52	S005A	5	Yes
			7/5/17	2M-SMA-1.9	E011	10	Yes
			7/5/17	2M-SMA-2	E012	10	Yes
			7/5/17	2M-SMA-2.2	E013	10	Yes
			7/5/17	LA-SMA-0.85	L001	10	Yes
			7/5/17	M-SMA-1	M001	10	Yes
7/6/17	S-SMA-2	S003	11	Yes			
7/6/17	S-SMA-3.53	S005B	11	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			7/6/17	S-SMA-3.6	S006	11	Yes
			7/7/17	2M-SMA-1	E001	12	Yes
			7/7/17	S-SMA-0.25	S001	12	Yes
			7/7/17	S-SMA-1.1	S002	12	Yes
RG121.9	7/26/17 7/29/17	0.99 0.33	7/31/17	M-SMA-1.2	M002	5	Yes
			7/31/17	M-SMA-1.21	M002A	5	Yes
			7/31/17	M-SMA-1.22	M002B	5	Yes
			8/2/17	S-SMA-2.8	S004	7	Yes
			8/2/17	S-SMA-3.51	S005	7	Yes
			8/2/17	S-SMA-3.52	S005A	7	Yes
			8/2/17	S-SMA-3.53	S005B	7	Yes
			8/4/17	2M-SMA-1	E001	9	Yes
			8/4/17	2M-SMA-1.9	E011	9	Yes
			8/4/17	2M-SMA-2	E012	9	Yes
			8/4/17	2M-SMA-2.2	E013	9	Yes
			8/4/17	S-SMA-0.25	S001	9	Yes
			8/4/17	S-SMA-2	S003	9	Yes
			8/4/17	S-SMA-2.01	S003A	9	Yes
			8/7/17	LA-SMA-0.85	L001	12	Yes
			8/7/17	LA-SMA-0.9	L002	12	Yes
			8/7/17	LA-SMA-1	L003	12	Yes
			8/7/17	LA-SMA-1.1	L004	12	Yes
			8/7/17	LA-SMA-1.25	L005	12	Yes
			8/7/17	S-SMA-3.6	S006	12	Yes
8/8/17	M-SMA-1	M001	13	Yes			
8/10/17	S-SMA-1.1	S002	15	Yes			
RG121.9	9/28/17 10/4/17	0.44 0.39	10/5/17	LA-SMA-0.9	L002	7	Yes
			10/5/17	LA-SMA-1	L003	7	Yes
			10/5/17	LA-SMA-1.1	L004	7	Yes
			10/5/17	LA-SMA-1.25	L005	7	Yes
			10/10/17	LA-SMA-0.85	L001	12	Yes
			10/10/17	S-SMA-1.1	S002	12	Yes
			10/11/17	2M-SMA-1	E001	13	Yes
			10/11/17	2M-SMA-1.9	E011	13	Yes
			10/11/17	2M-SMA-2	E012	13	Yes
			10/11/17	2M-SMA-2.2	E013	13	Yes
			10/11/17	M-SMA-1	M001	13	Yes
			10/11/17	M-SMA-1.2	M002	13	Yes

Table 6-2 (continued)

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			10/11/17	M-SMA-1.21	M002A	13	Yes
			10/11/17	M-SMA-1.22	M002B	13	Yes
			10/11/17	S-SMA-0.25	S001	13	Yes
			10/11/17	S-SMA-2	S003	13	Yes
			10/11/17	S-SMA-2.01	S003A	13	Yes
			10/11/17	S-SMA-2.8	S004	13	Yes
			10/11/17	S-SMA-3.51	S005	13	Yes
			10/11/17	S-SMA-3.52	S005A	13	Yes
			10/11/17	S-SMA-3.53	S005B	13	Yes
			10/11/17	S-SMA-3.6	S006	13	Yes
RG200.5	7/8/17	0.25	7/12/17	M-SMA-5	M007	4	Yes
			7/12/17	M-SMA-9.1	M011	4	Yes
			7/12/17	M-SMA-10	M012	4	Yes
			7/12/17	M-SMA-10.01	M012A	4	Yes
			7/12/17	M-SMA-10.3	M013	4	Yes
			7/13/17	M-SMA-6	M008	5	Yes
			7/13/17	M-SMA-7	M009	5	Yes
			7/13/17	M-SMA-7.9	M010	5	Yes
			7/13/17	M-SMA-11.1	M014	5	Yes
			7/13/17	M-SMA-12	M015	5	Yes
			7/18/17	T-SMA-2.5	T003	10	Yes
			7/18/17	T-SMA-2.85	T004	10	Yes
			7/20/17	CDB-SMA-0.15	C001	12	Yes
			7/20/17	Pratt-SMA-1.05	T001	12	Yes
			7/20/17	T-SMA-1	T002	12	Yes
			7/20/17	T-SMA-3	T005	12	Yes
			7/20/17	T-SMA-4	T006	12	Yes
			7/20/17	T-SMA-5	T007	12	Yes
			7/20/17	T-SMA-6.8	T008	12	Yes
			7/20/17	T-SMA-7	T009	12	Yes
7/20/17	T-SMA-7.1	T010	12	Yes			
7/21/17	M-SMA-3.5	M005	13	Yes			
7/21/17	M-SMA-4	M006	13	Yes			
RG200.5	7/26/17	1.08	8/7/17	M-SMA-9.1	M011	12	Yes
			8/7/17	T-SMA-2.5	T003	12	Yes
			8/7/17	T-SMA-2.85	T004	12	Yes
			8/7/17	T-SMA-4	T006	12	Yes
			8/7/17	T-SMA-5	T007	12	Yes
			8/8/17	T-SMA-3	T005	13	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG200.5	7/26/17 8/7/17	1.08 0.31	8/7/17	M-SMA-6	M008	12	Yes
			8/7/17	M-SMA-10	M012	12	Yes
			8/7/17	M-SMA-10.01	M012A	12	Yes
			8/7/17	M-SMA-11.1	M014	12	Yes
			8/7/17	M-SMA-12	M015	12	Yes
			8/8/17	CDB-SMA-0.15	C001	13	Yes
			8/8/17	M-SMA-3.5	M005	13	Yes
			8/8/17	M-SMA-4	M006	13	Yes
			8/8/17	M-SMA-10.3	M013	13	Yes
			8/8/17	Pratt-SMA-1.05	T001	13	Yes
			8/8/17	T-SMA-6.8	T008	13	Yes
			8/8/17	T-SMA-7	T009	13	Yes
			8/8/17	T-SMA-7.1	T010	13	Yes
			8/9/17	M-SMA-5	M007	14	Yes
			8/9/17	M-SMA-7	M009	14	Yes
8/9/17	M-SMA-7.9	M010	14	Yes			
8/9/17	T-SMA-1	T002	14	Yes			
RG200.5	8/7/17	0.31	8/14/17	M-SMA-9.1	M011	7	Yes
			8/17/17	T-SMA-2.5	T003	10	Yes
			8/17/17	T-SMA-2.85	T004	10	Yes
			8/17/17	T-SMA-3	T005	10	Yes
			8/17/17	T-SMA-4	T006	10	Yes
			8/17/17	T-SMA-5	T007	10	Yes
RG200.5	10/4/17	0.54	10/16/17	CDB-SMA-0.15	C001	12	Yes
			10/16/17	T-SMA-2.5	T003	12	Yes
			10/16/17	T-SMA-2.85	T004	12	Yes
			10/16/17	T-SMA-3	T005	12	Yes
			10/16/17	T-SMA-4	T006	12	Yes
			10/16/17	T-SMA-5	T007	12	Yes
			10/16/17	T-SMA-6.8	T008	12	Yes
			10/16/17	T-SMA-7	T009	12	Yes
			10/16/17	T-SMA-7.1	T010	12	Yes
			10/18/17	M-SMA-3.5	M005	14	Yes
			10/18/17	M-SMA-4	M006	14	Yes
			10/18/17	M-SMA-5	M007	14	Yes
			10/18/17	M-SMA-6	M008	14	Yes
			10/18/17	M-SMA-7	M009	14	Yes
10/18/17	M-SMA-7.9	M010	14	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			10/18/17	M-SMA-9.1	M011	14	Yes
			10/18/17	M-SMA-10	M012	14	Yes
			10/18/17	M-SMA-10.01	M012A	14	Yes
			10/18/17	M-SMA-10.3	M013	14	Yes
			10/18/17	M-SMA-11.1	M014	14	Yes
			10/18/17	M-SMA-12	M015	14	Yes
			10/18/17	Pratt-SMA-1.05	T001	14	Yes
RG203	7/26/17 7/27/17 7/29/17	1.07 0.81 0.25	7/31/17	S-SMA-4.5	S012	5	Yes
			8/4/17	S-SMA-3.7	S007	9	Yes
			8/4/17	S-SMA-3.71	S008	9	Yes
			8/4/17	S-SMA-3.72	S009	9	Yes
RG203	7/26/17 7/27/17 7/29/17 8/7/17	1.07 0.81 0.25 0.41	8/8/17	M-SMA-12.5	M016	13	Yes
			8/8/17	M-SMA-12.6	M017	13	Yes
			8/8/17	M-SMA-12.7	M018	13	Yes
			8/8/17	M-SMA-12.8	M019	13	Yes
			8/8/17	M-SMA-12.9	M020	13	Yes
			8/9/17	M-SMA-12.92	M021	14	Yes
			8/9/17	M-SMA-13	M022	14	Yes
RG203	8/7/17	0.41	8/15/17	S-SMA-3.7	S007	8	Yes
			8/15/17	S-SMA-3.71	S008	8	Yes
			8/15/17	S-SMA-3.72	S009	8	Yes
			8/16/17	S-SMA-4.5	S012	9	Yes
RG203	10/4/17 10/5/17	0.68 0.3	10/11/17	S-SMA-3.7	S007	7	Yes
			10/11/17	S-SMA-3.71	S008	7	Yes
			10/11/17	S-SMA-3.72	S009	7	Yes
			10/18/17	M-SMA-12.5	M016	14	Yes
			10/18/17	M-SMA-12.6	M017	14	Yes
			10/18/17	M-SMA-12.7	M018	14	Yes
			10/18/17	M-SMA-12.8	M019	14	Yes
			10/18/17	M-SMA-12.9	M020	14	Yes
			10/18/17	M-SMA-12.92	M021	14	Yes
			10/18/17	M-SMA-13	M022	14	Yes
10/18/17	S-SMA-3.95	S010	14	Yes			
10/18/17	S-SMA-4.5	S012	14	Yes			



**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG240	6/25/17	0.38	6/27/17	PJ-SMA-1.05	J001	2	Yes
			7/6/17	STRM-SMA-1.05	J028	11	Yes
			7/6/17	STRM-SMA-1.5	J029	11	Yes
			7/6/17	STRM-SMA-4.2	J030	11	Yes
			7/6/17	STRM-SMA-5.05	J031	11	Yes
RG240	7/26/17 7/27/17 7/29/17	0.31 0.26 0.29	7/31/17	STRM-SMA-4.2	J030	5	Yes
			8/2/17	PJ-SMA-1.05	J001	7	Yes
			8/2/17	STRM-SMA-1.05	J028	7	Yes
			8/2/17	STRM-SMA-1.5	J029	7	Yes
			8/4/17	STRM-SMA-5.05	J031	9	Yes
RG240	8/23/17	0.26	8/25/17	PJ-SMA-1.05	J001	1	Yes
			8/25/17	STRM-SMA-4.2	J030	1	Yes
			8/28/17	STRM-SMA-1.05	J028	4	Yes
			8/28/17	STRM-SMA-1.5	J029	4	Yes
			8/28/17	STRM-SMA-5.05	J031	4	Yes
RG240	9/1/17	0.49	9/8/17	PJ-SMA-1.05	J001	7	Yes
			9/12/17	STRM-SMA-4.2	J030	11	Yes
			9/12/17	STRM-SMA-5.05	J031	11	Yes
			9/13/17	STRM-SMA-1.05	J028	12	Yes
			9/13/17	STRM-SMA-1.5	J029	12	Yes
RG240	9/28/17	0.26	10/11/17	PJ-SMA-1.05	J001	13	Yes
			10/11/17	STRM-SMA-1.05	J028	13	Yes
			10/11/17	STRM-SMA-1.5	J029	13	Yes
			10/11/17	STRM-SMA-4.2	J030	13	Yes
			10/11/17	STRM-SMA-5.05	J031	13	Yes
RG245.5	7/26/17 7/27/17 7/29/17	0.62 0.27 0.3	8/2/17	3M-SMA-2.6	H005	7	Yes
			8/2/17	3M-SMA-4	H006	7	Yes
			8/2/17	PJ-SMA-13	J015	7	Yes
			8/2/17	PJ-SMA-13.7	J016	7	Yes
			8/2/17	PJ-SMA-14	J017	7	Yes
			8/2/17	PJ-SMA-14.2	J018	7	Yes
			8/2/17	PJ-SMA-14.3	J019	7	Yes
			8/2/17	PJ-SMA-14.4	J020	7	Yes
			8/2/17	PJ-SMA-14.6	J021	7	Yes
8/2/17	PJ-SMA-14.8	J022	7	Yes			
RG245.5	7/26/17 7/27/17	0.62 0.27	8/8/17	CDB-SMA-0.25	C002	13	Yes
			8/8/17	CDB-SMA-0.55	C003	13	Yes
			8/8/17	CDB-SMA-1	C004	13	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
	7/29/17 8/7/17	0.3 0.49	8/8/17	CDB-SMA-1.15	C005	13	Yes
			8/8/17	CDB-SMA-1.35	C006	13	Yes
			8/8/17	CDB-SMA-1.54	C007	13	Yes
			8/8/17	CDB-SMA-1.55	C008	13	Yes
			8/8/17	CDB-SMA-1.65	C009	13	Yes
			8/9/17	3M-SMA-0.6	H004	14	Yes
RG245.5	8/7/17 8/14/17	0.49 0.37	8/16/17	PJ-SMA-13	J015	9	Yes
			8/16/17	PJ-SMA-13.7	J016	9	Yes
			8/16/17	PJ-SMA-14.2	J018	9	Yes
			8/16/17	PJ-SMA-14.3	J019	9	Yes
			8/16/17	PJ-SMA-14.4	J020	9	Yes
			8/16/17	PJ-SMA-14.6	J021	9	Yes
			8/16/17	PJ-SMA-14.8	J022	9	Yes
			8/17/17	3M-SMA-2.6	H005	10	Yes
			8/17/17	3M-SMA-4	H006	10	Yes
8/17/17	PJ-SMA-14	J017	10	Yes			
RG245.5	8/14/17	0.37	8/22/17	CDB-SMA-1	C004	8	Yes
			8/22/17	CDB-SMA-1.55	C008	8	Yes
			8/22/17	CDB-SMA-1.65	C009	8	Yes
			8/22/17	3M-SMA-0.6	H004	8	Yes
			8/24/17	CDB-SMA-0.25	C002	10	Yes
			8/24/17	CDB-SMA-0.55	C003	10	Yes
			8/24/17	CDB-SMA-1.15	C005	10	Yes
			8/24/17	CDB-SMA-1.35	C006	10	Yes
			8/24/17	CDB-SMA-1.54	C007	10	Yes
RG245.5	9/12/17	0.3	9/18/17	CDB-SMA-0.25	C002	6	Yes
			9/18/17	CDB-SMA-0.55	C003	6	Yes
			9/18/17	CDB-SMA-1	C004	6	Yes
			9/18/17	CDB-SMA-1.15	C005	6	Yes
			9/18/17	CDB-SMA-1.35	C006	6	Yes
			9/18/17	CDB-SMA-1.54	C007	6	Yes
			9/18/17	CDB-SMA-1.55	C008	6	Yes
			9/18/17	CDB-SMA-1.65	C009	6	Yes
			9/19/17	PJ-SMA-13.7	J016	7	Yes
			9/19/17	PJ-SMA-14.2	J018	7	Yes
			9/19/17	PJ-SMA-14.3	J019	7	Yes
			9/19/17	PJ-SMA-14.4	J020	7	Yes
9/19/17	PJ-SMA-14.6	J021	7	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			9/19/17	PJ-SMA-14.8	J022	7	Yes
			9/20/17	3M-SMA-2.6	H005	8	Yes
			9/20/17	3M-SMA-4	H006	8	Yes
			9/20/17	PJ-SMA-13	J015	8	Yes
			9/20/17	PJ-SMA-14	J017	8	Yes
			9/21/17	3M-SMA-0.6	H004	9	Yes
RG245.5	10/4/17 10/5/17	0.54 0.29	10/12/17	CDB-SMA-1	C004	8	Yes
			10/12/17	CDB-SMA-1.15	C005	8	Yes
			10/12/17	CDB-SMA-1.55	C008	8	Yes
			10/12/17	CDB-SMA-1.65	C009	8	Yes
			10/13/17	PJ-SMA-13	J015	9	Yes
			10/13/17	PJ-SMA-13.7	J016	9	Yes
			10/13/17	PJ-SMA-14.4	J020	9	Yes
			10/13/17	PJ-SMA-14.6	J021	9	Yes
			10/16/17	3M-SMA-0.6	H004	12	Yes
			10/17/17	CDB-SMA-0.25	C002	13	Yes
			10/17/17	CDB-SMA-0.55	C003	13	Yes
			10/17/17	CDB-SMA-1.35	C006	13	Yes
			10/17/17	CDB-SMA-1.54	C007	13	Yes
			10/18/17	3M-SMA-2.6	H005	14	Yes
			10/18/17	3M-SMA-4	H006	14	Yes
			10/18/17	PJ-SMA-14	J017	14	Yes
			10/18/17	PJ-SMA-14.2	J018	14	Yes
10/18/17	PJ-SMA-14.3	J019	14	Yes			
10/18/17	PJ-SMA-14.8	J022	14	Yes			
RG253	6/25/17	0.56	6/27/17	CDV-SMA-1.7	V005	2	Yes
			6/29/17	CDV-SMA-1.2	V001	4	Yes
			6/29/17	CDV-SMA-1.3	V002	4	Yes
			7/3/17	CDV-SMA-1.4	V003	8	Yes
			7/3/17	CDV-SMA-1.45	V004	8	Yes
			7/5/17	W-SMA-1	W001	10	Yes
			7/5/17	W-SMA-1.5	W002	10	Yes
			7/5/17	W-SMA-2.05	W003	10	Yes
7/6/17	PJ-SMA-2	J002	11	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG253	7/12/17	0.32	7/18/17	PJ-SMA-2	J002	6	Yes
			7/19/17	W-SMA-1	W001	7	Yes
			7/19/17	W-SMA-1.5	W002	7	Yes
			7/19/17	W-SMA-2.05	W003	7	Yes
			7/21/17	CDV-SMA-1.7	V005	9	Yes
			7/25/17	CDV-SMA-1.2	V001	13	Yes
			7/25/17	CDV-SMA-1.3	V002	13	Yes
			7/25/17	CDV-SMA-1.4	V003	13	Yes
			7/25/17	CDV-SMA-1.45	V004	13	Yes
RG253	7/29/17	0.37	8/1/17	CDV-SMA-1.7	V005	3	Yes
			8/3/17	PJ-SMA-2	J002	5	Yes
			8/3/17	W-SMA-2.05	W003	5	Yes
			8/7/17	W-SMA-1	W001	9	Yes
			8/7/17	W-SMA-1.5	W002	9	Yes
			8/8/17	CDV-SMA-1.4	V003	10	Yes
			8/8/17	CDV-SMA-1.45	V004	10	Yes
			8/9/17	CDV-SMA-1.2	V001	11	Yes
			8/9/17	CDV-SMA-1.3	V002	11	Yes
RG253	8/23/17	0.34	8/25/17	PJ-SMA-2	J002	1	Yes
			8/25/17	CDV-SMA-1.7	V005	1	Yes
			8/29/17	CDV-SMA-1.2	V001	5	Yes
			8/29/17	CDV-SMA-1.3	V002	5	Yes
			8/29/17	CDV-SMA-1.4	V003	5	Yes
			8/29/17	CDV-SMA-1.45	V004	5	Yes
			8/29/17	W-SMA-1	W001	5	Yes
			8/29/17	W-SMA-1.5	W002	5	Yes
			8/29/17	W-SMA-2.05	W003	5	Yes
RG253	9/28/17 10/5/17	0.4 0.3	10/10/17	CDV-SMA-1.2	V001	12	Yes
			10/10/17	CDV-SMA-1.3	V002	12	Yes
			10/10/17	CDV-SMA-1.4	V003	12	Yes
			10/10/17	CDV-SMA-1.45	V004	12	Yes
			10/10/17	W-SMA-2.05	W003	12	Yes
			10/11/17	PJ-SMA-2	J002	13	Yes
			10/12/17	CDV-SMA-1.7	V005	14	Yes
			10/12/17	W-SMA-1	W001	14	Yes
			10/12/17	W-SMA-1.5	W002	14	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG257	6/6/17	0.35	6/13/17	PJ-SMA-3.05	J003	7	Yes
			6/13/17	CDV-SMA-7	V013	7	Yes
			6/13/17	W-SMA-3.5	W004	7	Yes
			6/13/17	W-SMA-4.1	W005	7	Yes
			6/13/17	W-SMA-6	W007	7	Yes
			6/13/17	W-SMA-7	W008	7	Yes
			6/13/17	W-SMA-7.8	W009	7	Yes
			6/13/17	W-SMA-7.9	W010	7	Yes
			6/13/17	W-SMA-8	W011	7	Yes
			6/13/17	W-SMA-8.7	W012	7	Yes
			6/13/17	W-SMA-8.71	W012A	7	Yes
			6/13/17	W-SMA-9.05	W013	7	Yes
			6/14/17	CDV-SMA-3	V010	8	Yes
			6/14/17	CDV-SMA-4	V011	8	Yes
			6/14/17	CDV-SMA-6.01	V012	8	Yes
			6/14/17	CDV-SMA-6.02	V012A	8	Yes
			6/14/17	W-SMA-5	W006	8	Yes
			6/15/17	PJ-SMA-4.05	J004	9	Yes
			6/15/17	W-SMA-9.5	W014	9	Yes
			6/15/17	W-SMA-9.7	W015	9	Yes
			6/15/17	W-SMA-9.8	W016	9	Yes
			6/15/17	W-SMA-9.9	W017	9	Yes
			6/15/17	W-SMA-10	W018	9	Yes
			6/19/17	CDV-SMA-2	V006	13	Yes
			6/19/17	CDV-SMA-2.41	V008	13	Yes
			6/19/17	CDV-SMA-2.42	V008A	13	Yes
			6/19/17	CDV-SMA-2.5	V009	13	Yes
			6/19/17	CDV-SMA-2.51	V009A	13	Yes
6/20/17	CDV-SMA-2.3	V007	14	Yes			
RG257	6/25/17	0.63	6/27/17	CDV-SMA-2	V006	2	Yes
			6/27/17	CDV-SMA-3	V010	2	Yes
			6/27/17	CDV-SMA-4	V011	2	Yes
			6/27/17	CDV-SMA-6.01	V012	2	Yes
			6/27/17	CDV-SMA-6.02	V012A	2	Yes
			6/27/17	CDV-SMA-7	V013	2	Yes
			6/29/17	CDV-SMA-2.41	V008	4	Yes
			6/29/17	CDV-SMA-2.42	V008A	4	Yes
7/3/17	CDV-SMA-2.3	V007	8	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			7/3/17	CDV-SMA-2.5	V009	8	Yes
			7/3/17	CDV-SMA-2.51	V009A	8	Yes
			7/3/17	W-SMA-6	W007	8	Yes
			7/3/17	W-SMA-7	W008	8	Yes
			7/3/17	W-SMA-7.8	W009	8	Yes
			7/3/17	W-SMA-7.9	W010	8	Yes
			7/3/17	W-SMA-8	W011	8	Yes
			7/3/17	W-SMA-8.7	W012	8	Yes
			7/3/17	W-SMA-8.71	W012A	8	Yes
			7/3/17	W-SMA-9.05	W013	8	Yes
			7/5/17	W-SMA-3.5	W004	10	Yes
			7/5/17	W-SMA-4.1	W005	10	Yes
			7/5/17	W-SMA-5	W006	10	Yes
			7/5/17	W-SMA-9.5	W014	10	Yes
			7/5/17	W-SMA-9.7	W015	10	Yes
			7/5/17	W-SMA-9.8	W016	10	Yes
			7/5/17	W-SMA-9.9	W017	10	Yes
			7/5/17	W-SMA-10	W018	10	Yes
			7/6/17	PJ-SMA-3.05	J003	11	Yes
7/7/17	PJ-SMA-4.05	J004	12	Yes			
RG257	7/12/17	0.31	7/17/17	CDV-SMA-7	V013	5	Yes
			7/18/17	PJ-SMA-3.05	J003	6	Yes
			7/18/17	PJ-SMA-4.05	J004	6	Yes
			7/18/17	W-SMA-9.5	W014	6	Yes
			7/18/17	W-SMA-9.7	W015	6	Yes
			7/18/17	W-SMA-9.8	W016	6	Yes
			7/18/17	W-SMA-9.9	W017	6	Yes
			7/18/17	W-SMA-10	W018	6	Yes
RG257	7/12/17 7/18/17	0.31 0.31	7/19/17	W-SMA-3.5	W004	7	Yes
			7/19/17	W-SMA-6	W007	7	Yes
			7/19/17	W-SMA-8.7	W012	7	Yes
			7/19/17	W-SMA-8.71	W012A	7	Yes
			7/19/17	W-SMA-9.05	W013	7	Yes
			7/21/17	CDV-SMA-2	V006	9	Yes
			7/21/17	CDV-SMA-2.41	V008	9	Yes
			7/21/17	CDV-SMA-2.42	V008A	9	Yes
			7/21/17	CDV-SMA-2.51	V009A	9	Yes
7/21/17	W-SMA-4.1	W005	9	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			7/24/17	CDV-SMA-2.3	V007	12	Yes
			7/24/17	CDV-SMA-2.5	V009	12	Yes
			7/24/17	W-SMA-5	W006	12	Yes
			7/24/17	W-SMA-7	W008	12	Yes
			7/24/17	W-SMA-7.8	W009	12	Yes
			7/24/17	W-SMA-7.9	W010	12	Yes
			7/24/17	W-SMA-8	W011	12	Yes
			7/25/17	CDV-SMA-6.01	V012	13	Yes
			7/25/17	CDV-SMA-6.02	V012A	13	Yes
			7/26/17	CDV-SMA-3	V010	14	Yes
			7/26/17	CDV-SMA-4	V011	14	Yes
RG257	7/18/17	0.31	7/24/17	PJ-SMA-3.05	J003	6	Yes
			7/21/17	PJ-SMA-4.05	J004	3	Yes
			7/25/17	CDV-SMA-7	V013	7	Yes
			7/26/17	W-SMA-9.5	W014	8	Yes
			7/26/17	W-SMA-9.7	W015	8	Yes
			7/26/17	W-SMA-9.8	W016	8	Yes
			7/26/17	W-SMA-9.9	W017	8	Yes
			7/26/17	W-SMA-10	W018	8	Yes
RG257	7/29/17	0.31	8/1/17	CDV-SMA-2	V006	3	Yes
			8/3/17	PJ-SMA-3.05	J003	5	Yes
			8/3/17	CDV-SMA-3	V010	5	Yes
			8/3/17	CDV-SMA-4	V011	5	Yes
			8/3/17	CDV-SMA-6.01	V012	5	Yes
			8/3/17	CDV-SMA-6.02	V012A	5	Yes
			8/3/17	W-SMA-3.5	W004	5	Yes
			8/3/17	W-SMA-4.1	W005	5	Yes
			8/7/17	CDV-SMA-2.41	V008	9	Yes
			8/7/17	CDV-SMA-2.42	V008A	9	Yes
			8/7/17	W-SMA-7.8	W009	9	Yes
			8/7/17	W-SMA-7.9	W010	9	Yes
			8/7/17	W-SMA-8	W011	9	Yes
			8/7/17	W-SMA-8.7	W012	9	Yes
			8/7/17	W-SMA-8.71	W012A	9	Yes
			8/7/17	W-SMA-9.05	W013	9	Yes
			8/8/17	CDV-SMA-2.5	V009	10	Yes
			8/8/17	CDV-SMA-2.51	V009A	10	Yes
8/8/17	W-SMA-5	W006	10	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			8/8/17	W-SMA-6	W007	10	Yes
			8/8/17	W-SMA-9.5	W014	10	Yes
			8/8/17	W-SMA-9.7	W015	10	Yes
			8/8/17	W-SMA-9.8	W016	10	Yes
			8/8/17	W-SMA-9.9	W017	10	Yes
			8/8/17	W-SMA-10	W018	10	Yes
			8/9/17	CDV-SMA-2.3	V007	11	Yes
			8/9/17	W-SMA-7	W008	11	Yes
			8/10/17	PJ-SMA-4.05	J004	12	Yes
			8/10/17	CDV-SMA-7	V013	12	Yes
RG257	10/4/17 10/5/17	0.64 0.31	10/11/17	W-SMA-7	W008	7	Yes
			10/11/17	W-SMA-9.05	W013	7	Yes
			10/11/17	W-SMA-9.5	W014	7	Yes
			10/11/17	W-SMA-9.7	W015	7	Yes
			10/11/17	W-SMA-9.8	W016	7	Yes
			10/11/17	W-SMA-9.9	W017	7	Yes
			10/12/17	CDV-SMA-2	V006	8	Yes
			10/16/17	PJ-SMA-3.05	J003	12	Yes
			10/16/17	PJ-SMA-4.05	J004	12	Yes
			10/16/17	CDV-SMA-3	V010	12	Yes
			10/16/17	CDV-SMA-4	V011	12	Yes
			10/16/17	CDV-SMA-6.01	V012	12	Yes
			10/16/17	CDV-SMA-6.02	V012A	12	Yes
			10/16/17	CDV-SMA-7	V013	12	Yes
			10/16/17	W-SMA-3.5	W004	12	Yes
			10/16/17	W-SMA-4.1	W005	12	Yes
			10/16/17	W-SMA-6	W007	12	Yes
			10/16/17	W-SMA-7.8	W009	12	Yes
			10/16/17	W-SMA-7.9	W010	12	Yes
			10/16/17	W-SMA-8	W011	12	Yes
			10/17/17	CDV-SMA-2.3	V007	13	Yes
			10/17/17	CDV-SMA-2.41	V008	13	Yes
			10/17/17	CDV-SMA-2.42	V008A	13	Yes
			10/17/17	CDV-SMA-2.5	V009	13	Yes
			10/17/17	CDV-SMA-2.51	V009A	13	Yes
			10/17/17	W-SMA-5	W006	13	Yes
			10/17/17	W-SMA-8.7	W012	13	Yes
10/17/17	W-SMA-8.71	W012A	13	Yes			
10/18/17	W-SMA-10	W018	14	Yes			



**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
RG262.4	6/6/17	0.32	6/13/17	CDV-SMA-8.5	V015	7	Yes
			6/14/17	PT-SMA-0.5	I001	8	Yes
			6/14/17	PT-SMA-1	I002	8	Yes
			6/14/17	PT-SMA-2	I004	8	Yes
			6/14/17	PT-SMA-2.01	I004A	8	Yes
			6/14/17	W-SMA-11.7	W019	8	Yes
			6/14/17	W-SMA-12.05	W020	8	Yes
			6/14/17	W-SMA-15.1	W022	8	Yes
			6/19/17	3M-SMA-0.4	H002	13	Yes
			6/19/17	3M-SMA-0.5	H003	13	Yes
			6/19/17	PT-SMA-1.7	I003	13	Yes
			6/19/17	CDV-SMA-8	V014	13	Yes
			6/19/17	CDV-SMA-9.05	V016	13	Yes
6/19/17	W-SMA-14.1	W021	13	Yes			
RG262.4	6/25/17	0.37	6/27/17	CDV-SMA-8.5	V015	2	Yes
			6/28/17	CDV-SMA-9.05	V016	3	Yes
			6/28/17	W-SMA-12.05	W020	3	Yes
			6/28/17	W-SMA-15.1	W022	3	Yes
			6/29/17	PT-SMA-1.7	I003	4	Yes
			6/29/17	W-SMA-14.1	W021	4	Yes
			7/5/17	3M-SMA-0.4	H002	10	Yes
			7/5/17	3M-SMA-0.5	H003	10	Yes
			7/5/17	PT-SMA-0.5	I001	10	Yes
			7/5/17	PT-SMA-1	I002	10	Yes
			7/5/17	PT-SMA-2	I004	10	Yes
			7/5/17	PT-SMA-2.01	I004A	10	Yes
			7/5/17	W-SMA-11.7	W019	10	Yes
7/7/17	CDV-SMA-8	V014	12	Yes			
RG262.4	7/29/17	0.25	8/2/17	PT-SMA-1.7	I003	4	Yes
			8/2/17	CDV-SMA-9.05	V016	4	Yes
			8/2/17	W-SMA-14.1	W021	4	Yes
			8/3/17	CDV-SMA-8	V014	5	Yes
			8/3/17	CDV-SMA-8.5	V015	5	Yes
			8/4/17	W-SMA-12.05	W020	6	Yes
			8/4/17	W-SMA-15.1	W022	6	Yes
			8/9/17	3M-SMA-0.5	H003	11	Yes
			8/9/17	PT-SMA-2	I004	11	Yes
8/9/17	PT-SMA-2.01	I004A	11	Yes			

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			8/9/17	W-SMA-11.7	W019	11	Yes
			8/11/17	3M-SMA-0.4	H002	13	Yes
			8/11/17	PT-SMA-0.5	I001	13	Yes
			8/11/17	PT-SMA-1	I002	13	Yes
RG265	6/25/17	0.28	6/30/17	A-SMA-2.5	A003	5	Yes
			6/30/17	A-SMA-2.7	A004	5	Yes
			6/30/17	A-SMA-2.8	A005	5	Yes
			7/6/17	A-SMA-3	A006	11	Yes
RG265	9/27/17	0.27	10/4/17	A-SMA-2.5	A003	7	Yes
			10/4/17	A-SMA-2.7	A004	7	Yes
			10/4/17	A-SMA-2.8	A005	7	Yes
			10/4/17	A-SMA-3	A006	7	Yes
RG265	10/5/17	0.26	10/19/17	A-SMA-2.5	A003	14	Yes
			10/19/17	A-SMA-2.7	A004	14	Yes
			10/19/17	A-SMA-2.8	A005	14	Yes
			10/19/17	A-SMA-3	A006	14	Yes
RG267.4	7/29/17	0.4	8/9/17	A-SMA-1.1	A001	11	Yes
			8/9/17	A-SMA-2	A002	11	Yes
			8/10/17	F-SMA-2	F001	12	Yes
			8/10/17	PT-SMA-3	I005	12	Yes
			8/11/17	PT-SMA-4.2	I007	13	Yes
RG267.4	9/12/17	0.3	9/20/17	F-SMA-2	F001	8	Yes
			9/20/17	PT-SMA-3	I005	8	Yes
			9/20/17	PT-SMA-4.2	I007	8	Yes
			9/22/17	A-SMA-1.1	A001	10	Yes
			9/22/17	A-SMA-2	A002	10	Yes
RG267.4	10/5/17	0.36	10/18/17	F-SMA-2	F001	13	Yes
			10/18/17	PT-SMA-3	I005	13	Yes
			10/19/17	A-SMA-1.1	A001	14	Yes
			10/19/17	A-SMA-2	A002	14	Yes
			10/19/17	PT-SMA-4.2	I007	14	Yes
RG340	6/25/17	0.66	7/5/17	A-SMA-3.5	A007	10	Yes
			7/6/17	A-SMA-4	A008	11	Yes
			7/6/17	A-SMA-6	A009	11	Yes
			7/6/17	CHQ-SMA-0.5	Q001	11	Yes
			7/6/17	CHQ-SMA-1.01	Q002	11	Yes
			7/6/17	CHQ-SMA-1.02	Q002A	11	Yes
			7/6/17	CHQ-SMA-1.03	Q002B	11	Yes

**Table 6-2 (continued)**

Rain Gage	Storm Date	30-Minute Maximum Intensity	Inspection Date	SMA	Permitted Feature	Days to inspection	Inspection within 15 days?
			7/6/17	CHQ-SMA-2	Q003	11	Yes
			7/6/17	CHQ-SMA-3.05	Q004	11	Yes
			7/6/17	CHQ-SMA-4	Q005	11	Yes
			7/7/17	CHQ-SMA-4.1	Q006	12	Yes
			7/7/17	CHQ-SMA-4.5	Q007	12	Yes
			7/7/17	CHQ-SMA-5.05	Q008	12	Yes
			7/7/17	CHQ-SMA-6	Q009	12	Yes
			7/7/17	CHQ-SMA-7.1	Q010	12	Yes
RG340	8/28/17	0.25	9/6/17	CHQ-SMA-1.01	Q002	9	Yes
			9/6/17	CHQ-SMA-1.02	Q002A	9	Yes
			9/6/17	CHQ-SMA-1.03	Q002B	9	Yes
			9/6/17	CHQ-SMA-3.05	Q004	9	Yes
			9/6/17	CHQ-SMA-4	Q005	9	Yes
			9/7/17	A-SMA-3.5	A007	10	Yes
			9/7/17	A-SMA-4	A008	10	Yes
			9/7/17	A-SMA-6	A009	10	Yes
			9/7/17	CHQ-SMA-4.1	Q006	10	Yes
			9/7/17	CHQ-SMA-4.5	Q007	10	Yes
			9/7/17	CHQ-SMA-6	Q009	10	Yes
			9/7/17	CHQ-SMA-7.1	Q010	10	Yes
			9/11/17	CHQ-SMA-0.5	Q001	14	Yes
			9/11/17	CHQ-SMA-2	Q003	14	Yes
9/11/17	CHQ-SMA-5.05	Q008	14	Yes			

**Table 6-3**  
**Summary of Annual Erosion Evaluation Inspections**

Site Monitoring Area	Permitted Feature	Inspection Date
2M-SMA-1	E001	7/7/2017
2M-SMA-1.42	E002	6/13/2017
2M-SMA-1.43	E003	6/15/2017
2M-SMA-1.44	E004	6/13/2017
2M-SMA-1.45	E005	6/13/2017
2M-SMA-1.5	E006	6/15/2017
2M-SMA-1.65	E007	6/12/2017
2M-SMA-1.67	E008	6/13/2017
2M-SMA-1.7	E009	6/13/2017
2M-SMA-1.8	E010	6/13/2017
2M-SMA-1.9	E011	7/5/2017
2M-SMA-2	E012	7/5/2017
2M-SMA-2.2	E013	7/5/2017
2M-SMA-2.5	E015	6/12/2017
2M-SMA-3	E014	6/15/2017
3M-SMA-0.2	H001	6/13/2017
3M-SMA-0.4	H002	6/19/2017
3M-SMA-0.5	H003	6/19/2017
3M-SMA-0.6	H004	8/9/2017
3M-SMA-2.6	H005	4/5/2017
3M-SMA-4	H006	8/2/2017
ACID-SMA-1.05	P001	7/13/2017
ACID-SMA-2	P002	7/12/2017
ACID-SMA-2.01	P002A	7/12/2017
ACID-SMA-2.1	P003	7/12/2017
A-SMA-1.1	A001	4/4/2017
A-SMA-2	A002	4/4/2017
A-SMA-2.5	A003	4/4/2017
A-SMA-2.7	A004	4/4/2017
A-SMA-2.8	A005	4/4/2017
A-SMA-3	A006	4/7/2017
A-SMA-3.5	A007	4/4/2017
A-SMA-4	A008	4/3/2017
A-SMA-6	A009	4/3/2017
B-SMA-0.5	B001	7/21/2017
B-SMA-1	B002	7/21/2017
CDB-SMA-0.15	C001	7/20/2017
CDB-SMA-0.25	C002	8/8/2017

**Table 6-3 (continued)**

Site Monitoring Area	Permitted Feature	Inspection Date
CDB-SMA-0.55	C003	8/8/2017
CDB-SMA-1	C004	8/8/2017
CDB-SMA-1.15	C005	8/8/2017
CDB-SMA-1.35	C006	8/8/2017
CDB-SMA-1.54	C007	8/8/2017
CDB-SMA-1.55	C008	8/8/2017
CDB-SMA-1.65	C009	8/8/2017
CDB-SMA-4	C010	4/5/2017
CDV-SMA-1.2	V001	6/29/2017
CDV-SMA-1.3	V002	6/29/2017
CDV-SMA-1.4	V003	7/3/2017
CDV-SMA-1.45	V004	7/3/2017
CDV-SMA-1.7	V005	6/27/2017
CDV-SMA-2	V006	6/19/2017
CDV-SMA-2.3	V007	6/20/2017
CDV-SMA-2.41	V008	6/19/2017
CDV-SMA-2.42	V008A	6/19/2017
CDV-SMA-2.5	V009	6/19/2017
CDV-SMA-2.51	V009A	6/19/2017
CDV-SMA-3	V010	6/14/2017
CDV-SMA-4	V011	6/14/2017
CDV-SMA-6.01	V012	6/14/2017
CDV-SMA-6.02	V012A	6/14/2017
CDV-SMA-7	V013	6/13/2017
CDV-SMA-8	V014	6/19/2017
CDV-SMA-8.5	V015	6/13/2017
CDV-SMA-9.05	V016	4/3/2017
CHQ-SMA-0.5	Q001	4/4/2017
CHQ-SMA-1.01	Q002	4/3/2017
CHQ-SMA-1.02	Q002A	4/3/2017
CHQ-SMA-1.03	Q002B	4/3/2017
CHQ-SMA-2	Q003	4/4/2017
CHQ-SMA-3.05	Q004	4/3/2017
CHQ-SMA-4	Q005	4/3/2017
CHQ-SMA-4.1	Q006	4/3/2017
CHQ-SMA-4.5	Q007	4/3/2017
CHQ-SMA-5.05	Q008	4/3/2017
CHQ-SMA-6	Q009	4/3/2017
CHQ-SMA-7.1	Q010	4/3/2017
DP-SMA-0.3	D001	6/14/2017
DP-SMA-0.4	D002	6/12/2017

Table 6-3 (continued)

Site Monitoring Area	Permitted Feature	Inspection Date
DP-SMA-0.6	D003	6/13/2017
DP-SMA-1	D004	6/13/2017
DP-SMA-2	D005	6/13/2017
DP-SMA-2.35	D006	6/13/2017
DP-SMA-3	D007	6/13/2017
DP-SMA-4	D008	7/17/2017
F-SMA-2	F001	4/5/2017
LA-SMA-0.85	L001	7/5/2017
LA-SMA-0.9	L002	6/29/2017
LA-SMA-1	L003	6/29/2017
LA-SMA-1.1	L004	6/29/2017
LA-SMA-1.25	L005	6/29/2017
LA-SMA-10.11	L030	7/19/2017
LA-SMA-10.12	L030A	7/19/2017
LA-SMA-2.1	L006	7/21/2017
LA-SMA-2.3	L007	7/21/2017
LA-SMA-3.1	L008	7/18/2017
LA-SMA-3.9	L009	7/18/2017
LA-SMA-4.1	L010	7/18/2017
LA-SMA-4.2	L011	7/18/2017
LA-SMA-5.01	L012	7/18/2017
LA-SMA-5.02	L012A	7/19/2017
LA-SMA-5.2	L013	7/19/2017
LA-SMA-5.31	L015	6/14/2017
LA-SMA-5.33	L016	6/14/2017
LA-SMA-5.35	L014	7/19/2017
LA-SMA-5.361	L017	6/9/2017
LA-SMA-5.362	L017A	6/9/2017
LA-SMA-5.51	L018	6/14/2017
LA-SMA-5.52	L018A	6/14/2017
LA-SMA-5.53	L018B	6/14/2017
LA-SMA-5.54	L018C	6/14/2017
LA-SMA-5.91	L019	6/20/2017
LA-SMA-5.92	L019A	6/14/2017
LA-SMA-6.25	L020	6/14/2017
LA-SMA-6.27	L021	6/14/2017
LA-SMA-6.3	L022	6/14/2017
LA-SMA-6.31	L022A	6/14/2017
LA-SMA-6.32	L023	6/14/2017
LA-SMA-6.34	L024	6/14/2017
LA-SMA-6.36	L025	6/14/2017

**Table 6-3 (continued)**

Site Monitoring Area	Permitted Feature	Inspection Date
LA-SMA-6.38	L026	6/14/2017
LA-SMA-6.395	L027	6/15/2017
LA-SMA-6.5	L028	6/14/2017
LA-SMA-9	L029	7/14/2017
M-SMA-1	M001	7/5/2017
M-SMA-1.2	M002	6/30/2017
M-SMA-1.21	M002A	6/30/2017
M-SMA-1.22	M002B	6/30/2017
M-SMA-10	M012	7/12/2017
M-SMA-10.01	M012A	7/12/2017
M-SMA-10.3	M013	7/12/2017
M-SMA-11.1	M014	7/13/2017
M-SMA-12	M015	7/13/2017
M-SMA-12.5	M016	8/8/2017
M-SMA-12.6	M017	8/8/2017
M-SMA-12.7	M018	8/8/2017
M-SMA-12.8	M019	8/8/2017
M-SMA-12.9	M020	8/8/2017
M-SMA-12.92	M021	8/9/2017
M-SMA-13	M022	8/9/2017
M-SMA-3	M003	6/15/2017
M-SMA-3.1	M004	6/15/2017
M-SMA-3.5	M005	7/21/2017
M-SMA-4	M006	7/21/2017
M-SMA-5	M007	7/12/2017
M-SMA-6	M008	7/13/2017
M-SMA-7	M009	7/13/2017
M-SMA-7.9	M010	7/13/2017
M-SMA-9.1	M011	7/12/2017
PJ-SMA-1.05	J001	6/27/2017
PJ-SMA-10	J012	6/12/2017
PJ-SMA-11	J013	6/12/2017
PJ-SMA-11.1	J014	6/12/2017
PJ-SMA-13	J015	8/2/2017
PJ-SMA-13.7	J016	8/2/2017
PJ-SMA-14	J017	8/2/2017
PJ-SMA-14.2	J018	8/2/2017
PJ-SMA-14.3	J019	8/2/2017
PJ-SMA-14.4	J020	8/2/2017
PJ-SMA-14.6	J021	8/2/2017
PJ-SMA-14.8	J022	8/2/2017

Table 6-3 (continued)

Site Monitoring Area	Permitted Feature	Inspection Date
PJ-SMA-16	J023	4/5/2017
PJ-SMA-17	J024	4/5/2017
PJ-SMA-18	J026	4/5/2017
PJ-SMA-19	J025	4/5/2017
PJ-SMA-2	J002	7/6/2017
PJ-SMA-20	J027	4/5/2017
PJ-SMA-3.05	J003	6/13/2017
PJ-SMA-4.05	J004	6/15/2017
PJ-SMA-5	J005	6/13/2017
PJ-SMA-5.1	J006	6/13/2017
PJ-SMA-6	J007	6/12/2017
PJ-SMA-7	J008	6/12/2017
PJ-SMA-8	J009	6/15/2017
PJ-SMA-9	J010	6/15/2017
Pratt-SMA-1.05	T001	7/20/2017
P-SMA-0.3	P004	7/21/2017
P-SMA-1	P005	6/9/2017
P-SMA-2	P006	6/20/2017
P-SMA-2.15	P007	6/13/2017
P-SMA-2.2	P008	6/15/2017
P-SMA-3.05	P009	7/21/2017
PT-SMA-0.5	I001	4/4/2017
PT-SMA-1	I002	4/4/2017
PT-SMA-1.7	I003	4/3/2017
PT-SMA-2	I004	4/4/2017
PT-SMA-2.01	I004A	4/4/2017
PT-SMA-3	I005	4/6/2017
PT-SMA-4.2	I007	4/5/2017
R-SMA-0.5	R001	8/11/2017
R-SMA-1	R002	8/11/2017
R-SMA-1.95	R003	6/15/2017
R-SMA-2.05	R004	8/1/2017
R-SMA-2.3	R005	6/20/2017
R-SMA-2.5	R006	6/8/2017
S-SMA-0.25	S001	7/7/2017
S-SMA-1.1	S002	7/7/2017
S-SMA-2	S003	7/6/2017
S-SMA-2.01	S003A	6/30/2017
S-SMA-2.8	S004	6/30/2017
S-SMA-3.51	S005	6/30/2017
S-SMA-3.52	S005A	6/30/2017



**Table 6-3 (continued)**

Site Monitoring Area	Permitted Feature	Inspection Date
S-SMA-3.53	S005B	7/6/2017
S-SMA-3.6	S006	7/6/2017
S-SMA-3.7	S007	8/4/2017
S-SMA-3.71	S008	8/4/2017
S-SMA-3.72	S009	8/4/2017
S-SMA-3.95	S010	8/9/2017
S-SMA-4.1	S011	7/19/2017
S-SMA-4.5	S012	7/31/2017
S-SMA-5	S013	7/21/2017
S-SMA-5.2	S014	7/19/2017
S-SMA-5.5	S015	7/21/2017
S-SMA-6	S016	7/24/2017
STRM-SMA-1.05	J028	7/6/2017
STRM-SMA-1.5	J029	7/6/2017
STRM-SMA-4.2	J030	7/6/2017
STRM-SMA-5.05	J031	7/6/2017
T-SMA-1	T002	7/20/2017
T-SMA-2.5	T003	7/18/2017
T-SMA-2.85	T004	7/18/2017
T-SMA-3	T005	7/20/2017
T-SMA-4	T006	7/20/2017
T-SMA-5	T007	7/20/2017
T-SMA-6.8	T008	7/20/2017
T-SMA-7	T009	7/20/2017
T-SMA-7.1	T010	7/20/2017
W-SMA-1	W001	7/5/2017
W-SMA-1.5	W002	7/5/2017
W-SMA-10	W018	6/15/2017
W-SMA-11.7	W019	4/7/2017
W-SMA-12.05	W020	4/6/2017
W-SMA-14.1	W021	4/3/2017
W-SMA-15.1	W022	4/6/2017
W-SMA-2.05	W003	7/5/2017
W-SMA-3.5	W004	6/13/2017
W-SMA-4.1	W005	6/13/2017
W-SMA-5	W006	6/14/2017
W-SMA-6	W007	6/13/2017
W-SMA-7	W008	6/13/2017
W-SMA-7.8	W009	6/13/2017
W-SMA-7.9	W010	6/13/2017
W-SMA-8	W011	6/13/2017

**Table 6-3 (continued)**

Site Monitoring Area	Permitted Feature	Inspection Date
W-SMA-8.7	W012	6/13/2017
W-SMA-8.71	W012A	6/13/2017
W-SMA-9.05	W013	6/13/2017
W-SMA-9.5	W014	6/15/2017
W-SMA-9.7	W015	6/15/2017
W-SMA-9.8	W016	6/15/2017
W-SMA-9.9	W017	6/15/2017

**Table 6-4  
Summary of Significant Event Inspections**

SMA	Permitted Feature	Inspection Date	Comment
S-SMA-1.1	S002	1/3/2018	Ongoing construction has been occurring at Site and will continue. Several controls have been removed but back-up controls are in place.

**Table 6-5  
Summary of Visual  
Inspections for TAL Exceedances**

SMA	Permitted Feature	Inspection Date	Comment
3M-SMA-4	H006	In Process	n/a*
ACID-SMA-2	P002	2/6/2017	No action recommended
ACID-SMA-2	P002	12/22/2017	No action recommended
ACID-SMA-2.1	P003	2/6/2017	No action recommended
ACID-SMA-2.1	P003	12/22/2017	No action recommended
CDV-SMA-2.42	V008A	12/20/2017	No action recommended
M-SMA-1.2	M002	In Process	n/a
PT-SMA-1	I002	In Process	n/a
S-SMA-6	S016	In Process	n/a
T-SMA-7	T009	12/22/2017	No action recommended
W-SMA-9.5	W014	8/10/2017	No action recommended

\* n/a = Not applicable.

**Table 6-6  
Summary of Inspections during Construction Activity Associated with Site Remediation**

SMA	Permitted Feature	Purpose	Inspection Date	Backup Controls in Place?
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	2/23/17	No
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	3/2/17	No
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	3/9/17	No
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	3/16/17	No
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	3/23/17	No
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	3/31/17	Yes
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	4/7/17	Yes
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	4/13/17	Yes
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	4/20/17	Yes
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	4/27/17	Yes
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	5/4/17	Yes
A-SMA-2.5	A003	Remediation Construction Activity Inspection for A-SMA-2.5	5/10/17	Yes
LA-SMA-0.85	L001	Remediation Construction Activity Inspection for LA-SMA-0.85	1/17/17	Yes
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	2/10/17	Yes
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	2/16/17	Yes
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	2/23/17	No
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	2/28/17	No
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	3/9/17	No
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	3/16/17	No
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	9/28/17	Yes
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	10/5/17	Yes
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	10/12/17	Yes
PJ-SMA-10	J012	Remediation Construction Activity Inspection for PJ-SMA-10	10/19/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	6/13/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	6/20/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	6/30/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	7/6/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	7/13/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	7/20/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	7/27/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	8/1/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	8/10/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	8/17/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	8/24/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	8/31/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	9/7/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	9/14/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	9/20/17	Yes
PJ-SMA-7	J008	Remediation Construction Activity Inspection for PJ-SMA-7	9/28/17	Yes

**Table 6-7**  
**Rainfall Intensity and Total Amounts on Days with Total Rainfall greater than 0.1 in. in 24 h**

Precipitation Date	RG-NCOM	RG-TA-06	RG-TA-49	RG-TA-53	RG-TA-54	RG038	RG042.1	RG055.5	RG121.9	RG200.5	RG203	RG240	RG245.5	RG253	RG257	RG262.4	RG265	RG267.4	RG340
03/28/2017	0.06/0.34	0.12/0.55	0.29/0.75	0.08/0.43	0.25/0.66	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
03/31/2017	0.03/0.07	0.07/0.13	0.03/0.07	0.03/0.09	0.04/0.08	0.01/0.01	0.03/0.07	0.01/0.01	0.01/0.02	0.00/0.00	0.01/0.02	0.00/0.00	0.02/0.02	0.00/0.00	0.00/0.00	0.01/0.01	0.01/0.05	0.01/0.01	0.02/0.03
04/01/2017	0.05/0.32	0.07/0.34	0.09/0.42	0.08/0.25	0.08/0.26	0.07/0.17	0.05/0.28	0.10/0.21	0.06/0.18	0.08/0.14	0.06/0.23	0.03/0.10	0.05/0.24	0.04/0.17	0.04/0.15	0.05/0.25	0.04/0.28	0.08/0.21	0.06/0.33
04/02/2017	0.01/0.02	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.04/0.09	0.00/0.00	0.07/0.27	0.08/0.32	0.04/0.16	0.03/0.06	0.14/0.28	0.03/0.12	0.08/0.29	0.15/0.33	0.04/0.15	0.03/0.10	0.04/0.17	0.03/0.15
04/04/2017	0.04/0.24	0.05/0.24	0.03/0.16	0.02/0.12	0.01/0.06	0.06/0.14	0.02/0.06	0.07/0.20	0.06/0.20	0.04/0.11	0.04/0.11	0.09/0.23	0.03/0.13	0.09/0.20	0.07/0.21	0.05/0.19	0.03/0.08	0.04/0.13	0.04/0.07
04/25/2017	0.07/0.08	0.06/0.07	0.06/0.07	0.04/0.04	0.05/0.06	0.02/0.03	0.04/0.04	0.06/0.08	0.08/0.09	0.05/0.06	0.05/0.05	0.10/0.13	0.05/0.06	0.12/0.14	0.08/0.09	0.07/0.08	0.06/0.06	0.09/0.09	0.05/0.05
04/28/2017	0.03/0.40	0.06/0.33	0.06/0.30	0.06/0.35	0.08/0.32	0.05/0.27	0.04/0.26	0.10/0.34	0.05/0.30	0.05/0.20	0.04/0.26	0.05/0.33	0.05/0.23	0.04/0.23	0.08/0.27	0.04/0.28	0.03/0.18	0.05/0.21	0.05/0.24
04/29/2017	0.03/0.21	0.04/0.19	0.07/0.26	0.12/0.43	0.14/0.51	0.09/0.33	0.09/0.42	0.17/0.24	0.07/0.18	0.01/0.02	0.10/0.31	0.08/0.16	0.08/0.37	0.04/0.15	0.14/0.23	0.05/0.32	0.10/0.46	0.13/0.37	0.10/0.55
04/30/2017	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01	0.01/0.01	0.01/0.01	0.00/0.00	0.04/0.10	0.01/0.03	0.02/0.02	0.01/0.02	0.02/0.05	0.01/0.01	0.01/0.01	0.00/0.00	0.01/0.01	0.00/0.00
05/08/2017	0.00/0.00	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01	0.01/0.02	0.00/0.00	0.00/0.00	0.06/0.06	0.00/0.00	0.11/0.11	0.01/0.02	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01
05/09/2017	0.10/0.37	0.12/0.41	0.24/0.52	0.14/0.36	0.17/0.43	0.12/0.26	0.13/0.40	0.10/0.35	0.12/0.42	0.16/0.32	0.14/0.37	0.11/0.48	0.12/0.33	0.14/0.52	0.12/0.47	0.16/0.47	0.21/0.65	0.12/0.33	0.24/0.74
05/10/2017	0.05/0.15	0.04/0.08	0.01/0.02	0.04/0.14	0.03/0.04	0.06/0.16	0.06/0.16	0.06/0.16	0.04/0.12	0.08/0.15	0.06/0.19	0.05/0.08	0.04/0.10	0.02/0.05	0.05/0.13	0.06/0.11	0.01/0.04	0.02/0.04	0.02/0.02
05/19/2017	0.05/0.10	0.07/0.18	0.07/0.16	0.09/0.21	0.07/0.16	0.12/0.20	0.06/0.22	0.12/0.18	0.08/0.17	0.16/0.18	0.10/0.20	0.05/0.12	0.07/0.19	0.13/0.15	0.16/0.18	0.07/0.17	0.04/0.16	0.06/0.16	0.05/0.17
05/29/2017	0.10/0.10	0.04/0.04	0.00/0.00	0.05/0.05	0.01/0.01	0.04/0.04	0.04/0.08	0.10/0.10	0.09/0.10	0.04/0.05	0.03/0.04	0.06/0.06	0.02/0.02	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01
05/30/2017	0.07/0.10	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.02/0.03	0.02/0.03	0.00/0.00	0.00/0.00	0.08/0.13	0.01/0.01	0.09/0.10	0.03/0.03	0.00/0.00	0.03/0.03	0.00/0.00	0.00/0.00
06/01/2017	0.09/0.14	0.09/0.14	0.07/0.09	0.17/0.18	0.07/0.09	0.06/0.14	0.19/0.22	0.10/0.18	0.13/0.18	0.08/0.13	0.16/0.17	0.09/0.10	0.19/0.20	0.06/0.09	0.08/0.13	0.14/0.19	0.01/0.01	0.13/0.15	0.01/0.01
06/04/2017	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01	0.00/0.00	0.07/0.07	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01	0.05/0.08	0.00/0.00	0.09/0.13	0.02/0.02	0.00/0.00	0.02/0.02	0.00/0.00	0.00/0.00
06/06/2017	0.05/0.09	0.48/0.57	0.31/0.40	0.16/0.32	0.09/0.14	0.13/0.27	0.05/0.13	0.07/0.13	0.16/0.21	0.16/0.35	0.13/0.27	0.05/0.11	0.24/0.42	0.12/0.17	0.35/0.70	0.32/0.55	0.08/0.16	0.23/0.39	0.05/0.10
06/07/2017	0.00/0.00	0.00/0.00	0.02/0.02	0.15/0.16	0.03/0.03	0.25/0.26	0.04/0.05	0.06/0.06	0.01/0.01	0.07/0.15	0.24/0.26	0.00/0.00	0.12/0.13	0.00/0.00	0.00/0.00	0.09/0.09	0.11/0.11	0.24/0.25	0.04/0.04
06/22/2017	0.02/0.04	0.01/0.01	0.02/0.03	0.08/0.09	0.03/0.03	0.09/0.10	0.02/0.03	0.04/0.08	0.01/0.02	0.04/0.06	0.06/0.07	0.06/0.06	0.01/0.03	0.02/0.02	0.02/0.02	0.02/0.02	0.02/0.02	0.01/0.01	0.02/0.03
06/25/2017	0.10/0.23	0.26/0.69	0.73/1.08	0.13/0.17	0.06/0.17	0.17/0.21	0.05/0.08	0.11/0.24	0.25/0.44	0.02/0.18	0.07/0.20	0.38/0.67	0.11/0.23	0.56/1.18	0.63/1.17	0.37/0.71	0.28/0.52	0.22/0.49	0.66/0.98
06/26/2017	0.15/0.36	0.21/0.46	0.07/0.10	0.02/0.02	0.00/0.00	0.02/0.05	0.02/0.03	0.12/0.26	0.22/0.50	0.01/0.07	0.03/0.04	0.13/0.48	0.03/0.06	0.16/0.36	0.10/0.30	0.05/0.15	0.01/0.01	0.03/0.07	0.04/0.04
07/08/2017	0.01/0.01	0.07/0.07	0.01/0.01	0.19/0.20	0.00/0.00	0.28/0.35	0.10/0.10	0.50/0.52	0.16/0.17	0.25/0.30	0.08/0.13	0.01/0.02	0.02/0.04	0.01/0.01	0.03/0.04	0.05/0.06	0.00/0.00	0.00/0.00	0.00/0.00
07/09/2017	0.00/0.00	0.00/0.00	0.00/0.00	0.43/0.43	0.06/0.06	0.03/0.03	0.14/0.15	0.00/0.00	0.00/0.00	0.00/0.00	0.10/0.10	0.10/0.11	0.05/0.06	0.03/0.05	0.03/0.04	0.01/0.01	0.02/0.02	0.01/0.01	0.00/0.00
07/10/2017	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.15/0.18	0.00/0.00	0.08/0.08	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.04/0.05	0.00/0.00	0.03/0.03
07/12/2017	0.04/0.06	0.25/0.37	0.11/0.27	0.04/0.06	0.04/0.05	0.03/0.06	0.04/0.05	0.03/0.06	0.08/0.15	0.06/0.12	0.04/0.07	0.06/0.17	0.03/0.07	0.32/0.66	0.31/0.51	0.11/0.22	0.06/0.12	0.03/0.11	0.06/0.18
07/13/2017	0.02/0.07	0.01/0.01	0.21/0.21	0.01/0.01	0.04/0.05	0.02/0.04	0.02/0.02	0.02/0.06	0.01/0.04	0.01/0.02	0.02/0.02	0.02/0.05	0.03/0.04	0.01/0.02	0.01/0.01	0.04/0.04	0.05/0.06	0.15/0.15	0.04/0.08
07/18/2017	0.19/0.34	0.18/0.24	0.12/0.26	0.00/0.00	0.01/0.02	0.02/0.04	0.00/0.00	0.11/0.16	0.21/0.29	0.06/0.10	0.02/0.02	0.19/0.26	0.07/0.07	0.17/0.19	0.31/0.35	0.16/0.23	0.08/0.10	0.06/0.08	0.00/0.00
07/22/2017	0.00/0.00	0.00/0.00	0.49/0.59	0.04/0.04	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.02/0.02	0.00/0.00	0.24/0.25	0.16/0.20	0.00/0.00	0.20/0.20	0.00/0.00
07/24/2017	0.02/0.02	0.02/0.02	0.03/0.03	0.01/0.01	0.05/0.12	0.00/0.00	0.02/0.06	0.06/0.06	0.05/0.06	0.00/0.00	0.01/0.03	0.04/0.04	0.04/0.07	0.03/0.03	0.02/0.02	0.03/0.03	0.04/0.08	0.06/0.09	0.08/0.21
07/25/2017	0.16/0.21	0.03/0.06	0.05/0.05	0.01/0.01	0.01/0.01	0.03/0.07	0.06/0.06	0.03/0.06	0.03/0.05	0.03/0.05	0.01/0.02	0.11/0.11	0.01/0.01	0.03/0.03	0.02/0.04	0.01/0.01	0.02/0.04	0.01/0.02	0.08/0.08
07/26/2017	0.18/0.18	0.44/0.45	0.26/0.26	0.46/0.48	0.31/0.31	0.48/0.50	0.34/0.34	0.60/0.60	0.99/0.99	1.08/1.10	1.07/1.09	0.31/0.31	0.62/0.62	0.07/0.08	0.06/0.06	0.13/0.13	0.24/0.24	0.17/0.17	0.08/0.08
07/27/2017	0.07/0.21	0.08/0.18	0.07/0.21	0.27/0.66	0.05/0.21	0.24/0.45	0.11/0.34	0.04/0.17	0.10/0.21	0.13/0.25	0.81/1.03	0.26/0.41	0.27/0.42	0.04/0.12	0.07/0.24	0.08/0.22	0.06/0.19	0.05/0.23	0.03/0.12
07/28/2017	0.06/0.07	0.02/0.04	0.06/0.12	0.03/0.03	0.02/0.03	0.07/0.10	0.01/0.02	0.07/0.13	0.02/0.03	0.15/0.17	0.03/0.05	0.02/0.02	0.02/0.05	0.01/0.02	0.03/0.05	0.05/0.10	0.01/0.01	0.03/0.06	0.04/0.04
07/29/2017	0.27/0.49	0.26/0.46	0.27/0.52	0.05/0.12	0.04/0.05	0.11/0.17	0.06/0.10	0.27/0.41	0.33/0.47	0.22/0.35	0.25/0.35	0.29/0.54	0.30/0.44	0.37/0.57	0.31/0.46	0.25/0.40	0.04/0.07	0.40/0.62	0.04/0.06
07/30/2017	0.07/0.12	0.00/0.00	0.01/0.01	0.00/0.00	0.00/0.00	0.01/0.01	0.01/0.01	0.01/0.02	0.01/0.01	0.00/0.00	0.01/0.01	0.16/0.23	0.01/0.02	0.05/0.10	0.02/0.03	0.01/0.01	0.00/0.00	0.01/0.01	0.00/0.00

Table 6-7 (continued)

Precipitation Date	RG-NCOM	RG-TA-06	RG-TA-49	RG-TA-53	RG-TA-54	RG038	RG042.1	RG055.5	RG121.9	RG200.5	RG203	RG240	RG245.5	RG253	RG257	RG262.4	RG265	RG267.4	RG340
07/31/2017	0.03/0.07	0.06/0.14	0.03/0.06	0.04/0.06	0.02/0.03	0.04/0.09	0.04/0.06	0.03/0.08	0.05/0.12	0.05/0.12	0.06/0.09	0.07/0.24	0.04/0.07	0.06/0.17	0.07/0.17	0.04/0.08	0.01/0.02	0.02/0.06	0.02/0.02
08/03/2017	0.00/0.00	0.08/0.08	0.09/0.09	0.05/0.05	0.04/0.04	0.05/0.07	0.04/0.04	0.05/0.05	0.02/0.03	0.03/0.05	0.03/0.06	0.02/0.03	0.11/0.13	0.10/0.10	0.14/0.14	0.11/0.11	0.07/0.07	0.09/0.18	0.04/0.04
08/04/2017	0.03/0.12	0.01/0.02	0.04/0.06	0.00/0.00	0.00/0.00	0.01/0.01	0.01/0.01	0.03/0.07	0.01/0.02	0.01/0.01	0.00/0.00	0.02/0.06	0.01/0.01	0.03/0.10	0.02/0.04	0.02/0.02	0.04/0.04	0.02/0.02	0.08/0.11
08/06/2017	0.13/0.27	0.09/0.11	0.02/0.04	0.01/0.03	0.01/0.01	0.01/0.04	0.01/0.01	0.04/0.08	0.03/0.06	0.13/0.16	0.03/0.09	0.04/0.08	0.08/0.15	0.19/0.25	0.23/0.46	0.14/0.22	0.01/0.01	0.03/0.06	0.01/0.02
08/07/2017	0.06/0.06	0.05/0.16	0.00/0.00	0.47/0.49	0.13/0.14	0.43/0.45	0.24/0.28	0.30/0.37	0.18/0.26	0.31/0.32	0.41/0.43	0.01/0.02	0.49/0.52	0.04/0.05	0.06/0.11	0.03/0.06	0.00/0.00	0.05/0.06	0.01/0.01
08/09/2017	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.08/0.08	0.00/0.00	0.25/0.25	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00
08/11/2017	0.19/0.57	0.19/0.48	0.32/0.67	0.07/0.36	0.05/0.16	0.17/0.40	0.08/0.32	0.21/0.52	0.19/0.48	0.17/0.42	0.09/0.41	0.09/0.43	0.11/0.41	0.13/0.40	0.13/0.37	0.22/0.49	0.05/0.17	0.16/0.47	0.05/0.21
08/13/2017	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.23/0.23	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.03/0.03	0.00/0.00
08/14/2017	0.12/0.16	0.01/0.02	0.01/0.01	0.07/0.13	0.19/0.21	0.04/0.06	0.13/0.18	0.04/0.07	0.04/0.09	0.08/0.12	0.14/0.25	0.05/0.09	0.37/0.43	0.06/0.10	0.07/0.13	0.03/0.07	0.08/0.11	0.04/0.07	0.06/0.09
08/19/2017	0.05/0.12	0.02/0.02	0.09/0.09	0.00/0.00	0.00/0.00	0.01/0.02	0.00/0.00	0.05/0.10	0.01/0.03	0.01/0.01	0.00/0.00	0.03/0.06	0.00/0.00	0.01/0.01	0.02/0.02	0.01/0.01	0.00/0.00	0.01/0.01	0.01/0.01
08/20/2017	0.10/0.26	0.11/0.31	0.13/0.33	0.12/0.24	0.03/0.10	0.10/0.25	0.04/0.14	0.12/0.30	0.14/0.31	0.10/0.25	0.13/0.27	0.06/0.23	0.14/0.29	0.05/0.21	0.08/0.28	0.12/0.32	0.08/0.20	0.14/0.32	0.05/0.15
08/23/2017	0.27/0.33	0.13/0.21	0.05/0.07	0.01/0.01	0.00/0.00	0.04/0.07	0.00/0.00	0.30/0.39	0.13/0.22	0.06/0.11	0.03/0.05	0.26/0.37	0.03/0.05	0.34/0.37	0.17/0.20	0.07/0.08	0.01/0.02	0.03/0.04	0.02/0.02
08/24/2017	0.07/0.14	0.04/0.06	0.01/0.01	0.06/0.09	0.00/0.00	0.03/0.09	0.02/0.04	0.03/0.07	0.02/0.05	0.04/0.07	0.10/0.15	0.03/0.07	0.01/0.03	0.02/0.05	0.02/0.05	0.03/0.09	0.01/0.04	0.04/0.07	0.00/0.00
08/26/2017	0.01/0.01	0.03/0.04	0.16/0.18	0.02/0.02	0.01/0.01	0.05/0.06	0.02/0.02	0.04/0.04	0.06/0.07	0.05/0.06	0.02/0.03	0.02/0.02	0.13/0.15	0.03/0.03	0.05/0.05	0.14/0.15	0.01/0.01	0.19/0.20	0.00/0.00
08/28/2017	0.01/0.01	0.01/0.01	0.01/0.01	0.05/0.05	0.00/0.00	0.01/0.01	0.00/0.00	0.00/0.00	0.01/0.02	0.01/0.01	0.07/0.08	0.00/0.00	0.02/0.02	0.00/0.00	0.03/0.03	0.03/0.03	0.06/0.06	0.02/0.02	0.25/0.26
08/29/2017	0.03/0.05	0.01/0.01	0.05/0.05	0.17/0.18	0.03/0.03	0.09/0.10	0.01/0.01	0.08/0.08	0.01/0.02	0.15/0.15	0.16/0.17	0.15/0.17	0.12/0.12	0.06/0.08	0.13/0.15	0.02/0.02	0.19/0.19	0.04/0.04	0.08/0.08
09/01/2017	0.06/0.14	0.16/0.31	0.02/0.03	0.04/0.08	0.03/0.05	0.02/0.05	0.03/0.06	0.04/0.14	0.16/0.29	0.04/0.07	0.07/0.12	0.49/0.61	0.05/0.08	0.13/0.25	0.04/0.11	0.05/0.07	0.04/0.06	0.04/0.05	0.06/0.08
09/07/2017	0.00/0.00	0.01/0.04	0.02/0.02	0.01/0.01	0.00/0.00	0.00/0.00	0.01/0.01	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.02/0.04	0.00/0.00	0.02/0.03	0.19/0.21	0.07/0.08	0.01/0.03	0.03/0.03	0.02/0.03
09/12/2017	0.12/0.12	0.01/0.01	0.06/0.06	0.06/0.06	0.05/0.08	0.08/0.09	0.15/0.17	0.11/0.12	0.08/0.09	0.22/0.23	0.16/0.18	0.10/0.11	0.30/0.30	0.08/0.10	0.08/0.09	0.16/0.16	0.03/0.05	0.30/0.30	0.05/0.07
09/14/2017	0.02/0.05	0.05/0.05	0.03/0.04	0.00/0.00	0.01/0.02	0.01/0.01	0.00/0.00	0.04/0.05	0.05/0.07	0.04/0.05	0.03/0.03	0.07/0.10	0.05/0.06	0.03/0.06	0.07/0.08	0.05/0.07	0.03/0.04	0.03/0.04	0.04/0.06
09/23/2017	0.08/0.15	0.05/0.17	0.05/0.19	0.05/0.15	0.09/0.18	0.07/0.21	0.19/0.39	0.05/0.19	0.05/0.18	0.06/0.17	0.05/0.18	0.12/0.24	0.05/0.20	0.13/0.25	0.05/0.19	0.07/0.25	0.11/0.25	0.07/0.21	0.12/0.25
09/26/2017	0.20/0.60	0.19/0.63	0.19/0.58	0.15/0.37	0.16/0.35	0.12/0.35	0.15/0.30	0.20/0.62	0.20/0.67	0.15/0.47	0.16/0.45	0.18/0.63	0.14/0.39	0.17/0.60	0.17/0.60	0.19/0.60	0.15/0.42	0.13/0.36	0.17/0.52
09/27/2017	0.17/1.52	0.21/1.60	0.19/1.44	0.26/1.42	0.29/1.20	0.19/1.37	0.20/1.19	0.20/1.47	0.22/1.52	0.17/1.26	0.21/1.36	0.18/1.71	0.20/1.23	0.19/1.69	0.17/1.49	0.15/1.25	0.27/1.23	0.21/1.23	0.20/1.16
09/28/2017	0.16/0.87	0.41/1.31	0.25/1.15	0.18/0.95	0.21/1.25	0.13/0.78	0.33/1.05	0.45/1.13	0.44/1.20	0.13/0.73	0.18/0.92	0.26/1.10	0.19/0.93	0.40/1.28	0.23/1.07	0.20/0.89	0.17/1.09	0.22/0.96	0.18/1.09
09/29/2017	0.06/0.11	0.11/0.17	0.05/0.07	0.02/0.05	0.01/0.01	0.10/0.16	0.03/0.07	0.05/0.10	0.07/0.13	0.07/0.11	0.03/0.05	0.09/0.14	0.03/0.07	0.08/0.11	0.09/0.14	0.03/0.06	0.01/0.01	0.02/0.05	0.01/0.02
09/30/2017	0.24/0.58	0.06/0.26	0.04/0.12	0.05/0.19	0.06/0.17	0.06/0.24	0.04/0.15	0.16/0.43	0.13/0.38	0.04/0.19	0.04/0.16	0.20/0.48	0.04/0.13	0.15/0.36	0.05/0.19	0.05/0.13	0.07/0.15	0.04/0.11	0.06/0.16
10/04/2017	0.23/0.78	0.41/0.64	0.23/0.43	0.69/0.92	0.11/0.34	0.48/0.79	0.32/0.86	0.35/0.84	0.39/0.92	0.54/0.72	0.68/0.86	0.24/0.72	0.54/0.78	0.17/0.39	0.64/0.79	0.16/0.59	0.08/0.29	0.21/0.45	0.12/0.25
10/05/2017	0.04/0.18	0.19/0.71	0.25/0.78	0.23/0.54	0.29/0.87	0.10/0.37	0.17/0.47	0.07/0.28	0.11/0.40	0.16/0.48	0.30/0.57	0.14/0.45	0.29/0.53	0.30/0.93	0.31/0.52	0.08/0.66	0.26/0.83	0.36/0.81	0.18/0.70
10/19/2017	0.05/0.11	0.00/0.00	0.00/0.00	0.00/0.00	0.02/0.02	0.00/0.00	0.00/0.00	0.02/0.02	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.00/0.00	0.02/0.02	0.02/0.02	0.01/0.01	0.01/0.01	0.02/0.02	0.01/0.01
11/07/2017	0.02/0.02	0.03/0.04	0.07/0.12	0.04/0.08	0.05/0.08	0.03/0.05	0.06/0.11	0.01/0.02	0.05/0.09	0.03/0.05	0.04/0.07	0.02/0.07	0.07/0.09	0.02/0.05	0.06/0.09	0.05/0.09	0.07/0.11	0.06/0.10	0.06/0.10

Notes: Cells are shaded blue if precipitation is greater than or equal to 0.25 in. 30-min max intensity. Cells are shaded yellow if precipitation exceeds 0.1 in. total rainfall in 24 h. All measurements are reported in inches. n/a = not applicable; rain gage is not operational.

**Table 6-8**  
**Samples Collected with Insufficient Volume for Measureable Discharge**

<b>SMA</b>	<b>Compliance Status Report Comment</b>	<b>Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability</b>	<b>Rainfall Intensity<sup>a</sup>/Total<sup>b</sup> (in.)</b>
2M-SMA-3	Insufficient volume was collected on 8/11/2017 at 13:38. The sample was not retrieved. Reset at inspection on 8/21/2017 (inoperable 10 d).	08/20/2017	0.11/0.31
CDV-SMA-2.42	Insufficient volume was collected on 06/06/2017. The sample was not retrieved. Reset at inspection on 06/12/2017 (inoperable 6 d).	None	n/a <sup>c</sup>
LA-SMA-6.31	Insufficient volume was collected on 7/26/2017 at 11:18. The sample was not retrieved and sampler reset at inspection on 07/28/2017 (inoperable 2 d).	07/27/2017	0.24/0.45
PJ-SMA-7	Insufficient volume was collected on 10/04/2017 at 21:00. The sample was not retrieved and sampler reset at inspection on 10/06/2017 (inoperable 2 d).	10/05/2017	0.19/0.71
S-SMA-6	Insufficient volume was collected on 09/27/2017 at 17:41. The sample was not retrieved. Reset at inspection on 09/28/2017 (inoperable 1 d).	None	n/a
T-SMA-7.1	Insufficient volume was collected on 09/12/2017 at 14:53. The sample was not retrieved and sampler was deactivated at inspection on 09/13/2017. The sampler was reactivated on 09/14/2017 for baseline monitoring (inoperable 1 d).	None	n/a

<sup>a</sup> Intensity = Maximum amount of precipitation in any 30-min interval.

<sup>b</sup> Total = Total amount of precipitation in 24 h.

<sup>c</sup> n/a = Not applicable; rain gage is not operational.

**Table 6-9  
Malfunctioning Sampler Equipment and Repair**

<b>SMA</b>	<b>Compliance Status Report Comment</b>	<b>Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability</b>	<b>Rainfall Intensity<sup>a</sup>/Total<sup>b</sup> (in.)</b>
2M-SMA-1.67	The sampler was found to be off on 09/11/2017. The sampler was last known to be operable at a prior visit to install RTU <sup>c</sup> equipment on 08/31/17 (inoperable up to 11 d).	09/01/2017	0.16/0.31
2M-SMA-3	The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was found to be off on 06/08/2017. The sampler was last known to be operable at the prior inspection on 05/24/2017 (inoperable up to 15 d).	06/01/2017 06/06/2017	0.09/0.14 0.48/0.57
3M-SMA-0.5	The actuator was found buried on arrival on 9/29/2017. The sampler was last known to be operable at the prior inspection on 09/21/2017 (inoperable up to 8 d).	09/23/2017 09/26/2017 09/27/2017 09/28/2017	0.07/0.25 0.19/0.60 0.15/1.25 0.20/0.89
CDV-SMA-7	The sampler was found to be off due to dead battery on 07/21/2017. The sampler was last known to be operable at the prior inspection on 06/27/2017 (inoperable up to 24 d).	07/12/2017 07/18/2017	0.31/0.51 0.31/0.35
F-SMA-2	The sampler was found to be off on 08/02/2017 due to a power failure recorded on 07/30/2017 (inoperable 3 d).	none	n/a <sup>d</sup>
LA-SMA-5.31	The actuator was found to be damaged by a tree on arrival on 10/02/2017. The sampler was last known to be operable at the prior inspection on 09/21/2017 (inoperable up to 11 d).	09/23/2017 09/26/2017 09/27/2017 09/28/2017 09/29/2017 09/30/2017	0.07/0.21 0.12/0.35 0.19/1.37 0.13/0.78 0.10/0.16 0.06/0.24
LA-SMA-5.361	The sampler was found inoperable due to a buried actuator and intake on 07/14/2017. The sampler was last known to be operable at the prior inspection on 06/09/2017 (inoperable up to 35 d).	06/22/2017 06/25/2017 07/08/2017	0.09/0.10 0.17/0.21 0.28/0.35
LA-SMA-5.53	The sampler was found to be tipped over on 08/18/2017. The sampler was last known to be operable at the prior inspection on 08/09/2017 (inoperable up to 9 d).	08/11/2017	0.17/0.40
LA-SMA-6.25	The sampler was found inoperable due to a buried actuator and intake on 07/28/2017. The sampler was last known to be operable at the prior inspection on 07/11/2017 (inoperable up to 17 d).	07/26/2017 07/27/2017	0.48/0.50 0.24/0.45

Table 6-9 (continued)

SMA	Compliance Status Report Comment	Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability	Rainfall Intensity/Total (in.)
LA-SMA-6.3	The sampler was found inoperable due to a buried actuator and intake on 07/28/2017. The sampler was last known to be operable at the prior inspection on 07/11/2017 (inoperable up to 17 d).	07/26/2017 07/27/2017	0.48/0.50 0.24/0.45
LA-SMA-6.31	The sampler was found with standing water in the base on 11/16/17. The sampler was last known to be operable at the prior inspection on 10/06/2017 (inoperable up to 41 d).	none	n/a
LA-SMA-6.38	The sampler was found to be off on 07/11/2017 due to a damaged battery cable. The sampler was last known to be operable at the prior inspection on 06/12/2017 (inoperable up to 29 d).	06/22/2017 06/25/2017 07/08/2017	0.09/0.10 0.17/0.21 0.28/0.35
M-SMA-11.1	The sampler was found to be tipped over on 06/20/2017. The sampler was last known to be operable at the prior inspection on 05/10/2017 (inoperable up to 41 d).	05/10/2017 05/19/2017 06/01/2017 06/06/2017 06/07/2017	0.08/0.15 0.16/0.18 0.08/0.13 0.16/0.35 0.07/0.15
M-SMA-12.5	The actuator was found disturbed and out of channel on 10/05/2017. The sampler was last known to be operable at the prior inspection on 08/23/2017 (inoperable up to 43 d).	08/24/2017 08/29/2017 09/01/2017 09/12/2017 09/23/2017 09/26/2017 09/27/2017 09/28/2017 09/30/2017 10/04/2017	0.10/0.15 0.16/0.17 0.07/0.12 0.16/0.18 0.05/0.18 0.16/0.45 0.21/1.36 0.18/0.92 0.04/0.16 0.68/0.86
M-SMA-12.7	The sampler was found to be tipped over on 07/28/2017. The sampler was last known to be operable at the prior inspection on 06/23/2017 (inoperable up to 35 d).	06/25/2017 07/08/2017 07/09/2017 07/26/2017 07/27/2017	0.07/0.20 0.08/0.13 0.10/0.10 1.07/1.09 0.81/1.03
M-SMA-12.8	The sampler was found inoperable due to a buried actuator and intake on 07/28/2017. The sampler was last known to be operable at the prior inspection on 06/23/2017 (inoperable up to 35 d).	06/25/2017 07/08/2017 07/09/2017	0.07/0.20 0.08/0.13 0.10/0.10



Table 6-9 (continued)

SMA	Compliance Status Report Comment	Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability	Rainfall Intensity/Total (in.)
		07/26/2017 07/27/2017	1.07/1.09 0.81/1.03
PJ-SMA-14.3	The sampler was found to be tipped over on 07/31/2017. The sampler was last known to be operable at the prior inspection on 06/29/2017 (inoperable up to 32 d).	07/26/2017 07/27/2017 07/29/2017	0.62/0.62 0.27/0.42 0.30/0.44
P-SMA-2.15	The sampler was found to be tipped over on 09/26/2017. The sampler was last known to be operable at the prior inspection on 08/15/2017 (inoperable up to 42 d).	08/20/2017 08/29/2017 09/23/2017	0.10/0.25 0.09/0.10 0.07/0.21
PT-SMA-1.7	The sampler was found to be tipped over on 10/19/2017. The sampler was last known to be operable at the prior inspection on 09/29/2017 (inoperable up to 20 d).	09/30/2017 10/04/2017 10/05/2017	0.05/0.13 0.16/0.59 0.08/0.66
R-SMA-2.05	The sampler was found to be tipped over on 11/07/2017. The sampler was last known to be operable at the prior inspection on 10/06/17 (inoperable up to 42 d).	10/19/2017	0.05/0.11
R-SMA-2.5	The sampler was found to be off due to vandalism on 09/07/2017. The sampler was last known to be operable at the prior inspection on 08/09/2017 (inoperable up to 29 d).	08/11/2017 08/20/2017 08/29/2017	0.17/0.40 0.10/0.25 0.09/0.10
S-SMA-6	The sampler malfunctioned during inspection on 06/08/2017 and equipment was replaced on 06/13/2017 (inoperable 5 d).	none	n/a

<sup>a</sup> Intensity = Maximum amount of precipitation in any 30-min interval.

<sup>b</sup> Total = Total amount of precipitation in 24 h.

<sup>c</sup> RTU = Radio telemetry unit.

<sup>d</sup> n/a = Not applicable; rain gage is not operational.

**Table 6-10  
Inoperable Triggered Sampler Equipment**

<b>SMA</b>	<b>Compliance Status Report Comment</b>	<b>Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability</b>	<b>Rainfall Intensity<sup>a</sup>/Total<sup>b</sup> (in.)</b>
2M-SMA-3	The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 6/28/17 (inoperable 3 d).	06/26/2017	0.21/0.46
2M-SMA-3	The sampler attempted but was unable to collect a sample on 9/26/2017 at 20:00. Reset at inspection on 10/02/2017 (inoperable 6 d).	09/27/2017 09/28/2017 09/29/2017 09/30/2017	0.21/1.60 0.41/1.31 0.11/0.17 0.06/0.26
3M-SMA-0.5	The sampler attempted but was unable to collect a sample on 10/04/2017 at 22:47. Reset at inspection on 10/10/2017 (inoperable 6 d).	10/05/2017	0.08/0.66
ACID-SMA-2.01	The sampler attempted but was unable to collect a sample on 07/08/2017 at 12:54. Reset at inspection on 07/12/2017. The sampler attempted but was unable to collect a sample immediately after reset on 07/12/2017 at 15:12. Reset at inspection on 07/27/2017 (inoperable 19 d).	07/18/2017 07/26/2017	0.11/0.16 0.60/0.60
ACID-SMA-2.01	The sampler attempted but was unable to collect a sample on 07/27/2017 at 18:01. Reset at inspection on 08/08/2017 (inoperable 12 d).	07/28/2017 07/29/2017 08/07/2017	0.07/0.13 0.27/0.41 0.30/0.37
ACID-SMA-2.1	The sampler attempted but was unable to collect a sample on 07/26/2017 at 11:23. Reset at inspection on 08/02/2017 (inoperable 7 d).	07/27/2017 07/28/2017 07/29/2017	0.04/0.17 0.07/0.13 0.27/0.41
CDV-SMA-6.02	The sampler attempted but was unable to collect a sample on 08/12/2017 at 07:36. Reset at inspection on 08/15/2017 (inoperable 3 d).	08/14/2017	0.07/0.13
CDV-SMA-6.02	The sampler attempted but was unable to collect a sample on 09/24/2017 at 05:35. Reset at inspection on 09/25/2017 (inoperable 1 d).	None	n/a <sup>c</sup>

**Table 6-10 (continued)**

<b>SMA</b>	<b>Compliance Status Report Comment</b>	<b>Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability</b>	<b>Rainfall Intensity/Total (in.)</b>
CDV-SMA-6.02	The sampler attempted but was unable to collect a sample on 09/27/2017 at 08:42. Reset at inspection on 10/2/2017 (inoperable 5 d).	09/28/2017 09/29/2017 09/30/2017	0.23/1.07 0.09/0.14 0.05/0.19
F-SMA-2	The sampler attempted but was unable to collect a sample on 09/29/2017 at 03:31. Reset at inspection on 09/29/2017 (inoperable 0 d).	None	n/a
LA-SMA-5.2	The sampler attempted but was unable to collect a sample on 06/26/2017 at 09:47. Reset at inspection on 07/19/2017 (inoperable 23 d).	07/08/2017 07/18/2017	0.50/0.52 0.11/0.16
LA-SMA-6.32	The sampler attempted but was unable to collect a sample at unknown time, the sampler was last known to be operable at the prior inspection on 05/05/2017. Reset at inspection on 06/14/2017 (inoperable up to 40 d).	05/09/2017 05/10/2017 05/19/2017 06/01/2017 06/06/2017 06/07/2017	0.12/0.26 0.06/0.16 0.12/0.20 0.06/0.14 0.13/0.27 0.25/0.26
PJ-SMA-7	The sampler attempted but was unable to collect a sample on 09/23/2017 at 15:25. Reset at inspection on 09/27/2017 (inoperable 4 d).	09/26/2017	0.19/0.63
PJ-SMA-7	The sampler attempted but was unable to collect a sample on 09/28/2017 at 22:53 and 09/29/2017 at 00:40. Reset at inspection on 10/02/2017 (inoperable 4 d).	09/29/2017 09/30/2017	0.11/0.17 0.06/0.26
PT-SMA-2	The sampler attempted but was unable to collect a sample on 08/07/2017 at 09:21 and 11:54 and 08/08/2017 at 09:44. Reset at inspection on 08/09/2017 (inoperable 1 d).	none	n/a
PT-SMA-2	The sampler attempted but was unable to collect a sample on 08/15/2017 at 08:36. Reset at inspection on 09/21/2017 (inoperable 37 d).	08/20/2017 08/26/2017 09/12/2017	0.12/0.32 0.14/0.15 0.16/0.16
PT-SMA-2	The sampler attempted but was unable to collect a sample on 09/26/17 19:44 and 09/27/2017 at 18:16. Reset at inspection on 09/29/2017 (inoperable 2 d).	09/28/2017	0.20/0.89
PT-SMA-2.01	The sampler program halted at unknown time; the sampler was last known to be operable at the prior inspection on 05/17/2017. Reset at inspection on 06/06/2017 (inoperable up to 20 d).	05/19/2017 06/01/2017	0.07/0.17 0.14/0.19
PT-SMA-4.2	The sampler attempted but was unable to collect a sample on 08/12/2017 at 02:14. Reset at inspection on 08/29/2017 (inoperable 17 d).	08/20/2017 08/26/2017	0.14/0.32 0.19/0.20
PT-SMA-4.2	The sampler attempted but was unable to collect a sample on 09/01/2017 at 19:49. Reset at inspection on 09/13/2017 (inoperable 12 d).	09/12/2017	0.30/0.30

Table 6-10 (continued)

SMA	Compliance Status Report Comment	Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability	Rainfall Intensity/Total (in.)
PT-SMA-4.2	The sampler attempted but was unable to collect a sample on 09/27/2017 at 10:42 and 16:53. Reset at inspection on 09/29/2017 (inoperable 2 d).	09/28/2017	0.22/0.96
PT-SMA-4.2	The sampler attempted but was unable to collect a sample on 10/01/2017 at 00:56. Reset at inspection on 10/10/2017 (inoperable 9 d).	10/04/2017 10/05/2017	0.21/0.45 0.36/0.81
S-SMA-3.71	The sampler attempted but was unable to collect a sample on 09/17/2017 at 19:49 and 09/23/2017 at 14:23. Reset at inspection on 09/28/2017 (inoperable 5 d).	09/23/2017 09/26/2017 09/27/2017	0.05/0.18 0.16/0.45 0.21/1.36
S-SMA-4.5	The sampler attempted but was unable to collect a sample on 07/26/2017 at 11:30. Reset at inspection on 07/27/2017 (inoperable 1 d).	None	n/a
STRM-SMA-4.2	The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 07/03/2017 (inoperable 8 d).	06/26/2017	0.13/0.48
W-SMA-12.05	The sampler attempted but was unable to collect a sample on 09/26/2017 at 19:27. Reset at inspection on 09/29/2017 (inoperable 3 d).	09/27/2017 09/28/2017	0.15/1.25 0.20/0.89
W-SMA-8	The sampler attempted but was unable to collect a sample on 09/27/2017 at 20:13. Reset at inspection on 09/29/2017 (inoperable 2 d).	09/28/2017	0.23/1.07

<sup>a</sup> Intensity = Maximum amount of precipitation in any 30-min interval.

<sup>b</sup> Total = Total amount of precipitation in 24 h.

<sup>c</sup>\*n/a = Not applicable; rain gage is not operational.

**Table 6-11**  
**Summary of Storm Water Monitoring and**  
**Sample Operability Status during Precipitation Events Exceeding 0.1 in. in 24 h**

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events with Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
2M-SMA-1	RG121.9	33	33	0	0	0
2M-SMA-1.42	RG-TA-06	32	32	0	0	0
2M-SMA-1.43	RG-TA-06	32	32	0	0	0
2M-SMA-1.44	RG-TA-06	32	7	0	25	0
2M-SMA-1.45	RG-TA-06	32	32	0	0	0
2M-SMA-1.5	RG-TA-06	32	8	0	24	0
2M-SMA-1.65	RG-TA-06	32	8	0	24	0
2M-SMA-1.67	RG-TA-06	32	7	1	24	0
2M-SMA-1.7	RG-TA-06	32	32	0	0	0
2M-SMA-1.8	RG-TA-06	32	32	0	0	0
2M-SMA-1.9	RG121.9	33	33	0	0	0
2M-SMA-2	RG121.9	33	33	0	0	0
2M-SMA-2.2	RG121.9	33	33	0	0	0
2M-SMA-2.5	RG-TA-06	32	32	0	0	0
2M-SMA-3	RG-TA-06	32	14	8	8	2
3M-SMA-0.2	RG-TA-06	32	8	0	24	0
3M-SMA-0.4	RG262.4	32	32	0	0	0
3M-SMA-0.5	RG262.4	32	8	5	19	0
3M-SMA-0.6	RG245.5	31	8	0	23	0
3M-SMA-2.6	RG245.5	31	8	0	23	0
3M-SMA-4	RG245.5	31	12	0	18	1
A-SMA-1.1	RG267.4	30	7	0	23	0
A-SMA-2	RG267.4	30	7	0	23	0
A-SMA-2.5	RG265	25	6	0	19	0
A-SMA-2.7	RG265	25	6	0	19	0
A-SMA-2.8	RG265	25	6	0	19	0
A-SMA-3	RG265	25	6	0	19	0
A-SMA-3.5	RG340	23	23	0	0	0
A-SMA-4	RG340	23	5	0	18	0
A-SMA-6	RG340	23	23	0	0	0
ACID-SMA-1.05	RG055.5	34	34	0	0	0
ACID-SMA-2	RG055.5	34	23	0	9	2

Table 6-11 (continued)

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
ACID-SMA-2.1	RG055.5	34	21	3	8	2
B-SMA-0.5	RG-TA-53	29	29	0	0	0
B-SMA-1	RG055.5	34	34	0	0	0
CDB-SMA-0.15	RG200.5	36	36	0	0	0
CDB-SMA-0.25	RG245.5	31	31	0	0	0
CDB-SMA-0.55	RG245.5	31	31	0	0	0
CDB-SMA-1	RG245.5	31	7	0	24	0
CDB-SMA-1.15	RG245.5	31	5	0	26	0
CDB-SMA-1.35	RG245.5	31	5	0	26	0
CDB-SMA-1.54	RG245.5	31	5	0	26	0
CDB-SMA-1.55	RG245.5	31	7	0	24	0
CDB-SMA-1.65	RG245.5	31	7	0	24	0
CDB-SMA-4	RG-TA-54	24	5	0	19	0
CDV-SMA-1.2	RG253	37	37	0	0	0
CDV-SMA-1.3	RG253	37	37	0	0	0
CDV-SMA-1.4	RG253	37	6	0	31	0
CDV-SMA-1.45	RG253	37	6	0	31	0
CDV-SMA-1.7	RG253	37	6	0	31	0
CDV-SMA-2	RG257	36	36	0	0	0
CDV-SMA-2.3	RG257	36	36	0	0	0
CDV-SMA-2.41	RG257	36	5	0	31	0
CDV-SMA-2.42	RG257	36	6	0	28	2
CDV-SMA-2.5	RG257	36	36	0	0	0
CDV-SMA-2.51	RG257	36	36	0	0	0
CDV-SMA-3	RG257	36	8	0	28	0
CDV-SMA-4	RG257	36	8	0	28	0
CDV-SMA-6.01	RG257	36	9	0	27	0
CDV-SMA-6.02	RG257	36	9	4	23	0
CDV-SMA-7	RG257	36	7	2	27	0
CDV-SMA-8	RG262.4	32	32	0	0	0
CDV-SMA-8.5	RG262.4	32	7	0	25	0
CDV-SMA-9.05	RG262.4	32	7	0	25	0
CHQ-SMA-0.5	RG340	23	5	0	18	0
CHQ-SMA-1.01	RG340	23	5	0	18	0

Table 6-11 (continued)

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
CHQ-SMA-1.02	RG340	23	5	0	18	0
CHQ-SMA-1.03	RG340	23	5	0	18	0
CHQ-SMA-2	RG340	23	5	0	18	0
CHQ-SMA-3.05	RG340	23	5	0	18	0
CHQ-SMA-4	RG340	23	5	0	18	0
CHQ-SMA-4.1	RG340	23	23	0	0	0
CHQ-SMA-4.5	RG340	23	23	0	0	0
CHQ-SMA-5.05	RG340	23	5	0	18	0
CHQ-SMA-6	RG340	23	5	0	18	0
CHQ-SMA-7.1	RG340	23	5	0	18	0
DP-SMA-0.3	RG038	29	29	0	0	0
DP-SMA-0.4	RG038	29	29	0	0	0
DP-SMA-0.6	RG038	29	4	0	25	0
DP-SMA-1	RG038	29	4	0	25	0
DP-SMA-2	RG038	29	4	0	25	0
DP-SMA-2.35	RG038	29	29	0	0	0
DP-SMA-3	RG038	29	4	0	25	0
DP-SMA-4	RG-TA-53	29	5	0	24	0
F-SMA-2	RG267.4	30	7	0	23	0
LA-SMA-0.85	RG121.9	33	33	0	0	0
LA-SMA-0.9	RG121.9	33	7	0	26	0
LA-SMA-1	RG121.9	33	7	0	25	1
LA-SMA-1.1	RG121.9	33	33	0	0	0
LA-SMA-1.25	RG121.9	33	33	0	0	0
LA-SMA-10.11	RG-TA-53	29	8	0	21	0
LA-SMA-10.12	RG-TA-53	29	29	0	0	0
LA-SMA-2.1	RG055.5	34	8	0	26	0
LA-SMA-2.3	RG055.5	34	34	0	0	0
LA-SMA-3.1	RG055.5	34	8	0	26	0
LA-SMA-3.9	RG055.5	34	8	0	26	0
LA-SMA-4.1	RG055.5	34	34	0	0	0
LA-SMA-4.2	RG055.5	34	8	0	26	0
LA-SMA-5.01	RG055.5	34	8	0	26	0
LA-SMA-5.02	RG055.5	34	34	0	0	0

Table 6-11 (continued)

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
LA-SMA-5.2	RG055.5	34	7	2	25	0
LA-SMA-5.31	RG038	29	6	6	17	0
LA-SMA-5.33	RG038	29	29	0	0	0
LA-SMA-5.35	RG055.5	34	34	0	0	0
LA-SMA-5.361	RG038	29	7	3	19	0
LA-SMA-5.362	RG038	29	7	0	22	0
LA-SMA-5.51	RG038	29	6	0	23	0
LA-SMA-5.52	RG038	29	6	0	23	0
LA-SMA-5.53	RG038	29	6	1	22	0
LA-SMA-5.54	RG038	29	6	0	23	0
LA-SMA-5.91	RG038	29	29	0	0	0
LA-SMA-5.92	RG038	29	6	0	23	0
LA-SMA-6.25	RG038	29	6	2	21	0
LA-SMA-6.27	RG038	29	6	0	23	0
LA-SMA-6.3	RG038	29	7	2	20	0
LA-SMA-6.31	RG038	29	7	1	21	0
LA-SMA-6.32	RG038	29	4	6	19	0
LA-SMA-6.34	RG038	29	7	0	22	0
LA-SMA-6.36	RG038	29	6	0	23	0
LA-SMA-6.38	RG038	29	7	3	19	0
LA-SMA-6.395	RG038	29	29	0	0	0
LA-SMA-6.5	RG038	29	7	0	22	0
LA-SMA-9	RG-TA-53	29	29	0	0	0
M-SMA-1	RG121.9	33	33	0	0	0
M-SMA-1.2	RG121.9	33	9	0	23	1
M-SMA-1.21	RG121.9	33	6	0	27	0
M-SMA-1.22	RG121.9	33	33	0	0	0
M-SMA-10	RG200.5	36	36	0	0	0
M-SMA-10.01	RG200.5	36	36	0	0	0
M-SMA-10.3	RG200.5	36	36	0	0	0
M-SMA-11.1	RG200.5	36	7	4	25	0
M-SMA-12	RG200.5	36	36	0	0	0
M-SMA-12.5	RG203	31	6	11	14	0
M-SMA-12.6	RG203	31	31	0	0	0



Table 6-11 (continued)

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
M-SMA-12.7	RG203	31	6	5	20	0
M-SMA-12.8	RG203	31	6	0	25	0
M-SMA-12.9	RG203	31	31	0	0	0
M-SMA-12.92	RG203	31	6	0	25	0
M-SMA-13	RG203	31	31	0	0	0
M-SMA-3	RG-TA-06	32	6	0	26	0
M-SMA-3.1	RG-TA-06	32	6	0	26	0
M-SMA-3.5	RG200.5	36	8	0	28	0
M-SMA-4	RG200.5	36	36	0	0	0
M-SMA-5	RG200.5	36	8	0	28	0
M-SMA-6	RG200.5	36	36	0	0	0
M-SMA-7	RG200.5	36	36	0	0	0
M-SMA-7.9	RG200.5	36	36	0	0	0
M-SMA-9.1	RG200.5	36	7	0	29	0
P-SMA-0.3	RG-TA-53	29	29	0	0	0
P-SMA-1	RG038	29	7	0	22	0
P-SMA-2	RG038	29	29	0	0	0
P-SMA-2.15	RG038	29	7	3	19	0
P-SMA-2.2	RG038	29	7	0	22	0
P-SMA-3.05	RG055.5	34	34	0	0	0
PJ-SMA-1.05	RG240	37	7	0	30	0
PJ-SMA-10	RG-TA-06	32	8	0	24	0
PJ-SMA-11	RG-TA-06	32	8	0	24	0
PJ-SMA-11.1	RG-TA-06	32	8	0	24	0
PJ-SMA-13	RG245.5	31	7	0	24	0
PJ-SMA-13.7	RG245.5	31	8	0	23	0
PJ-SMA-14	RG245.5	31	7	0	24	0
PJ-SMA-14.2	RG245.5	31	7	0	24	0
PJ-SMA-14.3	RG245.5	31	7	3	21	0
PJ-SMA-14.4	RG245.5	31	7	0	24	0
PJ-SMA-14.6	RG245.5	31	7	0	24	0
PJ-SMA-14.8	RG245.5	31	31	0	0	0
PJ-SMA-16	RG-TA-54	24	24	0	0	0
PJ-SMA-17	RG-TA-54	24	24	0	0	0

Table 6-11 (continued)

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
PJ-SMA-18	RG-TA-54	24	5	0	19	0
PJ-SMA-19	RG-TA-54	24	5	0	19	0
PJ-SMA-2	RG253	37	8	0	29	0
PJ-SMA-20	RG-TA-54	24	24	0	0	0
PJ-SMA-3.05	RG257	36	8	0	28	0
PJ-SMA-4.05	RG257	36	36	0	0	0
PJ-SMA-5	RG-TA-06	32	7	0	25	0
PJ-SMA-5.1	RG-TA-06	32	7	0	25	0
PJ-SMA-6	RG-TA-06	32	32	0	0	0
PJ-SMA-7	RG-TA-06	32	8	4	20	0
PJ-SMA-8	RG-TA-06	32	8	0	24	0
PJ-SMA-9	RG-TA-06	32	8	0	24	0
Pratt-SMA-1.05	RG200.5	36	36	0	0	0
PT-SMA-0.5	RG262.4	32	8	0	24	0
PT-SMA-1	RG262.4	32	12	0	19	1
PT-SMA-1.7	RG262.4	32	7	3	22	0
PT-SMA-2	RG262.4	32	7	4	21	0
PT-SMA-2.01	RG262.4	32	7	2	23	0
PT-SMA-3	RG267.4	30	7	0	23	0
PT-SMA-4.2	RG267.4	30	7	6	17	0
R-SMA-0.5	RG-NCOM	38	38	0	0	0
R-SMA-1	RG-NCOM	38	38	0	0	0
R-SMA-1.95	RG038	29	7	0	22	0
R-SMA-2.05	RG-NCOM	38	8	0	30	0
R-SMA-2.3	RG038	29	29	0	0	0
R-SMA-2.5	RG038	29	6	3	20	0
S-SMA-0.25	RG121.9	33	33	0	0	0
S-SMA-1.1	RG121.9	33	33	0	0	0
S-SMA-2	RG121.9	33	33	0	0	0
S-SMA-2.01	RG121.9	33	33	0	0	0
S-SMA-2.8	RG121.9	33	8	0	25	0
S-SMA-3.51	RG121.9	33	8	0	25	0

Table 6-11 (continued)

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
S-SMA-3.52	RG121.9	33	8	0	25	0
S-SMA-3.53	RG121.9	33	33	0	0	0
S-SMA-3.6	RG121.9	33	33	0	0	0
S-SMA-3.7	RG203	31	7	0	24	0
S-SMA-3.71	RG203	31	7	3	21	0
S-SMA-3.72	RG203	31	31	0	0	0
S-SMA-3.95	RG203	31	31	0	0	0
S-SMA-4.1	RG-TA-53	29	29	0	0	0
S-SMA-4.5	RG203	31	7	0	24	0
S-SMA-5	RG-TA-53	29	8	0	21	0
S-SMA-5.2	RG-TA-53	29	7	0	22	0
S-SMA-5.5	RG-TA-53	29	29	0	0	0
S-SMA-6	RG-TA-53	29	13	0	14	2
STRM-SMA-1.05	RG240	37	37	0	0	0
STRM-SMA-1.5	RG240	37	7	0	30	0
STRM-SMA-4.2	RG240	37	15	1	19	2
STRM-SMA-5.05	RG240	37	37	0	0	0
T-SMA-1	RG200.5	36	7	0	29	0
T-SMA-2.5	RG200.5	36	8	0	28	0
T-SMA-2.85	RG200.5	36	36	0	0	0
T-SMA-3	RG200.5	36	36	0	0	0
T-SMA-4	RG200.5	36	36	0	0	0
T-SMA-5	RG200.5	36	7	0	29	0
T-SMA-6.8	RG200.5	36	36	0	0	0
T-SMA-7	RG200.5	36	15	0	20	1
T-SMA-7.1	RG200.5	36	8	0	28	0
W-SMA-1	RG253	37	7	0	30	0
W-SMA-1.5	RG253	37	11	0	25	1
W-SMA-10	RG257	36	36	0	0	0
W-SMA-11.7	RG262.4	32	6	0	26	0
W-SMA-12.05	RG262.4	32	6	2	24	0
W-SMA-14.1	RG262.4	32	32	0	0	0
W-SMA-15.1	RG262.4	32	6	0	26	0
W-SMA-2.05	RG253	37	7	0	30	0

**Table 6-11 (continued)**

SMA	Associated Rain Gage	Number of 24-h Precipitation Events Exceeding 0.1 in.	Number of Precipitation Events Monitoring not Required	Number of Precipitation Events Monitoring Required		
				Sampling Equipment Inoperable	Sampling Equipment Operable	Sample Collected
W-SMA-3.5	RG257	36	5	0	31	0
W-SMA-4.1	RG257	36	5	0	31	0
W-SMA-5	RG257	36	36	0	0	0
W-SMA-6	RG257	36	8	0	28	0
W-SMA-7	RG257	36	5	0	31	0
W-SMA-7.8	RG257	36	5	0	31	0
W-SMA-7.9	RG257	36	5	0	31	0
W-SMA-8	RG257	36	5	1	30	0
W-SMA-8.7	RG257	36	36	0	0	0
W-SMA-8.71	RG257	36	5	0	31	0
W-SMA-9.05	RG257	36	36	0	0	0
W-SMA-9.5	RG257	36	14	0	21	1
W-SMA-9.7	RG257	36	36	0	0	0
W-SMA-9.8	RG257	36	8	0	28	0
W-SMA-9.9	RG257	36	8	0	28	0

**Table 7-1  
Inactive Samplers during Construction Activities**

SMA	Compliance Status Report Comment	Date of Rain Events Exceeding 0.1 in. in 24 h during Periods of Inoperability	Rainfall Intensity/Total (in.)
S-SMA-3.52	The sampler was inactivated from 6/28/2017 to 08/07/2017 while construction activities in the area were ongoing (Inoperable 40 d).	07/08/2017 07/12/2017 07/18/2017 07/26/2017 07/27/2017 07/29/2017 07/31/2017 08/07/2017	0.16/0.17 0.08/0.15 0.21/0.29 0.99/0.99 0.10/0.21 0.33/0.47 0.05/0.12 0.18/0.26

**Table 7-2  
Minor Sampler Location Adjustments**

<b>SMA</b>	<b>Station Number</b>	<b>Location ID</b>	<b>Effective Date</b>	<b>Reason for Sampler Location Move</b>	<b>Monitoring Suite Following Sampler Move</b>	<b>Sample Collected Since Move?</b>
3M-SMA-0.6	SS171507	3M-SMA-0.6 at SS171507	11/03/2017	Representative sampling location	Appendix B monitoring suite	No
ACID-SMA-2	SS170106	ACID-SMA-2 at SS170106	04/05/2017	Representative sampling location	Appendix B monitoring suite	Yes
DP-SMA-1	SS171908	DP-SMA-1 at SS171908	04/10/2017	Representative sampling location	Appendix B monitoring suite	No
LA-SMA-2.1	SS170148	LA-SMA-2.1 at SS170148	08/09/2017	Representative sampling location	Appendix B monitoring suite	No
M-SMA-3.5	SS171239	M-SMA-3.5 at SS171239	04/04/2017	Representative sampling location	Appendix B monitoring suite	No
M-SMA-5	SS171241	M-SMA-5 at SS171241	04/05/2017	Representative sampling location	Appendix B monitoring suite	No
PJ-SMA-10	SS172345	PJ-SMA-10 at SS172345	04/10/2017	Representative sampling location	Appendix B monitoring suite	No
PJ-SMA-3.05	SS172343	PJ-SMA-3.05 at SS172343	04/05/2017	Representative sampling location	Appendix B monitoring suite	No
PT-SMA-1	SS174821	PT-SMA-1 at SS174821	04/05/2017	Representative sampling location	Appendix B monitoring suite	Yes
S-SMA-3.52	SS171642	S-SMA-3.52 at SS171642	08/10/2017	Representative sampling location	Appendix B monitoring suite	No
S-SMA-6	SS171637	S-SMA-6 at SS171637	04/05/2017	Representative sampling location	Appendix B monitoring suite	Yes
STRM-SMA-4.2	SS173009	STRM-SMA-4.2 at SS173009	04/10/2017	Representative sampling location	Appendix B monitoring suite	Yes
T-SMA-2.5	SS173720	T-SMA-2.5 at SS173720	04/10/2017	Representative sampling location	Appendix B monitoring suite	No
T-SMA-7.1	SS173724	T-SMA-7.1 at SS173724	04/10/2017	Representative sampling location	Appendix B monitoring suite	No
W-SMA-6	SS173944	W-SMA-6 at SS173944	04/10/2017	Representative sampling location	Appendix B monitoring suite	No
W-SMA-9.5	SS173945	W-SMA-9.5 at SS173945	04/05/2017	Representative sampling location	Appendix B monitoring suite	Yes
W-SMA-9.8	SS173946	W-SMA-9.8 at SS173946	04/05/2017	Representative sampling location	Appendix B monitoring suite	No

**Table 7-3  
Summary of SDPPP Changes Completed from January 1 to December 31, 2017**

Description of Type Change to SDPPP	Number of Changes to SDPPP Volumes for January 1 - December 31, 2017, 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	90	62	42	25	24	243
Add New Control - Additional Control - Augmenting Existing/Baseline Control	23	19	4	5	13	64
Add New Control - Additional Control - Routine/Replacement Control	8	10	5	3	1	27
Retire Control - Damaged and/or Replaced Control	50	40	24	8	2	124
Retire Control - Lifecycle Expired Control	25	12	13	5	1	56
Add New Control - Enhanced Control	0	0	0	1	0	1
Edits or changes to SDPPP reference documents	0	0	0	0	0	0
Edit or changes to procedure documents included in SDPPP	2	2	2	2	2	2
SDPPP updates to Site descriptions	5	5	5	5	5	25
Certificate of Completion Issued for SWMU or AOC	10	0	0	0	0	10
Minor Sampler Adjustments, with Updates to Coordinates in Attachment D	3	11	9	4	0	27
SMA Boundary Modifications	59	32	26	11	22	150
Site Boundary Modifications	0	0	0	0	4	4
Miscellaneous edit or correction to SDPPP text	5	5	5	5	5	25
<b>Total Changes</b>	<b>281</b>	<b>194</b>	<b>133</b>	<b>72</b>	<b>79</b>	<b>759</b>

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

<b>Compliance Phase</b>	<b>Permit Section(s)</b>	<b>Description</b>	<b>Milestone</b>
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.	12/01/2010  05/30/2011
	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.	
	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.	
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.	10/31/2011  04/30/2012
	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.	
	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.	
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 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	<p>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.</p> <p>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.</p>	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 I, 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 one 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	Number of SMAs	Compliance Status Category	Number of SMA/Site Combinations*	Status as of December 31, 2017
Baseline	97	Baseline Monitoring Extended (MEx)	132	Baseline monitoring is extended until one confirmation sample can be collected.
		Baseline Confirmation Complete (BCComp or <TAL)	13	All baseline confirmation monitoring results are less than TALs. No further confirmation monitoring is required.
Corrective Action	153	Enhanced Control Monitoring (CAM or CAM2)	107	Enhanced control monitoring continues until at least two samples are collected.
		Corrective Action Complete (CACompA)	2	CACompA – Corrective action is complete with a certification that all pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).
		Corrective Action Complete (CACompC)	6	CACompC – Corrective action is complete with a certification that no pollutants are exposed to storm water per IP Part I.E.2(c).
		Corrective Action Complete Investigation (CACompC–Inv)	9	CACompC–Inv – Collect one sample per IP Part I.E.1(b) following certification of completion of corrective action that no pollutants are exposed to storm water.
		Corrective Action Complete (CACompD)	66	CACompD – Corrective action is complete with a certification that a 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 per IP Part I.E.2(d).
		Alternative Compliance Requested (AltCompR)	90	A request for alternative compliance for the Site is pending.
		Alternative Compliance Approved (AltCompA)	2	EPA approved the request for alternative compliance for the Site.
		Alt Compliance (S6B)	5	Requests for alternative compliance for the Site will be made.
		Deletion of Site (DelSiteR)	12	A request for deletion of the Site from the Permit is pending.
		FM COC Requested (FMCOCC)	11	A request for an extension resulting from a force majeure event is pending. NMED approval of supplemental investigation reports and certificates of completion are required to complete corrective action.
		Alternatives Analysis (S7)	9	The SMA is being evaluated for a corrective action recommendation.
Corrective Action Complete (CACompA) - In Process	4	CACompA – Certification in process that all pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).		

\* Several SMA/Site combinations are counted in more than one active compliance status category resulting in 468 SMA/Site combinations as of December 31, 2017.

**Table 8-3  
Site-Specific Compliance Status**

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
R001	R-SMA-0.5	12/16/2010	08/03/2012	09/12/2012	CAI <sup>a</sup>	C-00-020	MPS <sup>b</sup>	CACompD <sup>c</sup>	11/29/2012	n/a <sup>d</sup>	11/29/2012
								DelSiteR <sup>e</sup>	10/14/2015	— <sup>f</sup>	—
R002	R-SMA-1	05/16/2011	08/19/2011	10/13/2011	CAI	C-00-041	MPS	CACompD	03/06/2017	n/a	03/06/2017
R003	R-SMA-1.95	12/16/2010	08/19/2011	05/01/2012	CAI	00-015	MPS	CAM <sup>g</sup>	09/25/2014	In Process	—
R004	R-SMA-2.05	12/01/2010	—	—	—	00-011(c)	MPS	DelSiteR	10/14/2015	—	—
			In Process	—	—	00-011(c)	MPS	MEx <sup>h</sup>	10/31/2011	—	—
R005	R-SMA-2.3	12/01/2010	06/14/2013	—	<TAL <sup>i</sup>	00-011(e)	MPS	BCComp <sup>j</sup>	07/23/2013	—	—
R006	R-SMA-2.5	12/16/2010	In Process	—	—	00-011(a)	MPS	MEx	04/30/2012	—	—
B001	B-SMA-0.5	12/16/2010	09/13/2013	10/30/2013	CAI	10-001(a)	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-001(b)	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-001(c)	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-001(d)	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-004(a)	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-004(b)	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-008	MPS	CACompD	04/27/2017	n/a	04/27/2017
					CAI	10-009	MPS	CACompD	04/27/2017	n/a	04/27/2017
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	BCComp	11/01/2011	—	—
P002	ACID-SMA-2	12/01/2010	08/19/2011	11/03/2011	CAI	01-002(b)-00	MPS	CAM	10/14/2016	In Process	—
					CAI	45-001	MPS	CACompD	03/07/2013	n/a	03/07/2013
					CAI	45-002	MPS	CACompD	03/07/2013	n/a	03/07/2013
					CAI	45-004	MPS	CACompD	03/07/2013	n/a	03/07/2013
				01/15/2018	CAI2	01-002(b)-00	MPS	S6B <sup>k</sup>	In Process	n/a	In Process
P002A	ACID-SMA-2.01	12/16/2010	In Process	—	—	00-030(f)	MPS	MEx	04/30/2012	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
P003	ACID-SMA-2.1	12/01/2010	08/03/2012	P003	CAI	01-002(b)-00	MPS	CAM	10/14/2016	In Process	—
					CAI2	01-002(b)-00	MPS	S6B	In Process	n/a	In Process
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 <sup>L</sup>	MEx	10/31/2011	—	—
					—	73-004(d)	HPS	MEx	10/31/2011	—	—
P006	P-SMA-2	12/01/2010	09/05/2014	10/14/2014	CAI	73-002	MPS	CACompD	04/16/2015	n/a	04/16/2015
					CAI	73-006	MPS	CACompD	04/16/2015	n/a	04/16/2015
P007	P-SMA-2.15	12/16/2010	In Process	—	—	31-001	MPS	MEx	04/30/2012	—	—
P008	P-SMA-2.2	05/16/2011	In Process	—	—	00-019	HPS	MEx	04/30/2012	—	—
P009	P-SMA-3.05	12/16/2010	09/13/2013	10/22/2013	CAI	00-018(a)	HPS	CACompD	04/16/2015	n/a	04/16/2015
L001	LA-SMA-0.85	12/01/2010	08/14/2011	10/07/2011	CAI	03-055(c)	MPS	CAM	10/23/2012	06/24/2013	—
				06/24/2013	CAI2 <sup>m</sup>	03-055(c)	MPS	AltCompR <sup>n</sup>	05/06/2015	—	—
L002	LA-SMA-0.9	12/16/2010	In Process	—	—	00-017	MPS	MEx	04/30/2012	—	—
					—	C-00-044	MPS	MEx	04/30/2012	—	—
L003	LA-SMA-1	12/16/2010	08/19/2011	04/30/2012	CAI	00-017	MPS	CAM	11/27/2012	10/08/2014	—
					CAI	C-00-044	MPS	CAM	11/27/2012	10/08/2014	—
				10/08/2014	CAI2	00-017	MPS	CACompC <sup>o</sup>	09/29/2015	n/a	09/29/2015
					CAI2	C-00-044	MPS	AltCompR	05/06/2015	—	—
L004	LA-SMA-1.1	12/16/2010	08/19/2011	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	CAM	08/30/2012	11/15/2012	—
				11/15/2012	CAI2	C-43-001	MPS	AltCompR	05/06/2015	—	—
L006	LA-SMA-2.1	05/16/2011	09/13/2013	11/03/2013	CAI	01-001(f)	HPS	CAM	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	MEx	10/31/2011	—	—
					—	01-003(a)	HPS	MEx	10/31/2011	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
L009	LA-SMA-3.9	12/16/2010	In Process	—	—	01-001(g)	MPS	MEx	04/30/2012	—	—
					—	01-006(a)	MPS	MEx	04/30/2012	—	—
L010	LA-SMA-4.1	12/01/2010	09/04/2011	11/08/2011	CAI	01-003(b)	MPS	AltCompR	05/06/2015	—	—
					CAI	01-006(b)	MPS	AltCompR	05/06/2015	—	—
L011	LA-SMA-4.2	12/01/2010	In Process	—	—	01-001(c)	MPS	MEx	10/31/2011	—	—
					—	01-006(c)	MPS	MEx	10/31/2011	—	—
					—	01-006(d)	MPS	MEx	10/31/2011	—	—
L012	LA-SMA-5.01	12/16/2010	In Process	—	—	01-001(d)	HPS	MEx	04/30/2012	—	—
					—	01-006(h)	HPS	MEx	04/30/2012	—	—
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	MEx	04/30/2012	—	—
L014	LA-SMA-5.35	12/01/2010	09/07/2011	10/27/2011	CAI	C-41-004	MPS	CAM	11/27/2012	10/20/2014	—
				10/20/2014	CAI2	C-41-004	MPS	AltCompR	05/06/2015	—	—
L015	LA-SMA-5.31	12/16/2010	08/19/2011	04/30/2012	CAI	41-002(c)	MPS	CAM	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
L017	LA-SMA-5.361	04/28/2011	In Process	—	—	32-002(b1)	MPS	MEx	04/30/2012	—	—
					—	32-002(b2)	MPS	MEx	04/30/2012	—	—
L017A	LA-SMA-5.362	04/28/2011	In Process	—	—	32-003	MPS	MEx	04/30/2012	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
L018	LA-SMA-5.51	04/28/2011	07/12/2013	08/21/2013	CAI	02-003(a)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-003(e)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-004(a)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-005	HPS	CAM	06/26/2014	In Process	—
					CAI	02-006(b)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-006(c)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-006(d)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-006(e)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-008(a)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-009(b)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-011(a)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-011(b)	HPS	CAM	06/26/2014	In Process	—
					CAI	02-011(c)	HPS	CAM	06/26/2014	In Process	—
CAI	02-011(d)	HPS	CAM	06/26/2014	In Process	—					
L018A	LA-SMA-5.52	04/28/2011	07/29/2014	10/20/2014	CAI	02-003(b)	HPS	CAM	10/28/2015	In Process	—
					CAI	02-007	HPS	CAM	10/28/2015	In Process	—
					CAI	02-008(c)	HPS	CAM	10/28/2015	In Process	—
L018B	LA-SMA-5.53	04/28/2011	In Process	—	—	02-009(a)	HPS	MEx	04/30/2012	—	—
L018C	LA-SMA-5.54	04/28/2011	09/13/2013	11/03/2013	CAI	02-009(c)	HPS	CAM	09/25/2014	In Process	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
L019	LA-SMA-5.91	12/01/2010	09/07/2011	10/31/2011	CAI	21-009	MPS	CAM	07/08/2013	08/25/2014	—
					CAI	21-021	MPS	CAM	07/08/2013	08/25/2014	—
					CAI	21-023(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012
					CAI	21-027(d)	MPS	CAM	07/08/2013	08/25/2014	—
				08/21/2014	CAI2	21-009	MPS	CACompD	03/06/2017	n/a	03/06/2017
					CAI2	21-021	MPS	AltCompR	05/06/2015	—	—
					CAI2	21-027(d)	MPS	FMCOCP	01/19/2016	—	—
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
					CAI	21-013(b)	MPS	CAM	10/28/2015	In Process	—
					CAI	21-013(g)	MPS	CACompD	11/22/2013	n/a	11/22/2013
					CAI	21-018(a)	MPS	CACompD	11/22/2013	n/a	11/22/2013
					CAI	21-021	MPS	CAM	10/28/2015	In Process	—
L020	LA-SMA-6.25	12/01/2010	In Process	—	—	21-021	MPS	MEx	10/31/2011	—	—
					—	21-024(d)	MPS	MEx	10/31/2011	—	—
					—	21-027(c)	MPS	MEx	10/31/2011	—	—
L021	LA-SMA-6.27	12/01/2010	In Process	—	—	21-021	MPS	MEx	10/31/2011	—	—
					—	21-027(c)	MPS	MEx	10/31/2011	—	—
L022	LA-SMA-6.3	12/16/2010	In Process	—	—	21-006(b)	MPS	MEx	04/30/2012	—	—
L022A	LA-SMA-6.31	12/16/2010	In Process	—	—	21-027(a)	MPS	MEx	04/30/2012	—	—
L023	LA-SMA-6.32	12/16/2010	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
L024	LA-SMA-6.34	12/16/2010	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
					—	21-022(h)	MPS	MEx	04/30/2012	—	—
L025	LA-SMA-6.36	12/16/2010	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
					—	21-024(a)	MPS	MEx	04/30/2012	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
L026	LA-SMA-6.38	12/16/2010	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
					—	21-024(c)	MPS	MEx	04/30/2012	—	—
L027	LA-SMA-6.395	12/16/2010	09/13/2013	10/25/2013	CAI	21-021	MPS	AltCompR	05/06/2015	—	—
					CAI	21-024(j)	MPS	CACompD	03/06/2017	n/a	03/06/2017
L028	LA-SMA-6.5	12/16/2010	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
					—	21-024(i)	HPS	MEx	04/30/2012	—	—
L029	LA-SMA-9	04/28/2011	08/10/2014	09/17/2014	CAI	26-001	MPS	AltCompR	05/06/2015	—	—
					CAI	26-002(a)	MPS	AltCompR	05/06/2015	—	—
					CAI	26-002(b)	MPS	AltCompR	05/06/2015	—	—
					CAI	26-003	MPS	AltCompR	05/06/2015	—	—
L030	LA-SMA-10.11	12/16/2010	In Process	—	—	53-002(a)	MPS	MEx	04/30/2012	—	—
L030A	LA-SMA-10.12	05/16/2011	09/01/2011	05/01/2012	CAI	53-008	MPS	CAM	11/30/2012	10/27/2015	—
				10/27/2015	CAI2	53-008	MPS	CACompA <sup>q</sup>	03/04/2016	n/a	03/04/2016
D001	DP-SMA-0.3	04/28/2011	08/19/2011	05/01/2012	CAI	21-029	MPS	CAM	07/08/2013	10/30/2013	—
				10/30/2013	CAI2	21-029	MPS	CACompD	03/06/2017	n/a	03/06/2017
D002	DP-SMA-0.4	12/16/2010	09/13/2013	10/26/2013	CAI	21-021	MPS	AltCompR	05/06/2015	—	—
D003	DP-SMA-0.6	04/28/2011	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
					—	21-024(l)	MPS	MEx	04/30/2012	—	—
D004	DP-SMA-1	12/16/2010	In Process	—	—	21-011(k)	MPS	MEx	04/30/2012	—	—
					—	21-021	MPS	MEx	04/30/2012	—	—
D005	DP-SMA-2	12/01/2010	In Process	—	—	21-021	MPS	MEx	10/31/2011	—	—
					—	21-024(h)	MPS	MEx	10/31/2011	—	—
D006	DP-SMA-2.35	12/16/2010	09/13/2013	10/30/2013	CAI	21-021	MPS	AltCompR	05/06/2015	—	—
					CAI	21-024(n)	MPS	AltCompR	05/06/2015	—	—



Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
D007	DP-SMA-3	02/11/2011	07/29/2011	05/01/2012	CAI	21-013(c)	MPS	CACompD	03/06/2017	n/a	03/06/2017
					CAI	21-021	MPS	CAM	08/30/2012	In Process	—
D008	DP-SMA-4	12/16/2010	In Process	—	—	21-021	MPS	MEx	04/30/2012	—	—
S001	S-SMA-0.25	12/01/2010	08/15/2011	10/20/2011	CAI	03-013(a)	HPS	CAM	06/26/2014	11/03/2014	—
					CAI	03-052(f)	HPS	CAM	06/26/2016	11/03/2014	—
				11/03/2014	CAI2	03-013(a)	HPS	CACompC	09/29/2015	n/a	09/29/2015
					CAI2	03-052(f)	HPS	FMCOCC	09/10/2015	—	—
S002	S-SMA-1.1	05/16/2011	08/04/2011	11/02/2011	CAI	03-029	HPS	CAM	11/27/2012	10/07/2014	—
				10/07/2014	CAI2	03-029	HPS	FMCOCC	09/23/2013	—	—
S003	S-SMA-2	12/01/2010	08/13/2011	10/20/2011	CAI	03-012(b)	HPS	CAM	07/08/2013	09/10/2013	—
					CAI	03-045(b)	HPS	CAM	07/08/2013	09/10/2013	—
					CAI	03-045(c)	HPS	CAM	07/08/2013	09/10/2013	—
					CAI	03-056(c)	HPS	CACompD	11/29/2012	n/a	11/29/2012
				09/10/2013	CAI2	03-012(b)	HPS	FMCOCC	09/23/2013	—	—
					CAI2	03-045(b)	HPS	AltCompA <sup>r</sup>	09/10/2013	—	—
					CAI2	03-045(b)	HPS	DelSiteR	10/21/2015	—	—
					CAI2	03-045(c)	HPS	AltCompA	09/10/2013	—	—
CAI2	03-045(c)	HPS	DelSiteR	10/21/2015	—	—					
S003A	S-SMA-2.01	12/16/2010	09/07/2011	11/02/2011	CAI	03-052(b)	HPS	FMCOCC	09/23/2013	—	—
S004	S-SMA-2.8	12/16/2010	In Process	—	—	03-014(c2)	MPS	MEx	04/30/2012	—	—
S005	S-SMA-3.51	12/16/2010	In Process	—	—	03-009(i)	HPS	MEx	04/30/2012	—	—
S005A	S-SMA-3.52	12/16/2010	In Process	—	—	03-021	HPS	MEx	04/30/2012	—	—
S005B	S-SMA-3.53	12/16/2010	08/04/2011	04/30/2012	CAI	03-014(b2)	HPS	CAM	05/02/2013	08/18/2014	—
				08/18/2014	CAI2	03-014(b2)	HPS	FMCOCC	09/23/2013	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
S006	S-SMA-3.6	12/01/2010	08/13/2011	10/20/2011	CAI	60-007(b)	HPS	CAM	11/27/2012	08/13/2013	—
				08/13/2013	CAI2	60-007(b)	HPS	FMCOCC	09/23/2013	—	—
S007	S-SMA-3.7	12/16/2010	In Process	—	—	53-012(e)	MPS	MEx	04/30/2012	—	—
S008	S-SMA-3.71	12/16/2010	In Process	—	—	53-001(a)	MPS	MEx	04/30/2012	—	—
S009	S-SMA-3.72	12/16/2010	07/20/2015	08/28/2015	CAI	53-001(b)	MPS	CACompD	10/29/2015	n/a	10/29/2015
S010	S-SMA-3.95	05/16/2011	09/13/2013	10/25/2013	CAI	20-002(a)	MPS	AltCompR	05/06/2015	—	—
S011	S-SMA-4.1	12/16/2010	09/01/2011	11/02/2011	CAI	53-014	HPS	CACompD	10/29/2015	n/a	8/20/2013
S012	S-SMA-4.5	05/16/2011	In Process	—	—	20-002(d)	MPS	MEx	04/30/2012	—	—
S013	S-SMA-5	05/16/2011	In Process	—	—	20-002(c)	HPS	MEx	04/30/2012	—	—
S014	S-SMA-5.2	12/16/2010	In Process	—	—	20-003(c)	MPS	MEx	04/30/2012	—	—
S015	S-SMA-5.5	05/16/2011	07/31/2014	09/11/2014	CAI	20-005	MPS	AltCompR	05/06/2015	—	—
S016	S-SMA-6	05/16/2011	08/19/2011	11/02/2011	CAI	72-001	HPS	CAM	10/15/2015	07/27/2016	—
				07/27/2016	CAI2	72-001	HPS	CAM	07/27/2016	—	—
				01/16/2018	CAI3	72-001	HPS	S7 <sup>s</sup>	09/29/2017	—	—
C001	CDB-SMA-0.15	12/01/2010	07/20/2015	08/25/2015	CAI	04-003(a)	MPS	AltCompR	02/26/2016	—	—
					CAI	04-004	MPS	AltCompR	02/26/2016	—	—
C002	CDB-SMA-0.25	12/01/2010	09/01/2011	11/02/2011	CAI	46-004(c2)	MPS	CAM	07/20/2012	10/22/2013	—
					CAI	46-004(e2)	MPS	CAM	07/20/2012	10/22/2013	—
					10/22/2013	CAI2	46-004(c2)	MPS	AltCompR	05/06/2015	—
					CAI2	46-004(e2)	MPS	AltCompR	05/06/2015	—	—
C003	CDB-SMA-0.55	01/12/2011	09/13/2013	10/25/2013	CAI	46-004(g)	MPS	AltCompR	05/06/2015	—	—
					CAI	46-004(m)	MPS	CACompD	11/22/2013	n/a	11/22/2013
					CAI	46-004(s)	MPS	AltCompR	05/06/2015	—	—
					CAI	46-006(f)	MPS	AltCompR	05/06/2015	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
C004	CDB-SMA-1	01/12/2011	09/07/2011	04/30/2012	CAI	46-003(c)	MPS	CAM	07/30/2012	11/05/2013	—
					CAI	46-004(d2)	MPS	CAM	07/30/2012	11/05/2013	—
					CAI	46-004(f)	MPS	CAM	07/30/2012	11/05/2013	—
					CAI	46-004(t)	MPS	CAM	07/30/2012	11/05/2013	—
					CAI	46-004(w)	MPS	CAM	07/30/2012	11/05/2013	—
					CAI	46-008(g)	MPS	CAM	07/30/2012	11/05/2013	—
					CAI	46-009(a)	MPS	CAM	07/30/2012	11/05/2013	—
				CAI	C-46-001	MPS	CACompD	11/29/2012	n/a	11/29/2012	
				11/05/2013	CAI2	46-003(c)	MPS	CAM2 <sup>t</sup>	09/04/2015	In Process	—
					CAI2	46-004(d2)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	46-004(f)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	46-004(t)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	46-004(w)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	46-008(g)	MPS	CAM2	09/04/2015	In Process	—
CAI2	46-009(a)	MPS	CAM2		09/04/2015	In Process	—				
CAI2	C-46-001	MPS	DelSiteR	10/14/2015	—	—					
C005	CDB-SMA-1.15	12/01/2010	In Process	—	—	46-004(b)	MPS	MEx	10/31/2011	—	—
					—	46-004(y)	MPS	MEx	10/31/2011	—	—
					—	46-004(z)	MPS	MEx	10/31/2011	—	—
					—	46-006(d)	MPS	MEx	10/31/2011	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
C006	CDB-SMA-1.35	12/01/2010	In Process	—	—	46-004(a2)	MPS	MEx	10/31/2011	—	—
					—	46-004(u)	MPS	MEx	10/31/2011	—	—
					—	46-004(v)	MPS	MEx	10/31/2011	—	—
					—	46-004(x)	MPS	MEx	10/31/2011	—	—
					—	46-006(d)	MPS	MEx	10/31/2011	—	—
					—	46-008(f)	MPS	MEx	10/31/2011	—	—
C007	CDB-SMA-1.54	12/01/2010	In Process	—	—	46-004(h)	MPS	MEx	10/31/2011	—	—
					—	46-004(q)	MPS	MEx	10/31/2011	—	—
					—	46-006(d)	MPS	MEx	10/31/2011	—	—
C008	CDB-SMA-1.55	12/01/2010	In Process	—	—	46-003(e)	MPS	MEx	10/31/2011	—	—
C009	CDB-SMA-1.65	12/01/2010	In Process	—	—	46-003(b)	MPS	MEx	10/31/2011	—	—
C010	CDB-SMA-4	12/16/2010	07/25/2013	08/27/2013	CAI	54-017	HPS	CACompC-Inv	08/27/2014	n/a	08/27/2014
					CAI	54-018	HPS	CACompC-Inv	08/27/2014	n/a	08/27/2014
					CAI	54-020	HPS	CACompC-Inv	08/27/2014	n/a	08/27/2014
M001	M-SMA-1	12/01/2010	09/07/2011	11/02/2011	CAI	03-050(a)	MPS	CAM	11/27/2012	08/13/2013	—
					CAI	03-054(e)	MPS	CAM	11/27/2012	08/13/2013	—
				08/13/2013	CAI2	03-050(a)	MPS	AltCompR	05/06/2015	—	—
					CAI2	03-054(e)	MPS	AltCompR	05/06/2015	—	—
M002	M-SMA-1.2	12/16/2010	09/13/2013	10/30/2013	CAI	03-049(a)	MPS	CAM	09/25/2014	09/29/2017	—
				01/16/2018	CAI2	03-049(a)	MPS	S7	—	—	—
M002A	M-SMA-1.21	12/16/2010	In Process	—	—	03-049(e)	MPS	MEx	04/30/2012	—	—
M002B	M-SMA-1.22	02/11/2011	09/15/2011	05/01/2012	CAI	03-045(h)	MPS	CAM	05/02/2013	10/20/2014	—
				10/20/2014	CAI2	03-045(h)	MPS	AltCompR	05/06/2015	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
M003	M-SMA-3	05/16/2011	07/12/2013	08/13/2013	CAI	48-001	MPS	AltCompR	05/06/2015	—	—
					CAI	48-005	MPS	CAM	10/15/2015	In Process	—
					CAI	48-007(c)	MPS	AltCompR	05/06/2015	—	—
M004	M-SMA-3.1	12/16/2010	In Process	—	—	48-001	MPS	MEx	04/30/2012	—	—
					—	48-007(b)	MPS	MEx	04/30/2012	—	—
M005	M-SMA-3.5	05/16/2011	In Process	—	—	48-001	MPS	MEx	04/30/2012	—	—
					—	48-003	HPS	MEx	04/30/2012	—	—
M006	M-SMA-4	12/01/2010	08/19/2011	10/31/2011	CAI	48-001	MPS	AltCompR	05/06/2015	—	—
					CAI	48-005	MPS	CACompC	09/29/2015	n/a	09/29/2015
					CAI	48-007(a)	MPS	CACompD	11/29/2012	n/a	11/29/2012
					CAI	48-007(d)	MPS	CACompD	11/29/2012	n/a	11/29/2012
					CAI	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	MEx	04/30/2012	—	—
					—	42-001(b)	MPS	MEx	04/30/2012	—	—
					—	42-001(c)	MPS	MEx	04/30/2012	—	—
					—	42-002(a)	MPS	MEx	04/30/2012	—	—
					—	42-002(b)	MPS	MEx	04/30/2012	—	—
M008	M-SMA-6	12/16/2010	10/12/2012	11/15/2012	CAI	35-016(h)	MPS	AltCompR	05/06/2015	—	—
M009	M-SMA-7	12/16/2010	07/07/2012	08/22/2012	CAI	35-016(g)	MPS	AltCompR	05/06/2015	—	—
M010	M-SMA-7.9	12/16/2010	09/13/2013	10/25/2013	CAI	50-006(d)	HPS	AltCompR	04/21/2014	—	—
M011	M-SMA-9.1	02/11/2011	In Process	—	—	35-016(f)	MPS	MEx	04/30/2012	—	—
M012	M-SMA-10	12/16/2010	06/30/2013	08/13/2013	CAI	35-008	MPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-014(e)	MPS	CACompD	10/30/2015	n/a	10/30/2015
M012A	M-SMA-10.01	12/16/2010	—	11/15/2011	CAI	35-016(e)	MPS	CACompD	10/30/2015	n/a	10/30/2015

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
M013	M-SMA-10.3	05/16/2011	08/19/2011	10/24/2011	CAI	35-014(e2)	HPS	CACompD	10/30/2013	n/a	10/30/2013
					CAI	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	MEx	04/30/2012	—	—
M015	M-SMA-12	04/28/2011	07/07/2015	08/11/2015	CAI	35-016(p)	MPS	CACompD	10/30/2015	n/a	10/30/2015
M016	M-SMA-12.5	12/01/2010	In Process	—	—	05-005(b)	MPS	MEx	10/31/2011	—	—
					—	05-006(c)	MPS	MEx	10/31/2011	—	—
M017	M-SMA-12.6	05/16/2011	09/13/2013	10/22/2013	CAI	05-004	MPS	FMCOG	10/30/2015	—	—
M018	M-SMA-12.7	12/16/2010	In Process	—	—	05-002	MPS	MEx	04/30/2012	—	—
					—	05-005(a)	MPS	MEx	04/30/2012	—	—
					—	05-006(b)	MPS	MEx	04/30/2012	—	—
					—	05-006(e)	MPS	MEx	04/30/2012	—	—
M019	M-SMA-12.8	12/16/2010	In Process	—	—	05-001(a)	MPS	MEx	04/30/2012	—	—
					—	05-002	MPS	MEx	04/30/2012	—	—
M020	M-SMA-12.9	12/16/2010	07/20/2015	08/25/2015	CAI	05-001(b)	MPS	CACompD	10/29/2015	n/a	10/29/2015
					CAI	05-002	MPS	CACompD	10/29/2015	n/a	10/29/2015
M021	M-SMA-12.92	12/01/2010	In Process	—	—	00-001	MPS	MEx	10/31/2011	—	—
M022	M-SMA-13	12/16/2010	09/13/2013	—	<TAL	05-001(c)	MPS	BCComp	10/21/2013	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
T001	Pratt-SMA-1.05	12/16/2010	09/13/2013	10/30/2013	CAI	35-003(h)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-003(p)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-003(r)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-004(h)	HPS	DelSiteR	10/14/2015	—	—
					CAI	35-004(h)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-009(d)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-016(k)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-016(l)	HPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-016(m)	HPS	DelSiteR	10/14/2015	—	—
					CAI	35-016(m)	HPS	CACompD	10/30/2015	n/a	10/30/2015
T002	T-SMA-1	12/16/2010	—	10/21/2011	CAI	50-006(a)	HPS	FMCOG	09/23/2013	—	—
					CAI	50-009	HPS	CACompC-Inv	10/31/2013	n/a	10/31/2013
T003	T-SMA-2.5	12/16/2010	In Process	—	—	35-014(g3)	MPS	MEx	04/30/2012	—	—
T004	T-SMA-2.85	12/16/2010	07/12/2013	08/21/2013	CAI	35-014(g)	MPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-016(n)	MPS	CACompD	10/30/2015	n/a	10/30/2015
T005	T-SMA-3	12/16/2010	09/10/2012	10/19/2012	CAI	35-016(b)	MPS	CACompD	10/30/2015	n/a	10/30/2015
T006	T-SMA-4	12/16/2010	09/13/2013	10/25/2013	CAI	35-004(a)	MPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-009(a)	MPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-016(c)	MPS	CACompD	10/30/2015	n/a	10/30/2015
					CAI	35-016(d)	MPS	CACompD	10/30/2015	n/a	10/30/2015
T007	T-SMA-5	12/16/2010	In Process	—	—	35-004(a)	MPS	MEx	04/30/2012	—	—
					—	35-009(a)	MPS	MEx	04/30/2012	—	—
					—	35-016(a)	MPS	MEx	04/30/2012	—	—
					—	35-016(q)	MPS	MEx	04/30/2012	—	—
T008	T-SMA-6.8	12/16/2010	07/31/2014	09/17/2014	CAI	35-010(e)	MPS	CACompD	10/30/2015	n/a	10/30/2015

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete	
T009	T-SMA-7	12/16/2010	09/12/2017	01/16/2018	CAI	04-003(b)	MPS	S6B	—	—	—	
T010	T-SMA-7.1	12/16/2010	In Process	—	—	04-001	MPS	MEx	04/30/2012	—	—	
					—	04-002	MPS	MEx	04/30/2012	—	—	
E001	2M-SMA-1	12/01/2010	08/20/2011	10/18/2011	CAI	03-010(a)	MPS	CAM	07/20/2012	10/19/2012	—	
				10/19/2012	CAI2	03-010(a)	MPS	AltCompR	05/06/2015	—	—	
E002	2M-SMA-1.42	01/12/2011	09/15/2011	11/10/2011	CAI	06-001(a)	MPS	AltCompR	02/26/2016	—	—	
E003	2M-SMA-1.43	12/01/2010	07/12/2013	08/21/2013	CAI	22-014(a)	MPS	AltCompR	05/06/2015	—	—	
					CAI	22-015(a)	MPS	AltCompR	05/06/2015	—	—	
E004	2M-SMA-1.44	01/12/2011	08/21/2011	04/30/2012	CAI	06-001(b)	MPS	CAM	06/27/2012	10/20/2014	—	
				10/20/2014	CAI2	06-001(b)	MPS	CAM2	09/04/2015	In Process	—	
E005	2M-SMA-1.45	01/12/2011	09/07/2011	05/01/2012	CAI	06-006	MPS	CAM	08/20/2012	09/08/2015	—	
				09/08/2015	CAI2	06-006	MPS	CACompA	09/08/2015	n/a	09/08/2015	
E006	2M-SMA-1.5	12/01/2010	In Process	—	—	22-014(b)	MPS	MEx	10/31/2011	—	—	
E007	2M-SMA-1.65	01/12/2011	08/21/2011	05/01/2012	CAI	40-005	MPS	CAM	07/19/2012	In Process	—	
E008	2M-SMA-1.67	04/28/2011	In Process	—	—	06-003(h)	MPS	MEx	04/30/2012	—	—	
E009	2M-SMA-1.7	01/12/2011	09/09/2011	11/03/2011	CAI	03-055(a)	MPS	CAM	07/27/2012	09/29/2014	—	
				09/29/2014	CAI2	03-055(a)	MPS	AltCompR	05/06/2015	—	—	
E010	2M-SMA-1.8	01/12/2011	09/09/2011	11/03/2011	CAI	03-001(k)	MPS	AltCompR	05/06/2015	—	—	
E011	2M-SMA-1.9	01/12/2011	07/11/2012	08/23/2012	CAI	03-003(a)	MPS	AltCompR	05/06/2015	—	—	
E012	2M-SMA-2	01/12/2011	09/04/2011	11/03/2011	CAI	03-050(d)	MPS	CAM	05/02/2013	09/24/2013	—	
					CAI	03-054(b)	MPS	CAM	05/02/2013	09/24/2013	—	
					09/24/2013	CAI2	03-050(d)	MPS	AltCompR	05/06/2015	—	—
					CAI2	03-054(b)	MPS	AltCompR	05/06/2015	—	—	
E013	2M-SMA-2.2	12/01/2010	09/04/2011	11/03/2011	CAI	03-003(k)	MPS	CACompC	09/29/2015	n/a	09/29/2015	



Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
E014	2M-SMA-3	01/12/2011	07/12/2013	08/16/2013	CAI	07-001(a)	MPS	CACompA	01/15/2017	10/04/2017	In Process
					CAI	07-001(b)	MPS	CACompA	01/15/2017	10/04/2017	In Process
					CAI	07-001(c)	MPS	CAM	09/04/2015	10/04/2017	—
					CAI	07-001(d)	MPS	CACompA	01/15/2017	10/04/2017	In Process
					CAI2	07-001(c)	MPS	S7	—	—	—
E015	2M-SMA-2.5	01/12/2011	09/09/2012	—	<TAL	40-001(c)	MPS	BCComp	10/19/2012	—	—
H001	3M-SMA-0.2	12/01/2010	In Process	—	—	15-010(b)	MPS	MEx	10/31/2011	—	—
H002	3M-SMA-0.4	01/12/2011	07/12/2013	08/27/2013	CAI	15-006(b)	MPS	AltCompR	05/06/2015	—	—
H003	3M-SMA-0.5	01/12/2011	07/09/2014	08/18/2014	CAI	15-006(c)	MPS	CAM	10/28/2015	In Process	—
					CAI	15-009(c)	MPS	AltCompR	05/06/2015	—	—
H004	3M-SMA-0.6	01/12/2011	In Process	—	—	15-008(b)	MPS	MEx	04/30/2012	—	—
H005	3M-SMA-2.6	04/28/2011	In Process	—	—	36-008	MPS	MEx	04/30/2012	—	—
					—	C-36-003	MPS	MEx	04/30/2012	—	—
H006	3M-SMA-4	01/12/2011	07/29/2014	10/20/2014	CAI	18-002(b)	MPS	CAM	10/28/2015	07/26/2017	—
					CAI	18-003(c)	MPS	CAM	10/28/2015	07/26/2017	—
					CAI	18-010(f)	MPS	CAM	10/28/2015	07/26/2017	—
				1/16/2018	CAI2	18-002(b)	MPS	S7	—	—	—
					CAI2	18-003(c)	MPS	S7	—	—	—
CAI2	18-010(f)	MPS	S7	—	—	—					
J001	PJ-SMA-1.05	12/01/2010	09/13/2013	11/03/2013	CAI	09-013	MPS	CAM	09/04/2015	In Process	—
J002	PJ-SMA-2	12/01/2010	In Process	—	—	09-009	MPS	MEx	10/31/2011	—	—
J003	PJ-SMA-3.05	02/11/2011	08/19/2011	04/30/2012	CAI	09-004(o)	MPS	CAM	07/18/2012	In Process	—
J004	PJ-SMA-4.05	12/01/2010	09/13/2013	10/30/2013	CAI	09-004(g)	MPS	AltCompR	05/06/2015	—	—
					CAI	09-005(g)	MPS	AltCompR	05/06/2015	—	—
J005	PJ-SMA-5	12/01/2010	10/12/2012	11/15/2012	CAI	22-015(c)	MPS	CAM	08/10/2015	In Process	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
J006	PJ-SMA-5.1	01/12/2011	09/07/2011	10/31/2011	CAI	22-010(b)	MPS	CAM	07/18/2012	In Process	—
					CAI	22-016	MPS	CAM	07/18/2012	In Process	—
J007	PJ-SMA-6	12/01/2010	07/08/2014	08/18/2014	CAI	40-010	MPS	AltCompR	05/06/2015	—	—
J008	PJ-SMA-7	12/01/2010	In Process	—	—	40-006(c)	MPS	MEx	10/31/2011	—	—
J009	PJ-SMA-8	12/01/2010	In Process	—	—	40-006(b)	MPS	MEx	10/31/2011	—	—
J010	PJ-SMA-9	12/01/2010	06/21/2014	08/04/2014	CAI	40-009	MPS	CAM	10/28/2015	In Process	—
J012	PJ-SMA-10	01/12/2011	07/07/2014	08/11/2014	CAI	40-006(a)	MPS	CAM	10/28/2015	—	—
					CAI2	40-006(a)	MPS	CAM2	12/14/2016	—	—
J013	PJ-SMA-11	01/12/2011	09/13/2013	10/30/2013	CAI	40-003(a)	MPS	CAM	08/10/2015	In Process	—
J014	PJ-SMA-11.1	01/12/2011	09/13/2013	10/30/2013	CAI	40-003(b)	MPS	CAM	08/10/2015	In Process	—
J015	PJ-SMA-13	04/28/2011	In Process	—	—	18-002(a)	MPS	MEx	04/30/2012	—	—
J016	PJ-SMA-13.7	01/12/2011	09/01/2011	05/01/2012	CAI	18-010(b)	MPS	CAM	07/08/2013	In Process	—
J017	PJ-SMA-14	04/28/2011	In Process	—	—	54-004	MPS	MEx	04/30/2012	—	—
J018	PJ-SMA-14.2	12/01/2010	In Process	—	—	18-012(b)	MPS	MEx	10/31/2011	—	—
J019	PJ-SMA-14.3	12/01/2010	In Process	—	—	18-003I	MPS	MEx	10/31/2011	—	—
J020	PJ-SMA-14.4	04/28/2011	In Process	—	—	18-010(d)	MPS	MEx	04/30/2012	—	—
J021	PJ-SMA-14.6	12/01/2010	In Process	—	—	18-010I	MPS	MEx	10/31/2011	—	—
J022	PJ-SMA-14.8	01/12/2011	08/18/2011	—	<TAL	18-012(a)	MPS	BCComp	05/01/2012	—	—
J023	PJ-SMA-16	12/01/2010	08/08/2013	—	<TAL	27-002	MPS	BCComp	09/11/2013	—	—
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-Inv	08/28/2014	n/a	08/28/2014
					CAI	54-017	HPS	CACompC-Inv	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-Inv	08/28/2014	n/a	08/28/2014
					CAI	54-017	HPS	CACompC-Inv	08/28/2014	n/a	08/28/2014
					CAI	54-020	HPS	CACompC-Inv	08/28/2014	n/a	08/28/2014

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
J027	PJ-SMA-20	12/16/2010	08/22/2011	05/01/2012	CAI	54-017	HPS	CACompC	10/25/2013	n/a	10/25/2013
J028	STRM-SMA-1.05	12/01/2010	08/26/2011	10/17/2011	CAI	08-009(f)	MPS	CAM	05/02/2013	09/10/2013	—
				09/10/2013	CAI2	08-009(f)	MPS	AltCompR	05/06/2015	—	—
J029	STRM-SMA-1.5	12/01/2010	07/11/2012	08/27/2012	CAI	08-009(d)	MPS	CAM	07/08/2013	10/21/2013	—
				10/21/2013	CAI2	08-009(d)	MPS	CAM2	09/04/2015	In Process	—
J030	STRM-SMA-4.2	12/01/2010	09/09/2011	11/10/2011	CAI	09-008(b)	MPS	CAM	08/21/2012	09/27/2017	—
				01/16/2018	CAI2	09-008(b)	MPS	S7	—	—	—
J031	STRM-SMA-5.05	12/01/2010	08/21/2011	10/31/2011	CAI	09-013	MPS	AltCompR	02/26/2016	—	—
V001	CDV-SMA-1.2	01/12/2011	08/02/2015	—	<TAL	16-017(b)-99	MPS	BCComp	09/14/2015	—	—
					<TAL	16-029(k)	MPS	BCComp	09/14/2015	—	—
V002	CDV-SMA-1.3	01/12/2011	09/13/2013	10/25/2013	CAI	16-017(a)-99	MPS	CACompD	09/26/2016	n/a	09/26/2016
					CAI	16-026(m)	MPS	CACompD	09/26/2016	n/a	09/26/2016
V003	CDV-SMA-1.4	01/12/2011	09/10/2012	10/18/2012	CAI	16-020	MPS	CAM	05/12/2014	In Process	—
					CAI	16-026(l)	MPS	CAM	05/12/2014	In Process	—
					CAI	16-028(c)	MPS	CAM	05/12/2014	In Process	—
					CAI	16-030(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012
					CAI	16-030(c)	MPS	DelSiteR	10/14/2015	—	—
V004	CDV-SMA-1.45	01/12/2011	08/21/2011	04/30/2012	CAI	16-026(i)	MPS	CAM	07/18/2012	In Process	—
V005	CDV-SMA-1.7	01/12/2011	09/13/2013	10/25/2013	CAI	16-019	MPS	CAM	09/04/2015	In Process	—
V006	CDV-SMA-2	05/16/2011	07/12/2013	08/20/2013	CAI	16-021(c)	MPS	AltCompR	05/06/2015	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
V007	CDV-SMA-2.3	01/12/2011	07/20/2015	08/26/2015	CAI	13-001	MPS	AltCompR	02/26/2016	—	—
					CAI	13-002	MPS	AltCompR	02/26/2016	—	—
					CAI	16-003(n)	MPS	AltCompR	02/26/2016	—	—
					CAI	16-003(o)	MPS	AltCompR	02/26/2016	—	—
					CAI	16-029(h)	MPS	AltCompR	02/26/2016	—	—
					CAI	16-031(h)	MPS	AltCompR	02/26/2016	—	—
V008	CDV-SMA-2.41	01/12/2011	08/21/2011	05/01/2012	CAI	16-018	MPS	CAM	06/26/2014	In Process	—
					CAI	16-018	MPS	DelSiteR	10/21/2015	—	—
V008A	CDV-SMA-2.42	01/12/2011	07/12/2013	08/26/2013	CAI	16-010(b)	MPS	CAM	09/28/2015	10/05/2017	—
					CAI2	16-010(b)	MPS	S7	—	—	—
					CAI	16-010(b)	MPS	DelSiteR	10/21/15	—	—
V009	CDV-SMA-2.5	01/12/2011	07/26/2013	—	<TAL	16-010(c)	MPS	BCComp	08/29/2013	—	—
					<TAL	16-010(c)	MPS	DelSiteR	10/21/2015	—	—
					<TAL	16-010(d)	MPS	BCComp	08/29/2013	—	—
					<TAL	16-010(d)	MPS	DelSiteR	10/21/2015	—	—
					<TAL	16-028(a)	MPS	BCComp	08/29/2013	—	—
V009A	CDV-SMA-2.51	01/12/2011	09/13/2013	10/25/2013	CAI	16-010(i)	MPS	AltCompR	05/06/2015	—	—
V010	CDV-SMA-3	02/11/2011	08/21/2011	04/30/2012	CAI	14-009	MPS	CAM	07/18/2012	In Process	—
V011	CDV-SMA-4	02/11/2011	In Process	—	—	14-010	MPS	MEx	04/30/2012	—	—
V012	CDV-SMA-6.01	02/11/2011	07/31/2014	10/20/2014	CAI	14-001(g)	MPS	CAM	10/15/2015	In Process	—
					CAI	14-006	MPS	CAM	10/15/2015	In Process	—
V012A	CDV-SMA-6.02	02/11/2011	09/01/2011	10/31/2011	CAI	14-002(c)	MPS	CAM	07/18/2012	In Process	—
					CAI	14-002(d)	MPS	CAM	07/18/2012	In Process	—
					CAI	14-002I	MPS	CAM	07/18/2012	In Process	—
V013	CDV-SMA-7	01/12/2011	09/13/2013	10/30/2013	CAI	15-008(d)	MPS	CAM	09/04/2015	In Process	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete	
V014	CDV-SMA-8	01/12/2011	07/31/2014	10/07/2014	CAI	15-011(c)	MPS	AltCompR	05/06/2015	—	—	
V015	CDV-SMA-8.5	01/12/2011	In Process	—	—	15-014(a)	MPS	MEx	04/30/2012	—	—	
V016	CDV-SMA-9.05	01/12/2011	In Process	—	—	15-007(b)	MPS	MEx	04/30/2012	—	—	
F001	F-SMA-2	01/12/2011	08/15/2011	05/01/2012	CAI	36-004(c)	MPS	CAM	06/26/2014	09/08/2014	—	
				09/08/2014	CAI2	36-004(c)	MPS	CAM2	09/28/2015	In Process	—	
I001	PT-SMA-0.5	04/28/2011	09/01/2011	05/01/2012	CAI	15-009I	MPS	CAM	11/27/2012	In Process	—	
					CAI	C-15-004	MPS	CAM	11/27/2012	In Process	—	
I002	PT-SMA-1	04/28/2011	09/01/2011	04/30/2012	CAI	15-004(f)	MPS	CAM	08/03/2012	10/07/2014	—	
					CAI	15-008(a)	MPS	CAM	08/03/2012	10/07/2014	—	
				10/07/2014	CAI2	15-004(f)	MPS	CAM2	10/15/2015	09/26/2017	—	
					CAI2	15-008(a)	MPS	CAM2	10/15/2015	09/26/2017	—	
				01/15/2018	CAI3	15-004(f)	MPS	S6B	In Process	n/a	In Process	
	CAI3	15-008(a)	MPS	S6B	In Process	n/a	In Process					
I003	PT-SMA-1.7	04/28/2011	09/10/2012	10/18/2012	CAI	15-006(a)	MPS	CAM	06/26/2014	In Process	—	
					CAI	15-003	MPS	CAM	06-26/2014	In Process	—	
I004	PT-SMA-2	04/28/2011	07/07/2014	08/11/2014	CAI	15-008(f)	MPS	CAM	09/28/2015	In Process	—	
						CAI	36-003(b)	MPS	CAM	09/28/2015	In Process	—
						CAI	36-004I	MPS	CAM	09/28/2015	In Process	—
I004A	PT-SMA-2.01	04/28/2011	08/18/2011	04/30/2012	CAI	C-36-001	MPS	CACompC-Inv	08/28/2017	n/a	08/28/2017	
					CAI	C-36-006I	MPS	CAM	08/03/2012	In Process	—	
I005	PT-SMA-3	12/01/2010	07/15/2014	08/25/2014	CAI	36-004(a)	MPS	CAM	08/10/2015	In Process	—	
						CAI	36-006	MPS	CAM	08/10/2015	In Process	—
I007	PT-SMA-4.2	12/01/2010	07/02/2014	08/11/2014	CAI	36-004(d)	MPS	CAM	10/28/2015	In Process	—	

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
W001	W-SMA-1	12/01/2010	09/09/2011	11/08/2011	CAI	16-017(j)-99	MPS	CAM	05/02/2013	08/29/2014	—
					CAI	16-026(c2)	MPS	CAM	05/02/2013	08/29/2014	—
					CAI	16-026(v)	MPS	CAM	05/02/2013	08/29/2014	—
				08/29/2014	CAI2	16-017(j)-99	MPS	CACompC-Inv	09/29/2015	n/a	09/29/2015
					CAI2	16-026(c2)	MPS	AltCompR	05/06/2015	—	—
					CAI2	16-026(v)	MPS	AltCompR	05/06/2015	—	—
W002	W-SMA-1.5	01/12/2011	09/01/2011	11/08/2011	CAI	16-026(b2)	MPS	CAM	09/25/2012	08/28/2014	—
					CAI	16-028(d)	MPS	CAM	09/25/2012	08/28/2014	—
				08/28/2014	CAI2	16-026(b2)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	16-028(d)	MPS	CAM2	09/04/2015	In Process	—
W003	W-SMA-2.05	01/12/2011	08/21/2011	05/01/2012	CAI	16-028l	MPS	CAM	09/25/2012	In Process	—
W004	W-SMA-3.5	01/12/2011	In Process	—	—	16-026(y)	MPS	MEx	04/30/2012	—	—
W005	W-SMA-4.1	01/12/2011	In Process	—	—	16-003(a)	MPS	MEx	04/30/2012	—	—
W006	W-SMA-5	01/12/2011	07/03/2012	09/18/2012	CAI	16-001l	MPS	AltCompR	05/06/2015	—	—
					CAI	16-003(f)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-026(b)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-026(c)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-026(d)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-026l	MPS	AltCompR	05/06/2015	—	—
W007	W-SMA-6	01/12/2011	In Process	—	—	11-001(c)	MPS	MEx	04/30/2012	—	—
W008	W-SMA-7	01/12/2011	07/08/2014	08/11/2014	CAI	16-029(e)	MPS	CAM	09/28/2015	In Process	—
					CAI	16-026(h2)	MPS	CAM	09/28/2015	In Process	—
W009	W-SMA-7.8	01/12/2011	In Process	—	—	16-031(a)	MPS	MEx	04/30/2012	—	—
W010	W-SMA-7.9	01/12/2011	In Process	—	—	16-006(c)	MPS	MEx	04/30/2012	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
W011	W-SMA-8	01/12/2011	09/12/2013	10/25/2013	CAI	16-016(g)	MPS	CAM	08/10/2015	In Process	—
					CAI	16-028(b)	MPS	CAM	08/10/2015	In Process	—
W012	W-SMA-8.7	01/12/2011	09/12/2013	10/25/2013	CAI	13-001	MPS	AltCompR	05/06/2015	—	—
					CAI	13-002	MPS	AltCompR	05/06/2015	—	—
					CAI	16-004(a)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-026(j2)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-029(h)	MPS	AltCompR	05/06/2015	—	—
					CAI	16-035	MPS	AltCompR	05/06/2015	—	—
W012A	W-SMA-8.71	01/12/2011	08/21/2011	05/01/2012	CAI	16-004(c)	MPS	CAM	11/27/2012	10/30/2013	—
				10/30/2013	CAI2	16-004(c)	MPS	CAM2	09/04/2015	In Process	—
W013	W-SMA-9.05	01/12/2011	09/13/2013	—	<TAL	16-030(g)	MPS	BCComp	10/21/2013	—	—
W014	W-SMA-9.5	12/01/2010	06/25/2017	1/16/2018	CAI	11-012(c)	MPS	CAI	—	—	—
W015	W-SMA-9.7	01/12/2011	09/13/2013	10/30/2013	CAI	11-011(a)	MPS	AltCompR	05/06/2015	—	—
					CAI	11-011(b)	MPS	AltCompR	05/06/2015	—	—
W016	W-SMA-9.8	01/12/2011	In Process	—	—	11-005(c)	MPS	MEx	04/30/2012	—	—
W017	W-SMA-9.9	01/12/2011	08/21/2011	04/30/2012	CAI	11-006(b)	MPS	CAM	06/27/2012	In Process	—
W018	W-SMA-10	01/12/2011	08/21/2011	05/01/2012	CAI	11-002	MPS	AltCompR	02/26/2016	—	—
					CAI	11-003(b)	MPS	AltCompR	02/26/2016	—	—
					CAI	11-005(a)	MPS	AltCompR	02/26/2016	—	—
					CAI	11-005(b)	MPS	AltCompR	02/26/2016	—	—
					CAI	11-006(c)	MPS	AltCompR	02/26/2016	—	—
					CAI	11-006(d)	MPS	AltCompR	02/26/2016	—	—
					CAI	11-011(d)	MPS	AltCompR	02/26/2016	—	—
W019	W-SMA-11.7	01/12/2011	09/01/2011	05/01/2012	CAI	49-008(c)	MPS	CAM	10/23/2012	In Process	—
W020	W-SMA-12.05	01/12/2011	In Process	—	—	49-001(g)	MPS	MEx	04/30/2012	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
W021	W-SMA-14.1	04/28/2011	08/18/2011	10/17/2011	CAI	15-004(h)	MPS	CAM	09/25/2012	08/25/2014	—
					CAI	15-014(l)	MPS	CAM	09/25/2012	08/25/2014	—
				08/25/2014	CAI2	15-004(h)	MPS	AltCompR	05/06/2015	—	—
					CAI2	15-014(l)	MPS	AltCompR	05/06/2015	—	—
W022	W-SMA-15.1	01/12/2011	09/01/2011	05/01/2012	CAI	49-005(a)	MPS	CAM	10/23/2012	In Process	—
A001	A-SMA-1.1	12/01/2010	In Process	—	—	39-004(a)	MPS	MEx	10/31/2011	—	—
					—	39-004(d)	MPS	MEx	10/31/2011	—	—
A002	A-SMA-2	02/11/2011	09/12/2013	10/22/2013	CAI	39-004(b)	MPS	CAM	08/10/2015	In Process	—
					CAI	39-004l	MPS	CAM	08/10/2015	In Process	—
A003	A-SMA-2.5	02/11/2011	In Process	—	—	39-010	MPS	MEx	04/30/2012	—	—
A004	A-SMA-2.7	02/11/2011	09/04/2011	10/27/2011	CAI	39-002(c)	MPS	CACompD	11/29/2012	n/a	11/29/2012
					CAI	39-008	MPS	CAM	08/23/2012	In Process	—
A005	A-SMA-2.8	02/11/2011	In Process	—	—	39-001(b)	MPS	MEx	04/30/2012	—	—
A006	A-SMA-3	12/01/2010	07/25/2013	08/29/2013	CAI	39-002(b)	MPS	CAM	09/04/2015	In Process	—
					CAI	39-004(c)	MPS	CAM	09/04/2015	In Process	—
A007	A-SMA-3.5	02/11/2011	07/25/2013	—	<TAL	39-006(a)	MPS	BCComp	09/06/2013	—	—
A008	A-SMA-4	02/11/2011	In Process	—	—	33-010(d)	MPS	MEx	04/30/2012	—	—
A009	A-SMA-6	02/11/2011	08/04/2013	09/04/2013	CAI	33-004(k)	MPS	AltCompR	05/06/2015	—	—
					CAI	33-007(a)	MPS	AltCompR	05/06/2015	—	—
					CAI	33-010(a)	MPS	AltCompR	05/06/2015	—	—
Q001	CHQ-SMA-0.5	02/11/2011	07/23/2014	09/22/2014	CAI	33-004(g)	MPS	CAM	10/28/2015	In Process	—
					CAI	33-007(c)	MPS	CAM	10/28/2015	In Process	—
					CAI	33-009	MPS	CAM	10/28/2015	In Process	—
Q002	CHQ-SMA-1.01	02/11/2011	In Process	—	—	33-002(d)	MPS	MEx	04/30/2012	—	—



Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
Q002A	CHQ-SMA-1.02	02/11/2011	08/21/2011	05/01/2012	CAI	33-004(h)	MPS	CAM	10/24/2012	11/03/2013	—
					CAI	33-008(c)	MPS	CAM	10/24/2012	11/03/2013	—
					CAI	33-011(d)	MPS	CAM	10/24/2012	11/03/2013	—
					CAI	33-015	MPS	CAM	10/24/2012	11/03/2013	—
				11/03/2013	CAI2	33-004(h)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	33-008(c)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	33-011(d)	MPS	CAM2	09/04/2015	In Process	—
					CAI2	33-015	MPS	CAM2	09/04/2015	In Process	—
Q002B	CHQ-SMA-1.03	02/11/2011	07/04/2012	08/27/2012	CAI	33-008(c)	MPS	CAM	05/13/2014	In Process	—
					CAI	33-012(a)	MPS	CAM	05/13/2014	In Process	—
					CAI	33-017	MPS	CAM	05/13/2014	In Process	—
					CAI	C-33-001	MPS	CAM	05/13/2014	In Process	—
					CAI	C-33-003	MPS	CAM	05/13/2014	In Process	—
Q003	CHQ-SMA-2	02/11/2011	07/04/2012	08/27/2012	CAI	33-004(d)	MPS	AltCompR	05/06/2015	—	—
					CAI	33-007(c)	MPS	CAM	10/28/2015	In Process	—
					CAI	C-33-003	MPS	AltCompR	05/06/2015	--	—
Q004	CHQ-SMA-3.05	02/11/2011	09/10/2013	10/23/2013	CAI	33-010(f)	MPS	CAM	08/10/2015	In Process	—
Q005	CHQ-SMA-4	02/11/2011	In Process	—	—	33-0111	MPS	MEx	04/30/2012	—	—
Q006	CHQ-SMA-4.1	02/11/2011	09/13/2013	10/22/2013	CAI	33-016	MPS	AltCompR	05/06/2015	—	—
Q007	CHQ-SMA-4.5	02/11/2011	07/25/2013	09/05/2013	CAI	33-011(b)	MPS	AltCompR	05/06/2015	—	—
Q008	CHQ-SMA-5.05	12/01/2010	In Process	—	—	33-007(b)	MPS	MEx	10/31/2011	—	—

Table 8-3 (continued)

Permitted Feature	SMA	Date Baseline Controls Certified	Date Baseline Monitoring Complete	Date Corrective Action Initiated	Stage Initiating Corrective Action	Site Number	Priority	Compliance Status	Date Compliance Status Initiated	Completion of Enhanced Control Monitoring	Date Corrective Action Complete
Q009	CHQ-SMA-6	02/11/2011	07/25/2013	08/29/2013	CAI	33-004(j)	MPS	CAM	08/10/2015	In Process	—
					CAI	33-006(a)	MPS	CAM	08/10/2015	In Process	—
					CAI	33-007(b)	MPS	CAM	08/10/2015	In Process	—
					CAI	33-010(c)	MPS	CAM	08/10/2015	In Process	—
					CAI	33-010(g)	MPS	CAM	08/10/2015	In Process	—
					CAI	33-010(h)	MPS	CAM	08/10/2015	In Process	—
					CAI	33-014	MPS	CAM	08/10/2015	In Process	—
Q010	CHQ-SMA-7.1	02/11/2011	In Process	—	—	33-010(g)	MPS	MEx	04/30/2012	—	—

<sup>a</sup> CAI = Corrective action is initiated after a TAL exceedance is observed during baseline monitoring.

<sup>b</sup> MPS = Moderate Priority Site.

<sup>c</sup> CACompD = Corrective action is complete under the Permit with a certificate of completion under NMED's Consent Order.

<sup>d</sup> n/a = Not applicable

<sup>e</sup> DelSiteR = A request has been made to delete the Site from the Permit.

<sup>f</sup> — = Corrective action has not been initiated.

<sup>g</sup> CAM = corrective action monitoring after certification of enhanced controls.

<sup>h</sup> MEx = Extended baseline monitoring: One confirmation monitoring sample is collected to determine if corrective action is required.

<sup>i</sup> <TAL = All baseline confirmation monitoring results are less than TALs. No further monitoring is required.

<sup>j</sup> BCComp = All baseline confirmation monitoring results are less than TALs. No further monitoring is required.

<sup>k</sup> S6B = Permit screening process for corrective action recommendation: Submit alternative compliance request to EPA.

<sup>l</sup> HPS = High Priority Site.

<sup>m</sup> CAI2 = Corrective action is reinitiated after a TAL exceedance is observed during monitoring following installation of enhanced control measures.

<sup>n</sup> AltCompR = Alternative compliance request requested.

<sup>o</sup> CACompC = Corrective action is complete under the Permit with a certification of no exposure.

<sup>p</sup> FMCOC = Request for an extension resulting from force majeure event. NMED approval of supplemental investigation report and certificates of completion required.

<sup>q</sup> CACompA = Corrective action is complete with a certification that all pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).

<sup>r</sup> AltCompA = Alternative compliance request approved.

<sup>s</sup> S7 = Permittees are preparing an analysis of alternatives to complete corrective action.

<sup>t</sup> CAM2 = Second round of enhanced control monitoring continues until at least two samples are collected.

**Table 8-4  
Summary of Site Corrective Actions Planned**

Site	SMA	Permitted Feature	Current Stage	Corrective Action Response
03-049(a)	M-SMA-1.2	M002	S7 <sup>a</sup>	Permittees are preparing an analysis of alternatives to complete corrective action.
07-001(a)	2M-SMA-3	E014	CACompA <sup>b</sup>	Certify completion of corrective action – All pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).
07-001(b)	2M-SMA-3	E014	CACompA	Certify completion of corrective action – All pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).
07-001(c)	2M-SMA-3	E014	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
07-001(d)	2M-SMA-3	E014	CACompA	Certify completion of corrective action – All pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).
01-002(b)-00	ACID-SMA-2	P002	S6B <sup>c</sup>	Permittees are preparing an alternative compliance request.
01-002(b)-00	ACID-SMA-2.1	P003	S6B	Permittees are preparing an alternative compliance request.
15-004(f)	PT-SMA-1	I002	S6B	Permittees are preparing an alternative compliance request.
15-008(a)	PT-SMA-1	I002	S6B	Permittees are preparing an alternative compliance request.
04-003(b)	T-SMA-7	T009	S6B	Permittees are preparing an alternative compliance request.
11-012(c)	W-SMA-9.5	W014	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
18-002(b)	3M-SMA-4	H006	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
18-003(c)	3M-SMA-4	H006	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
18-010(f)	3M-SMA-4	H006	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
72-001	S-SMA-6	S016	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
09-008(b)	STRM-SMA-4.2	J030	S7	Permittees are preparing an analysis of alternatives to complete corrective action.
16-010(b)	CDV-SMA-2.42	V008A	S7	Permittees are preparing an analysis of alternatives to complete corrective action.

<sup>a</sup> S7 = Permittees are preparing an analysis of alternatives to complete corrective action.

<sup>b</sup> CACompA = Corrective action is complete with a certification that all pollutants of concern are at or below applicable TALs per IP Part I.E.2(a).

<sup>c</sup> S6B = Permit screening process for corrective action recommendation: Submit alternative compliance request to EPA.

# **Appendix A**

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*Acronyms and Abbreviations,  
Glossary, and Metric Conversion Table*



## A-1.0 ACRONYMS AND ABBREVIATIONS

AEA	Atomic Energy Act
AltCompA	alternative compliance approved
AltCompR	alternative compliance requested
AOC	area of concern
ATAL	average target action level
BCComp	baseline confirmation complete
BCM	baseline control measure
BMP	best management practice
CACompA	corrective action complete with all analytical results below TALs
CACompC	corrective action complete with certification of no exposure
CACompC-Inv	corrective action complete after investigative sample
CACompD	corrective action complete with certification of completion
CAI	corrective action initiated
CAM	corrective action monitoring
CFR	Code of Federal Regulations
CoC	certificate of completion (NMED)
COC	chain of custody
Consent Order	Compliance Order on Consent
CSR	compliance status report
DDT	dichlorodiphenyltrichloroethane
DelSiteR	delete site requested
DOE	Department of Energy (U.S.)
EC	erosion control
EIM	Environmental Information Management (database)
EPA	Environmental Protection Agency (U.S.)
F	filtered
FMCOOC	force majeure certification of completion
HE	high explosives
HPS	high priority Site
Individual Permit	National Pollutant Discharge Elimination System Permit No. NM0030759
IP	National Pollutant Discharge Elimination System Permit No. NM0030759
LANL	Los Alamos National Laboratory

LANS	Los Alamos National Security, LLC
MEx	extended baseline monitoring
MPS	moderate priority Site
MQL	minimum quantification level
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
RCRA	Resource Conservation and Recovery Act
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
ROFF	runoff (control)
RON	run-on (control)
RTU	radio telemetry unit
SC	sediment control
SDPPP	Site Discharge Pollution Prevention Plan
SIP	Sampling Implementation Plan
SMA	site monitoring area
SWMU	solid waste management unit
TAL	target action level
TNT	trinitrotoluene(2,4,6-)
TRM	turf-reinforcing matting
UF	unfiltered
USC	United States Code
WAD	weak acid dissociable

## 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**

<b>Multiply SI (Metric) Unit</b>	<b>by</b>	<b>To Obtain U.S. Customary Unit</b>
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 ( $\mu\text{m}$ )	0.0000394	inches (in.)
square kilometers ( $\text{km}^2$ )	0.3861	square miles ( $\text{mi}^2$ )
hectares (ha)	2.5	acres
square meters ( $\text{m}^2$ )	10.764	square feet ( $\text{ft}^2$ )
cubic meters ( $\text{m}^3$ )	35.31	cubic feet ( $\text{ft}^3$ )
kilograms (kg)	2.2046	pounds (lb)
grams (g)	0.0353	ounces (oz)
grams per cubic centimeter ( $\text{g}/\text{cm}^3$ )	62.422	pounds per cubic foot ( $\text{lb}/\text{ft}^3$ )
milligrams per kilogram (mg/kg)	1	parts per million (ppm)
micrograms per gram ( $\mu\text{g}/\text{g}$ )	1	parts per million (ppm)
liters (L)	0.26	gallons (gal.)
milligrams per liter (mg/L)	1	parts per million (ppm)
degrees Celsius ( $^{\circ}\text{C}$ )	$9/5 + 32$	degrees Fahrenheit ( $^{\circ}\text{F}$ )

# **Appendix B**

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*Analytical Monitoring Results*



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 provide monitoring results available during the reporting period. This appendix presents the validated analytical results for the Permit compliance monitoring samples collected by the Laboratory in 2017.

This appendix also includes tables presenting analytical results for metals, general inorganic chemicals, radioactivity, total polychlorinated biphenyls (PCBs), semivolatile organic analytes, and high explosives. 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 159 site monitoring areas (SMAs) by the activation of samplers beginning in May 2017. Beginning in November, active samplers were deactivated because of the arrival of freezing temperatures. The Permit does not allow snowmelt runoff samples to be collected for confirmation purposes.

### **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 Ra-226 + Ra-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 (AEA) of 1954 (NMAC 20.6.4.7.B).

EPA has defined “pollutant” for purposes of the National Pollutant Discharge Elimination System (NPDES) Program under the federal Clean Water Act to exempt radioactive material regulated under the AEA of 1954. EPA regulations at 40 CFR 122.2 define “pollutant” as “dredged spoil, solid waste...radioactive materials [except those regulated under Atomic Energy Act (AEA) of 1954, as amended (42 USC §2014 (e))....” The note to 40 CFR §122.2 further states “[r]adioactive materials covered by the Atomic Energy Act are those encompassed in its definition of source, byproduct, or special nuclear materials. Examples of material not covered include radium and accelerated-produced isotopes.” However, the Energy Policy Act of 2005, section 651(e)(1), amended the AEA to include accelerator-produced radioactive material in the definition of “byproduct material.” For this reason, accelerator-produced radioactive material, including tritium and alpha-emitter isotopes produced for research purposes at the Laboratory, are included within the definition of “byproduct material” under the AEA [see 42 United States Code (USC) 2014 (e)].

For these reasons, the Permittees contend that gross alpha-emitters that meet the AEA definition of “source, special nuclear, and byproduct material” are excluded from the EPA definition of a “pollutant” under 40 CFR 122.2, and New Mexico’s definition of a “water contaminant” under the New Mexico Water Quality Act and New Mexico Water Quality Standards. Accordingly, alpha particle emissions from emitters that meet the AEA definition are not to be included in measurements of “adjusted gross alpha” pursuant to the Water Quality Act and New Mexico Water Quality Standard for purposes of implementation of LANL’s individual storm water discharge permit.

In the June 25, 2015, Comments on the Draft Los Alamos National Laboratory NPDES Individual Permit (NM0030759) Enclosure 1 (LANL 2015, 600827), Tables 2 and 4 provide a summary list of AEA-exempt alpha-emitters present in environmental samples. Additional AEA exempt alpha-emitters, not listed in these tables, may be present in storm water.

However, methods available to exclude radon-222, uranium, and any special nuclear and byproduct materials from gross-alpha analyses result in incomplete and misleading adjustments. The gross-alpha analytical technique, Method 900.0: Gross Alpha and Gross Beta Radioactivity in Drinking Water, does not differentiate alpha-emitting isotopes and does not include volatile, alpha-emitting isotopes such as radon. The method uses americium-241 as a calibrating standard. Any isotope in a sample more energetic than americium-241 is biased high, and any isotope less energetic than americium-241 is biased low in the gross-alpha result. The isotopic analyses are not similarly biased, so subtraction of isotopic analyses from gross-alpha analyses produces adjusted gross-alpha results that are larger or smaller than the actual adjusted gross-alpha activity depending on isotopes dominating in the sample. Available laboratory analyses can be performed on alpha-emitting isotopes of thorium, uranium, plutonium, americium, and radon. Adjustments to gross alpha for these isotopes do not adjust for all of their alpha-emitting daughters; do not separate the naturally occurring daughters from the source, special nuclear, and byproduct materials; do not account for other source, special nuclear, and byproduct materials that may be counted in the gross-alpha result but are not analyzed; and, in the case of radon, can be used to adjust activities that are not present in the gross-alpha concentration. For these reasons, the Permittees have elected not to adjust the reported gross-alpha result for confirmation monitoring samples collected in 2017 or during previous years.

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 2017 baseline confirmation monitoring results.

The results reported for total PCBs are calculated from the sum of detected PCB congeners measured using EPA Method 1668C. Supporting documentation for the calculation of the total PCB results is provided in Attachment 1 to this annual report, as required by Appendix C of the Permit.

### **Limitations of 40 CFR 136 Compliance**

Storm water monitoring for the Individual Permit is conducted at remote and unstaffed locations. Use of automated sampling techniques and equipment is necessary to collect storm water for confirmation monitoring.

The Individual Permit Part III.C.5(a) specifies that monitoring will be conducted according to test procedures approved under 40 CFR 136. Section 3(e) of Part 136 defines the sample preservation procedures, container material, and maximum allowable holding times for parameters and specifies that these take precedence over information in specific methods or elsewhere. While the Permittees are compliant with 40 CFR 136 requirements for container materials, holding times, and analytical methodologies, the language in 40 CFR 136 requires the Permittees to perform sample cooling, chemical preservation, and filtration within 15 min of sample collection. It is likely that the 40 CFR 136 requirements

did not anticipate the limitations of remote, automated storm water monitoring. The Permittees are constantly re-evaluating processes and reducing sample retrieval times; however, full compliance with the 15-min requirements may not be achievable at unstaffed locations. The following is a list of the specific challenges to fulfill requirements of 40 CFR 136 associated with sample collection and preservation:

- Footnote 2 for preservation listed in Table II, Required Containers, Preservation Techniques, and Holding Times, specifies that grab samples will be preserved by cooling within 15 min of collection. Analyses of weak acid dissociable cyanide, PCBs, high explosives, pesticides, dioxins, and semivolatile compounds are subject to this cooling requirement. Because storm water samples are collected automatically and at remote, unstaffed locations, the 15-min requirement is not met. However, the Permittees begin sample preservation with cooling at the time samples are retrieved from ISCO samplers. The addition of refrigerated sampling equipment and electric power infrastructure is necessary to comply with this requirement at SMAs where cooling is required.
- Footnote 2 for preservation listed in Table II, Required Containers, Preservation Techniques, and Holding Times, specifies that grab samples will be chemically preserved within 15 min of collection. Analysis of weak acid dissociable cyanide, radiological compounds, and mercury are subject to this chemical preservation requirement. Other metals can be chemically preserved at the analytical laboratory 24 h before analysis. Because storm water samples are collected automatically and at remote, unstaffed locations, the 15-min requirement is not met. The Permittees chemically preserve samples at a sample processing facility before shipment to off-site analytical laboratories. The use and management of concentrated acids and bases is governed by LANL procedures and regulations. Acids and bases cannot be left unattended at samplers in bottles in the field. In addition, the strong acids and bases required for preservation are volatile, so they quickly lose their effectiveness to preserve samples if predeployed in open sample bottles. Further, the chemicals damage sampling equipment as they volatilize and come into contact with metal and electronic components.
- Footnote 7 for filtration listed in Table II, Required Containers, Preservation Techniques, and Holding Times, specifies that grab samples for dissolved metals analysis will be filtered within 15 min of collection and before adding preservatives. Because storm water samples are collected automatically and at remote, unstaffed locations, the 15-min requirement is not met. The Permittees filter samples at a sample processing facility as quickly as possible before adding preservatives and shipping the samples to off-site analytical laboratories. Field trials conducted by LANL with different methods of automated in-line cartridge filtration have shown significant loss of sampling volume, resulting in the inability to collect sufficient volume for dissolved metals analysis.

## 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 level (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 the analytical method detection level, a value of zero (0) may be reported. If one or more result is above the detection level, a value of one-half of the detection level shall be assigned to those results below the detection level, for calculation purposes.
  - ❖ 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 purposes. Four pollutants do not have a Permit-specified MQL value: Ra-226 + Ra-228; gross-alpha radiation; hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX); and 2,4,6-trinitrotoluene (TNT). 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-4 presents pollutants that were not analyzed because of deviations from the sampling and analysis plan. Tables B-5 and B-6 list holding times for cyanide and mercury and for organic compounds, respectively. Tables B-7 through B-9 present compliance monitoring results.

## References

LANL (Los Alamos National Laboratory), June 25, 2015. “Comments on the Draft Los Alamos National Laboratory (LANL) NPDES Storm Water Individual Permit (NM0030759),” Los Alamos National Laboratory letter (ENV-DO-15-0176) to B. Larsen (EPA Region 6) from A.M. Dorries (LANL) and C.M. Gelles (DOE-EM-LA), Los Alamos, New Mexico. (LANL 2015, 600827)

**Table B-1  
LANL Data Qualifier Definitions**

Code	Description
*	(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 not detected, and spiked sample recovery not within control limits.
X	Laboratory suspects result is a nondetect despite positive quantification results.

**Table B-2  
LANL Validation Qualifier Definitions**

Code	Description
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-3  
Target Action Levels**

Pollutant (Total unless Otherwise Indicated)	Chemical Abstracts Service Number	STORET Code <sup>a</sup>	MQL (µg/L)	ATAL (µg/L)	MTAL (µg/L)
<b>Radioactivity</b>					
Adjusted gross alpha <sup>b</sup> (pCi/L)	n/a <sup>c</sup>	80029	n/a	15	n/a
Ra-226 and Ra-228 (pCi/L)	n/a	11503	n/a	30	n/a
<b>Metals</b>					
Aluminum, dissolved	7429-90-5	1106	2.5	n/a	750
Antimony, dissolved	7440-36-0	1095	60	640	n/a
Arsenic, dissolved	7440-38-2	1000	0.5	9	340
Boron, dissolved	7440-42-8	1020	100	5000	n/a
Cadmium, dissolved	7440-43-9	1025	1	n/a	0.6
Chromium, dissolved	7440-47-3	1030	10	n/a	210
Cobalt, dissolved	7440-48-4	1035	50	1000	n/a
Copper, dissolved	7440-50-8	1040	0.5	n/a	4.3
Lead, dissolved	7439-92-1	1049	0.5	n/a	17
Mercury	7439-97-6	71900	0.005	0.77	1.4
Nickel, dissolved	7440-02-0	1067	0.5	n/a	170
Selenium	7782-49-2	1147	5	5	20
Silver, dissolved	7440-22-4	1075	0.5	n/a	0.4
Thallium, dissolved	7440-28-0	1057	0.5	6.3	n/a
Vanadium, dissolved	7440-62-2	1085	50	100	n/a
Zinc, dissolved	7440-66-6	1090	20	n/a	42
<b>Cyanide</b>					
Cyanide, weak acid dissociable	n/a	718	10	5.2	22
<b>Dioxin</b>					
Tetrachlorodibenzo-p-dioxin(2,3,7,8-)	1746-01-6	34675	0.00001	5.1E-08	n/a
<b>Semivolatile Compounds</b>					
Benzo(a)pyrene	50-32-8	34247	5	0.18	n/a
Hexachlorobenzene	118-74-1	39700	5	0.0029	
Pentachlorophenol	87-86-5	39032	5	n/a	19
<b>Pesticides</b>					
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	n/a	0.22
Beta-Endosulfan	33213-65-9	34356	0.02	n/a	0.22
Chlordane	57-74-9	39350	0.2	0.0081	2.4
Dieldrin	60-57-1	39380	0.02	0.00054	0.24

Table B-3 (continued)

Pollutant (Total unless Otherwise Indicated)	Chemical Abstracts Service Number	STORET Code <sup>a</sup>	MQL (µg/L)	ATAL (µg/L)	MTAL (µg/L)
Endrin	72-20-8	39390	0.02	n/a	0.086
Gamma- benzene hexachloride	58-89-9	39340	0.05	n/a	0.95
Heptachlor	76-44-8	39410	0.01	n/a	0.52
Heptachlor Epoxide	1024-57-3	39420	0.01	n/a	0.52
Toxaphene	8001-35-2	39400	0.3	n/a	0.73
<b>PCBs</b>					
PCBs	1336-36-3	39516	n/a	0.00064	n/a
<b>High Explosives</b>					
TNT	118-96-7	81307	n/a	20	n/a
RDX	121-82-4	81364	n/a	200	n/a

<sup>a</sup> STORET code is the ID used by the EPA STORET database to identify each chemical constituent.

<sup>b</sup> "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 byproduct 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.

<sup>c</sup> n/a = Not applicable.

**Table B-4**  
**Missing Analyses for Pollutants of Concern**

SMA	Chain of Custody	Field Sample ID	Sample Collection Date	Analyte	Comment
PT-SMA-1	2018-66	WT_IPC-17-135610	9/26/2017	Hexachlorobenzene	Holding time is exceeded. Non-detected result is not rejected.
W-SMA-9.5	2018-190	WT_IPC-17-147842	9/27/2017	RDX, TNT	Holding time is exceeded. Non-detected result is not rejected.
LA-SMA-1	2017-2410	WT_IPC-17-135148	7/26/2017	Cyanide, weak acid dissociable	Holding time is exceeded. Non-detected result is not rejected.

**Table B-5  
Cyanide and Mercury Holding Times**

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Preparation Date	Analysis Holding Time (Days)	Required Analysis Holding Time (Days)	Exceeds (Yes [Y]/ No [N])
2M-SMA-3	General Chemistry	Cyanide, weak acid dissociable	2017-2164	WT_IPC-17-135506	7/26/17	8/4/17	9	14	N
2M-SMA-3	Inorganic	Mercury	2017-2164	WT_IPC-17-135506	7/26/17	8/14/17	19	28	N
2M-SMA-3	General Chemistry	Cyanide, weak acid dissociable	2018-320	WT_IPC-17-135513	10/4/17	10/16/17	12	14	N
2M-SMA-3	Inorganic	Mercury	2018-320	WT_IPC-17-135513	10/4/17	10/18/17	14	28	N
ACID-SMA-2	General Chemistry	Cyanide, weak acid dissociable	2017-1961	WT_IPC-17-135520	7/8/17	7/17/17	9	14	N
ACID-SMA-2	Inorganic	Mercury	2017-1961	WT_IPC-17-135520	7/8/17	7/17/17	9	28	N
ACID-SMA-2	General Chemistry	Cyanide, weak acid dissociable	2017-2327	WT_IPC-17-135527	7/26/17	8/9/17	14	14	N
ACID-SMA-2	Inorganic	Mercury	2017-2327	WT_IPC-17-135527	7/26/17	8/15/17	20	28	N
ACID-SMA-2.1	General Chemistry	Cyanide, weak acid dissociable	2017-2467	WT_IPC-17-135526	8/7/17	8/16/17	9	14	N
ACID-SMA-2.1	Inorganic	Mercury	2017-2467	WT_IPC-17-135526	8/7/17	8/28/17	21	28	N
ACID-SMA-2.1	General Chemistry	Cyanide, weak acid dissociable	2017-2598	WT_IPC-17-135533	8/23/17	9/6/17	14	14	N
ACID-SMA-2.1	Inorganic	Mercury	2017-2598	WT_IPC-17-135533	8/23/17	9/7/17	15	28	N
CDV-SMA-2.42	General Chemistry	Cyanide, weak acid dissociable	2017-1868	WT_IPC-17-135521	6/25/17	7/3/17	8	14	N
CDV-SMA-2.42	Inorganic	Mercury	2017-1868	WT_IPC-17-135521	6/25/17	7/6/17	11	28	N
CDV-SMA-2.42	General Chemistry	Cyanide, weak acid dissociable	2018-427	WT_IPC-17-135528	10/5/17	10/16/17	11	14	N
CDV-SMA-2.42	Inorganic	Mercury	2018-427	WT_IPC-17-135528	10/5/17	10/30/17	25	28	N

Table B-5 (continued)

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Preparation Date	Analysis Holding Time (Days)	Required Analysis Holding Time (Days)	Exceeds (Yes [Y]/ No [N])
LA-SMA-1	General Chemistry	Cyanide, weak acid dissociable	2017-2410	WT_IPC-17-135148	7/26/17	8/14/17	19	14	Y
LA-SMA-1	Inorganic	Mercury	2017-2410	WT_IPC-17-135148	7/26/17	8/16/17	21	28	N
PT-SMA-1	General Chemistry	Cyanide, weak acid dissociable	2018-66	WT_IPC-17-135610	9/26/17	10/9/17	13	14	N
PT-SMA-1	Inorganic	Mercury	2018-66	WT_IPC-17-135610	9/26/17	10/11/17	15	28	N
S-SMA-6	General Chemistry	Cyanide, weak acid dissociable	2017-2206	WT_IPC-17-135188	7/27/17	8/4/17	8	14	N
S-SMA-6	Inorganic	Mercury	2017-2206	WT_IPC-17-135188	7/27/17	8/14/17	18	28	N
S-SMA-6	General Chemistry	Cyanide, weak acid dissociable	2018-159	WT_IPC-17-135189	9/29/17	10/9/17	10	14	N
S-SMA-6	Inorganic	Mercury	2018-159	WT_IPC-17-135189	9/29/17	10/16/17	17	28	N
STRM-SMA-4.2	General Chemistry	Cyanide, weak acid dissociable	2017-2227	WT_IPC-17-135495	7/29/17	8/4/17	6	14	N
STRM-SMA-4.2	Inorganic	Mercury	2017-2227	WT_IPC-17-135495	7/29/17	8/17/17	19	28	N
STRM-SMA-4.2	General Chemistry	Cyanide, weak acid dissociable	2018-162	WT_IPC-17-135504	9/27/17	10/9/17	12	14	N
STRM-SMA-4.2	Inorganic	Mercury	2018-162	WT_IPC-17-135504	9/27/17	10/13/17	16	28	N
T-SMA-7	General Chemistry	Cyanide, weak acid dissociable	2017-2778	WT_IPC-17-133273	9/12/17	9/21/17	9	14	N
T-SMA-7	Inorganic	Mercury	2017-2778	WT_IPC-17-133273	9/12/17	9/21/17	9	28	N
W-SMA-1.5	General Chemistry	Cyanide, weak acid dissociable	2018-200	WT_IPC-17-135601	9/28/17	10/9/17	11	14	N
W-SMA-1.5	Inorganic	Mercury	2018-200	WT_IPC-17-135601	9/28/17	10/16/17	18	28	N
W-SMA-9.5	General Chemistry	Cyanide, weak acid dissociable	2017-1845	WT_IPC-17-133275	6/25/17	7/3/17	8	14	N
W-SMA-9.5	Inorganic	Mercury	2017-1845	WT_IPC-17-133275	6/25/17	6/30/17	5	28	N

**Table B-6  
Organic Compound Holding Times**

SMA	Suite	Analyte	Chain of Custody	Sample	Sample Date	Prep Date	Extraction Holding Time (Days)	Required Extraction Holding Time (Days)	Exceeds (Yes [Y]/ No [N])
PT-SMA-1	PESTPCB	Hexachlorobenzene	2018-66	WT_IPC-17-135610	9/26/17	10/6/17	10	7	Y
PT-SMA-1	LCMS/MS High Explosives	TNT	2018-66	WT_IPC-17-135610	9/26/17	10/3/17	7	7	N
PT-SMA-1	LCMS/MS High Explosives	RDX	2018-66	WT_IPC-17-135610	9/26/17	10/3/17	7	7	N
PT-SMA-1	SVOC	Benzo(a)pyrene	2018-66	WT_IPC-17-135610	9/26/17	10/3/17	7	7	N
PT-SMA-1	SVOC	Pentachlorophenol	2018-66	WT_IPC-17-135610	9/26/17	10/3/17	7	7	N
W-SMA-9.5	LCMS/MS High Explosives	TNT	2018-190	WT_IPC-17-147842	9/27/17	10/9/17	12	7	Y
W-SMA-9.5	LCMS/MS High Explosives	RDX	2018-190	WT_IPC-17-147842	9/27/17	10/9/17	12	7	Y
S-SMA-6	LCMS/MS High Explosives	TNT	2017-2206	WT_IPC-17-135188	7/27/17	8/2/17	6	7	N
S-SMA-6	LCMS/MS High Explosives	RDX	2017-2206	WT_IPC-17-135188	7/27/17	8/2/17	6	7	N
S-SMA-6	LCMS/MS High Explosives	TNT	2018-159	WT_IPC-17-135189	9/29/17	10/5/17	6	7	N
S-SMA-6	LCMS/MS High Explosives	RDX	2018-159	WT_IPC-17-135189	9/29/17	10/5/17	6	7	N
3M-SMA-4	LCMS/MS High Explosives	TNT	2017-2181	WT_IPC-17-135472	7/26/17	8/2/17	7	7	N
3M-SMA-4	LCMS/MS High Explosives	RDX	2017-2181	WT_IPC-17-135472	7/26/17	8/2/17	7	7	N
2M-SMA-3	LCMS/MS High Explosives	TNT	2017-2164	WT_IPC-17-135506	7/26/17	8/2/17	7	7	N
2M-SMA-3	LCMS/MS High Explosives	RDX	2017-2164	WT_IPC-17-135506	7/26/17	8/2/17	7	7	N
2M-SMA-3	LCMS/MS High Explosives	TNT	2018-320	WT_IPC-17-135513	10/4/17	10/11/17	7	7	N
2M-SMA-3	LCMS/MS High Explosives	RDX	2018-320	WT_IPC-17-135513	10/4/17	10/11/17	7	7	N

B-10

**Table B-7  
Results for Metals**

Permitted Feature	SMA	Station Number	COC <sup>a</sup>	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)
E014	2M-SMA-3	SS2439	2017-2164	WT_IPC-17-135394	7/26/2017	F <sup>b</sup>	105	<1	<2	<15	<0.3	<3	<1	1.56	<0.5	— <sup>c</sup>	0.673	—	<0.3	<0.6	<1	<3.3
E014	2M-SMA-3	SS2439	2017-2164	WT_IPC-17-135506	7/26/2017	UF <sup>d</sup>	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—	—
E014	2M-SMA-3	SS2439	2018-320	WT_IPC-17-135424	10/4/2017	F	539	<1	<2	<15	<0.3	<3	<1	1.36	<0.5	—	0.623	—	<0.3	<0.6	<1	<3.3
E014	2M-SMA-3	SS2439	2018-320	WT_IPC-17-135513	10/4/2017	UF	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—	—
H006	3M-SMA-4	SS101504	2017-2181	WT_IPC-17-135374	7/26/2017	F	—	—	—	—	—	—	—	8.11	—	—	—	—	—	—	—	—
P002	ACID-SMA-2	SS170106	2017-1961	WT_IPC-17-135396	7/8/2017	F	139	<1	<2	<15	<0.3	<3	<1	3.14	0.782	—	1.25	—	<0.3	<0.6	<1	8.55
P002	ACID-SMA-2	SS170106	2017-1961	WT_IPC-17-135520	7/8/2017	UF	—	—	—	—	—	—	—	—	0.262	—	<2	—	—	—	—	—
P002	ACID-SMA-2	SS170106	2017-2327	WT_IPC-17-135426	7/26/2017	F	798	<1	<2	<15	<0.3	<3	<1	3.45	1.52	—	1.56	—	<0.3	<0.6	1.07	16
P002	ACID-SMA-2	SS170106	2017-2327	WT_IPC-17-135527	7/26/2017	UF	—	—	—	—	—	—	—	—	0.296	—	<2	—	—	—	—	—
P003	ACID-SMA-2.1	SS100104	2017-2467	WT_IPC-17-135418	8/7/2017	F	906	<1	<2	37.4	<0.3	<3	<1	4.69	1.29	—	1.25	—	<0.3	<0.6	3.25	20.8
P003	ACID-SMA-2.1	SS100104	2017-2467	WT_IPC-17-135526	8/7/2017	UF	—	—	—	—	—	—	—	—	0.168	—	<2	—	—	—	—	—
P003	ACID-SMA-2.1	SS100104	2017-2598	WT_IPC-17-135448	8/23/2017	F	604	<1	<2	26.4	<0.3	<3	<1	3.27	1.16	—	1.18	—	<0.3	0.708	1.99	20.6
P003	ACID-SMA-2.1	SS100104	2017-2598	WT_IPC-17-135533	8/23/2017	UF	—	—	—	—	—	—	—	—	0.211	—	<2	—	—	—	—	—
V008A	CDV-SMA-2.42	SS150427	2017-1868	WT_IPC-17-135399	6/25/2017	F	3470	<1	<2	18.2	<0.3	<3	<1	5.54	3.12	—	1.88	—	<0.3	<0.6	5.95	16.5
V008A	CDV-SMA-2.42	SS150427	2017-1868	WT_IPC-17-135521	6/25/2017	UF	—	—	—	—	—	—	—	—	0.119	—	2.99	—	—	—	—	—
V008A	CDV-SMA-2.42	SS150427	2018-427	WT_IPC-17-135429	10/5/2017	F	340	<1	<2	<15	<0.3	<3	<1	1.23	<0.5	—	<0.6	—	<0.3	<0.6	2.1	<3.3
V008A	CDV-SMA-2.42	SS150427	2018-427	WT_IPC-17-135528	10/5/2017	UF	—	—	—	—	—	—	—	—	0.076	—	<2	—	—	—	—	—
L003	LA-SMA-1	SS121044	2017-2410	WT_IPC-17-135141	7/26/2017	F	248	1.14	<2	34.4	<0.3	<3	<1	3.03	<0.5	—	1.49	—	<0.3	<0.6	6.41	<3.3
L003	LA-SMA-1	SS121044	2017-2410	WT_IPC-17-135148	7/26/2017	UF	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—	—
L006	LA-SMA-2.1	SS170148	2017-2412	WT_IPC-17-135172	7/26/2017	F	—	—	—	—	—	—	—	3.66	—	—	—	—	—	—	—	—
M002	M-SMA-1.2	SS091202	2018-201	WT_IPC-17-135382	9/29/2017	F	—	—	8.2	—	—	—	—	55	—	—	—	—	—	—	—	—
I002	PT-SMA-1	SS174821	2018-66	WT_IPC-17-135588	9/26/2017	F	260	3.31	<2	22.1	<0.3	<3	1.59	4.8	<0.5	—	0.85	—	<0.3	<0.6	<1	6.26
I002	PT-SMA-1	SS174821	2018-66	WT_IPC-17-135610	9/26/2017	UF	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—	—
S016	S-SMA-6	SS171637	2017-2206	WT_IPC-17-135175	7/27/2017	F	1070	78.7	<2	<15	<0.3	<3	2.1	65.3	129	—	2.06	—	<0.3	<0.6	<1	4.94
S016	S-SMA-6	SS171637	2017-2206	WT_IPC-17-135188	7/27/2017	UF	—	—	—	—	—	—	—	—	0.552	—	9.9	—	—	—	—	—
S016	S-SMA-6	SS171637	2018-159	WT_IPC-17-135178	9/29/2017	F	378	7.94	<2	<15	<0.3	<3	<1	9.73	36.5	—	<0.6	—	<0.3	<0.6	<1	<3.3
S016	S-SMA-6	SS171637	2018-159	WT_IPC-17-135189	9/29/2017	UF	—	—	—	—	—	—	—	—	0.073	—	<2	—	—	—	—	—
J030	STRM-SMA-4.2	SS173009	2017-2227	WT_IPC-17-135421	7/29/2017	F	2190	<1	<2	82.1	<0.3	<3	<1	8.81	1.43	—	1.88	—	0.519	<0.6	5.27	26.8

Table B-7 (continued)

Permitted Feature	SMA	Station Number	COC	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)
J030	STRM-SMA-4.2	SS173009	2017-2227	WT_IPC-17-135495	7/29/2017	UF	—	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—
J030	STRM-SMA-4.2	SS173009	2018-162	WT_IPC-17-135451	9/27/2017	F	1980	<1	<2	87.2	<0.3	<3	<1	5.26	1.46	—	1.55	—	<0.3	<0.6	3.91	12.3
J030	STRM-SMA-4.2	SS173009	2018-162	WT_IPC-17-135504	9/27/2017	UF	—	—	—	—	—	—	—	—	—	0.079	—	<2	—	—	—	—
T009	T-SMA-7	SS20143	2017-2778	WT_IPC-17-133234	9/12/2017	F	207	<1	<2	<15	<0.3	<3	<1	4.24	<0.5	—	0.784	—	<0.3	<0.6	<1	4.02
T009	T-SMA-7	SS20143	2017-2778	WT_IPC-17-133273	9/12/2017	UF	—	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—
W002	W-SMA-1.5	SS153942	2018-200	WT_IPC-17-135590	9/28/2017	F	584	<1	<2	<15	<0.3	<3	<1	3.06	<0.5	—	0.699	—	<0.3	<0.6	1.22	6.07
W002	W-SMA-1.5	SS153942	2018-200	WT_IPC-17-135601	9/28/2017	UF	—	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—
W014	W-SMA-9.5	SS173945	2017-1845	WT_IPC-17-133238	6/25/2017	F	186	<1	<2	15.9	<0.3	<3	1.64	2.17	<0.5	—	0.861	—	<0.3	<0.6	3.16	<3.3
W014	W-SMA-9.5	SS173945	2017-1845	WT_IPC-17-133275	6/25/2017	UF	—	—	—	—	—	—	—	—	—	1.1	—	<2	—	—	—	—
W014	W-SMA-9.5	SS173945	2018-190	WT_IPC-17-147844	9/27/2017	F	104	<1	<2	<15	<0.3	<3	<1	0.504	<0.5	—	<0.6	—	<0.3	<0.6	<1	<3.3
W014	W-SMA-9.5	SS173945	2018-190	WT_IPC-17-147845	9/27/2017	UF	—	—	—	—	—	—	—	—	—	<0.067	—	<2	—	—	—	—

<sup>a</sup> COC = Chain of custody.

<sup>b</sup> UF = Unfiltered.

<sup>c</sup> — = The sample is not analyzed for the associated parameters.

<sup>d</sup> F = Filtered.

**Table B-8**  
**IP Results for Non-Metals**

Permitted Feature	SMA	Station Number	COC <sup>a</sup>	Sample	Sample Date	Field Prep	Cyanide		Radioactivity		PCBs	Semivolatile Compounds			High Explosives	
							Cyanide, weak acid dissociable ASTM:D2036 (mg/L)	Cyanide, weak acid dissociable SM:4500CN-1 (mg/L)	Gross alpha EPA:900 (pCi/L)	Radium-226 and Radium-228 Generic:Radium by Calculation (pCi/L)	Total PCB EPA:1668C (µg/L)	Benzo(a)pyrene EPA:625 (µg/L)	Hexachlorobenzene SW-846:8081B (µg/L)	Pentachlorophenol EPA:625 (µg/L)	RDX SW-846:8330B (µg/L)	TNT SW-846:8330B (µg/L)
E014	2M-SMA-3	SS2439	2017-2164	WT_IPC-17-135506	7/26/2017	UF <sup>b</sup>	— <sup>c</sup>	<0.00167	1.83	1.11	—	—	—	—	<0.0952	<0.0952
E014	2M-SMA-3	SS2439	2018-320	WT_IPC-17-135513	10/4/2017	UF	—	0.00424	16.2	<1.26	—	—	—	—	0.11	<0.0964
H006	3M-SMA-4	SS101504	2017-2181	WT_IPC-17-135472	7/26/2017	UF	—	—	9.4	—	—	—	—	—	<0.0952	<0.0952
P002	ACID-SMA-2	SS170106	2017-1961	WT_IPC-17-135520	7/8/2017	UF	—	<0.00167	236	2.5	—	—	—	—	—	—
P002	ACID-SMA-2	SS170106	2017-1979	WT_IPC-17-135520	7/8/2017	UF	—	—	—	—	0.0573	—	—	—	—	—
P002	ACID-SMA-2	SS170106	2017-2327	WT_IPC-17-135527	7/26/2017	UF	—	<0.00167	47.9	4.26	—	—	—	—	—	—
P002	ACID-SMA-2	SS170106	2017-2367	WT_IPC-17-135527	7/26/2017	UF	—	—	—	—	0.105	—	—	—	—	—
P003	ACID-SMA-2.1	SS100104	2017-2467	WT_IPC-17-135526	8/7/2017	UF	—	<0.00167	66.1	<1.16	—	—	—	—	—	—
P003	ACID-SMA-2.1	SS100104	2017-2468	WT_IPC-17-135526	8/7/2017	UF	—	—	—	—	0.0387	—	—	—	—	—
P003	ACID-SMA-2.1	SS100104	2017-2598	WT_IPC-17-135533	8/23/2017	UF	—	<0.00167	80.2	1.29	—	—	—	—	—	—
P003	ACID-SMA-2.1	SS100104	2017-2599	WT_IPC-17-135533	8/23/2017	UF	—	—	—	—	0.0482	—	—	—	—	—
V008A	CDV-SMA-2.42	SS150427	2017-1868	WT_IPC-17-135521	6/25/2017	UF	<0.00167	—	136	2.42	—	—	—	—	—	—
V008A	CDV-SMA-2.42	SS150427	2017-1880	WT_IPC-17-135521	6/25/2017	UF	—	—	—	—	0.0337	—	—	—	—	—
V008A	CDV-SMA-2.42	SS150427	2018-427	WT_IPC-17-135528	10/5/2017	UF	—	0.00434	29.2	1.8	—	—	—	—	—	—
V008A	CDV-SMA-2.42	SS150427	2018-428	WT_IPC-17-135528	10/5/2017	UF	—	—	—	—	0.026	—	—	—	—	—
L003	LA-SMA-1	SS121044	2017-2410	WT_IPC-17-135148	7/26/2017	UF	—	<0.00167	31.1	5.26	—	—	—	—	—	—
L003	LA-SMA-1	SS121044	2017-2420	WT_IPC-17-135148	7/26/2017	UF	—	—	—	—	0.0232	—	—	—	—	—
L006	LA-SMA-2.1	SS170148	2017-2412	WT_IPC-17-135180	7/26/2017	UF	—	—	27.3	—	—	—	—	—	—	—
L006	LA-SMA-2.1	SS170148	2017-2422	WT_IPC-17-135180	7/26/2017	UF	—	—	—	—	3.98	—	—	—	—	—
I002	PT-SMA-1	SS174821	2018-66	WT_IPC-17-135610	9/26/2017	UF	—	<0.00167	17.6	<0.894	—	<0.0326	<0.00694	<3.23	<0.101	<0.101
S016	S-SMA-6	SS171637	2017-2198	WT_IPC-17-135188	7/27/2017	UF	—	—	—	—	0.00441	—	—	—	—	—
S016	S-SMA-6	SS171637	2017-2206	WT_IPC-17-135188	7/27/2017	UF	—	0.00171	116	21.7	—	—	—	—	<0.16	<0.16
S016	S-SMA-6	SS171637	2018-159	WT_IPC-17-135189	9/29/2017	UF	—	<0.00167	6.6	<0.411	—	—	—	—	<0.105	<0.105
S016	S-SMA-6	SS171637	2018-163	WT_IPC-17-135189	9/29/2017	UF	—	—	—	—	0.00241	—	—	—	—	—



Table B-8 (continued)

Permitted Feature	SMA	Station Number	COC	Sample	Sample Date	Field Prep	Cyanide		Radioactivity		PCBs	Semivolatile Compounds			High Explosives	
							Cyanide, weak acid dissociable ASTM:D2036 (mg/L)	Cyanide, weak acid dissociable SM:4500CN-I (mg/L)	Gross alpha EPA:900 (pCi/L)	Radium-226 and Radium-228 Generic:Radium by Calculation (pCi/L)	Total PCB EPA:1668C (µg/L)	Benzo(a)pyrene EPA:625 (µg/L)	Hexachlorobenzene SW-846:8081B (µg/L)	Pentachlorophenol EPA:625 (µg/L)	RDX SW-846:8330B (µg/L)	Trinitrotoluene[2,4,6-] SW-846:8330B (µg/L)
J030	STRM-SMA-4.2	SS173009	2017-2227	WT_IPC-17-135495	7/29/2017	UF	—	<0.00167	4.7	<0.286	—	—	—	—	—	—
J030	STRM-SMA-4.2	SS173009	2018-162	WT_IPC-17-135504	9/27/2017	UF	—	<0.00167	3.52	1.26	—	—	—	—	—	—
T009	T-SMA-7	SS20143	2017-2778	WT_IPC-17-133273	9/12/2017	UF	—	<0.00167	18.1	1.75	—	—	—	—	—	—
W002	W-SMA-1.5	SS153942	2018-200	WT_IPC-17-135601	9/28/2017	UF	—	<0.00167	<0.197	<0.688	—	—	—	—	—	—
W014	W-SMA-9.5	SS173945	2017-1845	WT_IPC-17-133275	6/25/2017	UF	<0.00167	—	81	2.1	—	—	—	—	—	—
W014	W-SMA-9.5	SS173945	2018-190	WT_IPC-17-147842	9/27/2017	UF	—	—	—	—	—	—	—	<0.1	<0.1	—

<sup>a</sup> COC = Chain of custody.

<sup>b</sup> UF = Unfiltered.

<sup>c</sup> — = The sample is not analyzed for the associated parameters.

Table B-9  
2017 Compliance Results Screened to TALs

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range <sup>a</sup>
2M-SMA-3	General Chemistry	Cyanide, weak acid dissociable	mg/L	2	1	50	10	0.0033	0	22	0	0	(0.00167) to 0.00424
2M-SMA-3	Inorganic	Aluminum	µg/L	2	2	100	n/a <sup>b</sup>	n/a	n/a	750	0	0	105 to 539
2M-SMA-3	Inorganic	Antimony	µg/L	2	0	0	640	0	0	n/a	n/a	n/a	(1)
2M-SMA-3	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
2M-SMA-3	Inorganic	Boron	µg/L	2	0	0	5000	0	0	n/a	n/a	n/a	(15)
2M-SMA-3	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
2M-SMA-3	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
2M-SMA-3	Inorganic	Cobalt	µg/L	2	0	0	1000	0	0	n/a	n/a	n/a	(1)
2M-SMA-3	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	0	0	1.36 to 1.56
2M-SMA-3	Inorganic	Lead	µg/L	2	0	0	n/a	n/a	n/a	17	0	0	(0.5)
2M-SMA-3	Inorganic	Mercury	µg/L	2	0	0	0.77	0	0	1.4	0	0	(0.067)
2M-SMA-3	Inorganic	Nickel	µg/L	2	2	100	n/a	n/a	n/a	170	0	0	0.623 to 0.673

Table B-9 (continued)

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
2M-SMA-3	INORGANIC	Selenium	µg/L	2	0	0	5	0	0	20	0	0	(2)
2M-SMA-3	INORGANIC	Silver	µg/L	2	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
2M-SMA-3	INORGANIC	Thallium	µg/L	2	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
2M-SMA-3	INORGANIC	Vanadium	µg/L	2	0	0	100	0	0	n/a	n/a	n/a	(1)
2M-SMA-3	INORGANIC	Zinc	µg/L	2	0	0	n/a	n/a	n/a	42	0	0	(3.3)
2M-SMA-3	LCMS/MS High Explosives	RDX	µg/L	2	1	50	200	0.128	0	n/a	n/a	n/a	(0.0952) to 0.11
2M-SMA-3	LCMS/MS High Explosives	Trinitrotoluene[2,4,6-]	µg/L	2	0	0	20	0	0	n/a	n/a	n/a	(0.0952) to (0.0964)
2M-SMA-3	RAD	Gross alpha	pCi/L	2	2	100	15	5.44	1	n/a	n/a	n/a	1.83 to 16.2
2M-SMA-3	RAD	Radium-226 and Radium-228	pCi/L	2	1	50	30	1.11	0	n/a	n/a	n/a	(1.11) to 1.26
3M-SMA-4	INORGANIC	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	1	100	8.11
3M-SMA-4	LCMS/MS High Explosives	RDX	µg/L	1	0	0	200	0	0	n/a	n/a	n/a	(0.0952)
3M-SMA-4	LCMS/MS High Explosives	Trinitrotoluene[2,4,6-]	µg/L	1	0	0	20	0	0	n/a	n/a	n/a	(0.0952)
3M-SMA-4	RAD	Gross alpha	pCi/L	1	1	100	15	9.4	0	n/a	n/a	n/a	9.4
ACID-SMA-2	General Chemistry	Cyanide, weak acid dissociable	mg/L	2	0	0	10	0	0	22	0	0	(0.00167)
ACID-SMA-2	Inorganic	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	1	50	139 to 798
ACID-SMA-2	Inorganic	Antimony	µg/L	2	0	0	640	0	0	n/a	n/a	n/a	(1)
ACID-SMA-2	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
ACID-SMA-2	Inorganic	Boron	µg/L	2	0	0	5000	0	0	n/a	n/a	n/a	(15)
ACID-SMA-2	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
ACID-SMA-2	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
ACID-SMA-2	Inorganic	Cobalt	µg/L	2	0	0	1000	0	0	n/a	n/a	n/a	(1)
ACID-SMA-2	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	0	0	3.14 to 3.45
ACID-SMA-2	Inorganic	Lead	µg/L	2	2	100	n/a	n/a	n/a	17	0	0	0.782 to 1.52
ACID-SMA-2	Inorganic	Mercury	µg/L	2	2	100	0.77		0	1.4	0	0	0.262 to 0.296
ACID-SMA-2	Inorganic	Nickel	µg/L	2	2	100	n/a	n/a	n/a	170	0	0	1.25 to 1.56
ACID-SMA-2	Inorganic	Selenium	µg/L	2	0	0	5	0	0	20	0	0	(2)
ACID-SMA-2	Inorganic	Silver	µg/L	2	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
ACID-SMA-2	Inorganic	Thallium	µg/L	2	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
ACID-SMA-2	Inorganic	Vanadium	µg/L	2	1	50	100	1.07	0	n/a	n/a	n/a	(1) to 1.07
ACID-SMA-2	Inorganic	Zinc	µg/L	2	2	100	n/a	n/a	n/a	42	0	0	8.55 to 16
ACID-SMA-2	PCB CONGENERS	Total PCB	µg/L	2	2	100	0.00064	0.08	2	n/a	n/a	n/a	0.0573 to 0.105
ACID-SMA-2	RAD	Gross alpha	pCi/L	2	2	100	15	106.32	2	n/a	n/a	n/a	47.9 to 236
ACID-SMA-2	RAD	Radium-226 and Radium-228	pCi/L	2	2	100	30	3.26	0	n/a	n/a	n/a	2.5 to 4.26
ACID-SMA-2.1	General Chemistry	Cyanide, weak acid dissociable	mg/L	2	0	0	10	0	0	22	0	0	(0.00167)
ACID-SMA-2.1	Inorganic	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	1	50	604 to 906
ACID-SMA-2.1	Inorganic	Antimony	µg/L	2	0	0	640	0	0	n/a	n/a	n/a	(1)
ACID-SMA-2.1	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
ACID-SMA-2.1	Inorganic	Boron	µg/L	2	2	100	5000	36.78	0	n/a	n/a	n/a	26.4 to 37.4

Table B-9 (continued)

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
ACID-SMA-2.1	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
ACID-SMA-2.1	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
ACID-SMA-2.1	Inorganic	Cobalt	µg/L	2	0	0	1000	0	0	n/a	n/a	n/a	(1)
ACID-SMA-2.1	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	1	50	3.27 to 4.69
ACID-SMA-2.1	Inorganic	Lead	µg/L	2	2	100	n/a	n/a	n/a	17	0	0	1.16 to 1.29
ACID-SMA-2.1	Inorganic	Mercury	µg/L	2	2	100	0.77		0	1.4	0	0	0.168 to 0.211
ACID-SMA-2.1	Inorganic	Nickel	µg/L	2	2	100	n/a	n/a	n/a	170	0	0	1.18 to 1.25
ACID-SMA-2.1	Inorganic	Selenium	µg/L	2	0	0	5	0	0	20	0	0	(2)
ACID-SMA-2.1	Inorganic	Silver	µg/L	2	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
ACID-SMA-2.1	Inorganic	Thallium	µg/L	2	1	50	6.3	0	0	n/a	n/a	n/a	(0.6) to 0.708
ACID-SMA-2.1	Inorganic	Vanadium	µg/L	2	2	100	100		0	n/a	n/a	n/a	1.99 to 3.25
ACID-SMA-2.1	Inorganic	Zinc	µg/L	2	2	100	n/a	n/a	n/a	42	0	0	20.6 to 20.8
ACID-SMA-2.1	PCBCONGENERS	Total PCB	µg/L	2	2	100	0.00064	0.03	2	n/a	n/a	n/a	0.0387 to 0.0482
ACID-SMA-2.1	RAD	Gross alpha	pCi/L	2	2	100	15	41.21	2	n/a	n/a	n/a	66.1 to 80.2
ACID-SMA-2.1	RAD	Radium-226 and Radium-228	pCi/L	2	1	50	30		0	n/a	n/a	n/a	(1.16) to 1.29
CDV-SMA-2.42	General Chemistry	Cyanide, weak acid dissociable	mg/L	2	1	50	10	0	0	22	0	0	(0.00167) to 0.00434
CDV-SMA-2.42	Inorganic	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	1	50	340 to 3470
CDV-SMA-2.42	Inorganic	Antimony	µg/L	2	0	0	640	0	0	n/a	n/a	n/a	(1)
CDV-SMA-2.42	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
CDV-SMA-2.42	Inorganic	Boron	µg/L	2	1	50	5000	18.2	0	n/a	n/a	n/a	(15) to 18.2
CDV-SMA-2.42	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
CDV-SMA-2.42	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
CDV-SMA-2.42	Inorganic	Cobalt	µg/L	2	0	0	1000	0	0	n/a	n/a	n/a	(1)
CDV-SMA-2.42	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	1	50	1.23 to 5.54
CDV-SMA-2.42	Inorganic	Lead	µg/L	2	1	50	n/a	n/a	n/a	17	0	0	(0.5) to 3.12
CDV-SMA-2.42	Inorganic	Mercury	µg/L	2	2	100	0.77		0	1.4	0	0	0.076 to 0.119
CDV-SMA-2.42	Inorganic	Nickel	µg/L	2	1	50	n/a	n/a	n/a	170	0	0	(0.6) to 1.88
CDV-SMA-2.42	Inorganic	Selenium	µg/L	2	1	50	5	2.99	0	20	0	0	(2) to 2.99
CDV-SMA-2.42	Inorganic	Silver	µg/L	2	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
CDV-SMA-2.42	Inorganic	Thallium	µg/L	2	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
CDV-SMA-2.42	Inorganic	Vanadium	µg/L	2	2	100	100		0	n/a	n/a	n/a	2.1 to 5.95
CDV-SMA-2.42	Inorganic	Zinc	µg/L	2	1	50	n/a	n/a	n/a	42	0	0	(3.3) to 16.5
CDV-SMA-2.42	PCBCONGENERS	Total PCB	µg/L	2	2	100	0.00064	0.03	2	n/a	n/a	n/a	0.026 to 0.0337
CDV-SMA-2.42	RAD	Gross alpha	pCi/L	2	2	100	15	63.02	2	n/a	n/a	n/a	29.2 to 136
CDV-SMA-2.42	RAD	Radium-226 and Radium-228	pCi/L	2	2	100	30	2.09	0	n/a	n/a	n/a	1.8 to 2.42
LA-SMA-1	General Chemistry	Cyanide, weak acid dissociable	mg/L	1	0	0	10	0	0	22	0	0	(0.00167)
LA-SMA-1	Inorganic	Aluminum	µg/L	1	1	100	n/a	n/a	n/a	750	0	0	248
LA-SMA-1	Inorganic	Antimony	µg/L	1	1	100	640	0	0	n/a	n/a	n/a	1.14

Table B-9 (continued)

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
LA-SMA-1	Inorganic	Arsenic	µg/L	1	0	0	9	0	0	340	0	0	(2)
LA-SMA-1	Inorganic	Boron	µg/L	1	1	100	5000	34.4	0	n/a	n/a	n/a	34.4
LA-SMA-1	Inorganic	Cadmium	µg/L	1	0	0	n/a	n/a	n/a	1	0	0	(0.3)
LA-SMA-1	Inorganic	Chromium	µg/L	1	0	0	n/a	n/a	n/a	210	0	0	(3)
LA-SMA-1	Inorganic	Cobalt	µg/L	1	0	0	1000	0	0	n/a	n/a	n/a	(1)
LA-SMA-1	Inorganic	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	0	0	3.03
LA-SMA-1	Inorganic	Lead	µg/L	1	0	0	n/a	n/a	n/a	17	0	0	(0.5)
LA-SMA-1	Inorganic	Mercury	µg/L	1	0	0	0.77	0	0	1.4	0	0	(0.067)
LA-SMA-1	Inorganic	Nickel	µg/L	1	1	100	n/a	n/a	n/a	170	0	0	1.49
LA-SMA-1	Inorganic	Selenium	µg/L	1	0	0	5	0	0	20	0	0	(2)
LA-SMA-1	Inorganic	Silver	µg/L	1	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
LA-SMA-1	Inorganic	Thallium	µg/L	1	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
LA-SMA-1	Inorganic	Vanadium	µg/L	1	1	100	100		0	n/a	n/a	n/a	6.41
LA-SMA-1	Inorganic	Zinc	µg/L	1	0	0	n/a	n/a	n/a	42	0	0	(3.3)
LA-SMA-1	PCBCONGENERS	Total PCB	µg/L	1	1	100	0.00064	0.0232	1	n/a	n/a	n/a	0.0232
LA-SMA-1	RAD	Gross alpha	pCi/L	1	1	100	15	31.1	1	n/a	n/a	n/a	31.1
LA-SMA-1	RAD	Radium-226 and Radium-228	pCi/L	1	1	100	30	5.26	0	n/a	n/a	n/a	5.26
LA-SMA-2.1	Inorganic	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	0	0	3.66
LA-SMA-2.1	PCBCONGENERS	Total PCB	µg/L	1	1	100	0.00064	3.98	1	n/a	n/a	n/a	3.98
LA-SMA-2.1	RAD	Gross alpha	pCi/L	1	1	100	15	27.3	1	n/a	n/a	n/a	27.3
M-SMA-1.2	Inorganic	Arsenic	µg/L	1	1	100	9	8.2	0	340	0	0	8.2
M-SMA-1.2	Inorganic	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	1	100	55
PT-SMA-1	General Chemistry	Cyanide, weak acid dissociable	mg/L	1	0	0	10	0	0	22	0	0	(0.00167)
PT-SMA-1	Inorganic	Aluminum	µg/L	1	1	100	n/a	n/a	n/a	750	0	0	260
PT-SMA-1	Inorganic	Antimony	µg/L	1	1	100	640	3.1825	0	n/a	n/a	n/a	3.31
PT-SMA-1	Inorganic	Arsenic	µg/L	1	0	0	9	0	0	340	0	0	(2)
PT-SMA-1	Inorganic	Boron	µg/L	1	1	100	5000	22.1	0	n/a	n/a	n/a	22.1
PT-SMA-1	Inorganic	Cadmium	µg/L	1	0	0	n/a	n/a	n/a	1	0	0	(0.3)
PT-SMA-1	Inorganic	Chromium	µg/L	1	0	0	n/a	n/a	n/a	210	0	0	(3)
PT-SMA-1	Inorganic	Cobalt	µg/L	1	1	100	1000	1.166	0	n/a	n/a	n/a	1.59
PT-SMA-1	Inorganic	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	1	100	4.8
PT-SMA-1	Inorganic	Lead	µg/L	1	0	0	n/a	n/a	n/a	17	0	0	(0.5)
PT-SMA-1	Inorganic	Mercury	µg/L	1	0	0	0.77	0	0	1.4	0	0	(0.067)
PT-SMA-1	Inorganic	Nickel	µg/L	1	1	100	n/a	n/a	n/a	170	0	0	0.85
PT-SMA-1	Inorganic	Selenium	µg/L	1	0	0	5	0	0	20	0	0	(2)
PT-SMA-1	Inorganic	Silver	µg/L	1	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
PT-SMA-1	Inorganic	Thallium	µg/L	1	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
PT-SMA-1	Inorganic	Vanadium	µg/L	1	0	0	100	0	0	n/a	n/a	n/a	(1)

Table B-9 (continued)

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
PT-SMA-1	Inorganic	Zinc	µg/L	1	1	100	n/a	n/a	n/a	42	0	0	6.26
PT-SMA-1	LCMS/MS High Explosives	RDX	µg/L	1	0	0	200	0	0	n/a	n/a	n/a	(0.101)
PT-SMA-1	LCMS/MS High Explosives	Trinitrotoluene[2,4,6-]	µg/L	1	0	0	20	0	0	n/a	n/a	n/a	(0.101)
PT-SMA-1	PESTPCB	Hexachlorobenzene	µg/L	1	0	0	5	0	0	n/a	n/a	n/a	(0.00694)
PT-SMA-1	RAD	Gross alpha	pCi/L	1	1	100	15	17.6	1	n/a	n/a	n/a	17.6
PT-SMA-1	RAD	Radium-226 and Radium-228	pCi/L	1	0	0	30	0	0	n/a	n/a	n/a	(0.894)
PT-SMA-1	SVOC	Benzo(a)pyrene	µg/L	1	0	0	5	0	0	n/a	n/a	n/a	(0.0326)
PT-SMA-1	SVOC	Pentachlorophenol	µg/L	1	0	0	n/a	n/a	n/a	19	0	0	(3.23)
S-SMA-6	General Chemistry	Cyanide, weak acid dissociable	mg/L	2	1	50	10	0.0017	0	22	0	0	(0.00167) to 0.00171
S-SMA-6	Inorganic	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	1	50	378 to 1070
S-SMA-6	Inorganic	Antimony	µg/L	2	2	100	640	96.37	0	n/a	n/a	n/a	7.94 to 78.7
S-SMA-6	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
S-SMA-6	Inorganic	Boron	µg/L	2	0	0	5000	0	0	n/a	n/a	n/a	(15)
S-SMA-6	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
S-SMA-6	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
S-SMA-6	Inorganic	Cobalt	µg/L	2	1	50	1000	12.7326	0	n/a	n/a	n/a	(1) to 2.1
S-SMA-6	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	2	100	9.73 to 65.3
S-SMA-6	Inorganic	Lead	µg/L	2	2	100	n/a	n/a	n/a	17	2	100	36.5 to 129
S-SMA-6	Inorganic	Mercury	µg/L	2	2	100	0.77		0	1.4	0	0	0.073 to 0.552
S-SMA-6	Inorganic	Nickel	µg/L	2	1	50	n/a	n/a	n/a	170	0	0	(0.6) to 2.06
S-SMA-6	Inorganic	Selenium	µg/L	2	1	50	5	0	1	20	0	0	(2) to 9.9
S-SMA-6	Inorganic	Silver	µg/L	2	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
S-SMA-6	Inorganic	Thallium	µg/L	2	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
S-SMA-6	Inorganic	Vanadium	µg/L	2	0	0	100	0	0	n/a	n/a	n/a	(1)
S-SMA-6	Inorganic	Zinc	µg/L	2	1	50	n/a	n/a	n/a	42	0	0	(3.3) to 4.94
S-SMA-6	LCMS/MS High Explosives	RDX	µg/L	2	0	0	200	0	0	n/a	n/a	n/a	(0.105) to (0.16)
S-SMA-6	LCMS/MS High Explosives	Trinitrotoluene[2,4,6-]	µg/L	2	0	0	20	0	0	n/a	n/a	n/a	(0.105) to (0.16)
S-SMA-6	PCBCONGENERS	Total PCB	µg/L	2	2	100	0.00064	0.00	2	n/a	n/a	n/a	0.00241 to 0.00441
S-SMA-6	RAD	Gross alpha	pCi/L	2	2	100	15	27.67	1	n/a	n/a	n/a	6.6 to 116
S-SMA-6	RAD	Radium-226 and Radium-228	pCi/L	2	1	50	30	21.7	0	n/a	n/a	n/a	(0.411) to 21.7
STRM-SMA-4.2	General Chemistry	Cyanide, weak acid dissociable	mg/L	2	0	0	10	0	0	22	0	0	(0.00167)
STRM-SMA-4.2	Inorganic	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	2	100	1980 to 2190
STRM-SMA-4.2	Inorganic	Antimony	µg/L	2	0	0	640	0	0	n/a	n/a	n/a	(1)
STRM-SMA-4.2	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
STRM-SMA-4.2	Inorganic	Boron	µg/L	2	2	100	5000	84.61	0	n/a	n/a	n/a	82.1 to 87.2
STRM-SMA-4.2	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
STRM-SMA-4.2	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
STRM-SMA-4.2	Inorganic	Cobalt	µg/L	2	0	0	1000	0	0	n/a	n/a	n/a	(1)

Table B-9 (continued)

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
STRM-SMA-4.2	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	2	100	5.26 to 8.81
STRM-SMA-4.2	Inorganic	Lead	µg/L	2	2	100	n/a	n/a	n/a	17	0	0	1.43 to 1.46
STRM-SMA-4.2	Inorganic	Mercury	µg/L	2	1	50	0.77		0	1.4	0	0	(0.067) to 0.079
STRM-SMA-4.2	Inorganic	Nickel	µg/L	2	2	100	n/a	n/a	n/a	170	0	0	1.55 to 1.88
STRM-SMA-4.2	Inorganic	Selenium	µg/L	2	0	0	5	0	0	20	0	0	(2)
STRM-SMA-4.2	Inorganic	Silver	µg/L	2	1	50	n/a	n/a	n/a	0.5	1	50	(0.3) to 0.519
STRM-SMA-4.2	Inorganic	Thallium	µg/L	2	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
STRM-SMA-4.2	Inorganic	Vanadium	µg/L	2	2	100	100	6.58	0	n/a	n/a	n/a	3.91 to 5.27
STRM-SMA-4.2	Inorganic	Zinc	µg/L	2	2	100	n/a	n/a	n/a	42	0	0	12.3 to 26.8
STRM-SMA-4.2	RAD	Gross alpha	pCi/L	2	2	100	15	4.07	0	n/a	n/a	n/a	3.52 to 4.7
STRM-SMA-4.2	RAD	Radium-226 and Radium-228	pCi/L	2	1	50	30		0	n/a	n/a	n/a	(0.286) to 1.26
T-SMA-7	General Chemistry	Cyanide, weak acid dissociable	mg/L	1	0	0	10	0	0	22	0	0	(0.00167)
T-SMA-7	Inorganic	Aluminum	µg/L	1	1	100	n/a	n/a	n/a	750	0	0	207
T-SMA-7	Inorganic	Antimony	µg/L	1	0	0	640	0	0	n/a	n/a	n/a	(1)
T-SMA-7	Inorganic	Arsenic	µg/L	1	0	0	9	0	0	340	0	0	(2)
T-SMA-7	Inorganic	Boron	µg/L	1	0	0	5000	0	0	n/a	n/a	n/a	(15)
T-SMA-7	Inorganic	Cadmium	µg/L	1	0	0	n/a	n/a	n/a	1	0	0	(0.3)
T-SMA-7	Inorganic	Chromium	µg/L	1	0	0	n/a	n/a	n/a	210	0	0	(3)
T-SMA-7	Inorganic	Cobalt	µg/L	1	0	0	1000	0	0	n/a	n/a	n/a	(1)
T-SMA-7	Inorganic	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	0	0	4.24
T-SMA-7	Inorganic	Lead	µg/L	1	0	0	n/a	n/a	n/a	17	0	0	(0.5)
T-SMA-7	Inorganic	Mercury	µg/L	1	0	0	0.77	0	0	1.4	0	0	(0.067)
T-SMA-7	Inorganic	Nickel	µg/L	1	1	100	n/a	n/a	n/a	170	0	0	0.784
T-SMA-7	Inorganic	Selenium	µg/L	1	0	0	5	0	0	20	0	0	(2)
T-SMA-7	Inorganic	Silver	µg/L	1	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
T-SMA-7	Inorganic	Thallium	µg/L	1	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
T-SMA-7	Inorganic	Vanadium	µg/L	1	0	0	100	0	0	n/a	n/a	n/a	(1)
T-SMA-7	Inorganic	Zinc	µg/L	1	1	100	n/a	n/a	n/a	42	0	0	4.02
T-SMA-7	RAD	Gross alpha	pCi/L	1	1	100	15	18.1	1	n/a	n/a	n/a	18.1
T-SMA-7	RAD	Radium-226 and Radium-228	pCi/L	1	1	100	30	1.75	0	n/a	n/a	n/a	1.75
W-SMA-1.5	General Chemistry	Cyanide, weak acid dissociable	mg/L	1	0	0	10	0	0	22	0	0	(0.00167)
W-SMA-1.5	Inorganic	Aluminum	µg/L	1	1	100	n/a	n/a	n/a	750	0	0	584
W-SMA-1.5	Inorganic	Antimony	µg/L	1	0	0	640	0	0	n/a	n/a	n/a	(1)
W-SMA-1.5	Inorganic	Arsenic	µg/L	1	0	0	9	0	0	340	0	0	(2)
W-SMA-1.5	Inorganic	Boron	µg/L	1	0	0	5000	0	0	n/a	n/a	n/a	(15)
W-SMA-1.5	Inorganic	Cadmium	µg/L	1	0	0	n/a	n/a	n/a	1	0	0	(0.3)
W-SMA-1.5	Inorganic	Chromium	µg/L	1	0	0	n/a	n/a	n/a	210	0	0	(3)
W-SMA-1.5	Inorganic	Cobalt	µg/L	1	0	0	1000	0	0	n/a	n/a	n/a	(1)

Table B-9 (continued)

SMA	Suite	Analyte	Unit	Total Analyses	No. of Detects	Percent of Detects	ATAL	Geo Mean	No. of ATAL Exceedances	MTAL	No. of MTAL Exceedances	Percent MTAL Exceedances	Concentration Range
W-SMA-1.5	Inorganic	Copper	µg/L	1	1	100	n/a	n/a	n/a	4.3	0	0	3.06
W-SMA-1.5	Inorganic	Lead	µg/L	1	0	0	n/a	n/a	n/a	17	0	0	(0.5)
W-SMA-1.5	Inorganic	Mercury	µg/L	1	0	0	0.77	0	0	1.4	0	0	(0.067)
W-SMA-1.5	Inorganic	Nickel	µg/L	1	1	100	n/a	n/a	n/a	170	0	0	0.699
W-SMA-1.5	Inorganic	Selenium	µg/L	1	0	0	5	0	0	20	0	0	(2)
W-SMA-1.5	Inorganic	Silver	µg/L	1	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
W-SMA-1.5	Inorganic	Thallium	µg/L	1	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
W-SMA-1.5	Inorganic	Vanadium	µg/L	1	1	100	100	0	0	n/a	n/a	n/a	1.22
W-SMA-1.5	Inorganic	Zinc	µg/L	1	1	100	n/a	n/a	n/a	42	0	0	6.07
W-SMA-1.5	RAD	Gross alpha	pCi/L	1	0	0	15	0	0	n/a	n/a	n/a	(-0.197)
W-SMA-1.5	RAD	Radium-226 and Radium-228	pCi/L	1	0	0	30	0	0	n/a	n/a	n/a	(0.688)
W-SMA-9.5	General Chemistry	Cyanide, weak acid dissociable	mg/L	1	0	0	10	0	0	22	0	0	(0.00167)
W-SMA-9.5	Inorganic	Aluminum	µg/L	2	2	100	n/a	n/a	n/a	750	0	0	104 to 186
W-SMA-9.5	Inorganic	Antimony	µg/L	2	0	0	640	0	0	n/a	n/a	n/a	(1)
W-SMA-9.5	Inorganic	Arsenic	µg/L	2	0	0	9	0	0	340	0	0	(2)
W-SMA-9.5	Inorganic	Boron	µg/L	2	1	50	5000	15.9	0	n/a	n/a	n/a	(15) to 15.9
W-SMA-9.5	Inorganic	Cadmium	µg/L	2	0	0	n/a	n/a	n/a	1	0	0	(0.3)
W-SMA-9.5	Inorganic	Chromium	µg/L	2	0	0	n/a	n/a	n/a	210	0	0	(3)
W-SMA-9.5	Inorganic	Cobalt	µg/L	2	1	50	1000	3.8525	0	n/a	n/a	n/a	(1) to 1.64
W-SMA-9.5	Inorganic	Copper	µg/L	2	2	100	n/a	n/a	n/a	4.3	0	0	0.504 to 2.17
W-SMA-9.5	Inorganic	Lead	µg/L	2	0	0	n/a	n/a	n/a	17	0	0	(0.5)
W-SMA-9.5	Inorganic	Mercury	µg/L	2	1	50	0.77		1	1.4	0	0	(0.067) to 1.1
W-SMA-9.5	Inorganic	Nickel	µg/L	2	1	50	n/a	n/a	n/a	170	0	0	(0.6) to 0.861
W-SMA-9.5	Inorganic	Selenium	µg/L	2	0	0	5	0	0	20	0	0	(2)
W-SMA-9.5	Inorganic	Silver	µg/L	2	0	0	n/a	n/a	n/a	0.5	0	0	(0.3)
W-SMA-9.5	Inorganic	Thallium	µg/L	2	0	0	6.3	0	0	n/a	n/a	n/a	(0.6)
W-SMA-9.5	Inorganic	Vanadium	µg/L	2	1	50	100	7.666	0	n/a	n/a	n/a	(1) to 3.16
W-SMA-9.5	Inorganic	Zinc	µg/L	2	0	0	n/a	n/a	n/a	42	0	0	(3.3)
W-SMA-9.5	LCMS/MS High Explosives	RDX	µg/L	1	0	0	200	0	0	n/a	n/a	n/a	(0.1)
W-SMA-9.5	LCMS/MS High Explosives	Trinitrotoluene[2,4,6-]	µg/L	1	0	0	20	0	0	n/a	n/a	n/a	(0.1)
W-SMA-9.5	RAD	Gross alpha	pCi/L	1	1	100	15	81	1	n/a	n/a	n/a	81
W-SMA-9.5	RAD	Radium-226 and Radium-228	pCi/L	1	1	100	30	2.1	0	n/a	n/a	n/a	2.1

Note: Blue shading indicates exceedance of a TAL.

<sup>a</sup> Nondetected results are enclosed in parentheses.

<sup>b</sup> n/a = not applicable.

# **Appendix C**

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## *Control Measures*





SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
2M-SMA-1	Additional	n/a <sup>e</sup>	E00102040026	Permanent Vegetation	Established Vegetation	X <sup>f</sup>	— <sup>g</sup>	—	X
2M-SMA-1	Enhanced	7/20/2012	E00103010014	Berm	Earthen Berm	—	X	X	—
2M-SMA-1	Additional	n/a	E00103040027	Berm	Asphalt Berm	—	X	X	—
2M-SMA-1	Additional	n/a	E00103120034	Berm	Rock Berm	X	—	—	—
2M-SMA-1	Baseline	11/1/2010	E00104060010	Channel/Swale	Rip Rap	X	—	X	—
2M-SMA-1	Baseline	11/1/2010	E00104060011	Channel/Swale	Rip Rap	X	—	X	—
2M-SMA-1	Additional	n/a	E00104060033	Channel/Swale	Rip Rap	—	X	—	X
2M-SMA-1	Enhanced	7/20/2012	E00105020013	Sediment Traps and Basins	Sediment Basin	—	X	X	—
2M-SMA-1	Baseline	11/1/2010	E00106010007	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Baseline	11/1/2010	E00106010008	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Baseline	11/1/2010	E00106010009	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010017	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010018	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010019	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010020	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010021	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010022	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010023	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010024	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Enhanced	7/20/2012	E00106010025	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Additional	n/a	E00106010028	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Additional	n/a	E00106010029	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1	Additional	n/a	E00106020031	Check Dam	Log Check Dam	—	X	—	X
2M-SMA-1	Additional	n/a	E00106020032	Check Dam	Log Check Dam	—	X	—	X
2M-SMA-1.42	Additional	n/a	E00202040015	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.42	Enhanced	6/27/2012	E00203010011	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
2M-SMA-1.42	Enhanced	6/27/2012	E00203010012	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.42	Enhanced	6/27/2012	E00203010014	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.42	Baseline	12/13/2010	E00203120003	Berm	Rock Berm	—	X	X	—
2M-SMA-1.42	Baseline	12/13/2010	E00206010006	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.42	Baseline	12/13/2010	E00206010007	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.42	Baseline	12/13/2010	E00206010008	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.43	Additional	n/a	E00302040005	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.43	Baseline	11/1/2010	E00306010003	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-1.44	Additional	n/a	E00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.44	Enhanced	6/27/2012	E00403010006	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.44	Enhanced	9/4/2015	E00403010011	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.44	Enhanced	9/4/2015	E00403010015	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.44	Additional	n/a	E00403060019	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Additional	n/a	E00403060020	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Additional	n/a	E00403060021	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Additional	n/a	E00403060022	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Additional	n/a	E00403060023	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Additional	n/a	E00403060024	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Additional	n/a	E00403060027	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.44	Enhanced	9/4/2015	E00403140016	Berm	Coir Log	—	X	—	X
2M-SMA-1.44	Enhanced	9/4/2015	E00404060012	Channel/Swale	Rip Rap	X	—	—	—
2M-SMA-1.44	Enhanced	9/4/2015	E00406010009	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.44	Enhanced	9/4/2015	E00406010010	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.44	Enhanced	9/4/2015	E00406010013	Check Dam	Rock Check Dam	X	—	—	—
2M-SMA-1.44	Enhanced	9/4/2015	E00406010014	Check Dam	Rock Check Dam	X	—	—	—
2M-SMA-1.45	Additional	n/a	E00502040018	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.45	Additional	n/a	E00503010014	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.45	Additional	n/a	E00503010015	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
2M-SMA-1.45	Enhanced	8/21/2012	E00503010016	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.45	Enhanced	8/21/2012	E00503010017	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.5	Additional	n/a	E00602040005	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.5	Additional	n/a	E00603060006	Berm	Straw Wattle	—	X	X	—
2M-SMA-1.5	Baseline	11/1/2010	E00604040002	Channel/Swale	Culvert	X	—	X	—
2M-SMA-1.65	Additional	n/a	E00702040011	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.65	Enhanced	7/20/2012	E00703010010	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.65	Enhanced	7/20/2012	E00706010006	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.65	Enhanced	7/20/2012	E00706010007	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.65	Enhanced	7/20/2012	E00706010008	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.65	Enhanced	7/20/2012	E00706010009	Check Dam	Rock Check Dam	—	X	X	—
2M-SMA-1.67	Additional	n/a	E00802040016	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.67	Additional	n/a	E00803010014	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.67	Additional	n/a	E00803010015	Berm	Earthen Berm	—	X	—	X
2M-SMA-1.7	Additional	n/a	E00902040009	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.7	Enhanced	7/27/2012	E00903010008	Berm	Earthen Berm	—	X	X	—
2M-SMA-1.7	Baseline	12/13/2010	E00903120005	Berm	Rock Berm	—	X	—	X
2M-SMA-1.8	Additional	n/a	E01002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-1.8	Baseline	12/13/2010	E01003040003	Berm	Asphalt Berm	—	X	X	—
2M-SMA-1.8	Additional	n/a	E01003100012	Berm	Gravel Bags	—	X	X	—
2M-SMA-1.8	Baseline	12/13/2010	E01006010004	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-1.8	Baseline	12/13/2010	E01006010005	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-1.8	Baseline	12/13/2010	E01006010006	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-1.8	Baseline	12/13/2010	E01006010007	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-1.9	Baseline	12/13/2010	E01103090001	Berm	Curbing	—	X	X	—
2M-SMA-1.9	Baseline	12/13/2010	E01103100003	Berm	Gravel Bags	—	X	—	X
2M-SMA-1.9	Additional	n/a	E01103100005	Berm	Gravel Bags	—	X	X	—
2M-SMA-2	Additional	n/a	E01202040015	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
2M-SMA-2	Baseline	12/13/2010	E01203090006	Berm	Curbing	—	X	X	—
2M-SMA-2	Enhanced	5/2/2013	E01205020014	Sediment Traps and Basins	Sediment Basin	—	X	—	X
2M-SMA-2.2	Baseline	11/1/2010	E01303090002	Berm	Curbing	—	—	X	—
2M-SMA-2.2	Baseline	11/1/2010	E01304020003	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
2M-SMA-2.2	Baseline	11/1/2010	E01306010004	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-2.2	Baseline	11/1/2010	E01306010005	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-2.5	Additional	n/a	E01502040006	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-2.5	Baseline	12/13/2010	E01503010004	Berm	Earthen Berm	—	X	X	—
2M-SMA-2.5	Baseline	12/13/2010	E01503010005	Berm	Earthen Berm	—	X	—	X
2M-SMA-3	Additional	n/a	E01402040013	Permanent Vegetation	Established Vegetation	X	—	—	X
2M-SMA-3	Enhanced	9/4/2015	E01403010028	Berm	Earthen Berm	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01403010029	Berm	Earthen Berm	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01403060030	Berm	Straw Wattle	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01403140022	Berm	Coir Log	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01403140023	Berm	Coir Log	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01403140024	Berm	Coir Log	—	X	—	X
2M-SMA-3	Additional	n/a	E01403140031	Berm	Coir Log	—	X	X	—
2M-SMA-3	Additional	n/a	E01403140032	Berm	Coir Log	—	X	X	—
2M-SMA-3	Additional	n/a	E01403140033	Berm	Coir Log	—	X	X	—
2M-SMA-3	Enhanced	9/4/2015	E01406010025	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01406010026	Check Dam	Rock Check Dam	—	X	—	X
2M-SMA-3	Enhanced	9/4/2015	E01406010027	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.2	Additional	n/a	H00102040006	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-0.2	Additional	n/a	H00103010005	Berm	Earthen Berm	—	X	X	—
3M-SMA-0.2	Baseline	11/1/2010	H00106010002	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.2	Additional	n/a	H00106010007	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.2	Additional	n/a	H00106010008	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.2	Additional	n/a	H00106010009	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
3M-SMA-0.4	Additional	n/a	H00202040005	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-0.4	Baseline	12/22/2010	H00203010003	Berm	Earthen Berm	—	X	—	X
3M-SMA-0.4	Additional	n/a	H00203010004	Berm	Earthen Berm	—	X	—	X
3M-SMA-0.4	Additional	n/a	H00203100014	Berm	Gravel Bags	—	X	—	X
3M-SMA-0.4	Additional	n/a	H00203120008	Berm	Rock Berm	—	X	X	—
3M-SMA-0.4	Additional	n/a	H00203120009	Berm	Rock Berm	—	X	X	—
3M-SMA-0.4	Additional	n/a	H00203120010	Berm	Rock Berm	—	X	X	—
3M-SMA-0.4	Additional	n/a	H00203120011	Berm	Rock Berm	—	X	X	—
3M-SMA-0.4	Additional	n/a	H00203120015	Berm	Rock Berm	—	X	—	X
3M-SMA-0.4	Additional	n/a	H00203120016	Berm	Rock Berm	—	X	—	X
3M-SMA-0.4	Additional	n/a	H00205020007	Sediment Traps and Basins	Sediment Basin	—	X	—	X
3M-SMA-0.4	Additional	n/a	H00208020006	Cap	Rock Cap	X	—	—	—
3M-SMA-0.5	Additional	n/a	H00302040017	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00303010030	Berm	Earthen Berm	—	X	—	X
3M-SMA-0.5	Baseline	12/22/2010	H00304060001	Channel/Swale	Rip Rap	X	—	—	X
3M-SMA-0.5	Baseline	12/22/2010	H00304060004	Channel/Swale	Rip Rap	X	—	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00304060018	Channel/Swale	Rip Rap	X	—	—	X
3M-SMA-0.5	Baseline	12/22/2010	H00306010002	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Baseline	12/22/2010	H00306010005	Check Dam	Rock Check Dam	—	X	X	—
3M-SMA-0.5	Baseline	12/22/2010	H00306010006	Check Dam	Rock Check Dam	—	X	X	—
3M-SMA-0.5	Baseline	12/22/2010	H00306010012	Check Dam	Rock Check Dam	—	X	X	—
3M-SMA-0.5	Baseline	12/22/2010	H00306010016	Check Dam	Rock Check Dam	—	X	X	—
3M-SMA-0.5	Enhanced	10/28/2015	H00306010019	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010020	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010021	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010022	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010023	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010024	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
3M-SMA-0.5	Enhanced	10/28/2015	H00306010025	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010026	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010027	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010028	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.5	Enhanced	10/28/2015	H00306010029	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-0.6	Additional	n/a	H00402040029	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-0.6	Additional	n/a	H00403010030	Berm	Earthen Berm	—	X	—	X
3M-SMA-0.6	Baseline	12/22/2010	H00403060006	Berm	Straw Wattle	—	X	X	—
3M-SMA-0.6	Baseline	12/22/2010	H00403060008	Berm	Straw Wattle	—	X	X	—
3M-SMA-0.6	Baseline	12/22/2010	H00403060011	Berm	Straw Wattle	—	X	—	X
3M-SMA-0.6	Baseline	12/22/2010	H00403060012	Berm	Straw Wattle	—	X	—	X
3M-SMA-0.6	Baseline	12/22/2010	H00403060015	Berm	Straw Wattle	—	X	X	—
3M-SMA-0.6	Baseline	12/22/2010	H00403060017	Berm	Straw Wattle	—	X	—	X
3M-SMA-0.6	Baseline	12/22/2010	H00403060019	Berm	Straw Wattle	—	X	—	X
3M-SMA-0.6	Baseline	12/22/2010	H00403060022	Berm	Straw Wattle	—	X	X	—
3M-SMA-0.6	Baseline	12/22/2010	H00403060027	Berm	Straw Wattle	—	X	—	X
3M-SMA-2.6	Additional	n/a	H00502040007	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-2.6	Baseline	3/29/2011	H00503120005	Berm	Rock Berm	—	X	X	—
3M-SMA-2.6	Baseline	3/29/2011	H00504040003	Channel/Swale	Culvert	—	—	X	—
3M-SMA-2.6	Baseline	3/29/2011	H00506010006	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-4	Additional	n/a	H00602040010	Permanent Vegetation	Established Vegetation	X	—	—	X
3M-SMA-4	Baseline	12/13/2010	H00604020009	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
3M-SMA-4	Baseline	12/13/2010	H00604060005	Channel/Swale	Rip Rap	X	—	X	—
3M-SMA-4	Enhanced	10/28/2015	H00604060013	Channel/Swale	Rip Rap	X	—	—	X
3M-SMA-4	Enhanced	10/28/2015	H00604060015	Channel/Swale	Rip Rap	X	—	—	X
3M-SMA-4	Enhanced	10/28/2015	H00606010011	Check Dam	Rock Check Dam	—	X	—	X
3M-SMA-4	Baseline	12/13/2010	H00607010002	Gabion	Gabions	—	X	X	—
3M-SMA-4	Enhanced	10/28/2015	H00607010012	Gabion	Gabion	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
3M-SMA-4	Enhanced	10/28/2015	H00607010014	Gabion	Gabion	—	X	—	X
ACID-SMA-1.05	Baseline	11/1/2010	P00103010005	Berm	Earthen Berm	—	X	—	X
ACID-SMA-1.05	Baseline	11/1/2010	P00103090003	Berm	Curbing	—	X	X	—
ACID-SMA-1.05	Baseline	11/1/2010	P00104040004	Channel/Swale	Culvert	X	—	X	—
ACID-SMA-2	Additional	n/a	P00202040018	Permanent Vegetation	Established Vegetation	X	—	—	X
ACID-SMA-2	Baseline	11/1/2010	P00206010013	Check Dam	Rock Check Dam	—	X	X	—
ACID-SMA-2	Enhanced	10/13/2016	P00206010014	Check Dam	Rock Check Dam	—	X	—	X
ACID-SMA-2	Enhanced	10/13/2016	P00206010015	Check Dam	Rock Check Dam	—	X	—	X
ACID-SMA-2	Enhanced	10/13/2016	P00206010016	Check Dam	Rock Check Dam	—	X	—	X
ACID-SMA-2	Additional	n/a	P00206020020	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2	Additional	n/a	P00206020021	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2	Additional	n/a	P00206020022	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2	Additional	n/a	P00206020023	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2	Additional	n/a	P00206010019	Check Dam	Rock Check Dam	—	X	X	—
ACID-SMA-2.01	Additional	n/a	P002A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
ACID-SMA-2.01	Baseline	12/6/2010	P002A03010004	Berm	Earthen Berm	—	X	X	—
ACID-SMA-2.01	Additional	n/a	P002A03140010	Berm	Coir Log	—	X	—	X
ACID-SMA-2.01	Baseline	12/6/2010	P002A04060002	Channel/Swale	Rip Rap	X	—	X	—
ACID-SMA-2.1	Baseline	11/1/2010	P00302030012	Permanent Vegetation	Permanent Vegetation Vegetative Buffer Strip	X	X	—	X
ACID-SMA-2.1	Additional	n/a	P00302040019	Permanent Vegetation	Established Vegetation	X	—	—	X
ACID-SMA-2.1	Baseline	11/1/2010	P00303010009	Berm	Earthen Berm	—	X	X	—
ACID-SMA-2.1	Baseline	11/1/2010	P00304060011	Channel/Swale	Rip Rap	X	—	X	—
ACID-SMA-2.1	Baseline	11/1/2010	P00306010015	Check Dam	Rock Check Dam	—	X	X	—
ACID-SMA-2.1	Enhanced	10/13/2016	P00306010020	Check Dam	Rock Check Dam	—	X	—	X
ACID-SMA-2.1	Enhanced	10/13/2016	P00306010021	Check Dam	Rock Check Dam	—	X	—	X
ACID-SMA-2.1	Enhanced	10/13/2016	P00306010022	Check Dam	Rock Check Dam	—	X	—	X
ACID-SMA-2.1	Additional	n/a	P00306010027	Check Dam	Rock Check Dam	—	X	X	—



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ACID-SMA-2.1	Enhanced	10/13/2016	P00306020023	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2.1	Enhanced	10/13/2016	P00306020024	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2.1	Enhanced	10/13/2016	P00306020025	Check Dam	Log Check Dam	—	X	—	X
ACID-SMA-2.1	Enhanced	10/13/2016	P00306020026	Check Dam	Log Check Dam	—	X	—	X
A-SMA-1.1	Additional	n/a	A00102040006	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-1.1	Baseline	11/1/2010	A00103010005	Berm	Earthen Berm	—	X	X	—
A-SMA-2	Additional	n/a	A00202040017	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-2	Enhanced	8/10/2015	A00203010041	Berm	Earthen Berm	—	X	—	X
A-SMA-2	Enhanced	8/10/2015	A00203010042	Berm	Earthen Berm	—	X	X	—
A-SMA-2	Enhanced	8/10/2015	A00203010043	Berm	Earthen Berm	—	X	—	X
A-SMA-2	Enhanced	8/10/2015	A00203020051	Berm	Base Course Berm	—	X	—	X
A-SMA-2	Enhanced	8/10/2015	A00203150047	Berm	Redi-Rock Berm	—	X	X	—
A-SMA-2	Enhanced	8/10/2015	A00204040046	Channel/Swale	Culvert	X	—	X	—
A-SMA-2	Enhanced	8/10/2015	A00204040049	Channel/Swale	Culvert	X	—	X	—
A-SMA-2	Enhanced	8/10/2015	A00204050053	Channel/Swale	Water Bar	X	—	—	X
A-SMA-2	Baseline	1/12/2011	A00204060004	Channel/Swale	Rip Rap	X	—	—	X
A-SMA-2	Enhanced	8/10/2015	A00204080045	Channel/Swale	TRM <sup>h</sup> -Lined Swale	X	—	X	—
A-SMA-2	Enhanced	8/10/2015	A00204080048	Channel/Swale	TRM-Lined Swale	X	—	X	—
A-SMA-2	Enhanced	8/10/2015	A00204080052	Channel/Swale	TRM-Lined Swale	X	—	—	X
A-SMA-2	Enhanced	8/10/2015	A00205020050	Sediment Traps and Basins	Sediment Basin	—	X	X	—
A-SMA-2.5	Additional	n/a	A00302040007	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-2.5	Baseline	1/12/2011	A00303010003	Berm	Earthen Berm	—	X	—	X
A-SMA-2.5	Additional	n/a	A00303010010	Berm	Earthen Berm	X	—	X	—
A-SMA-2.5	Additional	n/a	A00303060008	Berm	Straw Wattle	—	X	X	—
A-SMA-2.5	Additional	n/a	A00303060009	Berm	Straw Wattle	—	X	X	—
A-SMA-2.5	Additional	n/a	A00304060014	Channel/Swale	Rip Rap	X	—	X	—
A-SMA-2.5	Additional	n/a	A00304080015	Channel/Swale	TRM-Lined Swale	X	—	X	—
A-SMA-2.5	Additional	n/a	A00307010012	Gabion	Gabion	—	X	X	—

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A-SMA-2.5	Additional	n/a	A00307010013	Gabion	Gabion	X	—	X	—
A-SMA-2.5	Additional	n/a	A00307020011	Gabion	Gabion Blanket	X	—	X	—
A-SMA-2.7	Additional	n/a	A00402040017	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-2.7	Enhanced	8/23/2012	A00403010013	Berm	Earthen Berm	—	X	—	X
A-SMA-2.7	Enhanced	8/23/2012	A00403010014	Berm	Earthen Berm	—	X	—	X
A-SMA-2.7	Enhanced	8/23/2012	A00403010015	Berm	Earthen Berm	—	X	—	X
A-SMA-2.7	Enhanced	8/23/2012	A00403010016	Berm	Earthen Berm	—	X	—	X
A-SMA-2.8	Additional	n/a	A00501010004	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
A-SMA-2.8	Baseline	1/12/2011	A00503010002	Berm	Earthen Berm	—	X	—	X
A-SMA-2.8	Additional	n/a	A00508020005	Cap	Rock Cap	X	—	—	X
A-SMA-3	Additional	n/a	A00602040018	Permanent Vegetation	Established Vegetation	X	—	X	—
A-SMA-3	Enhanced	9/4/2015	A00603020023	Berm	Base Course Berm	X	—	X	—
A-SMA-3	Additional	n/a	A00603120017	Berm	Rock Berm	—	X	—	X
A-SMA-3	Enhanced	9/4/2015	A00603140026	Berm	Coir Log	—	X	X	—
A-SMA-3	Enhanced	9/4/2015	A00603150027	Berm	Redi-Rock Berm	—	X	—	X
A-SMA-3	Additional	n/a	A00603150035	Berm	Redi-Rock Berm	—	X	X	—
A-SMA-3	Enhanced	9/4/2015	A00604010022	Channel/Swale	Earthen Channel/Swale	X	—	X	—
A-SMA-3	Enhanced	9/4/2015	A00604030025	Channel/Swale	Rock Channel/Swale	X	—	—	X
A-SMA-3	Enhanced	9/4/2015	A00604060024	Channel/Swale	Rip Rap	X	—	X	—
A-SMA-3	Baseline	11/1/2010	A00606010010	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Baseline	11/1/2010	A00606010011	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Additional	n/a	A00606010019	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Additional	n/a	A00606010031	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Additional	n/a	A00606010032	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Additional	n/a	A00606010033	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Additional	n/a	A00606010034	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-3	Enhanced	9/4/2015	A00608020029	Cap	Rock Cap	X	—	—	—
A-SMA-3	Additional	n/a	A00608020030	Cap	Rock Cap	X	—	—	X

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A-SMA-3	Additional	n/a	A00608020036	Cap	Rock Cap	X	—	X	—
A-SMA-3.5	Additional	n/a	A00702040003	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-3.5	Baseline	1/12/2011	A00703060002	Berm	Straw Wattle	—	X	—	X
A-SMA-3.5	Additional	n/a	A00703060005	Berm	Straw Wattle	—	X	X	—
A-SMA-4	Additional	n/a	A00802040010	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-4	Baseline	1/12/2011	A00803010007	Berm	Earthen Berm	—	—	X	—
A-SMA-4	Additional	n/a	A00803010009	Berm	Earthen Berm	—	X	—	X
A-SMA-4	Baseline	1/12/2011	A00806010003	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-4	Baseline	1/12/2011	A00806010004	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Additional	n/a	A00902040023	Permanent Vegetation	Established Vegetation	X	—	—	X
A-SMA-6	Baseline	1/12/2011	A00903010021	Berm	Earthen Berm	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00904020007	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
A-SMA-6	Baseline	1/12/2011	A00904060005	Channel/Swale	Rip Rap	X	—	—	X
A-SMA-6	Baseline	1/12/2011	A00906010008	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010009	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010010	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010011	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010012	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010013	Check Dam	Rock Check Dam	—	X	X	—
A-SMA-6	Baseline	1/12/2011	A00906010014	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010015	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010016	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010017	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010018	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010019	Check Dam	Rock Check Dam	—	X	—	X
A-SMA-6	Baseline	1/12/2011	A00906010020	Check Dam	Rock Check Dam	—	X	—	X
B-SMA-0.5	Additional	n/a	B00102040012	Permanent Vegetation	Established Vegetation	X	—	—	X
B-SMA-0.5	Baseline	12/8/2010	B00103010006	Berm	Earthen Berm	—	X	X	—

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B-SMA-0.5	Baseline	12/8/2010	B00103010007	Berm	Earthen Berm	—	X	—	X
B-SMA-0.5	Additional	n/a	B00103140016	Berm	Coir Log	—	X	—	X
B-SMA-0.5	Additional	n/a	B00103140017	Berm	Coir Log	—	X	—	X
B-SMA-0.5	Additional	n/a	B00103140018	Berm	Coir Log	—	X	—	X
B-SMA-0.5	Additional	n/a	B00103140019	Berm	Coir Log	—	X	—	X
B-SMA-0.5	Additional	n/a	B00103140020	Berm	Coir Log	—	X	—	X
B-SMA-0.5	Additional	n/a	B00103140024	Berm	Coir Log	—	X	X	—
B-SMA-0.5	Additional	n/a	B00103140025	Berm	Coir Log	—	X	—	X
B-SMA-0.5	Baseline	12/8/2010	B00104010005	Channel/Swale	Earthen Channel/Swale	X	—	X	—
B-SMA-0.5	Additional	n/a	B00104010026	Channel/Swale	Earthen Channel/Swale	X	—	X	—
B-SMA-0.5	Baseline	12/8/2010	B00104040003	Channel/Swale	Culvert	X	—	X	—
B-SMA-0.5	Additional	n/a	B00104050015	Channel/Swale	Water Bar	X	—	—	X
B-SMA-0.5	Additional	n/a	B00104060009	Channel/Swale	Rip Rap	X	—	X	—
B-SMA-0.5	Baseline	12/8/2010	B00106010008	Check Dam	Rock Check Dam	—	X	—	X
B-SMA-0.5	Additional	n/a	B00106010021	Check Dam	Rock Check Dam	—	X	—	X
B-SMA-0.5	Additional	n/a	B00106020022	Check Dam	Log Check Dam	—	X	X	—
B-SMA-0.5	Additional	n/a	B00106020023	Check Dam	Log Check Dam	—	X	X	—
B-SMA-1	Additional	n/a	B00202040008	Permanent Vegetation	Established Vegetation	X	—	—	X
B-SMA-1	Baseline	12/6/2010	B00206010003	Check Dam	Rock Check Dam	—	X	X	—
B-SMA-1	Baseline	12/6/2010	B00206010004	Check Dam	Rock Check Dam	—	X	X	—
B-SMA-1	Baseline	12/6/2010	B00206010005	Check Dam	Rock Check Dam	—	X	—	X
B-SMA-1	Baseline	12/6/2010	B00206010006	Check Dam	Rock Check Dam	—	X	—	X
B-SMA-1	Baseline	12/6/2010	B00206010007	Check Dam	Rock Check Dam	—	X	—	X
CDB-SMA-0.15	Additional	n/a	C00102040015	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-0.15	Additional	n/a	C00103010013	Berm	Earthen Berm	—	X	—	X
CDB-SMA-0.15	Additional	n/a	C00103060019	Berm	Straw Wattle	—	X	X	—
CDB-SMA-0.15	Additional	n/a	C00103060020	Berm	Straw Wattle	—	X	X	—
CDB-SMA-0.15	Additional	n/a	C00103060021	Berm	Straw Wattle	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CDB-SMA-0.15	Baseline	11/1/2010	C00103120009	Berm	Rock Berm	—	X	X	—
CDB-SMA-0.15	Baseline	11/1/2010	C00106030003	Check Dam	Juniper Bales	—	X	X	—
CDB-SMA-0.15	Baseline	11/1/2010	C00106030005	Check Dam	Juniper Bales	—	X	—	X
CDB-SMA-0.15	Baseline	11/1/2010	C00106030006	Check Dam	Juniper Bales	—	X	—	X
CDB-SMA-0.15	Baseline	11/1/2010	C00106030007	Check Dam	Juniper Bales	—	X	—	X
CDB-SMA-0.25	Additional	n/a	C00202040019	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-0.25	Baseline	11/1/2010	C00203010013	Berm	Earthen Berm	—	X	—	X
CDB-SMA-0.25	Enhanced	7/20/2012	C00203010017	Berm	Earthen Berm	—	X	—	X
CDB-SMA-0.25	Enhanced	7/20/2012	C00203010018	Berm	Earthen Berm	—	X	—	X
CDB-SMA-0.25	Baseline	11/1/2010	C00204060009	Channel/Swale	Rip Rap	X	—	X	—
CDB-SMA-0.55	Additional	n/a	C00302040021	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-0.55	Baseline	12/13/2010	C00303010011	Berm	Earthen Berm	—	X	—	X
CDB-SMA-0.55	Baseline	12/13/2010	C00306010006	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010013	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010015	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010016	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010017	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010018	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010019	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-0.55	Baseline	12/13/2010	C00306010020	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-1	Additional	n/a	C00402040015	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1	Enhanced	9/4/2015	C00403010016	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1	Enhanced	9/4/2015	C00403010017	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1	Baseline	12/22/2010	C00404060006	Channel/Swale	Rip Rap	X	—	X	—
CDB-SMA-1	Baseline	12/22/2010	C00404060008	Channel/Swale	Rip Rap	—	X	—	X
CDB-SMA-1	Baseline	12/22/2010	C00404060009	Channel/Swale	Rip Rap	—	X	X	—
CDB-SMA-1	Baseline	12/22/2010	C00406010004	Check Dam	Rock Check Dam	—	X	—	X
CDB-SMA-1	Baseline	12/22/2010	C00406010010	Check Dam	Rock Check Dam	—	X	X	—

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CDB-SMA-1	Baseline	12/22/2010	C00406010011	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-1	Baseline	12/22/2010	C00406010012	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-1	Baseline	12/22/2010	C00406010013	Check Dam	Rock Check Dam	—	X	—	X
CDB-SMA-1.15	Additional	n/a	C00502040011	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.15	Additional	n/a	C00503010012	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.15	Baseline	11/1/2010	C00504060007	Channel/Swale	Rip Rap	X	—	X	—
CDB-SMA-1.15	Baseline	11/1/2010	C00504060008	Channel/Swale	Rip Rap	X	—	X	—
CDB-SMA-1.35	Additional	n/a	C00602040010	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.35	Baseline	11/1/2010	C00603010006	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.35	Baseline	11/1/2010	C00604060009	Channel/Swale	Rip Rap	X	—	X	—
CDB-SMA-1.54	Additional	n/a	C00702040020	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.54	Baseline	11/1/2010	C00703010007	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.54	Baseline	11/1/2010	C00703010008	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.54	Baseline	11/1/2010	C00703010009	Berm	Earthen Berm	—	X	X	—
CDB-SMA-1.54	Additional	n/a	C00703010019	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.54	Additional	n/a	C00703140022	Berm	Coir Log	—	X	—	X
CDB-SMA-1.54	Additional	n/a	C00703140025	Berm	Coir Log	—	X	—	X
CDB-SMA-1.54	Additional	n/a	C00704050021	Channel/Swale	Water Bar	X	—	—	—
CDB-SMA-1.55	Additional	n/a	C00802040012	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-1.55	Baseline	11/1/2010	C00803010010	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.55	Baseline	11/1/2010	C00803120009	Berm	Rock Berm	—	X	X	—
CDB-SMA-1.65	Additional	n/a	C00903010004	Berm	Earthen Berm	—	X	—	X
CDB-SMA-1.65	Baseline	11/1/2010	C00904060001	Channel/Swale	Rip Rap	X	—	X	—
CDB-SMA-4	Additional	n/a	C01002040012	Permanent Vegetation	Established Vegetation	X	—	—	X
CDB-SMA-4	Baseline	11/16/2010	C01004020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
CDB-SMA-4	Baseline	11/16/2010	C01004060007	Channel/Swale	Rip Rap	X	—	—	X
CDB-SMA-4	Baseline	11/16/2010	C01005010004	Sediment Traps and Basins	Sediment Trap	—	X	—	X
CDB-SMA-4	Baseline	11/16/2010	C01006010006	Check Dam	Rock Check Dam	—	X	—	X

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CDB-SMA-4	Baseline	11/16/2010	C01006010008	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-4	Baseline	11/16/2010	C01006010009	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-4	Baseline	11/16/2010	C01006010010	Check Dam	Rock Check Dam	—	X	X	—
CDB-SMA-4	Baseline	11/16/2010	C01006010011	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.2	Additional	n/a	V00102040012	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.2	Baseline	12/15/2010	V00103020008	Berm	Base Course Berm	—	X	—	X
CDV-SMA-1.2	Baseline	12/15/2010	V00104060001	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-1.2	Baseline	12/15/2010	V00106010007	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.3	Additional	n/a	V00202040003	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.3	Baseline	12/15/2010	V00203020002	Berm	Base Course Berm	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00302040069	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.4	Additional	n/a	V00303010066	Berm	Earthen Berm	—	X	X	—
CDV-SMA-1.4	Enhanced	5/12/2014	V00303010070	Berm	Earthen Berm	—	X	X	—
CDV-SMA-1.4	Enhanced	5/12/2014	V00303010071	Berm	Earthen Berm	—	X	—	X
CDV-SMA-1.4	Enhanced	5/12/2014	V00303010072	Berm	Earthen Berm	—	X	—	X
CDV-SMA-1.4	Baseline	12/15/2010	V00303020017	Berm	Base Course Berm	—	X	X	—
CDV-SMA-1.4	Additional	n/a	V00303120087	Berm	Rock Berm	—	X	X	—
CDV-SMA-1.4	Additional	n/a	V00305020068	Sediment Traps and Basins	Sediment Basin	—	X	X	—
CDV-SMA-1.4	Enhanced	5/12/2014	V00305020073	Sediment Traps and Basins	Sediment Basin	—	X	X	—
CDV-SMA-1.4	Enhanced	5/12/2014	V00305020074	Sediment Traps and Basins	Sediment Basin	—	X	X	—
CDV-SMA-1.4	Enhanced	5/12/2014	V00305020075	Sediment Traps and Basins	Sediment Basin	—	X	X	—
CDV-SMA-1.4	Enhanced	5/12/2014	V00305020076	Sediment Traps and Basins	Sediment Basin	—	X	X	—
CDV-SMA-1.4	Baseline	12/15/2010	V00306010012	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010039	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010040	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010043	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.4	Additional	n/a	V00306010057	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.4	Additional	n/a	V00306010058	Check Dam	Rock Check Dam	—	X	—	X

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CDV-SMA-1.4	Additional	n/a	V00306010059	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010060	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010061	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010062	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010063	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010064	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.4	Additional	n/a	V00306010065	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.45	Additional	n/a	V00402040005	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.45	Enhanced	7/18/2012	V00403010004	Berm	Earthen Berm	—	X	—	X
CDV-SMA-1.7	Additional	n/a	V00501060035	Seed and Mulch	Erosion Control Blanket	X	—	—	X
CDV-SMA-1.7	Additional	n/a	V00502040016	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-1.7	Enhanced	9/4/2015	V00503010027	Berm	Earthen Berm	—	X	—	X
CDV-SMA-1.7	Enhanced	9/4/2015	V00503010028	Berm	Earthen Berm	—	X	—	X
CDV-SMA-1.7	Additional	n/a	V00503020034	Berm	Base Course Berm	—	X	X	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00503060025	Berm	Straw Wattle	—	X	—	X
CDV-SMA-1.7	Additional	n/a	V00503060032	Berm	Straw Wattle	—	X	—	X
CDV-SMA-1.7	Enhanced	9/4/2015	V00504010018	Channel/Swale	Earthen Channel/Swale	X	—	X	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00504040017	Channel/Swale	Culvert	X	—	X	—
CDV-SMA-1.7	Additional	n/a	V00504040036	Channel/Swale	Culvert	X	—	—	X
CDV-SMA-1.7	Baseline	12/22/2010	V00504060015	Channel/Swale	Rip Rap	X	—	—	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00504060026	Channel/Swale	Rip Rap	X	—	—	—
CDV-SMA-1.7	Additional	n/a	V00504060039	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-1.7	Additional	n/a	V00504080033	Channel/Swale	TRM-Lined Swale	X	—	X	—
CDV-SMA-1.7	Baseline	12/22/2010	V00506010006	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.7	Baseline	12/22/2010	V00506010008	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Baseline	12/22/2010	V00506010009	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Baseline	12/22/2010	V00506010010	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Baseline	12/22/2010	V00506010013	Check Dam	Rock Check Dam	—	X	X	—



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CDV-SMA-1.7	Baseline	12/22/2010	V00506010014	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00506010019	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00506010020	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00506010022	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-1.7	Enhanced	9/4/2015	V00506010029	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.7	Enhanced	9/4/2015	V00506010030	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.7	Enhanced	9/4/2015	V00506010031	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-1.7	Enhanced	9/4/2015	V00506020023	Check Dam	Log Check Dam	—	X	—	X
CDV-SMA-1.7	Additional	n/a	V00506040038	Check Dam	Energy Dissipater	—	X	—	X
CDV-SMA-1.7	Additional	n/a	V00507010037	Gabion	Gabion	—	X	—	X
CDV-SMA-2	Additional	n/a	V00602040013	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2	Baseline	4/26/2011	V00603010006	Berm	Earthen Berm	—	X	—	X
CDV-SMA-2	Baseline	4/26/2011	V00603010007	Berm	Earthen Berm	—	X	X	—
CDV-SMA-2	Baseline	4/26/2011	V00603010008	Berm	Earthen Berm	—	X	X	—
CDV-SMA-2	Baseline	4/26/2011	V00603010009	Berm	Earthen Berm	—	X	X	—
CDV-SMA-2	Baseline	4/26/2011	V00603010010	Berm	Earthen Berm	—	X	X	—
CDV-SMA-2	Baseline	4/26/2011	V00604060003	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-2	Baseline	4/26/2011	V00606010002	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2	Baseline	4/26/2011	V00608020012	Cap	Rock Cap	X	—	—	X
CDV-SMA-2.3	Additional	n/a	V00702040021	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2.3	Additional	n/a	V00703010027	Berm	Earthen Berm	—	X	—	X
CDV-SMA-2.3	Additional	n/a	V00703060028	Berm	Straw Wattle	—	X	—	X
CDV-SMA-2.3	Additional	n/a	V00703060030	Berm	Straw Wattle	—	X	—	X
CDV-SMA-2.3	Additional	n/a	V00703060031	Berm	Straw Wattle	—	X	X	—
CDV-SMA-2.3	Additional	n/a	V00703120026	Berm	Rock Berm	—	X	—	X
CDV-SMA-2.3	Additional	n/a	V00706010019	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.3	Additional	n/a	V00706010020	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.3	Additional	n/a	V00706010024	Check Dam	Rock Check Dam	—	X	—	X

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CDV-SMA-2.3	Additional	n/a	V00706010025	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.3	Baseline	12/15/2010	V00707010002	Gabion	Gabions	—	X	—	X
CDV-SMA-2.41	Additional	n/a	V00802040015	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2.41	Enhanced	6/27/2014	V00803010013	Berm	Earthen Berm	—	X	—	X
CDV-SMA-2.41	Enhanced	6/27/2014	V00804010014	Channel/Swale	Earthen Channel/Swale	X	—	X	—
CDV-SMA-2.41	Baseline	12/15/2010	V00804040011	Channel/Swale	Culvert	X	—	X	—
CDV-SMA-2.41	Baseline	12/15/2010	V00804060010	Channel/Swale	Rip Rap	X	—	X	—
CDV-SMA-2.41	Enhanced	6/27/2014	V00806010012	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.42	Enhanced	9/28/2015	V008A01030022	Seed and Mulch	Hydromulch	X	—	—	—
CDV-SMA-2.42	Additional	n/a	V008A02040020	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2.42	Enhanced	9/28/2015	V008A03010021	Berm	Earthen Berm	—	X	—	X
CDV-SMA-2.42	Enhanced	9/28/2015	V008A03010024	Berm	Earthen Berm	—	X	X	—
CDV-SMA-2.42	Enhanced	9/28/2015	V008A04040023	Channel/Swale	Culvert	X	—	—	—
CDV-SMA-2.42	Additional	n/a	V008A04050025	Channel/Swale	Water Bar	X	—	X	—
CDV-SMA-2.42	Baseline	12/15/2010	V008A04060002	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-2.42	Baseline	12/15/2010	V008A04060005	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-2.42	Additional	n/a	V008A04060018	Channel/Swale	Rip Rap	X	—	X	—
CDV-SMA-2.42	Additional	n/a	V008A04060019	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-2.42	Baseline	12/15/2010	V008A06010004	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.42	Additional	n/a	V008A06010017	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.42	Baseline	12/15/2010	V008A07010003	Gabion	Gabions	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00902040036	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2.5	Baseline	12/15/2010	V00903010011	Berm	Earthen Berm	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00903010043	Berm	Earthen Berm	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00903120034	Berm	Rock Berm	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00903120035	Berm	Rock Berm	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00903120038	Berm	Rock Berm	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00903120039	Berm	Rock Berm	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CDV-SMA-2.5	Additional	n/a	V00903120040	Berm	Rock Berm	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00903120041	Berm	Rock Berm	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00903120042	Berm	Rock Berm	—	X	—	X
CDV-SMA-2.5	Baseline	12/15/2010	V00904060005	Channel/Swale	Rip Rap	X	—	X	—
CDV-SMA-2.5	Baseline	12/15/2010	V00904060006	Channel/Swale	Rip Rap	X	—	—	X
CDV-SMA-2.5	Baseline	12/15/2010	V00904060007	Channel/Swale	Rip Rap	X	—	X	—
CDV-SMA-2.5	Baseline	12/15/2010	V00904060009	Channel/Swale	Rip Rap	X	—	X	—
CDV-SMA-2.5	Additional	n/a	V00906010029	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00906010030	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00906010031	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00906010044	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00906010045	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00906010046	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00906010047	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00906010048	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.5	Additional	n/a	V00906010049	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.5	Additional	n/a	V00906010050	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.51	Additional	n/a	V009A02040029	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-2.51	Baseline	12/15/2010	V009A03020005	Berm	Base Course Berm	—	X	X	—
CDV-SMA-2.51	Baseline	12/15/2010	V009A03020012	Berm	Base Course Berm	—	X	X	—
CDV-SMA-2.51	Additional	n/a	V009A03060030	Berm	Straw Wattle	—	X	X	—
CDV-SMA-2.51	Additional	n/a	V009A03060031	Berm	Straw Wattle	—	X	X	—
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010003	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010004	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010006	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010013	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010014	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010015	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CDV-SMA-2.51	Baseline	12/15/2010	V009A06010016	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-2.51	Baseline	12/15/2010	V009A06030017	Check Dam	Juniper Bales	—	X	X	—
CDV-SMA-3	Additional	n/a	V01002040013	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-3	Enhanced	7/18/2012	V01003010010	Berm	Earthen Berm	—	X	—	X
CDV-SMA-3	Enhanced	7/18/2012	V01003010011	Berm	Earthen Berm	—	X	—	X
CDV-SMA-3	Baseline	1/12/2011	V01003120005	Berm	Rock Berm	—	X	X	—
CDV-SMA-3	Baseline	1/12/2011	V01003120009	Berm	Rock Berm	—	X	—	X
CDV-SMA-3	Baseline	1/12/2011	V01006010004	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-4	Additional	n/a	V01102040010	Permanent Vegetation	Established Vegetation	X	—	—	—
CDV-SMA-4	Additional	n/a	V01103010008	Berm	Earthen Berm	—	X	—	X
CDV-SMA-4	Additional	n/a	V01104060007	Channel/Swale	Rip Rap	X	—	X	—
CDV-SMA-4	Additional	n/a	V01104060011	Channel/Swale	Rip Rap	X	—	—	—
CDV-SMA-4	Additional	n/a	V01106010009	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-6.01	Additional	n/a	V01202040013	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-6.01	Additional	n/a	V01203010016	Berm	Earthen Berm	—	X	—	X
CDV-SMA-6.01	Enhanced	10/15/2015	V01203010017	Berm	Earthen Berm	—	X	X	—
CDV-SMA-6.01	Enhanced	10/15/2015	V01203010018	Berm	Earthen Berm	—	X	—	X
CDV-SMA-6.01	Baseline	1/12/2011	V01203020003	Berm	Base Course Berm	—	X	—	X
CDV-SMA-6.01	Additional	n/a	V01206010022	Check Dam	Rock Check Dam	—	X	—	X
CDV-SMA-6.02	Enhanced	7/18/2012	V012A01010005	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
CDV-SMA-6.02	Enhanced	7/18/2012	V012A03010004	Berm	Earthen Berm	—	X	—	X
CDV-SMA-6.02	Enhanced	7/18/2012	V012A03010006	Berm	Earthen Berm	—	X	—	X
CDV-SMA-6.02	Additional	n/a	V012A03060008	Berm	Straw Wattle	—	X	—	X
CDV-SMA-6.02	Additional	n/a	V012A03140009	Berm	Coir Log	—	X	—	X
CDV-SMA-6.02	Additional	n/a	V012A03140010	Berm	Coir Log	—	X	—	X
CDV-SMA-7	Additional	n/a	V01303140020	Berm	Coir Log	—	X	—	X
CDV-SMA-7	Additional	n/a	V01302040008	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-7	Baseline	12/15/2010	V01303010006	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CDV-SMA-7	Baseline	9/4/2015	V01303010007	Berm	Earthen Berm	—	X	—	X
CDV-SMA-7	Enhanced	9/4/2015	V01303140010	Berm	Coir Log	—	X	—	X
CDV-SMA-7	Enhanced	9/4/2015	V01303140011	Berm	Coir Log	—	X	—	X
CDV-SMA-7	Enhanced	9/4/2015	V01303140013	Berm	Coir Log	—	X	X	—
CDV-SMA-7	Enhanced	9/4/2015	V01304010015	Channel/Swale	Earthen Channel/Swale	X	—	X	—
CDV-SMA-7	Additional	n/a	V01304040009	Channel/Swale	Culvert	X	—	X	—
CDV-SMA-7	Enhanced	9/4/2015	V01306010014	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-7	Additional	n/a	V01306010016	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-7	Additional	n/a	V01306010017	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-7	Additional	n/a	V01306010018	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-7	Additional	n/a	V01306010019	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8	Additional	n/a	V01402040009	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-8	Additional	n/a	V01403010008	Berm	Earthen Berm	—	X	X	—
CDV-SMA-8	Additional	n/a	V01403010012	Berm	Earthen Berm	—	X	X	—
CDV-SMA-8	Baseline	12/22/2010	V01406010003	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8	Additional	n/a	V01406010010	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8	Additional	n/a	V01406010011	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8	Additional	n/a	V01406010013	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8	Additional	n/a	V01406010014	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8	Additional	n/a	V01406010015	Check Dam	Rock Check Dam	—	X	X	—
CDV-SMA-8.5	Additional	n/a	V01502040006	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-8.5	Baseline	12/15/2010	V01503010005	Berm	Earthen Berm	—	X	X	—
CDV-SMA-9.05	Additional	n/a	V01602040005	Permanent Vegetation	Established Vegetation	X	—	—	X
CDV-SMA-9.05	Baseline	12/22/2010	V01603010002	Berm	Earthen Berm	—	X	—	X
CDV-SMA-9.05	Baseline	12/22/2010	V01603010003	Berm	Earthen Berm	—	X	—	X
CDV-SMA-9.05	Baseline	12/22/2010	V01603010004	Berm	Earthen Berm	—	X	X	—
CDV-SMA-9.05	Additional	n/a	V01603140006	Berm	Coir Log	—	X	—	X
CHQ-SMA-0.5	Additional	n/a	Q00102040008	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CHQ-SMA-0.5	Enhanced	10/28/2015	Q00103010010	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-0.5	Enhanced	10/28/2015	Q00103010011	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-0.5	Enhanced	10/28/2015	Q00103140009	Berm	Coir Log	—	X	—	X
CHQ-SMA-0.5	Baseline	1/12/2011	Q00104050006	Channel/Swale	Water Bar	—	X	X	—
CHQ-SMA-0.5	Baseline	1/12/2011	Q00104050007	Channel/Swale	Water Bar	—	X	X	—
CHQ-SMA-0.5	Baseline	1/12/2011	Q00106010003	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-0.5	Baseline	1/12/2011	Q00106010004	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-0.5	Baseline	1/12/2011	Q00106010005	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-1.01	Additional	n/a	Q00202040008	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-1.01	Additional	n/a	Q00203060009	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-1.01	Additional	n/a	Q00203060011	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-1.01	Additional	n/a	Q00203060012	Berm	Straw Wattle	—	X	—	X
CHQ-SMA-1.01	Additional	n/a	Q00203060013	Berm	Straw Wattle	—	X	—	X
CHQ-SMA-1.01	Additional	n/a	Q00203060014	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-1.02	Enhanced	10/23/2012	Q002A03010010	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-1.02	Enhanced	10/23/2012	Q002A03010011	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-1.02	Enhanced	10/23/2012	Q002A03010012	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-1.02	Enhanced	10/23/2012	Q002A03010013	Berm	Earthen Berm	—	X	X	—
CHQ-SMA-1.02	Enhanced	9/4/2015	Q002A03150014	Berm	Redi-Rock Berm	—	X	—	X
CHQ-SMA-1.02	Baseline	1/12/2011	Q002A06010002	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-1.02	Baseline	1/12/2011	Q002A06010003	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-1.02	Baseline	1/12/2011	Q002A06010007	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-1.02	Baseline	1/12/2011	Q002A06010009	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-1.02	Baseline	1/12/2011	Q002A08030004	Cap	Concrete/Asphalt Cap	X	—	—	—
CHQ-SMA-1.03	Additional	n/a	Q002B02040012	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-1.03	Enhanced	5/13/2014	Q002B03150013	Berm	Redi-Rock Berm	—	X	—	X
CHQ-SMA-1.03	Baseline	1/12/2011	Q002B04060006	Channel/Swale	Rip Rap	X	—	X	—
CHQ-SMA-1.03	Baseline	1/12/2011	Q002B04060007	Channel/Swale	Rip Rap	X	—	—	X

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CHQ-SMA-1.03	Baseline	1/12/2011	Q002B04060010	Channel/Swale	Rip Rap	X	—	—	X
CHQ-SMA-1.03	Baseline	1/12/2011	Q002B06010004	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-1.03	Baseline	1/12/2011	Q002B06010008	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-1.03	Baseline	1/12/2011	Q002B06010011	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-1.03	Baseline	1/12/2011	Q002B08030003	Cap	Concrete/Asphalt Cap	X	—	—	X
CHQ-SMA-2	Additional	n/a	Q00302040023	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00303010030	Berm	Earthen Berm	—	X	X	—
CHQ-SMA-2	Enhanced	10/28/2015	Q00303020028	Berm	Base Course Berm	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00303020029	Berm	Base Course Berm	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00303020053	Berm	Base Course Berm	—	X	X	—
CHQ-SMA-2	Enhanced	10/28/2015	Q00303020054	Berm	Base Course Berm	—	X	X	—
CHQ-SMA-2	Baseline	1/12/2011	Q00303040015	Berm	Asphalt Berm	—	X	X	—
CHQ-SMA-2	Enhanced	10/28/2015	Q00303140031	Berm	Coir Log	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00303140032	Berm	Coir Log	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00303140033	Berm	Coir Log	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00303140034	Berm	Coir Log	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010035	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010036	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010037	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010038	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010039	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010040	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010041	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010042	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010043	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010044	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010045	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010046	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010047	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010048	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Additional	n/a	Q00306010049	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010050	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010051	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-2	Enhanced	10/28/2015	Q00306010052	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-3.05	Additional	n/a	Q00402040009	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-3.05	Enhanced	8/10/2015	Q00403010015	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-3.05	Baseline	1/12/2011	Q00403060002	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-3.05	Enhanced	8/10/2015	Q00403120014	Berm	Rock Berm	—	X	—	X
CHQ-SMA-3.05	Enhanced	8/10/2015	Q00403140010	Berm	Coir Log	—	X	X	—
CHQ-SMA-3.05	Enhanced	8/10/2015	Q00403140011	Berm	Coir Log	—	X	—	X
CHQ-SMA-3.05	Enhanced	8/10/2015	Q00403140012	Berm	Coir Log	—	X	X	—
CHQ-SMA-3.05	Enhanced	8/10/2015	Q00403140013	Berm	Coir Log	—	X	—	X
CHQ-SMA-4	Additional	n/a	Q00502040019	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-4	Additional	n/a	Q00503010020	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-4	Baseline	1/12/2011	Q00503060006	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-4	Additional	n/a	Q00503140021	Berm	Coir Log	—	X	X	—
CHQ-SMA-4	Additional	n/a	Q00503140022	Berm	Coir Log	—	X	X	—
CHQ-SMA-4	Baseline	1/12/2011	Q00506010003	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-4	Baseline	1/12/2011	Q00506010004	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-4	Baseline	1/12/2011	Q00506010005	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-4.1	Additional	n/a	Q00602040008	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-4.1	Additional	n/a	Q00603060009	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-4.1	Additional	n/a	Q00603060010	Berm	Straw Wattle	—	X	X	—
CHQ-SMA-4.1	Baseline	1/12/2011	Q00606010002	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-4.1	Baseline	1/12/2011	Q00606010003	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-4.5	Additional	n/a	Q00702040010	Permanent Vegetation	Established Vegetation	X	—	—	X



SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CHQ-SMA-4.5	Additional	n/a	Q00703010009	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-4.5	Additional	n/a	Q00703060014	Berm	Straw Wattle	—	X	—	X
CHQ-SMA-4.5	Additional	n/a	Q00703140017	Berm	Coir Log	—	X	—	X
CHQ-SMA-4.5	Additional	n/a	Q00703140018	Berm	Coir Log	—	X	—	X
CHQ-SMA-4.5	Additional	n/a	Q00703140019	Berm	Coir Log	—	X	—	X
CHQ-SMA-4.5	Baseline	1/12/2011	Q00706010002	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-4.5	Baseline	1/12/2011	Q00706010003	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-5.05	Additional	n/a	Q00802040008	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-5.05	Baseline	11/1/2010	Q00803020006	Berm	Base Course Berm	—	X	—	X
CHQ-SMA-5.05	Baseline	11/1/2010	Q00804060002	Channel/Swale	Rip Rap	X	—	—	X
CHQ-SMA-5.05	Baseline	11/1/2010	Q00804060005	Channel/Swale	Rip Rap	X	—	X	—
CHQ-SMA-5.05	Baseline	11/1/2010	Q00804060007	Channel/Swale	Rip Rap	X	—	—	X
CHQ-SMA-5.05	Baseline	11/1/2010	Q00806010003	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-6	Additional	n/a	Q00902040036	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-6	Baseline	1/12/2011	Q00903010017	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-6	Enhanced	8/10/2015	Q00903010041	Berm	Earthen Berm	—	X	—	X
CHQ-SMA-6	Additional	n/a	Q00903060035	Berm	Straw Wattle	—	X	—	X
CHQ-SMA-6	Additional	n/a	Q00903060040	Berm	Straw Wattle	—	X	—	X
CHQ-SMA-6	Additional	n/a	Q00903120030	Berm	Rock Berm	—	X	X	—
CHQ-SMA-6	Additional	n/a	Q00903120031	Berm	Rock Berm	—	X	X	—
CHQ-SMA-6	Additional	n/a	Q00903120032	Berm	Rock Berm	—	X	X	—
CHQ-SMA-6	Enhanced	8/10/2015	Q00903150043	Berm	Redi-Rock Berm	—	X	X	—
CHQ-SMA-6	Baseline	1/12/2011	Q00906010001	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-6	Baseline	1/12/2011	Q00906010007	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-6	Baseline	1/12/2011	Q00906010008	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-6	Baseline	1/12/2011	Q00906010011	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Baseline	1/12/2011	Q00906010018	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Baseline	1/12/2011	Q00906010021	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
CHQ-SMA-6	Baseline	1/12/2011	Q00906010022	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-6	Baseline	1/12/2011	Q00906010023	Check Dam	Rock Check Dam	—	X	—	X
CHQ-SMA-6	Baseline	1/12/2011	Q00906010024	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Baseline	1/12/2011	Q00906010025	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Baseline	1/12/2011	Q00906010026	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Baseline	1/12/2011	Q00906010027	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Additional	n/a	Q00906010037	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Additional	n/a	Q00906010038	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Additional	n/a	Q00906010039	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-6	Enhanced	8/10/2015	Q00906010042	Check Dam	Rock Check Dam	—	X	X	—
CHQ-SMA-7.1	Additional	n/a	Q01002040012	Permanent Vegetation	Established Vegetation	X	—	—	X
CHQ-SMA-7.1	Additional	n/a	Q01003010010	Berm	Earthen Berm	—	X	X	—
CHQ-SMA-7.1	Additional	n/a	Q01003010011	Berm	Earthen Berm	—	X	X	—
CHQ-SMA-7.1	Baseline	1/12/2011	Q01006010003	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-0.3	Additional	n/a	D00102040025	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-0.3	Additional	n/a	D00104010026	Channel/Swale	Earthen Channel/Swale	X	—	X	—
DP-SMA-0.3	Enhanced	7/8/2013	D00106010018	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-0.3	Enhanced	7/8/2013	D00106010019	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-0.4	Additional	n/a	D00202040009	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-0.4	Additional	n/a	D00203060008	Berm	Straw Wattle	—	X	—	X
DP-SMA-0.4	Additional	n/a	D00203060010	Berm	Straw Wattle	—	X	X	—
DP-SMA-0.4	Baseline	12/7/2010	D00204040003	Channel/Swale	Culvert	X	—	X	—
DP-SMA-0.4	Baseline	12/7/2010	D00204060006	Channel/Swale	Rip Rap	—	X	X	—
DP-SMA-0.6	Additional	n/a	D00302040015	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-0.6	Baseline	3/29/2011	D00303010013	Berm	Earthen Berm	—	X	—	X
DP-SMA-0.6	Baseline	3/29/2011	D00303010014	Berm	Earthen Berm	—	X	—	X
DP-SMA-0.6	Baseline	3/29/2011	D00303020011	Berm	Base Course Berm	—	X	X	—
DP-SMA-0.6	Baseline	3/29/2011	D00304010004	Channel/Swale	Earthen Channel/Swale	X	—	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
DP-SMA-0.6	Baseline	3/29/2011	D00305020010	Sediment Traps and Basins	Sediment Basin	—	X	—	X
DP-SMA-0.6	Baseline	3/29/2011	D00308020012	Cap	Rock Cap	X	—	—	—
DP-SMA-1	Additional	n/a	D00402040015	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-1	Baseline	12/7/2010	D00403010002	Berm	Earthen Berm	—	X	X	—
DP-SMA-1	Additional	n/a	D00403010011	Berm	Earthen Berm	—	X	—	X
DP-SMA-1	Additional	n/a	D00403010017	Berm	Earthen Berm	—	X	—	X
DP-SMA-1	Additional	n/a	D00403020014	Berm	Base Course Berm	—	X	X	—
DP-SMA-1	Additional	n/a	D00403060013	Berm	Straw Wattle	—	X	X	—
DP-SMA-1	Baseline	12/7/2010	D00403120009	Berm	Rock Berm	—	X	—	X
DP-SMA-1	Additional	n/a	D00403120012	Berm	Rock Berm	—	X	—	X
DP-SMA-1	Additional	n/a	D00404060016	Channel/Swale	Rip Rap	X	—	X	—
DP-SMA-1	Baseline	12/7/2010	D00406030006	Check Dam	Juniper Bales	—	X	—	X
DP-SMA-2	Additional	n/a	D00502040012	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-2	Additional	n/a	D00503010011	Berm	Earthen Berm	—	X	—	X
DP-SMA-2	Baseline	11/1/2010	D00503020003	Berm	Base Course Berm	—	X	X	—
DP-SMA-2	Baseline	11/1/2010	D00506030007	Check Dam	Juniper Bales	—	X	—	X
DP-SMA-2	Baseline	11/1/2010	D00506030009	Check Dam	Juniper Bales	—	X	—	X
DP-SMA-2.35	Additional	n/a	D00602040007	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-2.35	Baseline	12/7/2010	D00603020002	Berm	Base Course Berm	—	X	—	X
DP-SMA-2.35	Baseline	12/7/2010	D00604060004	Channel/Swale	Rip Rap	X	—	—	X
DP-SMA-3	Additional	n/a	D00702040023	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010016	Berm	Earthen Berm	—	X	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010017	Berm	Earthen Berm	—	X	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010018	Berm	Earthen Berm	—	X	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010019	Berm	Earthen Berm	—	X	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010020	Berm	Earthen Berm	—	X	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010021	Berm	Earthen Berm	—	X	—	X
DP-SMA-3	Enhanced	8/30/2012	D00703010022	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
DP-SMA-3	Baseline	1/12/2011	D00703120015	Berm	Rock Berm	—	X	—	X
DP-SMA-3	Baseline	1/12/2011	D00706010008	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-3	Baseline	1/12/2011	D00706010009	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-3	Baseline	1/12/2011	D00706010010	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-3	Baseline	1/12/2011	D00706010011	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-3	Baseline	1/12/2011	D00706010012	Check Dam	Rock Check Dam	—	X	—	X
DP-SMA-4	Additional	n/a	D00802040009	Permanent Vegetation	Established Vegetation	X	—	—	X
DP-SMA-4	Baseline	12/7/2010	D00803010007	Berm	Earthen Berm	—	X	—	X
DP-SMA-4	Additional	n/a	D00803100010	Berm	Gravel Bags	—	X	—	X
DP-SMA-4	Additional	n/a	D00803100011	Berm	Gravel Bags	—	X	—	X
DP-SMA-4	Additional	n/a	D00806010008	Check Dam	Rock Check Dam	—	X	X	—
DP-SMA-4	Additional	n/a	D00808020012	Cap	Rock Cap	X	—	X	—
F-SMA-2	Additional	n/a	F00102040018	Permanent Vegetation	Established Vegetation	X	—	—	X
F-SMA-2	Additional	n/a	F00103010017	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Additional	n/a	F00103010024	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010025	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010026	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010027	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010028	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010029	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010030	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010031	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Additional	n/a	F00103010035	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010036	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010037	Berm	Earthen Berm	—	X	X	—
F-SMA-2	Enhanced	9/28/2015	F00103010039	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010040	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010041	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
F-SMA-2	Enhanced	9/28/2015	F00103010042	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010043	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103010044	Berm	Earthen Berm	—	X	—	X
F-SMA-2	Enhanced	9/28/2015	F00103120021	Berm	Rock Berm	—	X	—	—
F-SMA-2	Enhanced	9/28/2015	F00103120023	Berm	Rock Berm	—	X	—	X
F-SMA-2	Baseline	12/22/2010	F00104010001	Channel/Swale	Earthen Channel/Swale	X	—	X	—
F-SMA-2	Enhanced	9/28/2015	F00104010038	Channel/Swale	Earthen Channel/Swale	X	—	X	—
F-SMA-2	Enhanced	9/28/2015	F00104050033	Channel/Swale	Water Bar	X	—	—	—
F-SMA-2	Enhanced	9/28/2015	F00104060034	Channel/Swale	Rip Rap	X	—	—	—
F-SMA-2	Enhanced	9/28/2015	F00105060022	Sediment Traps and Basins	Infiltration Basin	—	X	—	X
LA-SMA-0.85	Additional	n/a	L00102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-0.85	Enhanced	10/23/2012	L00103010008	Berm	Earthen Berm	—	X	—	X
LA-SMA-0.85	Baseline	11/1/2010	L00103090006	Berm	Curbing	—	X	X	—
LA-SMA-0.85	Additional	n/a	L00106010010	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-0.85	Baseline	11/1/2010	L00107010004	Gabion	Gabions	—	X	—	X
LA-SMA-0.9	Additional	n/a	L00202040020	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-0.9	Additional	n/a	L00203010023	Berm	Earthen Berm	—	X	—	X
LA-SMA-0.9	Additional	n/a	L00203010024	Berm	Earthen Berm	—	X	—	X
LA-SMA-0.9	Additional	n/a	L00203010027	Berm	Earthen Berm	—	X	X	—
LA-SMA-0.9	Baseline	12/9/2010	L00203090002	Berm	Curbing	—	X	X	—
LA-SMA-0.9	Baseline	12/9/2010	L00203090003	Berm	Curbing	—	X	X	—
LA-SMA-0.9	Baseline	12/9/2010	L00204040004	Channel/Swale	Culvert	X	—	X	—
LA-SMA-0.9	Additional	n/a	L00204040026	Channel/Swale	Culvert	X	—	X	—
LA-SMA-1	Additional	n/a	L00302040025	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-1	Enhanced	11/27/2012	L00303010019	Berm	Earthen Berm	—	X	—	X
LA-SMA-1	Additional	n/a	L00303100015	Berm	Gravel Bags	—	X	X	—
LA-SMA-1	Additional	n/a	L00303120018	Berm	Rock Berm	—	X	—	X
LA-SMA-1	Additional	n/a	L00303120027	Berm	Rock Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-1	Baseline	12/9/2010	L00304020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
LA-SMA-1	Enhanced	11/27/2012	L00304030020	Channel/Swale	Rock Channel/Swale	X	—	X	—
LA-SMA-1	Baseline	12/9/2010	L00304040004	Channel/Swale	Culvert	X	—	X	—
LA-SMA-1	Enhanced	11/27/2012	L00304040021	Channel/Swale	Culvert	X	—	X	—
LA-SMA-1	Enhanced	11/27/2012	L00304060022	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-1	Additional	n/a	L00304060023	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-1	Additional	n/a	L00304060024	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-1.1	Additional	n/a	L00402040007	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-1.1	Baseline	12/8/2010	L00404060003	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-1.1	Additional	n/a	L00404060005	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-1.1	Baseline	12/8/2010	L00406010004	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-1.25	Additional	n/a	L00502040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-1.25	Enhanced	8/30/2012	L00503010007	Berm	Earthen Berm	—	X	—	X
LA-SMA-1.25	Baseline	11/1/2010	L00503020001	Berm	Base Course Berm	—	X	X	—
LA-SMA-10.11	Baseline	12/8/2010	L03004060003	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-10.11	Baseline	12/8/2010	L03004060009	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-10.11	Baseline	12/8/2010	L03006010001	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-10.12	Additional	n/a	L030A02040032	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-10.12	Additional	n/a	L030A03010025	Berm	Earthen Berm	—	X	—	X
LA-SMA-10.12	Enhanced	11/30/2012	L030A03010026	Berm	Earthen Berm	—	X	X	—
LA-SMA-10.12	Enhanced	11/30/2012	L030A03010027	Berm	Earthen Berm	—	X	—	X
LA-SMA-10.12	Enhanced	11/30/2012	L030A03060028	Berm	Straw Wattle	—	X	X	—
LA-SMA-10.12	Additional	n/a	L030A03060034	Berm	Straw Wattle	—	X	—	X
LA-SMA-10.12	Additional	n/a	L030A03060035	Berm	Straw Wattle	—	X	—	X
LA-SMA-10.12	Additional	n/a	L030A03060036	Berm	Straw Wattle	—	X	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A03120005	Berm	Rock Berm	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A03120006	Berm	Rock Berm	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A03120009	Berm	Rock Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-10.12	Baseline	4/26/2011	L030A03120012	Berm	Rock Berm	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A03120015	Berm	Rock Berm	—	X	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A03120016	Berm	Rock Berm	—	X	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A03120017	Berm	Rock Berm	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A03120019	Berm	Rock Berm	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A03120020	Berm	Rock Berm	—	X	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A03120021	Berm	Rock Berm	—	X	—	X
LA-SMA-10.12	Enhanced	11/30/2012	L030A03120030	Berm	Rock Berm	—	X	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A04060007	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A06010001	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A06010002	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A06010003	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-10.12	Baseline	4/26/2011	L030A06010008	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-10.12	Baseline	4/26/2011	L030A06010011	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-2.1	Additional	n/a	L00601060009	Seed and Mulch	Erosion Control Blanket	X	—	—	—
LA-SMA-2.1	Enhanced	9/25/2014	L00601060015	Seed and Mulch	Erosion Control Blanket	X	—	—	—
LA-SMA-2.1	Enhanced	9/25/2014	L00602030017	Permanent Vegetation	Permanent Vegetation Vegetative Buffer Strip	X	X	—	X
LA-SMA-2.1	Additional	n/a	L00602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-2.1	Baseline	4/26/2011	L00603080002	Berm	Retaining Wall	—	X	X	—
LA-SMA-2.1	Enhanced	9/25/2014	L00603140014	Berm	Coir Log	—	X	—	X
LA-SMA-2.1	Additional	n/a	L00604010010	Channel/Swale	Earthen Channel/Swale	X	—	X	—
LA-SMA-2.1	Additional	n/a	L00604040018	Channel/Swale	Culvert	X	—	X	—
LA-SMA-2.1	Baseline	4/26/2011	L00604060006	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-2.1	Enhanced	9/25/2014	L00605020016	Sediment Traps and Basins	Sediment Basin	—	X	—	X
LA-SMA-2.3	Additional	n/a	L00702040006	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-2.3	Additional	n/a	L00703060009	Berm	Straw Wattle	—	X	—	X
LA-SMA-2.3	Baseline	12/8/2010	L00703080002	Berm	Retaining Wall	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-3.1	Additional	n/a	L00802040007	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-3.1	Additional	n/a	L00803140009	Berm	Coir Log	—	X	—	X
LA-SMA-3.1	Baseline	11/1/2010	L00804040004	Channel/Swale	Culvert	X	—	X	—
LA-SMA-3.9	Additional	n/a	L00901060007	Seed and Mulch	Erosion Control Blanket	—	X	—	X
LA-SMA-3.9	Additional	n/a	L00902040005	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-3.9	Additional	n/a	L00903060006	Berm	Straw Wattle	—	X	—	X
LA-SMA-3.9	Baseline	12/8/2010	L00904040002	Channel/Swale	Culvert	X	—	X	—
LA-SMA-3.9	Additional	n/a	L00906020008	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-4.1	Additional	n/a	L01001060011	Seed and Mulch	Erosion Control Blanket	X	—	X	—
LA-SMA-4.1	Additional	n/a	L01002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-4.1	Additional	n/a	L01003060012	Berm	Straw Wattle	X	—	X	—
LA-SMA-4.2	Additional	n/a	L01102040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-4.2	Baseline	11/1/2010	L01106010002	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-4.2	Baseline	11/1/2010	L01106010005	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-5.01	Additional	n/a	L01202040012	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.01	Baseline	12/8/2010	L01203010004	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.01	Baseline	12/8/2010	L01203010007	Berm	Earthen Berm	—	X	X	—
LA-SMA-5.01	Additional	n/a	L01203060013	Berm	Straw Wattle	—	X	X	—
LA-SMA-5.01	Additional	n/a	L01203060024	Berm	Straw Wattle	—	X	—	X
LA-SMA-5.01	Additional	n/a	L01203060025	Berm	Straw Wattle	—	X	X	—
LA-SMA-5.01	Additional	n/a	L01203100023	Berm	Gravel Bags	—	X	X	—
LA-SMA-5.01	Baseline	12/16/2010	L01203120010	Berm	Rock Berm	—	X	X	—
LA-SMA-5.01	Baseline	12/16/2010	L01204050008	Channel/Swale	Water Bar	X	—	X	—
LA-SMA-5.01	Baseline	12/8/2010	L01204060006	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-5.02	Additional	n/a	L012A02040012	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.02	Additional	n/a	L012A03060027	Berm	Straw Wattle	—	X	—	X
LA-SMA-5.02	Additional	n/a	L012A03090022	Berm	Curbing	—	X	X	—
LA-SMA-5.02	Additional	n/a	L012A03140024	Berm	Coir Log	—	X	—	X



SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-5.02	Additional	n/a	L012A03140025	Berm	Coir Log	—	X	—	X
LA-SMA-5.02	Additional	n/a	L012A03140026	Berm	Coir Log	—	X	—	X
LA-SMA-5.2	Additional	n/a	L01302040005	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.2	Additional	n/a	L01306020007	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-5.31	Additional	n/a	L01501010015	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
LA-SMA-5.31	Additional	n/a	L01503010012	Berm	Earthen Berm	—	X	X	—
LA-SMA-5.31	Enhanced	7/27/2012	L01503120011	Berm	Rock Berm	—	X	—	X
LA-SMA-5.31	Additional	n/a	L01504060013	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-5.33	Additional	n/a	L01602040014	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.33	Enhanced	7/30/2012	L01603010009	Berm	Earthen Berm	—	X	X	—
LA-SMA-5.35	Enhanced	11/27/2012	L01408030010	Cap	Concrete/Asphalt Cap	X	—	X	—
LA-SMA-5.35	Enhanced	11/27/2012	L01408030014	Cap	Concrete/Asphalt Cap	X	—	—	X
LA-SMA-5.35	Enhanced	11/27/2012	L01408040011	Cap	Metal Cap	X	—	X	—
LA-SMA-5.35	Enhanced	11/27/2012	L01408040012	Cap	Metal Cap	X	—	X	—
LA-SMA-5.35	Enhanced	11/27/2012	L01408040013	Cap	Metal Cap	X	—	X	—
LA-SMA-5.361	Additional	n/a	L01702040010	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.361	Additional	n/a	L01703020012	Berm	Base Course Berm	—	X	X	—
LA-SMA-5.361	Additional	n/a	L01706010009	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-5.361	Additional	n/a	L01708020013	Cap	Rock Cap	X	—	—	—
LA-SMA-5.362	Additional	n/a	L017A02040010	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.362	Additional	n/a	L017A03020012	Berm	Base Course Berm	—	X	X	—
LA-SMA-5.362	Baseline	3/29/2011	L017A06010006	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-5.362	Additional	n/a	L017A08020013	Cap	Rock Cap	X	—	—	—
LA-SMA-5.51	Additional	n/a	L01802040009	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.51	Enhanced	6/27/2014	L01803010010	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.51	Enhanced	6/27/2014	L01803010011	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.51	Enhanced	6/27/2014	L01803010012	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.51	Baseline	3/29/2011	L01807010003	Gabion	Gabions	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-5.52	Enhanced	10/28/2015	L018A01060021	Seed and Mulch	Erosion Control Blanket	X	—	—	—
LA-SMA-5.52	Additional	n/a	L018A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.52	Enhanced	10/28/2015	L018A03010009	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.52	Enhanced	10/28/2015	L018A03140011	Berm	Coir Log	—	X	X	—
LA-SMA-5.52	Enhanced	10/28/2015	L018A03140012	Berm	Coir Log	—	X	X	—
LA-SMA-5.52	Enhanced	10/28/2015	L018A03140013	Berm	Coir Log	—	X	X	—
LA-SMA-5.52	Enhanced	10/28/2015	L018A03140014	Berm	Coir Log	—	X	X	—
LA-SMA-5.52	Enhanced	10/28/2015	L018A03140018	Berm	Coir Log	—	X	X	—
LA-SMA-5.52	Enhanced	10/28/2015	L018A03140019	Berm	Coir Log	—	X	X	—
LA-SMA-5.52	Additional	n/a	L018A04030008	Channel/Swale	Rock Channel/Swale	X	—	X	—
LA-SMA-5.52	Enhanced	10/28/2015	L018A06010010	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-5.52	Enhanced	10/28/2015	L018A06010020	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.53	Additional	n/a	L018B02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.53	Baseline	3/29/2011	L018B03010002	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.54	Additional	n/a	L018C02040033	Permanent Vegetation	Established Vegetation	X	—	—	—
LA-SMA-5.54	Baseline	3/29/2011	L018C03010002	Berm	Earthen Berm	—	X	X	—
LA-SMA-5.54	Enhanced	9/25/2014	L018C03010014	Berm	Earthen Berm	—	X	—	X
LA-SMA-5.54	Enhanced	9/25/2014	L018C03010015	Berm	Earthen Berm	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03120024	Berm	Rock Berm	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03140020	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03140021	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03140022	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Enhanced	9/25/2014	L018C03140026	Berm	Coir Log	—	X	—	X
LA-SMA-5.54	Additional	n/a	L018C03140028	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03140029	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03140030	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C03140031	Berm	Coir Log	—	X	X	—
LA-SMA-5.54	Enhanced	9/25/2014	L018C04030013	Channel/Swale	Rock Channel/Swale	X	—	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-5.54	Additional	n/a	L018C04080016	Channel/Swale	TRM-Lined Swale	X	—	X	—
LA-SMA-5.54	Additional	n/a	L018C06010017	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C06010018	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C06010019	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.54	Additional	n/a	L018C06010023	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.91	Additional	n/a	L01902040010	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.91	Enhanced	7/8/2013	L01905020015	Sediment Traps and Basins	Sediment Basin	—	X	X	—
LA-SMA-5.91	Enhanced	7/8/2013	L01906020013	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-5.91	Enhanced	7/8/2013	L01906020014	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-5.92	Additional	n/a	L019A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-5.92	Enhanced	10/28/2015	L019A03010020	Berm	Earthen Berm	—	X	X	X
LA-SMA-5.92	Enhanced	10/28/2015	L019A03020012	Berm	Base Course Berm	X	—	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A03030021	Berm	Log Berm	—	X	—	X
LA-SMA-5.92	Enhanced	10/28/2015	L019A03030022	Berm	Log Berm	—	X	—	X
LA-SMA-5.92	Additional	n/a	L019A03140023	Berm	Coir Log	—	X	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A04010019	Channel/Swale	Earthen Channel/Swale	X	—	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A04060011	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-5.92	Enhanced	10/28/2015	L019A04060013	Channel/Swale	Rip Rap	X	—	—	X
LA-SMA-5.92	Baseline	11/1/2010	L019A05020006	Sediment Traps and Basins	Sediment Basin	—	X	—	X
LA-SMA-5.92	Enhanced	10/28/2015	L019A06010014	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A06010015	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A06010016	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A06010017	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.92	Enhanced	10/28/2015	L019A06010018	Check Dam	Rock Check Dam	—	X	X	—
LA-SMA-5.92	Additional	n/a	L019A06020009	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-5.92	Additional	n/a	L019A06020010	Check Dam	Log Check Dam	—	X	—	X
LA-SMA-6.25	Additional	n/a	L02002040007	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.25	Baseline	11/1/2010	L02003040002	Berm	Asphalt Berm	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-6.25	Additional	n/a	L02003140014	Berm	Coir Log	—	X	X	—
LA-SMA-6.25	Additional	n/a	L02006010013	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.27	Additional	n/a	L02102040011	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.27	Baseline	11/1/2010	L02103040001	Berm	Asphalt Berm	—	X	X	—
LA-SMA-6.27	Additional	n/a	L02103060018	Berm	Straw Wattle	—	X	—	X
LA-SMA-6.27	Additional	n/a	L02103060020	Berm	Straw Wattle	—	X	—	X
LA-SMA-6.27	Additional	n/a	L02106010015	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.27	Additional	n/a	L02106010016	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.27	Additional	n/a	L02106010017	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.3	Additional	n/a	L02202040009	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.3	Baseline	12/7/2010	L02203040005	Berm	Asphalt Berm	—	X	X	—
LA-SMA-6.3	Baseline	12/7/2010	L02206010001	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.3	Additional	n/a	L02206010010	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.31	Additional	n/a	L022A02040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.31	Baseline	12/7/2010	L022A03040002	Berm	Asphalt Berm	—	X	X	—
LA-SMA-6.31	Baseline	12/7/2010	L022A06010005	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.32	Additional	n/a	L02302040006	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.32	Baseline	12/7/2010	L02303040002	Berm	Asphalt Berm	—	X	X	—
LA-SMA-6.32	Baseline	12/7/2010	L02303060003	Berm	Straw Wattle	—	X	—	X
LA-SMA-6.32	Additional	n/a	L02303060005	Berm	Straw Wattle	—	X	—	X
LA-SMA-6.34	Additional	n/a	L02402040006	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.34	Baseline	12/7/2010	L02403040003	Berm	Asphalt Berm	—	X	X	—
LA-SMA-6.34	Baseline	12/7/2010	L02406010005	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-6.36	Additional	n/a	L02502040010	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.36	Baseline	12/7/2010	L02503010008	Berm	Earthen Berm	—	X	—	X
LA-SMA-6.36	Baseline	12/7/2010	L02503010009	Berm	Earthen Berm	—	X	X	—
LA-SMA-6.36	Baseline	12/7/2010	L02503090004	Berm	Curbing	—	X	X	—
LA-SMA-6.36	Additional	n/a	L02503100011	Berm	Gravel Bags	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
LA-SMA-6.38	Additional	n/a	L02602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.38	Additional	n/a	L02603060010	Berm	Straw Wattle	—	X	X	—
LA-SMA-6.38	Additional	n/a	L02603060012	Berm	Straw Wattle	—	X	—	X
LA-SMA-6.38	Baseline	12/7/2010	L02604060006	Channel/Swale	Rip Rap	X	—	X	—
LA-SMA-6.395	Additional	n/a	L02702040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.395	Baseline	12/7/2010	L02703010004	Berm	Earthen Berm	—	X	—	X
LA-SMA-6.395	Baseline	12/7/2010	L02703010005	Berm	Earthen Berm	—	X	X	—
LA-SMA-6.5	Additional	n/a	L02802040008	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-6.5	Baseline	12/7/2010	L02803010004	Berm	Earthen Berm	—	X	X	—
LA-SMA-6.5	Baseline	12/16/2010	L02803010006	Berm	Earthen Berm	—	X	X	—
LA-SMA-6.5	Baseline	12/7/2010	L02806010002	Check Dam	Rock Check Dam	—	X	—	X
LA-SMA-9	Additional	n/a	L02902040015	Permanent Vegetation	Established Vegetation	X	—	—	X
LA-SMA-9	Baseline	3/29/2011	L02903010014	Berm	Earthen Berm	—	X	—	X
LA-SMA-9	Additional	n/a	L02903020019	Berm	Base Course Berm	—	X	X	—
LA-SMA-9	Additional	n/a	L02903020021	Berm	Base Course Berm	—	X	—	X
LA-SMA-9	Additional	n/a	L02903120018	Berm	Rock Berm	—	X	X	—
LA-SMA-9	Baseline	3/29/2011	L02904050009	Channel/Swale	Water Bar	X	—	X	—
LA-SMA-9	Baseline	3/29/2011	L02904050010	Channel/Swale	Water Bar	X	—	X	—
M-SMA-1	Additional	n/a	M00102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-1	Baseline	11/1/2010	M00107010001	Gabion	Gabions	—	X	X	—
M-SMA-1	Baseline	11/1/2010	M00107010006	Gabion	Gabions	—	X	—	X
M-SMA-1	Enhanced	11/27/2012	M00107010008	Gabion	Gabions	—	X	—	X
M-SMA-1.2	Additional	n/a	M00202040009	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-1.2	Additional	n/a	M00203060012	Berm	Straw Wattle	—	X	X	—
M-SMA-1.2	Enhanced	9/25/2014	M00203140011	Berm	Coir Log	—	X	—	X
M-SMA-1.2	Baseline	12/13/2010	M00204060008	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-1.2	Enhanced	9/25/2014	M00205020010	Sediment Traps and Basins	Sediment Basin	—	X	—	X
M-SMA-1.2	Baseline	12/13/2010	M00206010003	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-1.2	Baseline	12/13/2010	M00206010004	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-1.21	Additional	n/a	M002A02040007	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-1.21	Additional	n/a	M002A03010006	Berm	Earthen Berm	—	X	—	X
M-SMA-1.21	Baseline	12/13/2010	M002A03020002	Berm	Base Course Berm	—	X	X	—
M-SMA-1.21	Baseline	12/13/2010	M002A03120005	Berm	Rock Berm	—	X	—	X
M-SMA-1.21	Baseline	12/13/2010	M002A04060003	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-1.21	Baseline	12/13/2010	M002A06010004	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-1.22	Additional	n/a	M002B02040014	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-1.22	Enhanced	5/2/2013	M002B03010010	Berm	Earthen Berm	—	X	—	X
M-SMA-1.22	Enhanced	5/2/2013	M002B03010011	Berm	Earthen Berm	—	X	—	X
M-SMA-1.22	Enhanced	5/2/2013	M002B03010012	Berm	Earthen Berm	—	X	—	X
M-SMA-1.22	Baseline	1/12/2011	M002B04050002	Channel/Swale	Water Bar	X	—	X	—
M-SMA-1.22	Enhanced	5/2/2013	M002B05030013	Sediment Traps and Basins	Sand Filter	—	X	—	X
M-SMA-1.22	Baseline	1/12/2011	M002B06010008	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-1.22	Baseline	1/12/2011	M002B06010009	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10	Additional	n/a	M01202040012	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-10	Baseline	12/13/2010	M01204060004	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-10	Baseline	12/13/2010	M01204060007	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-10	Baseline	12/13/2010	M01206010001	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10	Baseline	12/13/2010	M01206010005	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10	Baseline	12/13/2010	M01206010006	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10	Baseline	12/13/2010	M01206010009	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10	Baseline	12/13/2010	M01206010010	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10.01	Additional	n/a	M012A02040008	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-10.01	Enhanced	9/25/2012	M012A03010006	Berm	Earthen Berm	—	X	—	X
M-SMA-10.01	Enhanced	9/25/2012	M012A03010007	Berm	Earthen Berm	—	X	—	X
M-SMA-10.01	Baseline	12/13/2010	M012A06010003	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10.3	Additional	n/a	M01302040014	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-10.3	Baseline	4/26/2011	M01303010012	Berm	Earthen Berm	—	X	—	X
M-SMA-10.3	Baseline	4/26/2011	M01303100013	Berm	Gravel Bags	—	X	X	—
M-SMA-10.3	Additional	n/a	M01306010017	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10.3	Additional	n/a	M01306010018	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-10.3	Additional	n/a	M01308020019	Cap	Rock Cap	X	—	X	—
M-SMA-11.1	Additional	n/a	M01402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-11.1	Baseline	12/13/2010	M01403090005	Berm	Curbing	—	X	X	—
M-SMA-11.1	Additional	n/a	M01403100010	Berm	Gravel Bags	—	X	X	—
M-SMA-11.1	Baseline	12/13/2010	M01404060001	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-11.1	Baseline	12/13/2010	M01406020006	Check Dam	Log Check Dam	—	X	—	X
M-SMA-12	Additional	n/a	M01502040008	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12	Additional	n/a	M01503090010	Berm	Curbing	—	X	X	—
M-SMA-12	Baseline	3/29/2011	M01506020001	Check Dam	Log Check Dam	—	X	—	X
M-SMA-12	Baseline	3/29/2011	M01506020006	Check Dam	Log Check Dam	—	X	—	X
M-SMA-12	Baseline	3/29/2011	M01506020007	Check Dam	Log Check Dam	—	X	—	X
M-SMA-12.5	Additional	n/a	M01601010011	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
M-SMA-12.5	Additional	n/a	M01602040012	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.5	Additional	n/a	M01603010009	Berm	Earthen Berm	—	X	X	—
M-SMA-12.5	Additional	n/a	M01603010010	Berm	Earthen Berm	—	X	—	X
M-SMA-12.5	Additional	n/a	M01603100013	Berm	Gravel Bags	—	X	X	—
M-SMA-12.6	Additional	n/a	M01701010013	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
M-SMA-12.6	Additional	n/a	M01702040014	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.6	Additional	n/a	M01703010010	Berm	Earthen Berm	—	X	X	—
M-SMA-12.6	Baseline	4/26/2011	M01703020005	Berm	Base Course Berm	—	X	X	—
M-SMA-12.6	Baseline	4/26/2011	M01703020006	Berm	Base Course Berm	—	X	X	—
M-SMA-12.6	Baseline	4/26/2011	M01703020007	Berm	Base Course Berm	—	X	X	—
M-SMA-12.6	Additional	n/a	M01703060015	Berm	Straw Wattle	—	X	—	X
M-SMA-12.6	Baseline	4/26/2011	M01706010008	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-12.7	Additional	n/a	M01802040012	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.7	Additional	n/a	M01803120017	Berm	Rock Berm	—	X	X	—
M-SMA-12.7	Additional	n/a	M01803140014	Berm	Coir Log	—	X	X	—
M-SMA-12.7	Additional	n/a	M01803140015	Berm	Coir Log	—	X	X	—
M-SMA-12.7	Additional	n/a	M01803140016	Berm	Coir Log	—	X	X	—
M-SMA-12.7	Additional	n/a	M01803160013	Berm	Wood Chip Wattle	—	X	X	—
M-SMA-12.7	Baseline	12/13/2010	M01806020009	Check Dam	Log Check Dam	—	X	—	X
M-SMA-12.8	Additional	n/a	M01902040010	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.8	Additional	n/a	M01903060009	Berm	Straw Wattle	—	X	—	X
M-SMA-12.8	Additional	n/a	M01903120012	Berm	Rock Berm	—	X	X	—
M-SMA-12.8	Additional	n/a	M01903160011	Berm	Wood Chip Wattle	—	X	X	—
M-SMA-12.8	Baseline	12/13/2010	M01906020006	Check Dam	Log Check Dam	—	X	—	X
M-SMA-12.9	Additional	n/a	M02002040012	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.9	Additional	n/a	M02003010008	Berm	Earthen Berm	—	X	X	—
M-SMA-12.9	Additional	n/a	M02003120019	Berm	Rock Berm	—	X	X	—
M-SMA-12.9	Additional	n/a	M02003140022	Berm	Coir Log	—	X	—	X
M-SMA-12.9	Additional	n/a	M02003160014	Berm	Wood Chip Wattle	—	X	X	—
M-SMA-12.9	Additional	n/a	M02006020013	Check Dam	Log Check Dam	X	—	—	X
M-SMA-12.92	Additional	n/a	M02102040005	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-12.92	Additional	n/a	M02104060006	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-12.92	Baseline	11/1/2010	M02105010001	Sediment Traps and Basins	Sediment Trap	—	X	—	X
M-SMA-12.92	Baseline	11/1/2010	M02105010003	Sediment Traps and Basins	Sediment Trap	—	X	—	X
M-SMA-12.92	Baseline	11/1/2010	M02105010004	Sediment Traps and Basins	Sediment Trap	—	X	X	—
M-SMA-12.92	Additional	n/a	M02107010007	Gabion	Gabion	—	X	X	—
M-SMA-13	Additional	n/a	M02202040014	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-13	Additional	n/a	M02203010013	Berm	Earthen Berm	—	X	X	—
M-SMA-13	Baseline	12/13/2010	M02206010008	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-13	Baseline	12/13/2010	M02206010009	Check Dam	Rock Check Dam	—	X	X	—



SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-13	Baseline	12/13/2010	M02206010010	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-13	Baseline	12/13/2010	M02206010011	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-13	Baseline	12/13/2010	M02206020001	Check Dam	Log Check Dam	—	X	—	X
M-SMA-13	Baseline	12/13/2010	M02206020003	Check Dam	Log Check Dam	—	X	—	X
M-SMA-13	Additional	n/a	M02206020015	Check Dam	Log Check Dam	—	X	—	X
M-SMA-3	Baseline	4/26/2011	M00304050005	Channel/Swale	Water Bar	X	—	X	—
M-SMA-3	Baseline	4/26/2011	M00304060001	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-3	Baseline	4/26/2011	M00304060008	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-3	Additional	n/a	M00304060014	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-3	Enhanced	10/15/2015	M00304060018	Channel/Swale	Rip Rap	—	X	—	X
M-SMA-3	Enhanced	10/15/2015	M00304080017	Channel/Swale	TRM-Lined Swale	—	X	—	X
M-SMA-3	Enhanced	10/15/2015	M00305020015	Sediment Traps and Basins	Sediment Basin	—	X	—	X
M-SMA-3	Enhanced	10/15/2015	M00305060016	Sediment Traps and Basins	Infiltration Basin	—	X	—	X
M-SMA-3.1	Additional	n/a	M00402040007	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-3.1	Baseline	12/13/2010	M00403040006	Berm	Asphalt Berm	—	X	X	—
M-SMA-3.1	Additional	n/a	M00403100008	Berm	Gravel Bags	—	X	X	—
M-SMA-3.1	Baseline	12/13/2010	M00404060005	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-3.5	Additional	n/a	M00502040018	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-3.5	Baseline	5/12/2011	M00503010015	Berm	Earthen Berm	—	X	—	X
M-SMA-3.5	Baseline	5/12/2011	M00503010016	Berm	Earthen Berm	—	X	—	X
M-SMA-3.5	Baseline	4/26/2011	M00503120009	Berm	Rock Berm	—	X	—	X
M-SMA-3.5	Baseline	4/26/2011	M00503120010	Berm	Rock Berm	—	X	—	X
M-SMA-3.5	Baseline	4/26/2011	M00503120013	Berm	Rock Berm	—	X	X	—
M-SMA-3.5	Baseline	4/26/2011	M00503120014	Berm	Rock Berm	—	X	X	—
M-SMA-3.5	Baseline	4/26/2011	M00504060011	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-3.5	Baseline	4/26/2011	M00504060012	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-3.5	Baseline	5/12/2011	M00504060017	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-3.5	Additional	n/a	M00504060019	Channel/Swale	Rip Rap	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-3.5	Baseline	4/26/2011	M00506010004	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-3.5	Baseline	4/26/2011	M00506010005	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-4	Additional	n/a	M00602040014	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-4	Additional	n/a	M00603120015	Berm	Rock Berm	—	X	—	X
M-SMA-4	Baseline	11/1/2010	M00604060002	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-4	Baseline	11/1/2010	M00604060007	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-4	Baseline	11/1/2010	M00604060012	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-4	Baseline	11/1/2010	M00606010005	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-4	Additional	n/a	M00606010013	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-4	Additional	n/a	M00606010016	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-4	Additional	n/a	M00606010017	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-4	Additional	n/a	M00606010018	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-4	Baseline	11/1/2010	M00607010006	Gabion	Gabions	X	—	X	—
M-SMA-5	Additional	n/a	M00702040016	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-5	Baseline	4/28/2011	M00703060015	Berm	Straw Wattle	—	X	X	—
M-SMA-5	Baseline	4/28/2011	M00704020012	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
M-SMA-5	Baseline	4/28/2011	M00704060001	Channel/Swale	Rip Rap	X	—	—	X
M-SMA-5	Baseline	4/28/2011	M00704060008	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-5	Baseline	4/28/2011	M00706010002	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-5	Baseline	4/28/2011	M00706010007	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-6	Additional	n/a	M00802040024	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-6	Additional	n/a	M00803010033	Berm	Earthen Berm	—	X	X	—
M-SMA-6	Additional	n/a	M00803060034	Berm	Straw Wattle	X	—	X	—
M-SMA-6	Additional	n/a	M00803060035	Berm	Straw Wattle	X	—	X	—
M-SMA-6	Additional	n/a	M00803060036	Berm	Straw Wattle	X	—	X	—
M-SMA-6	Additional	n/a	M00803120031	Berm	Rock Berm	—	X	X	—
M-SMA-6	Additional	n/a	M00804050048	Channel/Swale	Water Bar	X	—	—	—
M-SMA-6	Baseline	12/13/2010	M00804060001	Channel/Swale	Rip Rap	X	—	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-6	Baseline	12/13/2010	M00804060014	Channel/Swale	Rip Rap	X	—	—	—
M-SMA-6	Additional	n/a	M00804060025	Channel/Swale	Rip Rap	X	—	X	—
M-SMA-6	Baseline	12/13/2010	M00805020016	Sediment Traps and Basins	Sediment Basin	—	X	X	—
M-SMA-6	Baseline	12/13/2010	M00806010007	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-6	Additional	n/a	M00806010017	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-6	Additional	n/a	M00806010020	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-6	Additional	n/a	M00806010027	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-6	Additional	n/a	M00806010028	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-6	Additional	n/a	M00806010032	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-6	Additional	n/a	M00806010042	Check Dam	Rock Check Dam	—	X	X	—
M-SMA-6	Additional	n/a	M00806010044	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-6	Baseline	12/13/2010	M00807020013	Gabion	Gabion Blanket	X	—	X	—
M-SMA-6	Baseline	12/13/2010	M00808030002	Cap	Concrete/Asphalt Cap	X	—	X	—
M-SMA-7	Additional	n/a	M00902040009	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-7	Additional	n/a	M00903140012	Berm	Coir Log	—	X	X	—
M-SMA-7	Baseline	12/13/2010	M00906010003	Check Dam	Rock Check Dam	—	X	—	X
M-SMA-7.9	Additional	n/a	M01002040013	Permanent Vegetation	Established Vegetation	X	—	—	X
M-SMA-7.9	Baseline	12/3/2010	M01003010004	Berm	Earthen Berm	—	X	X	—
M-SMA-7.9	Baseline	12/3/2010	M01003010010	Berm	Earthen Berm	—	X	X	—
M-SMA-7.9	Baseline	12/3/2010	M01003010011	Berm	Earthen Berm	—	X	X	—
M-SMA-7.9	Additional	n/a	M01003010012	Berm	Earthen Berm	—	X	—	X
M-SMA-7.9	Additional	n/a	M01003060014	Berm	Straw Wattle	—	X	X	—
M-SMA-7.9	Additional	n/a	M01003060015	Berm	Straw Wattle	—	X	X	—
M-SMA-7.9	Baseline	12/3/2010	M01003120005	Berm	Rock Berm	—	X	X	—
M-SMA-7.9	Baseline	12/3/2010	M01003120006	Berm	Rock Berm	—	X	X	—
M-SMA-7.9	Additional	n/a	M01003120016	Berm	Rock Berm	—	X	X	—
M-SMA-9.1	Baseline	1/12/2011	M01101020001	Seed and Mulch	Seed and Gravel Mulch	X	—	X	—
M-SMA-9.1	Additional	n/a	M01102040007	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
M-SMA-9.1	Additional	n/a	M01103120008	Berm	Rock Berm	—	X	X	—
M-SMA-9.1	Baseline	1/12/2011	M01106010005	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-1.05	Additional	n/a	J00102040019	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-1.05	Additional	n/a	J00103010018	Berm	Earthen Berm	—	X	—	X
PJ-SMA-1.05	Enhanced	9/4/2015	J00103010020	Berm	Earthen Berm	—	X	—	X
PJ-SMA-1.05	Enhanced	9/4/2015	J00103010021	Berm	Earthen Berm	—	X	—	X
PJ-SMA-1.05	Enhanced	9/4/2015	J00103010022	Berm	Earthen Berm	—	X	—	X
PJ-SMA-1.05	Baseline	11/1/2010	J00104050008	Channel/Swale	Water Bar	X	—	—	X
PJ-SMA-1.05	Additional	n/a	J00104050012	Channel/Swale	Water Bar	X	—	X	—
PJ-SMA-1.05	Additional	n/a	J00104050013	Channel/Swale	Water Bar	X	—	X	—
PJ-SMA-1.05	Additional	n/a	J00104050014	Channel/Swale	Water Bar	X	—	X	—
PJ-SMA-10	Baseline	12/13/2010	J01203020001	Berm	Base Course Berm	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01203140018	Berm	Coir Log	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01203140019	Berm	Coir Log	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01203140028	Berm	Coir Log	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01203140029	Berm	Coir Log	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01204030030	Channel/Swale	Rock Channel/Swale	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01204050016	Channel/Swale	Water Bar	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01206010011	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01206010012	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01206010013	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01206010014	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01206010015	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01206010017	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-10	Enhanced	10/28/2015	J01206010021	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01206010022	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01206010023	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01206010024	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PJ-SMA-10	Enhanced	10/28/2015	J01206010025	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01206010026	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-10	Enhanced	10/28/2015	J01206010031	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-11	Additional	n/a	J01301010020	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
PJ-SMA-11	Additional	n/a	J01301010028	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
PJ-SMA-11	Additional	n/a	J01302040018	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-11	Enhanced	8/10/2015	J01303010024	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11	Enhanced	8/10/2015	J01303010025	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11	Enhanced	8/10/2015	J01303010026	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11	Enhanced	8/10/2015	J01303010027	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11	Additional	n/a	J01303140029	Berm	Coir Log	—	X	X	—
PJ-SMA-11.1	Additional	n/a	J01401010025	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
PJ-SMA-11.1	Additional	n/a	J01402040015	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-11.1	Enhanced	8/10/2015	J01403010020	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11.1	Enhanced	8/10/2015	J01403010021	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11.1	Enhanced	8/10/2015	J01403010022	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11.1	Enhanced	8/10/2015	J01403010023	Berm	Earthen Berm	—	X	—	X
PJ-SMA-11.1	Additional	n/a	J01403060027	Berm	Straw Wattle	—	X	—	X
PJ-SMA-11.1	Baseline	12/13/2010	J01406010007	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-11.1	Baseline	12/13/2010	J01406010008	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-11.1	Baseline	12/13/2010	J01406010009	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-13	Additional	n/a	J01502040005	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-13	Baseline	3/29/2011	J01503010003	Berm	Earthen Berm	—	X	—	X
PJ-SMA-13.7	Additional	n/a	J01602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-13.7	Enhanced	7/8/2013	J01605020008	Sediment Traps and Basins	Sediment Basin	—	X	—	X
PJ-SMA-13.7	Enhanced	7/8/2013	J01605020009	Sediment Traps and Basins	Sediment Basin	—	X	—	X
PJ-SMA-13.7	Baseline	12/13/2010	J01606010007	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-13.7	Baseline	12/13/2010	J01607010002	Gabion	Gabions	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PJ-SMA-13.7	Enhanced	7/8/2013	J01608030010	Cap	Concrete/Asphalt Cap	—	—	—	X
PJ-SMA-14	Baseline	3/29/2011	J01701010004	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
PJ-SMA-14	Additional	n/a	J01703010005	Berm	Earthen Berm	—	X	—	X
PJ-SMA-14	Additional	n/a	J01703010006	Berm	Earthen Berm	—	X	—	X
PJ-SMA-14	Baseline	3/29/2011	J01703020002	Berm	Base Course Berm	—	X	X	—
PJ-SMA-14	Baseline	3/29/2011	J01703020003	Berm	Base Course Berm	—	X	—	X
PJ-SMA-14	Baseline	3/29/2011	J01708010001	Cap	Earth Cap	X	—	—	—
PJ-SMA-14.2	Additional	n/a	J01802040005	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14.2	Additional	n/a	J01803060006	Berm	Straw Wattle	—	X	X	—
PJ-SMA-14.2	Baseline	11/1/2010	J01803120004	Berm	Rock Berm	—	X	—	X
PJ-SMA-14.3	Additional	n/a	J01902040003	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14.3	Additional	n/a	J01903060006	Berm	Straw Wattle	—	X	—	X
PJ-SMA-14.4	Additional	n/a	J02002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14.4	Additional	n/a	J02003010013	Berm	Earthen Berm	—	X	X	—
PJ-SMA-14.4	Additional	n/a	J02003140012	Berm	Coir Log	X	—	X	—
PJ-SMA-14.6	Additional	n/a	J02102040008	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14.6	Additional	n/a	J02103010005	Berm	Earthen Berm	—	X	—	X
PJ-SMA-14.6	Additional	n/a	J02104060007	Channel/Swale	Rip Rap	X	—	X	—
PJ-SMA-14.8	Additional	n/a	J02202040007	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-14.8	Additional	n/a	J02203060008	Berm	Straw Wattle	—	X	—	X
PJ-SMA-16	Additional	n/a	J02302040004	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-16	Additional	n/a	J02303060003	Berm	Straw Wattle	—	X	—	X
PJ-SMA-17	Additional	n/a	J02402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-17	Baseline	11/16/2010	J02404060006	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-17	Baseline	11/16/2010	J02404060007	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-17	Baseline	11/16/2010	J02405010005	Sediment Traps and Basins	Sediment Trap	—	X	—	X
PJ-SMA-17	Baseline	11/16/2010	J02406010004	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-18	Additional	n/a	J02602040010	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PJ-SMA-18	Additional	n/a	J02604010009	Channel/Swale	Earthen Channel/Swale	X	—	X	—
PJ-SMA-18	Additional	n/a	J02604010011	Channel/Swale	Earthen Channel/Swale	X	—	—	X
PJ-SMA-18	Baseline	11/16/2010	J02604060007	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-18	Additional	n/a	J02604060012	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-18	Baseline	11/16/2010	J02605010005	Sediment Traps and Basins	Sediment Trap	—	X	—	X
PJ-SMA-18	Baseline	11/16/2010	J02606010004	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-19	Additional	n/a	J02502040011	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-19	Baseline	11/16/2010	J02504020004	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
PJ-SMA-19	Baseline	11/16/2010	J02504020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
PJ-SMA-19	Baseline	11/16/2010	J02504060010	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-19	Baseline	11/16/2010	J02505020002	Sediment Traps and Basins	Sediment Basin	—	X	—	X
PJ-SMA-19	Baseline	11/16/2010	J02506010005	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-19	Baseline	11/16/2010	J02506010008	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-19	Baseline	11/16/2010	J02506010009	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-19	Baseline	11/16/2010	J02507010001	Gabion	Gabions	—	X	—	X
PJ-SMA-2	Additional	n/a	J00202040022	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-2	Baseline	11/1/2010	J00203010006	Berm	Earthen Berm	—	X	X	—
PJ-SMA-2	Baseline	11/1/2010	J00203010007	Berm	Earthen Berm	—	X	X	—
PJ-SMA-2	Baseline	11/1/2010	J00203010008	Berm	Earthen Berm	—	X	X	—
PJ-SMA-2	Baseline	11/1/2010	J00203010009	Berm	Earthen Berm	—	X	X	—
PJ-SMA-2	Additional	n/a	J00203010015	Berm	Earthen Berm	—	X	X	—
PJ-SMA-2	Additional	n/a	J00204050026	Channel/Swale	Water Bar	X	—	X	—
PJ-SMA-2	Baseline	11/1/2010	J00206010014	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-2	Additional	n/a	J00206010019	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-2	Additional	n/a	J00206010020	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-2	Additional	n/a	J00206010021	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-2	Additional	n/a	J00206010024	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-2	Additional	n/a	J00206010025	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PJ-SMA-2	Additional	n/a	J00206010027	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-2	Additional	n/a	J00206010028	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-2	Additional	n/a	J00208030029	Cap	Concrete/Asphalt Cap	—	—	—	X
PJ-SMA-20	Additional	n/a	J02702040007	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-20	Baseline	11/16/2010	J02703090001	Berm	Curbing	—	X	—	X
PJ-SMA-20	Baseline	11/16/2010	J02704060006	Channel/Swale	Rip Rap	X	—	—	X
PJ-SMA-20	Baseline	11/16/2010	J02708030005	Cap	Concrete/Asphalt Cap	X	—	X	—
PJ-SMA-3.05	Additional	n/a	J00302040012	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-3.05	Enhanced	7/18/2012	J00303010010	Berm	Earthen Berm	—	X	X	—
PJ-SMA-3.05	Enhanced	7/18/2012	J00303010011	Berm	Earthen Berm	—	X	—	X
PJ-SMA-4.05	Additional	n/a	J00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-4.05	Additional	n/a	J00403010007	Berm	Earthen Berm	—	X	X	—
PJ-SMA-4.05	Baseline	11/1/2010	J00406010006	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-5	Additional	n/a	J00502040015	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-5	Enhanced	8/10/2015	J00503010025	Berm	Earthen Berm	—	X	—	X
PJ-SMA-5	Enhanced	8/10/2015	J00503030019	Berm	Log Berm	—	X	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00503120026	Berm	Rock Berm	—	X	—	X
PJ-SMA-5	Enhanced	8/10/2015	J00503120027	Berm	Rock Berm	—	X	—	X
PJ-SMA-5	Enhanced	8/10/2015	J00503120028	Berm	Rock Berm	—	X	—	X
PJ-SMA-5	Baseline	11/1/2010	J00504010003	Channel/Swale	Earthen Channel/Swale	X	—	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00504040016	Channel/Swale	Culvert	X	—	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00504060017	Channel/Swale	Rip Rap	X	—	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00504060020	Channel/Swale	Rip Rap	X	—	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00506010018	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00506010021	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-5	Enhanced	8/10/2015	J00506010022	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-5	Enhanced	8/10/2015	J00506010023	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-5	Enhanced	8/10/2015	J00506010024	Check Dam	Rock Check Dam	—	X	—	X



SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PJ-SMA-5	Baseline	11/1/2010	J00506030004	Check Dam	Juniper Bales	—	X	X	—
PJ-SMA-5.1	Additional	n/a	J00602040010	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-5.1	Enhanced	7/18/2012	J00603010009	Berm	Earthen Berm	—	X	—	X
PJ-SMA-5.1	Additional	n/a	J00603010011	Berm	Earthen Berm	—	X	X	—
PJ-SMA-5.1	Baseline	12/22/2010	J00604010004	Channel/Swale	Earthen Channel/Swale	X	—	X	—
PJ-SMA-5.1	Baseline	12/22/2010	J00606010007	Check Dam	Rock Check Dam	—	X	—	X
PJ-SMA-5.1	Additional	n/a	J00608030012	Cap	Concrete/Asphalt Cap	X	—	—	X
PJ-SMA-6	Additional	n/a	J00702040018	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-6	Additional	n/a	J00703010009	Berm	Earthen Berm	—	X	—	X
PJ-SMA-6	Additional	n/a	J00703010010	Berm	Earthen Berm	—	X	—	X
PJ-SMA-6	Additional	n/a	J00703010011	Berm	Earthen Berm	—	X	—	X
PJ-SMA-6	Additional	n/a	J00703120012	Berm	Rock Berm	—	X	X	—
PJ-SMA-6	Baseline	11/1/2010	J00706010002	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-6	Baseline	11/1/2010	J00706010004	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-7	Additional	n/a	J00802040006	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-7	Baseline	11/1/2010	J00803010004	Berm	Earthen Berm	—	X	—	X
PJ-SMA-7	Baseline	11/1/2010	J00804010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
PJ-SMA-7	Baseline	11/1/2010	J00804040003	Channel/Swale	Culvert	X	—	X	—
PJ-SMA-8	Additional	n/a	J00902040010	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-8	Baseline	11/1/2010	J00903010006	Berm	Earthen Berm	—	X	—	X
PJ-SMA-8	Baseline	11/1/2010	J00903010009	Berm	Earthen Berm	—	X	—	X
PJ-SMA-8	Baseline	11/1/2010	J00904020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
PJ-SMA-8	Baseline	11/1/2010	J00906010002	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-8	Baseline	11/1/2010	J00906010004	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-8	Additional	n/a	J00906010011	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-9	Additional	n/a	J01002040010	Permanent Vegetation	Established Vegetation	X	—	—	X
PJ-SMA-9	Enhanced	10/28/2015	J01003010016	Berm	Earthen Berm	—	X	X	—
PJ-SMA-9	Enhanced	10/28/2015	J01003010017	Berm	Earthen Berm	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PJ-SMA-9	Enhanced	10/28/2015	J01003010018	Berm	Earthen Berm	—	X	X	—
PJ-SMA-9	Enhanced	10/28/2015	J01003010019	Berm	Earthen Berm	—	X	—	X
PJ-SMA-9	Enhanced	10/28/2015	J01003140021	Berm	Coir Log	—	X	—	X
PJ-SMA-9	Baseline	11/1/2010	J01006010008	Check Dam	Rock Check Dam	—	X	X	—
PJ-SMA-9	Baseline	11/1/2010	J01006010009	Check Dam	Rock Check Dam	—	X	X	—
Pratt-SMA-1.05	Additional	n/a	T00102040020	Permanent Vegetation	Established Vegetation	X	—	—	X
Pratt-SMA-1.05	Enhanced	5/13/2014	T00103010022	Berm	Earthen Berm	—	X	—	X
Pratt-SMA-1.05	Enhanced	5/13/2014	T00103010023	Berm	Earthen Berm	—	X	—	X
Pratt-SMA-1.05	Additional	n/a	T00103010025	Berm	Earthen Berm	—	X	—	X
Pratt-SMA-1.05	Baseline	12/13/2010	T00103020013	Berm	Base Course Berm	—	X	X	—
Pratt-SMA-1.05	Baseline	12/13/2010	T00103020014	Berm	Base Course Berm	—	X	X	—
Pratt-SMA-1.05	Baseline	12/13/2010	T00103020015	Berm	Base Course Berm	—	X	X	—
Pratt-SMA-1.05	Baseline	12/13/2010	T00103020016	Berm	Base Course Berm	—	X	X	—
Pratt-SMA-1.05	Enhanced	5/13/2014	T00103020024	Berm	Base Course Berm	—	X	X	—
Pratt-SMA-1.05	Baseline	12/13/2010	T00103120008	Berm	Rock Berm	—	X	—	X
Pratt-SMA-1.05	Baseline	12/13/2010	T00108020005	Cap	Rock Cap	X	—	X	—
P-SMA-0.3	Additional	n/a	P00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-0.3	Additional	n/a	P00403010019	Berm	Earthen Berm	—	X	—	X
P-SMA-0.3	Additional	n/a	P00403010020	Berm	Earthen Berm	—	X	—	X
P-SMA-0.3	Additional	n/a	P00403140009	Berm	Coir Log	—	X	—	X
P-SMA-0.3	Additional	n/a	P00403140021	Berm	Coir Log	—	X	—	X
P-SMA-0.3	Additional	n/a	P00404050017	Channel/Swale	Water Bar	X	—	X	—
P-SMA-0.3	Additional	n/a	P00404050018	Channel/Swale	Water Bar	X	—	X	—
P-SMA-0.3	Additional	n/a	P00404060022	Channel/Swale	Rip Rap	X	—	—	—
P-SMA-0.3	Additional	n/a	P00406010012	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-0.3	Additional	n/a	P00406010013	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-0.3	Additional	n/a	P00406010014	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-1	Additional	n/a	P00501010053	Seed and Mulch	Seed and Wood Mulch	X	—	—	X

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P-SMA-1	Additional	n/a	P00502040040	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-1	Additional	n/a	P00503010050	Berm	Earthen Berm	—	X	—	X
P-SMA-1	Baseline	11/1/2010	P00503080003	Berm	Retaining Wall	—	X	—	X
P-SMA-1	Additional	n/a	P00503080058	Berm	Retaining Wall	X	—	—	X
P-SMA-1	Additional	n/a	P00503080059	Berm	Retaining Wall	X	—	—	X
P-SMA-1	Additional	n/a	P00503090066	Berm	Curbing	—	X	X	—
P-SMA-1	Additional	n/a	P00504030057	Channel/Swale	Rock Channel/Swale	X	—	—	X
P-SMA-1	Additional	n/a	P00504030065	Channel/Swale	Rock Channel/Swale	X	—	—	X
P-SMA-1	Additional	n/a	P00504060046	Channel/Swale	Rip Rap	X	—	—	X
P-SMA-1	Additional	n/a	P00504060052	Channel/Swale	Rip Rap	X	—	—	X
P-SMA-1	Additional	n/a	P00504080051	Channel/Swale	TRM-Lined Swale	X	—	—	X
P-SMA-1	Additional	n/a	P00506010060	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-1	Additional	n/a	P00506010061	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-1	Additional	n/a	P00506010062	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-1	Additional	n/a	P00506010063	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-1	Additional	n/a	P00508010064	Cap	Earth Cap	X	—	X	X
P-SMA-1	Additional	n/a	P00508030067	Cap	Concrete/Asphalt Cap	X	—	X	—
P-SMA-2	Additional	n/a	P00602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-2	Baseline	11/1/2010	P00603020009	Berm	Base Course Berm	—	X	X	—
P-SMA-2	Baseline	11/1/2010	P00603020010	Berm	Base Course Berm	—	X	X	—
P-SMA-2	Additional	n/a	P00603060012	Berm	Straw Wattle	—	X	—	X
P-SMA-2	Additional	n/a	P00603100013	Berm	Gravel Bags	—	X	X	—
P-SMA-2	Baseline	11/1/2010	P00603120008	Berm	Rock Berm	—	X	—	X
P-SMA-2	Baseline	11/1/2010	P00604010001	Channel/Swale	Earthen Channel/Swale	X	—	X	—
P-SMA-2	Baseline	11/1/2010	P00604020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
P-SMA-2	Baseline	11/1/2010	P00604060002	Channel/Swale	Rip Rap	X	—	X	—
P-SMA-2	Baseline	11/1/2010	P00604060003	Channel/Swale	Rip Rap	X	—	X	—
P-SMA-2.15	Additional	n/a	P00702040007	Permanent Vegetation	Established Vegetation	X	—	—	X

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P-SMA-2.15	Baseline	12/6/2010	P00704060003	Channel/Swale	Rip Rap	X	—	X	—
P-SMA-2.15	Baseline	12/6/2010	P00704060006	Channel/Swale	Rip Rap	X	—	—	X
P-SMA-2.15	Baseline	12/6/2010	P00706010004	Check Dam	Rock Check Dam	—	X	X	—
P-SMA-2.15	Baseline	12/6/2010	P00706010005	Check Dam	Rock Check Dam	—	X	—	X
P-SMA-2.2	Additional	n/a	P00802040025	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-2.2	Additional	n/a	P00803010027	Berm	Earthen Berm	—	X	X	—
P-SMA-2.2	Additional	n/a	P00803010028	Berm	Earthen Berm	—	X	—	X
P-SMA-2.2	Additional	n/a	P00803010029	Berm	Earthen Berm	—	X	—	X
P-SMA-2.2	Additional	n/a	P00803010030	Berm	Earthen Berm	—	X	—	X
P-SMA-2.2	Baseline	4/28/2011	P00803020012	Berm	Base Course Berm	—	X	X	—
P-SMA-2.2	Baseline	4/28/2011	P00804020005	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
P-SMA-2.2	Baseline	4/28/2011	P00804060001	Channel/Swale	Rip Rap	X	—	X	—
P-SMA-2.2	Baseline	4/28/2011	P00804080017	Channel/Swale	TRM-Lined Swale	X	—	X	—
P-SMA-2.2	Baseline	4/28/2011	P00806010019	Check Dam	Rock Check Dam	—	X	X	—
P-SMA-2.2	Baseline	4/28/2011	P00806010020	Check Dam	Rock Check Dam	—	X	X	—
P-SMA-2.2	Baseline	4/28/2011	P00806010021	Check Dam	Rock Check Dam	—	X	X	—
P-SMA-2.2	Baseline	4/28/2011	P00806010022	Check Dam	Rock Check Dam	—	X	X	—
P-SMA-3.05	Additional	n/a	P00902040012	Permanent Vegetation	Established Vegetation	X	—	—	X
P-SMA-3.05	Baseline	12/6/2010	P00903010008	Berm	Earthen Berm	—	X	—	X
P-SMA-3.05	Baseline	12/6/2010	P00903010009	Berm	Earthen Berm	—	X	—	X
P-SMA-3.05	Additional	n/a	P00903010010	Berm	Earthen Berm	—	X	—	X
P-SMA-3.05	Additional	n/a	P00903010013	Berm	Earthen Berm	—	X	X	—
P-SMA-3.05	Additional	n/a	P00903010015	Berm	Earthen Berm	—	X	X	—
P-SMA-3.05	Additional	n/a	P00903140014	Berm	Coir Log	—	X	X	—
P-SMA-3.05	Baseline	12/6/2010	P00904050005	Channel/Swale	Water Bar	X	—	X	—
P-SMA-3.05	Baseline	12/6/2010	P00904050006	Channel/Swale	Water Bar	X	—	X	—
PT-SMA-0.5	Additional	n/a	I00102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-0.5	Enhanced	11/27/2012	I00103010007	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PT-SMA-0.5	Enhanced	11/27/2012	I00103010008	Berm	Earthen Berm	—	X	X	—
PT-SMA-0.5	Additional	n/a	I00103060011	Berm	Straw Wattle	—	X	—	X
PT-SMA-0.5	Additional	n/a	I00103060013	Berm	Straw Wattle	—	X	—	X
PT-SMA-0.5	Additional	n/a	I00104030012	Channel/Swale	Rock Channel/Swale	X	—	X	—
PT-SMA-1	Baseline	3/29/2011	I00201010022	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
PT-SMA-1	Additional	n/a	I00202040034	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-1	Baseline	3/29/2011	I00203010018	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Baseline	3/29/2011	I00203010019	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Baseline	3/29/2011	I00203010020	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Baseline	3/29/2011	I00203010021	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010023	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010024	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010025	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010026	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010027	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010028	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010029	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00203010030	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Enhanced	10/15/2015	I00203010039	Berm	Earthen Berm	—	X	—	X
PT-SMA-1	Additional	n/a	I00203060035	Berm	Straw Wattle	—	X	—	X
PT-SMA-1	Additional	n/a	I00203060036	Berm	Straw Wattle	—	X	—	X
PT-SMA-1	Additional	n/a	I00203060037	Berm	Straw Wattle	—	X	—	X
PT-SMA-1	Baseline	3/29/2011	I00203120012	Berm	Rock Berm	—	X	X	—
PT-SMA-1	Baseline	3/29/2011	I00203120013	Berm	Rock Berm	—	X	X	—
PT-SMA-1	Enhanced	10/15/2015	I00203120038	Berm	Rock Berm	—	X	X	—
PT-SMA-1	Enhanced	10/15/2015	I00203140040	Berm	Coir Log	—	X	—	X
PT-SMA-1	Enhanced	10/15/2015	I00203140041	Berm	Coir Log	—	X	—	X
PT-SMA-1	Enhanced	8/3/2012	I00206010031	Check Dam	Rock Check Dam	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PT-SMA-1	Enhanced	8/3/2012	I00206010032	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Additional	n/a	I00302040017	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00303010018	Berm	Earthen Berm	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00305040019	Sediment Traps and Basins	Gravel Infiltration Strip	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00306010020	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00306010021	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00306010022	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00306010023	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00306010024	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Enhanced	6/27/2014	I00306010025	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-1.7	Additional	n/a	I00306010026	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Additional	n/a	I00402040011	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-2	Enhanced	9/28/2015	I00403010021	Berm	Earthen Berm	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00403010022	Berm	Earthen Berm	—	X	X	—
PT-SMA-2	Enhanced	9/28/2015	I00403010024	Berm	Earthen Berm	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00403060012	Berm	Straw Wattle	—	X	X	—
PT-SMA-2	Enhanced	9/28/2015	I00403060013	Berm	Straw Wattle	—	X	—	X
PT-SMA-2	Baseline	3/29/2011	I00403120010	Berm	Rock Berm	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00403120023	Berm	Rock Berm	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00404060020	Channel/Swale	Rip Rap	X	—	X	—
PT-SMA-2	Enhanced	9/28/2015	I00406010014	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00406010015	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00406010016	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00406010017	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00406010018	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00406010019	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2	Enhanced	9/28/2015	I00406010025	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-2.01	Additional	n/a	I004A02040005	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
PT-SMA-2.01	Enhanced	8/3/2012	I004A03010004	Berm	Earthen Berm	—	X	—	X
PT-SMA-3	Additional	n/a	I00502040009	Permanent Vegetation	Established Vegetation	X	—	—	X
PT-SMA-3	Enhanced	8/10/2015	I00503010030	Berm	Earthen Berm	X	—	X	—
PT-SMA-3	Additional	n/a	I00503060017	Berm	Straw Wattle	—	X	X	—
PT-SMA-3	Additional	n/a	I00503060018	Berm	Straw Wattle	—	X	X	—
PT-SMA-3	Additional	n/a	I00503120015	Berm	Rock Berm	—	X	X	—
PT-SMA-3	Additional	n/a	I00503140039	Berm	Coir Log	—	X	X	—
PT-SMA-3	Additional	n/a	I00504030016	Channel/Swale	Rock Channel/Swale	X	—	X	—
PT-SMA-3	Baseline	11/1/2010	I00504040005	Channel/Swale	Culvert	X	—	—	X
PT-SMA-3	Enhanced	8/10/2015	I00504060038	Channel/Swale	Rip Rap	—	X	—	X
PT-SMA-3	Enhanced	8/10/2015	I00505020037	Sediment Traps and Basins	Sediment Basin	—	X	—	X
PT-SMA-3	Additional	n/a	I00506010021	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Additional	n/a	I00506010022	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Additional	n/a	I00506010023	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Additional	n/a	I00506010024	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Additional	n/a	I00506010026	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Additional	n/a	I00506010027	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Enhanced	8/10/2015	I00506010031	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Enhanced	8/10/2015	I00506010032	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Enhanced	8/10/2015	I00506010033	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Enhanced	8/10/2015	I00506010034	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Enhanced	8/10/2015	I00506010035	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-3	Enhanced	8/10/2015	I00506010036	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-4.2	Additional	n/a	I00701010037	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00701010053	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00701010054	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00701010058	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00701020038	Seed and Mulch	Seed and Gravel Mulch	X	—	—	X

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PT-SMA-4.2	Enhanced	10/28/2015	I00701060021	Seed and Mulch	Erosion Control Blanket	X	—	—	—
PT-SMA-4.2	Additional	n/a	I00702040008	Permanent Vegetation	Established Vegetation	X	—	X	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010014	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010022	Berm	Earthen Berm	X	—	—	—
PT-SMA-4.2	Enhanced	10/28/2015	I00703010024	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010025	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010026	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010027	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010028	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703010029	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00703010035	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00703010044	Berm	Earthen Berm	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00703120007	Berm	Rock Berm	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00703120009	Berm	Rock Berm	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703140015	Berm	Coir Log	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703140016	Berm	Coir Log	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703140017	Berm	Coir Log	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703140018	Berm	Coir Log	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703140019	Berm	Coir Log	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00703140020	Berm	Coir Log	—	X	—	X
PT-SMA-4.2	Baseline	11/1/2010	I00704040005	Channel/Swale	Culvert	X	—	X	—
PT-SMA-4.2	Enhanced	10/28/2015	I00704050023	Channel/Swale	Water Bar	—	X	—	X
PT-SMA-4.2	Baseline	11/1/2010	I00704060002	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00704060034	Channel/Swale	Rip Rap	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00704060036	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060040	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060041	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060043	Channel/Swale	Rip Rap	X	—	—	X



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PT-SMA-4.2	Additional	n/a	I00704060045	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060046	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060048	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060055	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704060057	Channel/Swale	Rip Rap	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704080049	Channel/Swale	TRM-Lined Swale	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704080050	Channel/Swale	TRM-Lined Swale	X	—	—	X
PT-SMA-4.2	Additional	n/a	I00704080051	Channel/Swale	TRM-Lined Swale	X	—	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00706010010	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-4.2	Enhanced	10/28/2015	I00706010011	Check Dam	Rock Check Dam	—	X	X	—
PT-SMA-4.2	Enhanced	10/28/2015	I00706010012	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00706010013	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00706010031	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00706010032	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Enhanced	10/28/2015	I00706010033	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00706010039	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00706010042	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00706010047	Check Dam	Rock Check Dam	—	X	—	X
PT-SMA-4.2	Additional	n/a	I00707010052	Gabion	Gabion	X	—	—	X
R-SMA-0.5	Additional	n/a	R00102040025	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-0.5	Baseline	12/6/2010	R00103030006	Berm	Log Berm	—	X	—	X
R-SMA-1	Additional	n/a	R00201010011	Seed and Mulch	Seed and Wood Mulch	X	—	X	—
R-SMA-1	Additional	n/a	R00202040008	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-1	Baseline	4/26/2011	R00204060006	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Baseline	4/26/2011	R00204060007	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204060009	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204060010	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204060013	Channel/Swale	Rip Rap	X	—	X	—

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R-SMA-1	Additional	n/a	R00204060014	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204060016	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204060017	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204060018	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-1	Additional	n/a	R00204080012	Channel/Swale	TRM-Lined Swale	X	—	X	—
R-SMA-1	Baseline	4/26/2011	R00206010005	Check Dam	Rock Check Dam	—	X	—	X
R-SMA-1	Additional	n/a	R00206010015	Check Dam	Rock Check Dam	X	—	X	—
R-SMA-1	Baseline	4/26/2011	R00207010002	Gabion	Gabions	—	X	X	—
R-SMA-1.95	Additional	n/a	R00302040008	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303010021	Berm	Earthen Berm	—	X	—	X
R-SMA-1.95	Baseline	12/6/2010	R00303060005	Berm	Straw Wattle	—	X	—	X
R-SMA-1.95	Additional	n/a	R00303060023	Berm	Straw Wattle	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140009	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140010	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140011	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140012	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140013	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140014	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140015	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140016	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140017	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140018	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140019	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Enhanced	9/25/2014	R00303140020	Berm	Coir Log	—	X	—	X
R-SMA-1.95	Baseline	12/6/2010	R00304010003	Channel/Swale	Earthen Channel/Swale	X	—	X	—
R-SMA-2.05	Additional	n/a	R00402040005	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-2.05	Baseline	11/1/2010	R00406030002	Check Dam	Juniper Bales	—	X	—	X
R-SMA-2.05	Baseline	11/1/2010	R00406030003	Check Dam	Juniper Bales	—	X	—	X

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R-SMA-2.3	Additional	n/a	R00502040004	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-2.3	Additional	n/a	R00503060005	Berm	Straw Wattle	—	X	—	X
R-SMA-2.3	Additional	n/a	R00503060006	Berm	Straw Wattle	—	X	—	X
R-SMA-2.3	Additional	n/a	R00503060007	Berm	Straw Wattle	—	X	—	X
R-SMA-2.5	Additional	n/a	R00602040007	Permanent Vegetation	Established Vegetation	X	—	—	X
R-SMA-2.5	Baseline	12/6/2010	R00604060004	Channel/Swale	Rip Rap	X	—	X	—
R-SMA-2.5	Baseline	12/6/2010	R00606010003	Check Dam	Rock Check Dam	—	X	—	X
R-SMA-2.5	Baseline	12/6/2010	R00606010005	Check Dam	Rock Check Dam	—	X	X	—
R-SMA-2.5	Baseline	12/6/2010	R00606010006	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-0.25	Additional	n/a	S00102040011	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-0.25	Additional	n/a	S00103090017	Berm	Curbing	—	X	X	—
S-SMA-0.25	Additional	n/a	S00103100018	Berm	Gravel Bags	—	X	X	—
S-SMA-0.25	Additional	n/a	S00103100019	Berm	Gravel Bags	—	X	X	—
S-SMA-0.25	Enhanced	6/27/2014	S00104030014	Channel/Swale	Rock Channel/Swale	X	—	X	—
S-SMA-0.25	Baseline	11/1/2010	S00104060007	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-0.25	Enhanced	6/27/2014	S00105010013	Sediment Traps and Basins	Sediment Trap	—	X	X	—
S-SMA-0.25	Enhanced	6/27/2014	S00105050012	Sediment Traps and Basins	Bioretention Basin	—	X	X	—
S-SMA-0.25	Baseline	11/1/2010	S00107010008	Gabion	Gabions	—	X	—	X
S-SMA-0.25	Baseline	11/1/2010	S00107020003	Gabion	Gabion Blanket	X	—	—	X
S-SMA-1.1	Enhanced	11/27/2012	S00203010018	Berm	Earthen Berm	—	X	—	X
S-SMA-1.1	Additional	n/a	S00203060021	Berm	Straw Wattle	—	X	X	—
S-SMA-1.1	Enhanced	11/27/2012	S00203090017	Berm	Curbing	—	X	X	—
S-SMA-1.1	Enhanced	11/27/2012	S00204040016	Channel/Swale	Culvert	X	—	X	—
S-SMA-1.1	Enhanced	11/27/2012	S00204060014	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-1.1	Enhanced	11/27/2012	S00204060015	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-1.1	Enhanced	11/27/2012	S00204060019	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-1.1	Enhanced	11/27/2012	S00205020013	Sediment Traps and Basins	Sediment Basin	—	X	—	X
S-SMA-1.1	Baseline	4/28/2011	S00207010003	Gabion	Gabions	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
S-SMA-2	Enhanced	7/8/2013	S00301010015	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
S-SMA-2	Additional	n/a	S00302040022	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-2	Additional	n/a	S00303140026	Berm	Coir Log	—	X	—	X
S-SMA-2	Additional	n/a	S00304040024	Channel/Swale	Culvert	X	—	X	—
S-SMA-2	Baseline	11/1/2010	S00304060005	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2	Baseline	11/1/2010	S00304060009	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2	Additional	n/a	S00304060011	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2	Enhanced	7/8/2013	S00304060012	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2	Enhanced	7/8/2013	S00304060021	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2	Additional	n/a	S00304060025	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2	Additional	n/a	S00304080023	Channel/Swale	TRM-Lined Swale	X	—	X	—
S-SMA-2	Enhanced	7/8/2013	S00305040014	Sediment Traps and Basins	Gravel Infiltration Strip	—	X	X	—
S-SMA-2	Enhanced	7/8/2013	S00306010018	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-2	Enhanced	7/8/2013	S00306010019	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-2	Enhanced	7/8/2013	S00306010020	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-2.01	Additional	n/a	S003A01010018	Seed and Mulch	Seed and Wood Mulch	X	—	—	X
S-SMA-2.01	Additional	n/a	S003A01010021	Seed and Mulch	Seed and Wood Mulch	—	X	—	X
S-SMA-2.01	Additional	n/a	S003A02040009	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-2.01	Additional	n/a	S003A03010017	Berm	Earthen Berm	—	X	—	X
S-SMA-2.01	Additional	n/a	S003A03010020	Berm	Earthen Berm	—	X	—	X
S-SMA-2.01	Additional	n/a	S003A03140022	Berm	Coir Log	—	X	—	X
S-SMA-2.01	Additional	n/a	S003A03140023	Berm	Coir Log	—	X	—	X
S-SMA-2.01	Additional	n/a	S003A04040013	Channel/Swale	Culvert	X	—	—	X
S-SMA-2.01	Additional	n/a	S003A04040015	Channel/Swale	Culvert	X	—	—	X
S-SMA-2.01	Baseline	12/9/2010	S003A04060003	Channel/Swale	Rip Rap	X	—	—	X
S-SMA-2.01	Additional	n/a	S003A04060010	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2.01	Additional	n/a	S003A04060016	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-2.01	Additional	n/a	S003A05020011	Sediment Traps and Basins	Sediment Basin	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
S-SMA-2.01	Additional	n/a	S003A05020012	Sediment Traps and Basins	Sediment Basin	—	X	X	—
S-SMA-2.01	Additional	n/a	S003A05020014	Sediment Traps and Basins	Sediment Basin	—	X	X	—
S-SMA-2.01	Additional	n/a	S003A05060019	Sediment Traps and Basins	Infiltration Basin	—	X	—	X
S-SMA-2.8	Additional	n/a	S00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-2.8	Baseline	12/9/2010	S00403010005	Berm	Earthen Berm	—	X	—	X
S-SMA-2.8	Baseline	12/9/2010	S00403020004	Berm	Base Course Berm	—	X	X	—
S-SMA-2.8	Additional	n/a	S00403020010	Berm	Base Course Berm	—	X	X	—
S-SMA-2.8	Additional	n/a	S00403060009	Berm	Straw Wattle	—	X	—	X
S-SMA-2.8	Additional	n/a	S00408040007	Cap	Metal Cap	X	—	X	—
S-SMA-3.51	Additional	n/a	S00501010018	Seed and Mulch	Seed and Wood Mulch	X	—	X	—
S-SMA-3.51	Additional	n/a	S00502040013	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.51	Additional	n/a	S00503010016	Berm	Earthen Berm	—	X	—	X
S-SMA-3.51	Additional	n/a	S00503010017	Berm	Earthen Berm	—	X	X	—
S-SMA-3.51	Additional	n/a	S00503120019	Berm	Rock Berm	—	X	X	—
S-SMA-3.51	Additional	n/a	S00504040020	Channel/Swale	Culvert	X	—	X	—
S-SMA-3.51	Baseline	12/9/2010	S00506010007	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.51	Baseline	12/9/2010	S00506010009	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.51	Baseline	12/9/2010	S00506010010	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.51	Baseline	12/9/2010	S00506010012	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.51	Additional	n/a	S00506010015	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.52	Additional	n/a	S005A02040005	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.52	Additional	n/a	S005A03010009	Berm	Earthen Berm	—	X	—	X
S-SMA-3.52	Additional	n/a	S005A04080010	Channel/Swale	TRM-Lined Swale	X	—	—	X
S-SMA-3.53	Additional	n/a	S005B02040009	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.53	Baseline	12/9/2010	S005B03120005	Berm	Rock Berm	—	X	—	X
S-SMA-3.53	Enhanced	5/2/2013	S005B04040007	Channel/Swale	Culvert	X	—	X	—
S-SMA-3.53	Enhanced	5/2/2013	S005B04060006	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-3.53	Baseline	12/9/2010	S005B06010003	Check Dam	Rock Check Dam	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
S-SMA-3.53	Baseline	12/9/2010	S005B06010004	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.53	Enhanced	5/2/2013	S005B08030008	Cap	Concrete/Asphalt Cap	X	—	—	X
S-SMA-3.6	Additional	n/a	S00602040021	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.6	Enhanced	11/27/2012	S00603010019	Berm	Earthen Berm	—	X	X	—
S-SMA-3.6	Enhanced	11/27/2012	S00603010020	Berm	Earthen Berm	—	X	X	—
S-SMA-3.6	Additional	n/a	S00603060041	Berm	Straw Wattle	—	X	—	X
S-SMA-3.6	Additional	n/a	S00603100030	Berm	Gravel Bags	—	X	X	—
S-SMA-3.6	Additional	n/a	S00603110034	Berm	Eco-Block	—	X	X	—
S-SMA-3.6	Additional	n/a	S00603140042	Berm	Coir Log	—	X	—	X
S-SMA-3.6	Additional	n/a	S00604040035	Channel/Swale	Culvert	X	—	X	—
S-SMA-3.6	Additional	n/a	S00604040036	Channel/Swale	Culvert	X	—	—	X
S-SMA-3.6	Additional	n/a	S00604040043	Channel/Swale	Culvert	—	X	—	X
S-SMA-3.6	Baseline	11/1/2010	S00604060010	Channel/Swale	Rip Rap	X	—	—	X
S-SMA-3.6	Baseline	11/1/2010	S00604060011	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-3.6	Additional	n/a	S00604060028	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-3.6	Additional	n/a	S00604060029	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-3.6	Additional	n/a	S00604060037	Channel/Swale	Rip Rap	X	—	—	X
S-SMA-3.6	Additional	n/a	S00604060038	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-3.6	Baseline	11/1/2010	S00606010001	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Baseline	11/1/2010	S00606010012	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Baseline	11/1/2010	S00606010013	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Enhanced	11/27/2012	S00606010016	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.6	Enhanced	11/27/2012	S00606010017	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Enhanced	11/27/2012	S00606010018	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Additional	n/a	S00606010031	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-3.6	Additional	n/a	S00606010032	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Additional	n/a	S00606010033	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.6	Baseline	11/1/2010	S00607010007	Gabion	Gabions	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
S-SMA-3.6	Baseline	11/1/2010	S00607010008	Gabion	Gabions	—	X	X	—
S-SMA-3.6	Additional	n/a	S00607010026	Gabion	Gabions	X	—	X	—
S-SMA-3.6	Additional	n/a	S00607020024	Gabion	Gabion Blanket	X	—	X	—
S-SMA-3.6	Additional	n/a	S00607020025	Gabion	Gabion Blanket	X	—	X	—
S-SMA-3.7	Additional	n/a	S00702040006	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.7	Baseline	12/9/2010	S00703120004	Berm	Rock Berm	—	X	X	—
S-SMA-3.7	Baseline	12/9/2010	S00703120005	Berm	Rock Berm	—	X	—	X
S-SMA-3.7	Baseline	12/9/2010	S00704030003	Channel/Swale	Rock Channel/Swale	X	—	X	—
S-SMA-3.71	Additional	n/a	S00802040015	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.71	Additional	n/a	S00803010013	Berm	Earthen Berm	—	X	X	—
S-SMA-3.71	Additional	n/a	S00803010014	Berm	Earthen Berm	—	X	—	X
S-SMA-3.71	Baseline	12/9/2010	S00804020002	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	—	X
S-SMA-3.71	Baseline	12/9/2010	S00806010008	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.71	Baseline	12/9/2010	S00806010009	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.71	Baseline	12/9/2010	S00806010010	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.71	Baseline	12/9/2010	S00806010011	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.71	Baseline	12/9/2010	S00807010001	Gabion	Gabions	—	X	X	—
S-SMA-3.72	Additional	n/a	S00902040011	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.72	Additional	n/a	S00903010009	Berm	Earthen Berm	—	X	X	—
S-SMA-3.72	Additional	n/a	S00903010010	Berm	Earthen Berm	—	X	—	X
S-SMA-3.72	Baseline	12/9/2010	S00903120003	Berm	Rock Berm	—	X	X	—
S-SMA-3.72	Baseline	12/9/2010	S00906010005	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.72	Baseline	12/9/2010	S00906010006	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.72	Baseline	12/9/2010	S00906010007	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-3.95	Additional	n/a	S01002040007	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-3.95	Additional	n/a	S01003060006	Berm	Straw Wattle	—	X	—	X
S-SMA-3.95	Additional	n/a	S01004010009	Channel/Swale	Earthen Channel/Swale	—	X	X	—
S-SMA-4.1	Enhanced	9/25/2012	S01101010007	Seed and Mulch	Seed and Wood Mulch	X	—	—	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
S-SMA-4.1	Additional	n/a	S01103060012	Berm	Straw Wattle	—	X	—	X
S-SMA-4.1	Additional	n/a	S01103060013	Berm	Straw Wattle	—	X	—	X
S-SMA-4.1	Enhanced	9/25/2012	S01103090005	Berm	Curbing	—	X	X	—
S-SMA-4.1	Enhanced	9/25/2012	S01103120008	Berm	Rock Berm	—	X	—	X
S-SMA-4.1	Enhanced	9/25/2012	S01104020006	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
S-SMA-4.5	Additional	n/a	S01202040007	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-4.5	Baseline	4/26/2011	S01203010005	Berm	Earthen Berm	—	X	—	X
S-SMA-5	Additional	n/a	S01302040011	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-5	Additional	n/a	S01303030009	Berm	Log Berm	—	X	X	—
S-SMA-5	Additional	n/a	S01303060010	Berm	Straw Wattle	—	X	—	X
S-SMA-5	Baseline	4/26/2011	S01304060003	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-5.2	Additional	n/a	S01402040016	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-5.2	Additional	n/a	S01403120017	Berm	Rock Berm	—	X	—	X
S-SMA-5.2	Baseline	12/9/2010	S01404060011	Channel/Swale	Rip Rap	X	—	X	—
S-SMA-5.2	Baseline	12/9/2010	S01406010006	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-5.2	Baseline	12/9/2010	S01406010008	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-5.2	Baseline	12/9/2010	S01406010009	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-5.2	Baseline	12/9/2010	S01406010010	Check Dam	Rock Check Dam	—	X	X	—
S-SMA-5.2	Additional	n/a	S01406010018	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-5.2	Additional	n/a	S01406010019	Check Dam	Rock Check Dam	—	X	—	X
S-SMA-5.5	Additional	n/a	S01502040005	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-5.5	Baseline	4/26/2011	S01503010004	Berm	Earthen Berm	—	X	—	X
S-SMA-6	Additional	n/a	S01602040012	Permanent Vegetation	Established Vegetation	X	—	—	X
S-SMA-6	Baseline	4/28/2011	S01603010006	Berm	Earthen Berm	—	X	X	—
S-SMA-6	Additional	n/a	S01604060014	Channel/Swale	Rip Rap	—	X	X	—
S-SMA-6	Additional	n/a	S01606010013	Check Dam	Rock Check Dam	—	X	X	—
STRM-SMA-1.05	Additional	n/a	J02802040009	Permanent Vegetation	Established Vegetation	X	—	—	X
STRM-SMA-1.05	Baseline	11/1/2010	J02804060006	Channel/Swale	Rip Rap	X	—	—	X



SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
STRM-SMA-1.05	Baseline	11/1/2010	J02806010004	Check Dam	Rock Check Dam	—	X	X	—
STRM-SMA-1.05	Baseline	11/1/2010	J02806010005	Check Dam	Rock Check Dam	—	X	X	—
STRM-SMA-1.05	Additional	n/a	J02806010007	Check Dam	Rock Check Dam	—	X	X	—
STRM-SMA-1.05	Enhanced	5/2/2013	J02808030008	Cap	Concrete/Asphalt Cap	X	—	—	—
STRM-SMA-1.5	Additional	n/a	J02902040018	Permanent Vegetation	Established Vegetation	X	—	—	X
STRM-SMA-1.5	Additional	n/a	J02903010009	Berm	Earthen Berm	—	X	X	—
STRM-SMA-1.5	Additional	n/a	J02903010011	Berm	Earthen Berm	—	X	X	—
STRM-SMA-1.5	Enhanced	7/8/2013	J02903010013	Berm	Earthen Berm	—	X	X	—
STRM-SMA-1.5	Enhanced	7/8/2013	J02903010014	Berm	Earthen Berm	—	X	—	X
STRM-SMA-1.5	Enhanced	7/8/2013	J02903120015	Berm	Rock Berm	—	X	—	X
STRM-SMA-1.5	Enhanced	9/4/2015	J02904010019	Channel/Swale	Earthen Channel/Swale	X	—	X	—
STRM-SMA-1.5	Enhanced	7/8/2013	J02904060016	Channel/Swale	Rip Rap	X	—	—	X
STRM-SMA-1.5	Enhanced	9/4/2015	J02904060020	Channel/Swale	Rip Rap	X	—	X	—
STRM-SMA-1.5	Enhanced	7/8/2013	J02908030017	Cap	Concrete/Asphalt Cap	X	—	—	X
STRM-SMA-4.2	Additional	n/a	J03002040006	Permanent Vegetation	Established Vegetation	X	—	—	X
STRM-SMA-4.2	Enhanced	8/17/2012	J03003010004	Berm	Earthen Berm	—	X	—	X
STRM-SMA-4.2	Baseline	11/1/2010	J03004010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
STRM-SMA-5.05	Additional	n/a	J03102040013	Permanent Vegetation	Established Vegetation	X	—	—	X
STRM-SMA-5.05	Enhanced	6/27/2012	J03103010009	Berm	Earthen Berm	—	X	X	—
STRM-SMA-5.05	Additional	n/a	J03103010012	Berm	Earthen Berm	—	X	X	—
STRM-SMA-5.05	Additional	n/a	J03103010014	Berm	Earthen Berm	—	X	—	X
STRM-SMA-5.05	Baseline	11/1/2010	J03103020004	Berm	Base Course Berm	—	X	—	X
T-SMA-1	Enhanced	5/12/2014	T00203010013	Berm	Earthen Berm	—	X	X	—
T-SMA-1	Enhanced	5/12/2014	T00203010014	Berm	Earthen Berm	—	X	X	—
T-SMA-1	Enhanced	5/12/2014	T00203010015	Berm	Earthen Berm	—	X	—	X
T-SMA-1	Additional	n/a	T00203060020	Berm	Straw Wattle	—	X	—	X
T-SMA-1	Enhanced	5/12/2014	T00204020016	Channel/Swale	Concrete/Asphalt Channel/Swale	X	—	X	—
T-SMA-1	Enhanced	5/12/2014	T00204040017	Channel/Swale	Culvert	X	—	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
T-SMA-1	Enhanced	5/12/2014	T00204040018	Channel/Swale	Culvert	X	—	X	—
T-SMA-1	Additional	n/a	T00206010024	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-1	Additional	n/a	T00206010025	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-1	Additional	n/a	T00206010026	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-1	Additional	n/a	T00206010027	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-1	Baseline	12/13/2010	T00208010001	Cap	Earth Cap	X	—	X	—
T-SMA-1	Enhanced	5/12/2014	T00208010019	Cap	Earth Cap	X	—	X	—
T-SMA-2.5	Baseline	12/13/2010	T00304010002	Channel/Swale	Earthen Channel/Swale	X	—	X	—
T-SMA-2.5	Baseline	12/13/2010	T00306010003	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.5	Baseline	12/13/2010	T00306010004	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.5	Baseline	12/13/2010	T00306010005	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.5	Baseline	12/13/2010	T00308020001	Cap	Rock Cap	X	—	—	X
T-SMA-2.85	Additional	n/a	T00402040007	Permanent Vegetation	Established Vegetation	X	—	—	X
T-SMA-2.85	Baseline	12/13/2010	T00403090004	Berm	Curbing	—	X	X	—
T-SMA-2.85	Baseline	12/13/2010	T00406010005	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.85	Baseline	12/13/2010	T00406010006	Check Dam	Rock Check Dam	X	—	X	—
T-SMA-2.85	Additional	n/a	T00406010008	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.85	Additional	n/a	T00406010009	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.85	Additional	n/a	T00406010010	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-2.85	Additional	n/a	T00406010011	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-3	Additional	n/a	T00502040012	Permanent Vegetation	Established Vegetation	X	—	—	X
T-SMA-3	Baseline	12/13/2010	T00504060001	Channel/Swale	Rip Rap	X	—	X	—
T-SMA-3	Additional	n/a	T00506020010	Check Dam	Log Check Dam	—	X	—	X
T-SMA-3	Additional	n/a	T00506020011	Check Dam	Log Check Dam	—	X	—	X
T-SMA-3	Additional	n/a	T00506020014	Check Dam	Log Check Dam	—	X	—	X
T-SMA-4	Additional	n/a	T00602040011	Permanent Vegetation	Established Vegetation	X	—	—	X
T-SMA-4	Enhanced	10/15/2015	T00603010019	Berm	Earthen Berm	—	X	X	—
T-SMA-4	Enhanced	10/15/2015	T00603090012	Berm	Curbing	—	—	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
T-SMA-4	Enhanced	10/15/2015	T00603110013	Berm	Eco-Block	—	X	X	—
T-SMA-4	Enhanced	10/15/2015	T00603120015	Berm	Rock Berm	—	X	X	—
T-SMA-4	Enhanced	10/15/2015	T00603120016	Berm	Rock Berm	—	X	X	—
T-SMA-4	Enhanced	10/15/2015	T00603120017	Berm	Rock Berm	—	X	X	—
T-SMA-4	Enhanced	10/15/2015	T00603120018	Berm	Rock Berm	—	X	X	—
T-SMA-4	Enhanced	10/15/2015	T00604060014	Channel/Swale	Rip Rap	X	—	X	—
T-SMA-4	Enhanced	10/15/2015	T00604060022	Channel/Swale	Rip Rap	X	—	—	X
T-SMA-4	Baseline	12/13/2010	T00606010007	Check Dam	Rock Check Dam	—	X	X	—
T-SMA-4	Baseline	12/13/2010	T00606010008	Check Dam	Rock Check Dam	—	X	X	—
T-SMA-5	Additional	n/a	T00702040012	Permanent Vegetation	Established Vegetation	X	—	—	X
T-SMA-5	Baseline	12/13/2010	T00703010008	Berm	Earthen Berm	—	X	X	—
T-SMA-5	Additional	n/a	T00705020015	Sediment Traps and Basins	Sediment Basin	—	X	X	—
T-SMA-5	Baseline	12/13/2010	T00706010002	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-5	Baseline	12/13/2010	T00706010004	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-5	Baseline	12/13/2010	T00706010009	Check Dam	Rock Check Dam	—	X	X	—
T-SMA-5	Baseline	12/13/2010	T00706010011	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-5	Additional	n/a	T00706010014	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-6.8	Additional	n/a	T00802040008	Permanent Vegetation	Established Vegetation	X	—	—	—
T-SMA-6.8	Baseline	12/13/2010	T00803100003	Berm	Gravel Bags	—	X	—	X
T-SMA-6.8	Additional	n/a	T00803140009	Berm	Coir Log	—	X	X	—
T-SMA-7	Additional	n/a	T00902040011	Permanent Vegetation	Established Vegetation	X	—	—	X
T-SMA-7	Additional	n/a	T00903010009	Berm	Earthen Berm	—	X	X	—
T-SMA-7	Baseline	12/13/2010	T00903020008	Berm	Base Course Berm	—	X	X	—
T-SMA-7	Baseline	12/13/2010	T00906010002	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-7	Baseline	12/13/2010	T00906010003	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-7	Baseline	12/13/2010	T00906010006	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-7	Baseline	12/13/2010	T00906010007	Check Dam	Rock Check Dam	—	X	—	X
T-SMA-7.1	Additional	n/a	T01002040009	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
T-SMA-7.1	Additional	n/a	T01003010007	Berm	Earthen Berm	—	X	—	X
T-SMA-7.1	Additional	n/a	T01003010008	Berm	Earthen Berm	—	X	—	X
T-SMA-7.1	Baseline	12/13/2010	T01003020005	Berm	Base Course Berm	—	X	X	—
T-SMA-7.1	Baseline	12/13/2010	T01006020006	Check Dam	Log Check Dam	—	X	—	X
W-SMA-1	Additional	n/a	W00102040019	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-1	Enhanced	5/2/2013	W00103010014	Berm	Earthen Berm	—	X	X	—
W-SMA-1	Enhanced	5/2/2013	W00103010015	Berm	Earthen Berm	—	X	X	—
W-SMA-1	Baseline	11/1/2010	W00104060011	Channel/Swale	Rip Rap	X	—	X	—
W-SMA-1	Enhanced	5/2/2013	W00104060017	Channel/Swale	Rip Rap	X	—	—	X
W-SMA-1	Enhanced	5/2/2013	W00105030016	Sediment Traps and Basins	Sand Filter	—	X	—	X
W-SMA-1	Baseline	11/1/2010	W00106010008	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-1	Enhanced	5/2/2013	W00106010012	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-1	Enhanced	5/2/2013	W00106010013	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-1	Enhanced	5/2/2013	W00108020018	Cap	Rock Cap	X	—	—	—
W-SMA-1.5	Additional	n/a	W00202040017	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-1.5	Enhanced	9/25/2012	W00203010015	Berm	Earthen Berm	—	X	—	X
W-SMA-1.5	Enhanced	9/4/2015	W00203010020	Berm	Earthen Berm	—	X	—	X
W-SMA-1.5	Additional	n/a	W00203160022	Berm	Wood Chip Wattle	—	X	X	—
W-SMA-1.5	Baseline	12/22/2010	W00204060007	Channel/Swale	Rip Rap	X	—	—	X
W-SMA-1.5	Baseline	12/22/2010	W00204070002	Channel/Swale	Vegetated Swale	X	—	—	X
W-SMA-1.5	Baseline	12/22/2010	W00204070003	Channel/Swale	Vegetated Swale	X	—	—	X
W-SMA-1.5	Enhanced	9/25/2012	W00205020013	Sediment Traps and Basins	Sediment Basin	—	X	—	X
W-SMA-1.5	Enhanced	9/4/2015	W00205020021	Sediment Traps and Basins	Sediment Basin	—	X	—	X
W-SMA-1.5	Baseline	12/22/2010	W00206010008	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-1.5	Baseline	12/22/2010	W00206010009	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-1.5	Baseline	12/22/2010	W00206010010	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-1.5	Enhanced	9/25/2012	W00206010016	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-10	Additional	n/a	W01802040025	Permanent Vegetation	Established Vegetation	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
W-SMA-10	Enhanced	8/23/2012	W01803010022	Berm	Earthen Berm	—	X	—	X
W-SMA-10	Enhanced	8/23/2012	W01803010023	Berm	Earthen Berm	—	X	—	X
W-SMA-10	Enhanced	8/23/2012	W01803010024	Berm	Earthen Berm	—	X	—	X
W-SMA-10	Baseline	12/22/2010	W01803040010	Berm	Asphalt Berm	—	X	X	—
W-SMA-10	Baseline	12/22/2010	W01803040016	Berm	Asphalt Berm	—	X	X	—
W-SMA-10	Additional	n/a	W01803060028	Berm	Straw Wattle	—	X	—	X
W-SMA-10	Additional	n/a	W01803060030	Berm	Straw Wattle	—	X	—	X
W-SMA-10	Baseline	12/22/2010	W01803090002	Berm	Curbing	—	X	X	—
W-SMA-10	Additional	n/a	W01803100026	Berm	Gravel Bags	—	X	X	—
W-SMA-10	Additional	n/a	W01803100027	Berm	Gravel Bags	—	X	X	—
W-SMA-10	Additional	n/a	W01803140031	Berm	Coir Log	X	—	X	—
W-SMA-10	Baseline	12/22/2010	W01804060004	Channel/Swale	Rip Rap	X	—	—	—
W-SMA-10	Baseline	12/22/2010	W01804060013	Channel/Swale	Rip Rap	X	—	X	—
W-SMA-11.7	Additional	n/a	W01902040052	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-11.7	Additional	n/a	W01903010040	Berm	Earthen Berm	—	X	X	—
W-SMA-11.7	Enhanced	10/23/2012	W01903010041	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010042	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010043	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010044	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010045	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010046	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010047	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010048	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010049	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01903010050	Berm	Earthen Berm	—	X	—	X
W-SMA-11.7	Enhanced	10/23/2012	W01904010051	Channel/Swale	Earthen Channel/Swale	X	—	X	—
W-SMA-12.05	Additional	n/a	W02002040018	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-12.05	Additional	n/a	W02003010015	Berm	Earthen Berm	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
W-SMA-12.05	Additional	n/a	W02003010016	Berm	Earthen Berm	—	X	—	X
W-SMA-12.05	Additional	n/a	W02003010017	Berm	Earthen Berm	—	X	—	X
W-SMA-12.05	Baseline	12/22/2010	W02004060002	Channel/Swale	Rip Rap	X	—	X	—
W-SMA-12.05	Baseline	12/22/2010	W02006010001	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-14.1	Additional	n/a	W02102040021	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-14.1	Enhanced	9/25/2012	W02103010016	Berm	Earthen Berm	—	X	—	X
W-SMA-14.1	Enhanced	9/25/2012	W02103010017	Berm	Earthen Berm	—	X	—	X
W-SMA-14.1	Enhanced	9/25/2012	W02103010018	Berm	Earthen Berm	—	X	—	X
W-SMA-14.1	Enhanced	9/25/2012	W02103010019	Berm	Earthen Berm	—	X	—	X
W-SMA-14.1	Enhanced	9/25/2012	W02103010020	Berm	Earthen Berm	—	X	X	—
W-SMA-14.1	Baseline	3/29/2011	W02104060014	Channel/Swale	Rip Rap	X	—	X	—
W-SMA-14.1	Baseline	3/29/2011	W02106010008	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-14.1	Baseline	3/29/2011	W02106010009	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-14.1	Baseline	3/29/2011	W02106010011	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-14.1	Baseline	3/29/2011	W02106010012	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-15.1	Additional	n/a	W02202040006	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-15.1	Enhanced	10/23/2012	W02203010004	Berm	Earthen Berm	—	X	X	—
W-SMA-15.1	Enhanced	10/23/2012	W02203010005	Berm	Earthen Berm	—	X	—	X
W-SMA-2.05	Additional	n/a	W00302040010	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-2.05	Enhanced	9/25/2012	W00303010007	Berm	Earthen Berm	—	X	—	X
W-SMA-2.05	Enhanced	9/25/2012	W00303010008	Berm	Earthen Berm	—	X	—	X
W-SMA-2.05	Enhanced	9/25/2012	W00306010009	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-3.5	Additional	n/a	W00402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-3.5	Additional	n/a	W00403060009	Berm	Straw Wattle	—	X	X	—
W-SMA-3.5	Additional	n/a	W00403060012	Berm	Straw Wattle	—	X	X	—
W-SMA-3.5	Additional	n/a	W00403060013	Berm	Straw Wattle	—	X	X	—
W-SMA-3.5	Additional	n/a	W00403060014	Berm	Straw Wattle	—	X	X	—
W-SMA-3.5	Baseline	12/22/2010	W00404060003	Channel/Swale	Rip Rap	X	—	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
W-SMA-3.5	Baseline	12/22/2010	W00406010007	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-4.1	Additional	n/a	W00502040006	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-4.1	Additional	n/a	W00503060008	Berm	Straw Wattle	—	X	X	—
W-SMA-4.1	Additional	n/a	W00503060009	Berm	Straw Wattle	—	X	—	X
W-SMA-4.1	Additional	n/a	W00503140010	Berm	Coir Log	—	X	—	X
W-SMA-5	Additional	n/a	W00602040029	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-5	Baseline	12/22/2010	W00604040011	Channel/Swale	Culvert	X	—	X	—
W-SMA-5	Additional	n/a	W00604050033	Channel/Swale	Water Bar	X	—	X	—
W-SMA-5	Baseline	12/22/2010	W00604060006	Channel/Swale	Rip Rap	X	—	X	—
W-SMA-5	Baseline	12/22/2010	W00606010003	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Baseline	12/22/2010	W00606010012	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Baseline	12/22/2010	W00606010013	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Baseline	12/22/2010	W00606010014	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Baseline	12/22/2010	W00606010015	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Baseline	12/22/2010	W00606010017	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Additional	n/a	W00606010021	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Additional	n/a	W00606010022	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Additional	n/a	W00606010023	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Additional	n/a	W00606010024	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Additional	n/a	W00606010025	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-5	Additional	n/a	W00606010026	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-5	Additional	n/a	W00606010027	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-5	Additional	n/a	W00606010028	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-5	Additional	n/a	W00606010031	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-5	Additional	n/a	W00606010032	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-6	Additional	n/a	W00701010007	Seed and Mulch	Seed and Wood Mulch	X	—	—	—
W-SMA-6	Additional	n/a	W00702040004	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-6	Additional	n/a	W00703060005	Berm	Straw Wattle	—	X	—	X

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W-SMA-6	Additional	n/a	W00703060006	Berm	Straw Wattle	—	X	—	X
W-SMA-7	Enhanced	9/28/2015	W00801030048	Seed and Mulch	Hydromulch	X	—	—	—
W-SMA-7	Additional	n/a	W00802040014	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-7	Enhanced	9/28/2015	W00803010049	Berm	Earthen Berm	—	X	—	X
W-SMA-7	Baseline	12/22/2010	W00803060010	Berm	Straw Wattle	—	X	X	—
W-SMA-7	Additional	n/a	W00803060017	Berm	Straw Wattle	—	X	—	X
W-SMA-7	Additional	n/a	W00803060018	Berm	Straw Wattle	—	X	—	X
W-SMA-7	Additional	n/a	W00803060019	Berm	Straw Wattle	—	X	—	X
W-SMA-7	Additional	n/a	W00803060024	Berm	Straw Wattle	—	X	—	X
W-SMA-7	Additional	n/a	W00803060025	Berm	Straw Wattle	—	X	—	X
W-SMA-7	Enhanced	9/28/2015	W00803140035	Berm	Coir Log	—	X	—	X
W-SMA-7	Enhanced	9/28/2015	W00803140036	Berm	Coir Log	—	X	—	X
W-SMA-7	Enhanced	9/28/2015	W00803140037	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140038	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140041	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140042	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140043	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140044	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140045	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140046	Berm	Coir Log	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00803140047	Berm	Coir Log	—	X	X	—
W-SMA-7	Baseline	12/22/2010	W00806010001	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7	Baseline	12/22/2010	W00806010003	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7	Baseline	12/22/2010	W00806010004	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7	Additional	n/a	W00806010015	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7	Additional	n/a	W00806010016	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7	Enhanced	9/28/2015	W00806010026	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00806010027	Check Dam	Rock Check Dam	—	X	X	—



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W-SMA-7	Enhanced	9/28/2015	W00806010028	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00806010029	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7	Enhanced	9/28/2015	W00806010030	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00806010031	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00806010032	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00806010033	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Enhanced	9/28/2015	W00806010034	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7	Additional	n/a	W00808040023	Cap	Metal Cap	—	—	X	—
W-SMA-7.8	Additional	n/a	W00902040009	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-7.8	Baseline	12/22/2010	W00903010004	Berm	Earthen Berm	—	X	X	—
W-SMA-7.8	Additional	n/a	W00903100010	Berm	Gravel Bags	—	X	—	X
W-SMA-7.8	Baseline	12/22/2010	W00906010001	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7.8	Baseline	12/22/2010	W00906010005	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7.8	Baseline	12/22/2010	W00906010006	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-7.8	Baseline	12/22/2010	W00906010007	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-7.9	Additional	n/a	W01002040004	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-7.9	Baseline	12/22/2010	W01006010003	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-8	Additional	n/a	W01102040009	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-8	Enhanced	8/10/2015	W01103010012	Berm	Earthen Berm	—	X	X	—
W-SMA-8	Enhanced	8/10/2015	W01103010013	Berm	Earthen Berm	—	X	X	—
W-SMA-8	Enhanced	8/10/2015	W01103010014	Berm	Earthen Berm	—	X	X	—
W-SMA-8	Enhanced	8/10/2015	W01103010015	Berm	Earthen Berm	—	X	X	—
W-SMA-8	Enhanced	8/10/2015	W01103040010	Berm	Asphalt Berm	X	—	X	—
W-SMA-8	Baseline	12/22/2010	W01106010006	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-8	Additional	n/a	W01106010011	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-8	Enhanced	8/10/2015	W01106010016	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-8.7	Additional	n/a	W01202040011	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-8.7	Baseline	12/22/2010	W01203060010	Berm	Straw Wattle	—	X	—	X

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROF <sup>d</sup>
W-SMA-8.7	Baseline	12/22/2010	W01206010006	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-8.7	Baseline	12/22/2010	W01206010007	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-8.7	Baseline	12/22/2010	W01206010008	Check Dam	Rock Check Dam	—	X	X	—
W-SMA-8.71	Additional	n/a	W012A02040006	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-8.71	Enhanced	11/27/2012	W012A03010005	Berm	Earthen Berm	—	X	X	—
W-SMA-8.71	Enhanced	9/4/2015	W012A03010007	Berm	Earthen Berm	—	X	—	X
W-SMA-8.71	Additional	n/a	W012A03060008	Berm	Straw Wattle	—	X	—	X
W-SMA-8.71	Additional	n/a	W012A03060009	Berm	Straw Wattle	—	X	—	X
W-SMA-9.05	Additional	n/a	W01302040013	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-9.05	Additional	n/a	W01303010010	Berm	Earthen Berm	—	X	—	X
W-SMA-9.05	Additional	n/a	W01303010011	Berm	Earthen Berm	—	X	—	X
W-SMA-9.05	Baseline	12/22/2010	W01304010004	Channel/Swale	Earthen Channel/Swale	X	—	X	—
W-SMA-9.05	Baseline	12/22/2010	W01306010001	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-9.05	Additional	n/a	W01306010012	Check Dam	Rock Check Dam	—	X	—	X
W-SMA-9.5	Additional	n/a	W01402040008	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-9.5	Additional	n/a	W01403010006	Berm	Earthen Berm	—	X	X	—
W-SMA-9.5	Additional	n/a	W01403010007	Berm	Earthen Berm	—	X	X	—
W-SMA-9.5	Baseline	11/1/2010	W01403060002	Berm	Straw Wattle	—	X	—	X
W-SMA-9.5	Additional	n/a	W01403060009	Berm	Straw Wattle	—	X	—	X
W-SMA-9.7	Additional	n/a	W01502040008	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-9.7	Additional	n/a	W01503060018	Berm	Straw Wattle	—	X	—	X
W-SMA-9.7	Additional	n/a	W01503060019	Berm	Straw Wattle	—	X	X	—
W-SMA-9.7	Additional	n/a	W01503100017	Berm	Gravel Bags	—	X	X	—
W-SMA-9.7	Additional	n/a	W01503140020	Berm	Coir Log	—	X	X	—
W-SMA-9.7	Baseline	12/22/2010	W01506030004	Check Dam	Juniper Bales	—	X	X	—
W-SMA-9.7	Baseline	12/22/2010	W01506030005	Check Dam	Juniper Bales	—	X	X	—
W-SMA-9.8	Additional	n/a	W01602040012	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-9.8	Baseline	12/22/2010	W01603020007	Berm	Base Course Berm	—	X	X	—

SMA	Control	Certification Date	BMP ID	Type of Control	Description	EC <sup>a</sup>	SC <sup>b</sup>	RON <sup>c</sup>	ROFF <sup>d</sup>
W-SMA-9.8	Baseline	12/22/2010	W01603060010	Berm	Straw Wattle	—	X	—	X
W-SMA-9.9	Additional	n/a	W01702040022	Permanent Vegetation	Established Vegetation	X	—	—	X
W-SMA-9.9	Enhanced	6/27/2012	W01703010017	Berm	Earthen Berm	—	X	X	—
W-SMA-9.9	Enhanced	6/27/2012	W01703010018	Berm	Earthen Berm	—	X	—	X
W-SMA-9.9	Enhanced	6/27/2012	W01703010019	Berm	Earthen Berm	—	X	—	X
W-SMA-9.9	Enhanced	6/27/2012	W01703010020	Berm	Earthen Berm	—	X	—	X
W-SMA-9.9	Baseline	12/22/2010	W01703090001	Berm	Curbing	—	X	X	—

<sup>a</sup> EC = Erosion control.

<sup>b</sup> SC = Sediment control.

<sup>c</sup> RON = Run-on Control.

<sup>d</sup> ROFF = Runoff control.

<sup>e</sup> n/a = Not applicable.

<sup>f</sup> X = Control performs the identified function.

<sup>g</sup> — = Control does not perform the identified function.

<sup>h</sup> TRM = Turf-reinforcing matting.

# **Appendix D**

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*Compliance Status Reports*




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E001	Site Monitoring Area No. 2M-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	E00102040026: Established Vegetation	BCM	-	4/23/2013
-	-	-	--	-	E00103010014: Earthen Berm	CA	8/19/2012	7/20/2012
-	-	--	-	--	E00103040027: Asphalt Berm	CA	-	9/18/2014
-	-	-	-	-	E00103120034: Rock Berm	CA	-	11/4/2015
-	-	--	-	--	E00104060010: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	E00104060011: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	--	-	--	E00104060033: Rip Rap	CA	-	11/4/2015
-	-	-	-	-	E00105020013: Sediment Basin	CA	8/19/2012	7/20/2012
-	--	-	--	-	E00106010007: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	-	--	E00106010008: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	--	-	-	E00106010009: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	-	--	E00106010017: Rock Check Dam	CA	8/19/2012	7/20/2012
-	-	-	-	-	E00106010018: Rock Check Dam	CA	8/19/2012	7/20/2012
-	-	--	-	--	E00106010019: Rock Check Dam	CA	8/19/2012	7/20/2012
-	-	-	--	-	E00106010020: Rock Check Dam	CA	8/19/2012	7/20/2012
-	-	-	-	-	E00106010021: Rock Check Dam	CA	8/19/2012	7/20/2012

**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E001	Site Monitoring Area No. 2M-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)->Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E00106010022: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00106010023: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00106010024: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00106010025: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00106010028: Rock Check Dam	CA	--	6/19/2015
--	--	--	--	--	E00106010029: Rock Check Dam	CA	--	6/19/2015
--	--	--	--	--	E00106020031: Log Check Dam	CA	--	11/18/2015
--	--	--	--	--	E00106020032: Log Check Dam	CA	--	11/18/2015
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E002	Site Monitoring Area No. 2M-SMA-1.42	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E00202040015: Established Vegetation	BCM	--	4/23/2013
--	--	--	--	--	E00203010011: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	E00203010012: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	E00203010014: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	E00203120003: Rock Berm	BCM	4/29/2011	12/13/2010
--	--	--	--	--	E00206010006: Rock Check Dam	BCM	4/29/2011	12/13/2010
--	--	--	--	--	E00206010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
--	--	--	--	--	E00206010008: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 02/26/2016.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E003	Site Monitoring Area No. 2M-SMA-1.43	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	--	-	E00302040005: Established Vegetation	BCM	-	4/23/2013
-	-	-	-	-	E00306010003: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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Comments: No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E004	Site Monitoring Area No. 2M-SMA-1.44	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E00402040008: Established Vegetation	BCM	--	4/23/2013
--	--	--	--	--	E00403010006: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	E00403010011: Earthen Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	E00403010015: Earthen Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	E00403060019: Straw Wattle	CA	--	8/7/2015
--	--	--	--	--	E00403060020: Straw Wattle	CA	--	8/7/2015
--	--	--	--	--	E00403060021: Straw Wattle	CA	--	8/7/2015
--	--	--	--	--	E00403060022: Straw Wattle	CA	--	8/7/2015
--	--	--	--	--	E00403060023: Straw Wattle	CA	--	8/7/2015
--	--	--	--	--	E00403060024: Straw Wattle	CA	--	8/7/2015
--	--	--	--	--	E00403060027: Straw Wattle	CA	--	10/30/2015
--	--	--	--	--	E00403140016: Coir Log	CA	10/4/2015	9/4/2015
--	--	--	--	--	E00404060012: Rip Rap	CA	10/4/2015	9/4/2015
--	--	--	--	--	E00406010009: Rock Check Dam	CA	10/4/2015	9/4/2015
--	--	--	--	--	E00406010010: Rock Check Dam	CA	10/4/2015	9/4/2015
--	--	--	--	--	E00406010013: Rock Check Dam	CA	10/4/2015	9/4/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/18/2017. The sampler was shut down for the winter on 11/08/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E004	Site Monitoring Area No. 2M-SMA-1.44	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	E00406010014: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/18/2017. The sampler was shut down for the winter on 11/08/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E005	Site Monitoring Area No. 2M-SMA-1.45	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E00502040018: Established Vegetation	BCM	--	4/23/2013
--	--	--	--	--	E00503010014: Earthen Berm	BCM	--	10/31/2011
--	--	--	--	--	E00503010015: Earthen Berm	BCM	--	10/31/2011
--	--	--	--	--	E00503010016: Earthen Berm	CA	9/20/2012	8/21/2012
--	--	--	--	--	E00503010017: Earthen Berm	CA	9/20/2012	8/21/2012
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 09/08/2015 with certification of completion of corrective action under E.2(a).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: E006	Site Monitoring Area No. 2M-SMA-1.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	E00602040005: Established Vegetation	BCM	-	4/23/2013
--	-	-	--	-	E00603060006: Straw Wattle	BCM	--	11/5/2014
-	-	-	-	-	E00604040002: Culvert	BCM	12/1/2010	11/1/2010
--	-	-	-	-	--	--	-	-
-	--	-	--	-	-	-	-	--
-	-	-	-	--	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E007	Site Monitoring Area No. 2M-SMA-1.65	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E00702040011: Established Vegetation	BCM	--	5/7/2013
--	--	--	--	--	E00703010010: Earthen Berm	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00706010006: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00706010007: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00706010008: Rock Check Dam	CA	8/19/2012	7/20/2012
--	--	--	--	--	E00706010009: Rock Check Dam	CA	8/19/2012	7/20/2012
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E008	Site Monitoring Area No. 2M-SMA-1.67	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	E00802040016: Established Vegetation	BCM	-	4/23/2013
--	--	-	-	-	E00803010014: Earthen Berm	BCM	-	10/31/2011
--	-	-	-	-	E00803010015: Earthen Berm	BCM	-	10/31/2011
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-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/12/2017. The sampler was found to be off on 09/11/2017. The sampler was last known to be operable at a prior visit to install RTU equipment on 08/31/17 (inoperable up to 11 d). The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E009	Site Monitoring Area No. 2M-SMA-1.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E00902040009: Established Vegetation	BCM	--	4/23/2013
--	--	--	--	--	E00903010008: Earthen Berm	CA	8/26/2012	7/27/2012
--	--	--	--	--	E00903120005: Rock Berm	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

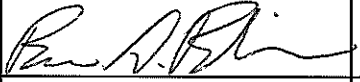


Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E010	Site Monitoring Area No. 2M-SMA-1.8	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	E01002040010: Established Vegetation	BCM	-	4/23/2013
-	-	-	-	-	E01003040003: Asphalt Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	E01003100012: Gravel Bags	CA	-	8/23/2016
-	-	-	-	-	E01006010004: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	E01006010005: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	E01006010006: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	E01006010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E011	Site Monitoring Area No. 2M-SMA-1.9	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	E01103090001: Curbing	BCM	4/29/2011	12/13/2010
-	-	-	-	--	E01103100003: Gravel Bags	BCM	4/29/2011	12/13/2010
-	--	-	--	-	E01103100005: Gravel Bags	CA	-	8/3/2016
-	-	-	-	-	-	--	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E012	Site Monitoring Area No. 2M-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E01202040015: Established Vegetation	BCM	--	4/23/2013
--	--	--	--	--	E01203090006: Curbing	BCM	4/29/2011	12/13/2010
--	--	--	--	--	E01205020014: Sediment Basin	CA	6/1/2013	5/2/2013
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E013	Site Monitoring Area No. 2M-SMA-2.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	E01303090002: Curbing	BCM	12/1/2010	11/1/2010
--	--	--	--	--	E01304020003: Concrete/Asphalt Channel/Swale	BCM	12/1/2010	11/1/2010
--	--	--	--	--	E01306010004: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	--	--	--	--	E01306010005: Rock Check Dam	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Control measures eliminating exposure of pollutants to stormwater were certified per E.2(c) on 09/29/2015. The sample required under E.1(b) was collected on 07/01/2016.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: E015	Site Monitoring Area No. 2M-SMA-2.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	E01502040006: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	E01503010004: Earthen Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	E01503010005: Earthen Berm	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 10/19/2012.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E014	Site Monitoring Area No. 2M-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	105	ug/L	D	E01402040013: Established Vegetation	BCM	-	5/7/2013
Aluminum, F	N	539	ug/L	D	E01403010028: Earthen Berm	CA	10/4/2015	9/4/2015
Antimony, F	N	< 1	ug/L	ND	E01403010029: Earthen Berm	CA	10/4/2015	9/4/2015
Antimony, F	N	< 1	ug/L	ND	E01403060030: Straw Wattle	CA	10/4/2015	9/4/2015
Arsenic, F	N	< 2	ug/L	ND	E01403140022: Coir Log	CA	10/4/2015	9/4/2015
Arsenic, F	N	< 2	ug/L	ND	E01403140023: Coir Log	CA	10/4/2015	9/4/2015
Boron, F	N	< 15	ug/L	ND	E01403140024: Coir Log	CA	10/4/2015	9/4/2015
Boron, F	N	< 15	ug/L	ND	E01403140031: Coir Log	CA	-	9/9/2015
Cadmium, F	N	< 0.3	ug/L	ND	E01403140032: Coir Log	CA	-	6/24/2017
Cadmium, F	N	< 0.3	ug/L	ND	E01403140033: Coir Log	CA	-	6/24/2017
Chromium, F	N	< 3	ug/L	ND	E01406010025: Rock Check Dam	CA	10/4/2015	9/4/2015
Chromium, F	N	< 3	ug/L	ND	E01406010026: Rock Check Dam	CA	10/4/2015	9/4/2015
Cobalt, F	N	< 1	ug/L	ND	E01406010027: Rock Check Dam	CA	10/4/2015	9/4/2015
Cobalt, F	N	< 1	ug/L	ND	-	-	-	-
Copper, F	N	1.56	ug/L	D	-	-	-	-
Copper, F	N	1.36	ug/L	D	-	-	-	-

Comments: The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was found to be off on 06/08/2017. The sampler was last known to be operable at the prior inspection on 05/24/2017 (inoperable up to 15 d). The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 6/28/17 (inoperable 3 d). A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated for corrective action monitoring on 08/08/2017 (inoperable 13 d). Insufficient volume was collected on 8/11/2017 at 13:38. The sample was not retrieved. Reset at inspection on 8/21/2017 (inoperable 10 d). The sampler attempted but was unable to collect a sample on 9/26/2017 at 20:00. Reset at inspection on 10/02/2017 (inoperable 6 d). The sampler was shut down on 10/04/2017 after collection of a second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Defected, No TAL exceedance ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E014	Site Monitoring Area No. 2M-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	0.00424	mg/L	D	--	--	--	--
Cyanide, weak acid dissociable, UF	N	0.00424	mg/L	D	--	--	--	--
Gross alpha, UF	N	1.83	pCi/L	D	--	--	--	--
Gross alpha, UF	Y	16.2	pCi/L	ATAL	--	--	--	--
Lead, F	N	< 0.5	ug/L	ND	--	--	--	--
Lead, F	N	< 0.5	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Nickel, F	N	0.673	ug/L	D	--	--	--	--
Nickel, F	N	0.623	ug/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	1.11	pCi/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	< 1.26	pCi/L	ND No MQL	--	--	--	--

Comments: The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was found to be off on 06/08/2017. The sampler was last known to be operable at the prior inspection on 05/24/2017 (inoperable up to 15 d). The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 6/28/17 (inoperable 3 d). A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated for corrective action monitoring on 08/08/2017 (inoperable 13 d). Insufficient volume was collected on 8/11/2017 at 13:38. The sample was not retrieved. Reset at inspection on 8/21/2017 (inoperable 10 d). The sampler attempted but was unable to collect a sample on 9/26/2017 at 20:00. Reset at inspection on 10/02/2017 (inoperable 6 d). The sampler was shut down on 10/04/2017 after collection of a second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: E014	Site Monitoring Area No. 2M-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
RDX, UF	N	< 0.0952	ug/L	ND	--	--	--	--
RDX, UF	N	0.11	ug/L	D	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Trinitrotoluene[2,4,6-], UF	N	< 0.0952	ug/L	ND	--	--	--	--
Trinitrotoluene[2,4,6-], UF	N	< 0.0964	ug/L	ND	--	--	--	--
Vanadium, F	N	< 1	ug/L	ND	--	--	--	--
Vanadium, F	N	< 1	ug/L	ND	--	--	--	--
Zinc, F	N	< 3.3	ug/L	ND	--	--	--	--
Zinc, F	N	< 3.3	ug/L	ND	--	--	--	--
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Comments: The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was found to be off on 06/08/2017. The sampler was last known to be operable at the prior inspection on 05/24/2017 (inoperable up to 15 d). The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 6/28/17 (inoperable 3 d). A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated for corrective action monitoring on 08/08/2017 (inoperable 13 d). Insufficient volume was collected on 8/11/2017 at 13:38. The sample was not retrieved. Reset at inspection on 8/21/2017 (inoperable 10 d). The sampler attempted but was unable to collect a sample on 9/26/2017 at 20:00. Reset at inspection on 10/02/2017 (inoperable 6 d). The sampler was shut down on 10/04/2017 after collection of a second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Delected, No TAL exceedance ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: H001	Site Monitoring Area No. 3M-SMA-0.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	H00102040006: Established Vegetation	BCM	-	5/7/2013
--	-	-	-	-	H00103010005: Earthen Berm	BCM	--	9/15/2011
-	-	-	-	-	H00106010002: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	-	-	--	-	H00106010007: Rock Check Dam	BCM	-	12/4/2015
-	-	-	--	-	H00106010008: Rock Check Dam	BCM	-	12/4/2015
-	-	--	-	--	H00106010009: Rock Check Dam	BCM	-	12/4/2015
-	--	-	--	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/23/2017. The sampler was shut down for the winter on 11/16/2017.

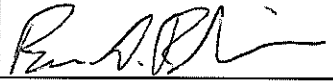
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: H002	Site Monitoring Area No. 3M-SMA-0.4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	--	--	-	H00202040005: Established Vegetation	BCM	-	5/13/2013
--	-	--	--	-	H00203010003: Earthen Berm	BCM	4/29/2011	12/22/2010
--	-	--	--	-	H00203010004: Earthen Berm	BCM	--	9/15/2011
--	-	--	--	-	H00203100014: Gravel Bags	CA	--	3/30/2016
--	-	--	--	-	H00203120008: Rock Berm	CA	-	10/6/2014
--	-	--	--	-	H00203120009: Rock Berm	CA	-	10/6/2014
--	-	--	--	-	H00203120010: Rock Berm	CA	-	10/6/2014
--	-	--	--	-	H00203120011: Rock Berm	CA	--	10/6/2014
--	-	--	--	-	H00203120015: Rock Berm	CA	-	3/30/2016
--	-	--	--	-	H00203120016: Rock Berm	CA	-	3/30/2016
--	-	--	--	-	H00205020007: Sediment Basin	CA	--	10/6/2014
--	-	--	--	-	H00208020006: Rock Cap	BCM	-	11/19/2013
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: H003	Site Monitoring Area No. 3M-SMA-0.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	H00302040017: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	H00303010030: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00304060001: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00304060004: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00304060018: Rip Rap	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00306010002: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00306010005: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00306010006: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00306010012: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00306010016: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00306010019: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00306010020: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00306010021: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00306010022: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00306010023: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	H00306010024: Rock Check Dam	CA	11/27/2015	10/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/25/2017. The actuator was found buried on arrival on 9/29/2017. The sampler was last known to be operable at the prior inspection on 09/21/2017 (inoperable up to 8 d). The sampler attempted but was unable to collect a sample on 10/04/2017 at 22:47. Reset at inspection on 10/10/2017 (inoperable 6 d). The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: H003	Site Monitoring Area No. 3M-SMA-0.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	H00306010025: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00306010026: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00306010027: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00306010028: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00306010029: Rock Check Dam	CA	11/27/2015	10/28/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/25/2017. The actuator was found buried on arrival on 9/29/2017. The sampler was last known to be operable at the prior inspection on 09/21/2017 (inoperable up to 8 d). The sampler attempted but was unable to collect a sample on 10/04/2017 at 22:47. Reset at inspection on 10/10/2017 (inoperable 6 d). The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: H004	Site Monitoring Area No. 3M-SMA-0.6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	H00402040029: Established Vegetation	BCM	-	5/8/2013
-	-	-	--	-	H00403010030: Earthen Berm	CA	-	10/25/2017
-	-	-	-	--	H00403060006: Straw Wattle	BCM	4/29/2011	12/22/2010
-	--	-	-	-	H00403060008: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00403060011: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	-	-	-	H00403060012: Straw Wattle	BCM	4/29/2011	12/22/2010
-	--	-	-	-	H00403060015: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	-	-	--	H00403060017: Straw Wattle	BCM	4/29/2011	12/22/2010
-	--	-	-	-	H00403060019: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	-	--	-	H00403060022: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	-	-	--	H00403060027: Straw Wattle	BCM	4/29/2011	12/22/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/26/2017. The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: H005	Site Monitoring Area No. 3M-SMA-2.6	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	H00502040007: Established Vegetation	BCM	-	5/2/2013
-	--	-	--	-	H00503120005: Rock Berm	BCM	4/29/2011	3/29/2011
-	--	-	--	-	H00504040003: Culvert	BCM	4/29/2011	3/29/2011
-	--	-	--	-	H00506010006: Rock Check Dam	BCM	4/29/2011	3/29/2011
-	--	-	--	-	-	-	-	--
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: H006	Site Monitoring Area No. 3M-SMA-4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Copper, F	Y	8.11	ug/L	MTAL	H00602040010: Established Vegetation	BCM	-	5/2/2013
Gross alpha, UF	N	9.4	pCi/L	D	H00604020009: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	12/13/2010
RDX, UF	N	< 0.0952	ug/L	ND	H00604060005: Rip Rap	BCM	4/29/2011	12/13/2010
Trinitrotoluene[2,4,6-], UF	N	< 0.0952	ug/L	ND	H00604060013: Rip Rap	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00604060015: Rip Rap	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00606010011: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00607010002: Gabions	BCM	4/29/2011	12/13/2010
--	--	--	--	--	H00607010012: Gabion	CA	11/27/2015	10/28/2015
--	--	--	--	--	H00607010014: Gabion	CA	11/27/2015	10/28/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/17/2017. A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated for corrective action monitoring on 08/09/2017 (inoperable 14 d). The sampler was shut down for the winter on 11/14/2017. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P001	Site Monitoring Area No. ACID-SMA-1.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	P00103010005: Earthen Berm	BCM	12/1/2010	11/1/2010
-	--	-	-	--	P00103090003: Curbing	BCM	12/1/2010	11/1/2010
-	-	--	-	-	P00104040004: Culvert	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 11/01/2011.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: P002	Site Monitoring Area No. ACID-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	139	ug/L	D	P00202040018: Established Vegetation	BCM	-	5/8/2013
Aluminum, F	Y	798	ug/L	MTAL	P00206010013: Rock Check Dam	BCM	12/1/2010	11/1/2010
Antimony, F	N	< 1	ug/L	ND	P00206010014: Rock Check Dam	CA	11/13/2016	10/13/2016
Antimony, F	N	< 1	ug/L	ND	P00206010015: Rock Check Dam	CA	11/13/2016	10/13/2016
Arsenic, F	N	< 2	ug/L	ND	P00206010016: Rock Check Dam	CA	11/13/2016	10/13/2016
Arsenic, F	N	< 2	ug/L	ND	P00206010019: Rock Check Dam	CA	-	7/26/2017
Boron, F	N	< 15	ug/L	ND	P00206020020: Log Check Dam	CA	-	10/26/2016
Boron, F	N	< 15	ug/L	ND	P00206020021: Log Check Dam	CA	-	10/26/2016
Cadmium, F	N	< 0.3	ug/L	ND	P00206020022: Log Check Dam	CA	-	10/26/2016
Cadmium, F	N	< 0.3	ug/L	ND	P00206020023: Log Check Dam	CA	-	10/26/2016
Chromium, F	N	< 3	ug/L	ND	-	-	-	-
Chromium, F	N	< 3	ug/L	ND	-	-	-	-
Cobalt, F	N	< 1	ug/L	ND	-	-	-	-
Cobalt, F	N	< 1	ug/L	ND	-	-	-	-
Copper, F	N	3.14	ug/L	D	-	-	-	-
Copper, F	N	3.45	ug/L	D	-	-	-	-

**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. A corrective action monitoring sample was collected on 07/08/2017. The sampler was reactivated for corrective action monitoring on 07/12/2017 (inoperable 4 d). A corrective action monitoring sample was collected on 7/26/17. The sampler was shut down on 08/02/2017 at retrieval of the second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P002	Site Monitoring Area No. ACID-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Gross alpha, UF	Y	236	pCi/L	ATAL	--	--	--	--
Gross alpha, UF	Y	47.9	pCi/L	ATAL	--	--	--	--
Lead, F	N	0.782	ug/L	D	--	--	--	--
Lead, F	N	1.52	ug/L	D	--	--	--	--
Mercury, UF	N	0.262	ug/L	D	--	--	--	--
Mercury, UF	N	0.262	ug/L	D	--	--	--	--
Mercury, UF	N	0.296	ug/L	D	--	--	--	--
Mercury, UF	N	0.296	ug/L	D	--	--	--	--
Nickel, F	N	1.25	ug/L	D	--	--	--	--
Nickel, F	N	1.56	ug/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	2.5	pCi/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	4.26	pCi/L	D	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. A corrective action monitoring sample was collected on 07/08/2017. The sampler was reactivated for corrective action monitoring on 07/12/2017 (inoperable 4 d). A corrective action monitoring sample was collected on 7/26/17. The sampler was shut down on 08/02/2017 at retrieval of the second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P002	Site Monitoring Area No. ACID-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Total PCB, UF	Y	0.0573	ug/L	ATAL	--	--	--	--
Total PCB, UF	Y	0.105	ug/L	ATAL	--	--	--	--
Vanadium, F	N	< 1	ug/L	ND	--	--	--	--
Vanadium, F	N	1.07	ug/L	D	--	--	--	--
Zinc, F	N	8.55	ug/L	D	--	--	--	--
Zinc, F	N	16	ug/L	D	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. A corrective action monitoring sample was collected on 07/08/2017. The sampler was reactivated for corrective action monitoring on 07/12/2017 (inoperable 4 d). A corrective action monitoring sample was collected on 7/26/17. The sampler was shut down on 08/02/2017 at retrieval of the second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P002A	Site Monitoring Area No. ACID-SMA-2.01	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	906	ug/L	MTAL	P002A02040007: Established Vegetation	BCM	-	5/8/2013
Aluminum, F	N	604	ug/L	D	P002A03010004: Earthen Berm	BCM	4/29/2011	12/6/2010
Antimony, F	N	< 1	ug/L	ND	P002A03140010: Coir Log	BCM	-	8/2/2017
Antimony, F	N	< 1	ug/L	ND	P002A04060002: Rip Rap	BCM	4/29/2011	12/6/2010
--	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-
--	-	-	-	-	-	-	-	-
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--	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler attempted but was unable to collect a sample on 07/08/2017 at 12:54. Reset at inspection on 07/12/2017. The sampler attempted but was unable to collect a sample immediately after reset on 07/12/2017 at 15:12. Reset at inspection on 07/27/2017 (inoperable 19 d). The sampler attempted but was unable to collect a sample on 07/27/2017 at 18:01. Reset at inspection on 08/08/2017 (inoperable 12 d) The sampler was shut down for the winter on 11/15/2017. D-Delected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P003	Site Monitoring Area No. ACID-SMA-2.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Arsenic, F	N	< 2	ug/L	ND	P00302030012: Permanent Vegetation Vegetative Buffer Strip	BCM	12/1/2010	11/1/2010
Arsenic, F	N	< 2	ug/L	ND	P00302040019: Established Vegetation	BCM	-	5/8/2013
Boron, F	N	37.4	ug/L	D	P00303010009: Earthen Berm	BCM	12/1/2010	11/1/2010
Boron, F	N	26.4	ug/L	D	P00304060011: Rip Rap	BCM	12/1/2010	11/1/2010
Cadmium, F	N	< 0.3	ug/L	ND	P00306010015: Rock Check Dam	BCM	12/1/2010	11/1/2010
Cadmium, F	N	< 0.3	ug/L	ND	P00306010020: Rock Check Dam	CA	11/13/2016	10/13/2016
Chromium, F	N	< 3	ug/L	ND	P00306010021: Rock Check Dam	CA	11/13/2016	10/13/2016
Chromium, F	N	< 3	ug/L	ND	P00306010022: Rock Check Dam	CA	11/13/2016	10/13/2016
Cobalt, F	N	< 1	ug/L	ND	P00306010027: Rock Check Dam	CA	--	7/26/2017
Cobalt, F	N	< 1	ug/L	ND	P00306020023: Log Check Dam	CA	11/13/2016	10/13/2016
Copper, F	Y	4.69	ug/L	MTAL	P00306020024: Log Check Dam	CA	11/13/2016	10/13/2016
Copper, F	N	3.27	ug/L	D	P00306020025: Log Check Dam	CA	11/13/2016	10/13/2016
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	P00306020026: Log Check Dam	CA	11/13/2016	10/13/2016
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	-	-	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	-	-	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	-	-	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler attempted but was unable to collect a sample on 07/26/2017 at 11:23. Reset at inspection on 08/02/2017 (inoperable 7 d). A corrective action monitoring sample was collected on 08/07/2017. The sampler was reactivated for corrective action monitoring on 08/22/2017 (inoperable 15 d). The sampler was shut down on 08/23/2017 after collection of a second corrective action sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P003	Site Monitoring Area No. ACID-SMA-2.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Gross alpha, UF	Y	66.1	pCi/L	ATAL	--	--	--	--
Gross alpha, UF	Y	80.2	pCi/L	ATAL	--	--	--	--
Lead, F	N	1.29	ug/L	D	--	--	--	--
Lead, F	N	1.16	ug/L	D	--	--	--	--
Mercury, UF	N	0.168	ug/L	D	--	--	--	--
Mercury, UF	N	0.168	ug/L	D	--	--	--	--
Mercury, UF	N	0.211	ug/L	D	--	--	--	--
Mercury, UF	N	0.211	ug/L	D	--	--	--	--
Nickel, F	N	1.25	ug/L	D	--	--	--	--
Nickel, F	N	1.18	ug/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	< 1.16	pCi/L	ND No MQL	--	--	--	--
Radium-226 and Radium-228, UF	N	1.29	pCi/L	D	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler attempted but was unable to collect a sample on 07/26/2017 at 11:23. Reset at inspection on 08/02/2017 (inoperable 7 d). A corrective action monitoring sample was collected on 08/07/2017. The sampler was reactivated for corrective action monitoring on 08/22/2017 (inoperable 15 d). The sampler was shut down on 08/23/2017 after collection of a second corrective action sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P003	Site Monitoring Area No. ACID-SMA-2.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Thallium, F	N	0.708	ug/L	D	--	--	--	--
Total PCB, UF	Y	0.0387	ug/L	ATAL	--	--	--	--
Total PCB, UF	Y	0.0482	ug/L	ATAL	--	--	--	--
Vanadium, F	N	3.25	ug/L	D	--	--	--	--
Vanadium, F	N	1.99	ug/L	D	--	--	--	--
Zinc, F	N	20.8	ug/L	D	--	--	--	--
Zinc, F	N	20.6	ug/L	D	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler attempted but was unable to collect a sample on 07/26/2017 at 11:23. Reset at inspection on 08/02/2017 (inoperable 7 d). A corrective action monitoring sample was collected on 08/07/2017. The sampler was reactivated for corrective action monitoring on 08/22/2017 (inoperable 15 d). The sampler was shut down on 08/23/2017 after collection of a second corrective action sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A001	Site Monitoring Area No. A-SMA-1.1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	A00102040006: Established Vegetation	BCM	--	5/13/2013
-	--	-	-	-	A00103010005: Earthen Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	--	--	--	--
-	--	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A002	Site Monitoring Area No. A-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	A00202040017: Established Vegetation	BCM	--	5/13/2013
--	--	--	--	--	A00203010041: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00203010042: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00203010043: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00203020051: Base Course Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00203150047: Redi-Rock Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00204040046: Culvert	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00204040049: Culvert	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00204050053: Water Bar	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00204060004: Rip Rap	BCM	4/29/2011	1/12/2011
--	--	--	--	--	A00204080045: TRM-Lined Swale	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00204080048: TRM-Lined Swale	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00204080052: TRM-Lined Swale	CA	9/9/2015	8/10/2015
--	--	--	--	--	A00205020050: Sediment Basin	CA	9/9/2015	8/10/2015
--	--	--	--	--	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A003	Site Monitoring Area No. A-SMA-2.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	--	-	--	A00302040007: Established Vegetation	BCM	-	5/13/2013
-	-	-	-	-	A00303010003: Earthen Berm	BCM	4/29/2011	1/12/2011
-	-	-	--	-	A00303010010: Earthen Berm	BCM	-	5/17/2017
-	--	-	-	--	A00303060008: Straw Wattle	BCM	-	7/19/2013
--	-	--	-	-	A00303060009: Straw Wattle	BCM	-	7/19/2013
-	--	-	--	-	A00304060014: Rip Rap	BCM	-	5/17/2017
--	-	-	-	-	A00304080015: TRM-Lined Swale	BCM	-	5/17/2017
-	-	--	-	--	A00307010012: Gabion	BCM	--	5/17/2017
-	--	-	--	-	A00307010013: Gabion	BCM	-	5/17/2017
-	-	-	-	--	A00307020011: Gabion Blanket	BCM	-	5/17/2017
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: A004	Site Monitoring Area No. A-SMA-2.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	A00402040017: Established Vegetation	BCM	--	5/13/2013
-	-	-	-	-	A00403010013: Earthen Berm	CA	9/22/2012	8/23/2012
-	-	-	-	-	A00403010014: Earthen Berm	CA	9/22/2012	8/23/2012
-	-	--	-	-	A00403010015: Earthen Berm	CA	9/22/2012	8/23/2012
-	-	--	-	-	A00403010016: Earthen Berm	CA	9/22/2012	8/23/2012
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**Comments:** The sampler was activated for corrective action monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A005	Site Monitoring Area No. A-SMA-2.8	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	-	-	A00501010004: Seed and Wood Mulch	BCM	-	5/22/2012
-	-	-	-	--	A00503010002: Earthen Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00508020005: Rock Cap	BCM	-	10/14/2014
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.

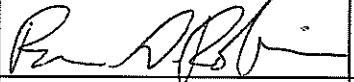
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: A006	Site Monitoring Area No. A-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	A00602040018: Established Vegetation	BCM	--	5/13/2013
--	--	--	--	--	A00603020023: Base Course Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	A00603120017: Rock Berm	BCM	--	5/23/2012
--	--	--	--	--	A00603140026: Coir Log	CA	10/4/2015	9/4/2015
--	--	--	--	--	A00603150027: Redi-Rock Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	A00603150035: Redi-Rock Berm	CA	--	5/30/2017
--	--	--	--	--	A00604010022: Earthen Channel/Swale	CA	10/4/2015	9/4/2015
--	--	--	--	--	A00604030025: Rock Channel/Swale	CA	10/4/2015	9/4/2015
--	--	--	--	--	A00604060024: Rip Rap	CA	10/4/2015	9/4/2015
--	--	--	--	--	A00606010010: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	--	--	--	--	A00606010011: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	--	--	--	--	A00606010019: Rock Check Dam	BCM	--	11/26/2013
--	--	--	--	--	A00606010031: Rock Check Dam	CA	--	5/30/2017
--	--	--	--	--	A00606010032: Rock Check Dam	CA	--	5/30/2017
--	--	--	--	--	A00606010033: Rock Check Dam	CA	--	5/30/2017
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**Comments:** The sampler was activated for corrective action monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A006	Site Monitoring Area No. A-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	A00608020029: Rock Cap	CA	10/4/2015	9/4/2015
-	-	-	-	-	A00608020030: Rock Cap	CA	-	8/9/2016
-	-	-	-	-	A00608020036: Rock Cap	CA	-	5/30/2017
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**Comments:** The sampler was activated for corrective action monitoring on 05/16/2017. The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A007	Site Monitoring Area No. A-SMA-3.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	A00702040003: Established Vegetation	BCM	--	5/13/2013
--	--	--	--	--	A00703060002: Straw Wattle	BCM	4/29/2011	1/12/2011
--	--	--	--	--	A00703060005: Straw Wattle	BCM	--	7/12/2017
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 09/06/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A008	Site Monitoring Area No. A-SMA-4	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	A00802040010: Established Vegetation	BCM	-	5/6/2013
-	-	-	--	-	A00803010007: Earthen Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	--	A00803010009: Earthen Berm	BCM	--	5/20/2011
-	-	-	--	-	A00806010003: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	--	-	-	A00806010004: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/10/2017. The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: A009	Site Monitoring Area No. A-SMA-6	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	A00902040023: Established Vegetation	BCM	-	5/6/2013
-	-	-	-	-	A00903010021: Earthen Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00904020007: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00904060005: Rip Rap	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010008: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010009: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010010: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010011: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010012: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010013: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010014: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010015: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010016: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010017: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010018: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	A00906010019: Rock Check Dam	BCM	4/29/2011	1/12/2011

**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: B001	Site Monitoring Area No. B-SMA-0.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)-Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	--	-	B00102040012: Established Vegetation	BCM	-	5/14/2013
-	-	-	-	-	B00103010006: Earthen Berm	BCM	4/29/2011	12/8/2010
-	-	-	-	-	B00103010007: Earthen Berm	BCM	4/29/2011	12/8/2010
-	-	-	-	-	B00103140016: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00103140017: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00103140018: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00103140019: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00103140020: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00103140024: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00103140025: Coir Log	BCM	-	10/3/2016
-	-	-	-	-	B00104010005: Earthen Channel/Swale	BCM	4/29/2011	12/8/2010
-	-	-	-	-	B00104010026: Earthen Channel/Swale	BCM	-	10/3/2016
-	-	-	-	-	B00104040003: Culvert	BCM	4/29/2011	12/8/2010
-	-	-	-	-	B00104050015: Water Bar	BCM	-	10/3/2016
-	-	-	-	-	B00104060009: Rip Rap	BCM	-	8/27/2012
-	-	-	-	-	B00106010008: Rock Check Dam	BCM	4/29/2011	12/8/2010

**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 06/15/2015 for all associated Sites and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: B001	Site Monitoring Area No. B-SMA-0.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	-	--	B00106010021: Rock Check Dam	BCM	-	10/3/2016
-	-	-	-	-	B00106020022: Log Check Dam	BCM	-	10/3/2016
-	--	-	--	-	B00106020023: Log Check Dam	BCM	-	10/3/2016
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 06/15/2015 for all associated Sites and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: B002	Site Monitoring Area No. B-SMA-1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	B00202040008: Established Vegetation	BCM	-	5/6/2013
-	-	-	-	-	B00206010003: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	-	-	-	-	B00206010004: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	-	-	-	-	B00206010005: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	-	-	-	-	B00206010006: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	-	-	-	-	B00206010007: Rock Check Dam	BCM	4/29/2011	12/6/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 11/22/2013 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>	NPDES Permit No.: NM0030759
Permitted Feature No.: C001	Reporting Period: January 01, 2017 - December 31, 2017	
Site Monitoring Area No. CDB-SMA-0.15	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	C00102040015: Established Vegetation	BCM	-	5/2/2013
-	-	-	-	-	C00103010013: Earthen Berm	BCM	-	8/15/2011
-	-	-	-	-	C00103060019: Straw Wattle	BCM	-	7/24/2014
-	-	-	-	-	C00103060020: Straw Wattle	BCM	-	11/4/2014
-	-	-	-	-	C00103060021: Straw Wattle	BCM	-	11/4/2014
-	-	-	-	-	C00103120009: Rock Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00106030003: Juniper Bales	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00106030005: Juniper Bales	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00106030006: Juniper Bales	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00106030007: Juniper Bales	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 02/26/2016.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: C002	Site Monitoring Area No. CDB-SMA-0.25	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	C00202040019: Established Vegetation	BCM	-	5/2/2013
-	-	-	-	-	C00203010013: Earthen Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00203010017: Earthen Berm	CA	8/19/2012	7/20/2012
-	-	-	-	-	C00203010018: Earthen Berm	CA	8/19/2012	7/20/2012
-	-	-	-	-	C00204060009: Rip Rap	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: C003	Site Monitoring Area No. CDB-SMA-0.55	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	C00302040021: Established Vegetation	BCM	-	5/2/2013
-	-	-	-	-	C00303010011: Earthen Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010006: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010013: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010015: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010016: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010017: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010018: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010019: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	C00306010020: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: C004	Site Monitoring Area No. CDB-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	C00402040015: Established Vegetation	BCM	-	5/2/2013
--	-	-	--	-	C00403010016: Earthen Berm	CA	10/4/2015	9/4/2015
-	-	-	-	--	C00403010017: Earthen Berm	CA	10/4/2015	9/4/2015
--	-	-	--	-	C00404060006: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	-	-	-	C00404060008: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	-	-	--	C00404060009: Rip Rap	BCM	4/29/2011	12/22/2010
-	--	-	-	-	C00406010004: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	--	-	C00406010010: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	-	-	-	-	C00406010011: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	--	C00406010012: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	--	-	--	-	C00406010013: Rock Check Dam	BCM	4/29/2011	12/22/2010
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**Comments:** The sampler was activated for corrective action monitoring on 05/16/2017. The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: C005	Site Monitoring Area No. CDB-SMA-1.15	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	C00502040011: Established Vegetation	BCM	--	5/2/2013
--	--	--	--	--	C00503010012: Earthen Berm	BCM	--	12/4/2017
--	--	--	--	--	C00504060007: Rip Rap	BCM	12/1/2010	11/1/2010
--	--	--	--	--	C00504060008: Rip Rap	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/04/2017. The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: C006	Site Monitoring Area No. CDB-SMA-1.35	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	C00602040010: Established Vegetation	BCM	--	5/2/2013
--	--	--	--	--	C00603010006: Earthen Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	C00604060009: Rip Rap	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/04/2017. The sampler was shut down for the winter on 11/03/2017.

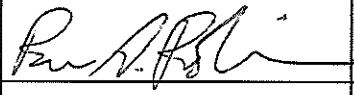
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: C007	Site Monitoring Area No. CDB-SMA-1.54	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	C00702040020: Established Vegetation	BCM	-	5/2/2013
-	-	-	-	-	C00703010007: Earthen Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00703010008: Earthen Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00703010009: Earthen Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	C00703010019: Earthen Berm	BCM	-	4/13/2011
-	-	-	-	-	C00703140022: Coir Log	BCM	-	10/15/2015
-	-	-	-	-	C00703140025: Coir Log	BCM	-	10/15/2015
-	-	-	-	-	C00704050021: Water Bar	BCM	-	10/15/2015
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**Comments:** The sampler was activated for baseline monitoring on 05/04/2017. The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: C008	Site Monitoring Area No. CDB-SMA-1.55	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	C00802040012: Established Vegetation	BCM	-	5/2/2013
-	-	-	-	-	C00803010010: Earthen Berm	BCM	12/1/2010	11/1/2010
--	-	--	-	-	C00803120009: Rock Berm	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: C009	Site Monitoring Area No. CDB-SMA-1.65	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	C00903010004: Earthen Berm	BCM	-	8/15/2011
-	-	-	-	-	C00904060001: Rip Rap	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: C010	Site Monitoring Area No. CDB-SMA-4	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	C01002040012: Established Vegetation	BCM	-	5/16/2013
-	--	-	-	-	C01004020005: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	11/16/2010
-	-	-	--	-	C01004060007: Rip Rap	BCM	4/29/2011	11/16/2010
-	-	-	-	-	C01005010004: Sediment Trap	BCM	4/29/2011	11/16/2010
-	-	-	-	--	C01006010006: Rock Check Dam	BCM	4/29/2011	11/16/2010
-	--	-	-	-	C01006010008: Rock Check Dam	BCM	4/29/2011	11/16/2010
-	-	-	--	-	C01006010009: Rock Check Dam	BCM	4/29/2011	11/16/2010
-	-	-	-	-	C01006010010: Rock Check Dam	BCM	4/29/2011	11/16/2010
-	-	--	-	--	C01006010011: Rock Check Dam	BCM	4/29/2011	11/16/2010
-	-	-	--	-	-	--	-	-
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**Comments:** The sampler was activated for monitoring on 05/11/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V001	Site Monitoring Area No. CDV-SMA-1.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V00102040012: Established Vegetation	BCM	-	5/3/2013
-	-	-	-	-	V00103020008: Base Course Berm	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V00104060001: Rip Rap	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V00106010007: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 09/14/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V002	Site Monitoring Area No. CDV-SMA-1.3	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	V00202040003: Established Vegetation	BCM	-	5/3/2013
-	--	-	--	-	V00203020002: Base Course Berm	BCM	4/29/2011	12/15/2010
-	--	-	--	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 09/26/2016 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V003	Site Monitoring Area No. CDV-SMA-1.4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)-Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	V00302040069: Established Vegetation	BCM	-	8/27/2013
-	--	-	--	-	V00303010066: Earthen Berm	BCM	-	9/6/2012
-	--	-	-	-	V00303010070: Earthen Berm	CA	6/11/2014	5/12/2014
--	-	--	-	-	V00303010071: Earthen Berm	CA	6/11/2014	5/12/2014
-	-	--	-	-	V00303010072: Earthen Berm	CA	6/11/2014	5/12/2014
-	-	--	-	--	V00303020017: Base Course Berm	BCM	4/29/2011	12/15/2010
-	--	-	--	-	V00303120087: Rock Berm	CA	-	11/20/2015
-	--	-	--	-	V00305020068: Sediment Basin	BCM	-	9/6/2012
-	-	--	-	--	V00305020073: Sediment Basin	CA	6/11/2014	5/12/2014
-	--	-	--	-	V00305020074: Sediment Basin	CA	6/11/2014	5/12/2014
-	-	--	-	-	V00305020075: Sediment Basin	CA	6/11/2014	5/12/2014
-	-	--	-	-	V00305020076: Sediment Basin	CA	6/11/2014	5/12/2014
-	--	-	--	-	V00306010012: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	--	-	-	V00306010039: Rock Check Dam	BCM	-	8/11/2011
-	-	--	-	--	V00306010040: Rock Check Dam	BCM	-	8/11/2011
-	-	--	-	-	V00306010043: Rock Check Dam	BCM	-	8/29/2011

**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: V003	Site Monitoring Area No. CDV-SMA-1.4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	V00306010057: Rock Check Dam	BCM	--	8/29/2011
--	--	--	--	--	V00306010058: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010059: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010060: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010061: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010062: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010063: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010064: Rock Check Dam	BCM	--	9/6/2012
--	--	--	--	--	V00306010065: Rock Check Dam	BCM	--	9/6/2012
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**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V004	Site Monitoring Area No. CDV-SMA-1.45	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	V00402040005: Established Vegetation	BCM	-	5/3/2013
-	--	-	-	-	V00403010004: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V005	Site Monitoring Area No. CDV-SMA-1.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	V00501060035: Erosion Control Blanket	CA	--	7/7/2016
--	--	--	--	--	V00502040016: Established Vegetation	BCM	--	5/16/2013
--	--	--	--	--	V00503010027: Earthen Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	V00503010028: Earthen Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	V00503020034: Base Course Berm	CA	--	7/7/2016
--	--	--	--	--	V00503060025: Straw Wattle	CA	10/4/2015	9/4/2015
--	--	--	--	--	V00503060032: Straw Wattle	CA	--	9/14/2015
--	--	--	--	--	V00504010018: Earthen Channel/Swale	CA	10/4/2015	9/4/2015
--	--	--	--	--	V00504040017: Culvert	CA	10/4/2015	9/4/2015
--	--	--	--	--	V00504040036: Culvert	CA	--	7/7/2016
--	--	--	--	--	V00504060015: Rip Rap	BCM	4/29/2011	12/22/2010
--	--	--	--	--	V00504060026: Rip Rap	CA	10/4/2015	9/4/2015
--	--	--	--	--	V00504060039: Rip Rap	CA	--	7/7/2016
--	--	--	--	--	V00504080033: TRM-Lined Swale	CA	--	7/7/2016
--	--	--	--	--	V00506010006: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	V00506010008: Rock Check Dam	BCM	4/29/2011	12/22/2010

**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. The sampler was shut down for the winter on 11/17/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: V005	Site Monitoring Area No. CDV-SMA-1.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V00506010009: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	V00506010010: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	V00506010013: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	V00506010014: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	V00506010019: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506010020: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506010022: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506010029: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506010030: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506010031: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506020023: Log Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V00506040038: Energy Dissipater	CA	-	7/7/2016
-	-	-	-	-	V00507010037: Gabion	CA	-	7/7/2016
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**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. The sampler was shut down for the winter on 11/17/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V006	Site Monitoring Area No. CDV-SMA-2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	V00602040013: Established Vegetation	BCM	-	5/16/2013
-	-	-	--	-	V00603010006: Earthen Berm	BCM	4/29/2011	4/26/2011
-	-	-	--	-	V00603010007: Earthen Berm	BCM	4/29/2011	4/26/2011
-	-	-	-	-	V00603010008: Earthen Berm	BCM	4/29/2011	4/26/2011
-	-	-	--	-	V00603010009: Earthen Berm	BCM	4/29/2011	4/26/2011
-	-	-	-	-	V00603010010: Earthen Berm	BCM	4/29/2011	4/26/2011
-	-	-	--	-	V00604060003: Rip Rap	BCM	4/29/2011	4/26/2011
-	-	-	--	-	V00606010002: Rock Check Dam	BCM	4/29/2011	4/26/2011
-	-	-	-	-	V00608020012: Rock Cap	BCM	4/29/2011	4/26/2011
-	-	-	--	-	-	-	--	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V007	Site Monitoring Area No. CDV-SMA-2.3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V00702040021: Established Vegetation	BCM	-	5/3/2013
-	-	-	-	-	V00703010027: Earthen Berm	BCM	-	10/24/2014
-	-	-	-	-	V00703060028: Straw Wattle	BCM	-	10/24/2014
-	-	-	-	-	V00703060030: Straw Wattle	CA	-	8/11/2015
-	-	-	-	-	V00703060031: Straw Wattle	CA	-	7/27/2015
-	-	-	-	-	V00703120026: Rock Berm	BCM	-	10/24/2014
-	-	-	-	-	V00706010019: Rock Check Dam	BCM	-	10/14/2011
-	-	-	-	-	V00706010020: Rock Check Dam	BCM	-	10/14/2011
-	-	-	-	-	V00706010024: Rock Check Dam	BCM	-	6/25/2014
-	-	-	-	-	V00706010025: Rock Check Dam	BCM	-	6/25/2014
-	-	-	-	-	V00707010002: Gabions	BCM	4/29/2011	12/15/2010
-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 02/26/2016.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V008	Site Monitoring Area No. CDV-SMA-2.41	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	V00802040015: Established Vegetation	BCM	-	5/3/2013
-	--	-	-	--	V00803010013: Earthen Berm	CA	7/27/2014	6/27/2014
-	-	--	-	-	V00804010014: Earthen Channel/Swale	CA	7/27/2014	6/27/2014
-	--	-	--	-	V00804040011: Culvert	BCM	4/29/2011	12/15/2010
-	-	--	-	-	V00804060010: Rip Rap	BCM	4/29/2011	12/15/2010
-	--	-	-	--	V00806010012: Rock Check Dam	CA	7/27/2014	6/27/2014
--	-	-	-	-	-	--	-	-
-	--	-	-	--	-	-	--	-
-	-	--	-	-	-	--	-	-
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-	-	--	-	-	-	--	-	-
-	-	--	-	-	-	--	-	-
-	-	--	-	-	-	--	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V008A	Site Monitoring Area No. CDV-SMA-2.42	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	3470	ug/L	MTAL	V008A01030022: Hydromulch	CA	10/28/2015	9/28/2015
Aluminum, F	N	340	ug/L	D	V008A02040020: Established Vegetation	BCM	--	5/3/2013
Antimony, F	N	< 1	ug/L	ND	V008A03010021: Earthen Berm	CA	10/28/2015	9/28/2015
Antimony, F	N	< 1	ug/L	ND	V008A03010024: Earthen Berm	CA	10/28/2015	9/28/2015
Arsenic, F	N	< 2	ug/L	ND	V008A04040023: Culvert	CA	10/28/2015	9/28/2015
Arsenic, F	N	< 2	ug/L	ND	V008A04050025: Water Bar	CA	--	8/28/2015
Boron, F	N	18.2	ug/L	D	V008A04060002: Rip Rap	BCM	4/29/2011	12/15/2010
Boron, F	N	< 15	ug/L	ND	V008A04060005: Rip Rap	BCM	4/29/2011	12/15/2010
Cadmium, F	N	< 0.3	ug/L	ND	V008A04060018: Rip Rap	BCM	--	10/14/2011
Cadmium, F	N	< 0.3	ug/L	ND	V008A04060019: Rip Rap	BCM	--	10/14/2011
Chromium, F	N	< 3	ug/L	ND	V008A06010004: Rock Check Dam	BCM	4/29/2011	12/15/2010
Chromium, F	N	< 3	ug/L	ND	V008A06010017: Rock Check Dam	BCM	--	9/12/2011
Cobalt, F	N	< 1	ug/L	ND	V008A07010003: Gabions	BCM	4/29/2011	12/15/2010
Cobalt, F	N	< 1	ug/L	ND	--	--	--	--
Copper, F	Y	5.54	ug/L	MTAL	--	--	--	--
Copper, F	N	1.23	ug/L	D	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. Insufficient volume was collected on 06/06/2017. The sample was not retrieved. Reset at inspection on 06/12/2017 (inoperable 6 d). A corrective action monitoring sample was collected on 06/25/2017. The sampler was reactivated for corrective action monitoring on 07/10/2017 (inoperable 15 d). The sampler was shut down on 10/05/2017 after collection of a second corrective action sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V008A	Site Monitoring Area No. CDV-SMA-2.42	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	0.00434	mg/L	D	--	--	--	--
Cyanide, weak acid dissociable, UF	N	0.00434	mg/L	D	--	--	--	--
Gross alpha, UF	Y	136	pCi/L	ATAL	--	--	--	--
Gross alpha, UF	Y	29.2	pCi/L	ATAL	--	--	--	--
Lead, F	N	3.12	ug/L	D	--	--	--	--
Lead, F	N	< 0.5	ug/L	ND	--	--	--	--
Mercury, UF	N	0.119	ug/L	D	--	--	--	--
Mercury, UF	N	0.119	ug/L	D	--	--	--	--
Mercury, UF	N	0.076	ug/L	D	--	--	--	--
Mercury, UF	N	0.076	ug/L	D	--	--	--	--
Nickel, F	N	1.88	ug/L	D	--	--	--	--
Nickel, F	N	< 0.6	ug/L	ND	--	--	--	--
Radium-226 and Radium-228, UF	N	2.42	pCi/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	1.8	pCi/L	D	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. Insufficient volume was collected on 06/06/2017. The sample was not retrieved. Reset at inspection on 06/12/2017 (inoperable 6 d). A corrective action monitoring sample was collected on 06/25/2017. The sampler was reactivated for corrective action monitoring on 07/10/2017 (inoperable 15 d). The sampler was shut down on 10/05/2017 after collection of a second corrective action sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V008A	Site Monitoring Area No. CDV-SMA-2.42	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	2.99	ug/L	D	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Total PCB, UF	Y	0.0337	ug/L	ATAL	--	--	--	--
Total PCB, UF	Y	0.026	ug/L	ATAL	--	--	--	--
Vanadium, F	N	5.95	ug/L	D	--	--	--	--
Vanadium, F	N	2.1	ug/L	D	--	--	--	--
Zinc, F	N	16.5	ug/L	D	--	--	--	--
Zinc, F	N	< 3.3	ug/L	ND	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/05/2017. Insufficient volume was collected on 06/06/2017. The sample was not retrieved. Reset at inspection on 06/12/2017 (inoperable 6 d). A corrective action monitoring sample was collected on 06/25/2017. The sampler was reactivated for corrective action monitoring on 07/10/2017 (inoperable 15 d). The sampler was shut down on 10/05/2017 after collection of a second corrective action sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V009	Site Monitoring Area No. CDV-SMA-2.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	--	-	V00902040036: Established Vegetation	BCM	-	5/3/2013
-	--	-	-	--	V00903010011: Earthen Berm	BCM	4/29/2011	12/15/2010
--	-	-	-	-	V00903010043: Earthen Berm	BCM	-	10/9/2014
--	-	-	-	-	V00903120034: Rock Berm	BCM	-	11/18/2013
-	-	--	-	--	V00903120035: Rock Berm	BCM	--	11/18/2013
-	--	-	-	--	V00903120038: Rock Berm	BCM	-	10/9/2014
-	-	-	-	-	V00903120039: Rock Berm	BCM	--	10/9/2014
-	--	-	-	--	V00903120040: Rock Berm	BCM	-	10/9/2014
-	-	--	-	--	V00903120041: Rock Berm	BCM	-	10/9/2014
--	-	-	-	-	V00903120042: Rock Berm	BCM	--	10/21/2014
-	-	--	-	--	V00904060005: Rip Rap	BCM	4/29/2011	12/15/2010
-	--	-	-	--	V00904060006: Rip Rap	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V00904060007: Rip Rap	BCM	4/29/2011	12/15/2010
-	-	-	-	--	V00904060009: Rip Rap	BCM	4/29/2011	12/15/2010
-	--	-	-	-	V00906010029: Rock Check Dam	BCM	-	9/19/2011
--	-	-	-	-	V00906010030: Rock Check Dam	BCM	--	9/19/2011

**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 08/29/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V009	Site Monitoring Area No. CDV-SMA-2.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	V00906010031: Rock Check Dam	BCM	-	9/19/2011
-	--	-	-	-	V00906010044: Rock Check Dam	BCM	-	10/9/2014
-	--	-	-	-	V00906010045: Rock Check Dam	BCM	-	10/9/2014
-	--	-	-	-	V00906010046: Rock Check Dam	BCM	-	10/9/2014
-	--	-	-	-	V00906010047: Rock Check Dam	BCM	-	10/9/2014
-	--	-	-	-	V00906010048: Rock Check Dam	BCM	-	10/9/2014
-	--	-	-	-	V00906010049: Rock Check Dam	BCM	-	10/21/2014
-	--	-	-	-	V00906010050: Rock Check Dam	BCM	-	10/21/2014
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 08/29/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V009A	Site Monitoring Area No. CDV-SMA-2.51	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V009A02040029: Established Vegetation	BCM	-	5/3/2013
-	-	-	-	-	V009A03020005: Base Course Berm	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A03020012: Base Course Berm	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A03060030: Straw Wattle	BCM	-	11/22/2013
-	-	-	-	-	V009A03060031: Straw Wattle	BCM	-	11/22/2013
-	-	-	-	-	V009A06010003: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06010004: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06010006: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06010013: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06010014: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06010015: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06010016: Rock Check Dam	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V009A06030017: Juniper Bales	BCM	4/29/2011	12/15/2010
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: V010	Site Monitoring Area No. CDV-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V01002040013: Established Vegetation	BCM	-	4/29/2013
-	-	-	-	-	V01003010010: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	V01003010011: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	V01003120005: Rock Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	-	V01003120009: Rock Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	-	V01006010004: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/30/2017. The sampler was shut down for the winter on 11/09/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V011	Site Monitoring Area No. CDV-SMA-4	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V01102040010: Established Vegetation	BCM	-	10/27/2015
-	-	-	-	-	V01103010008: Earthen Berm	BCM	-	8/27/2013
-	-	-	-	-	V01104060007: Rip Rap	BCM	-	8/27/2013
-	-	-	-	-	V01104060011: Rip Rap	BCM	-	11/14/2015
-	-	-	-	-	V01106010009: Rock Check Dam	BCM	-	8/27/2013
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for the winter on 11/09/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V012	Site Monitoring Area No. CDV-SMA-6.01	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V01202040013: Established Vegetation	BCM	-	4/29/2013
-	-	-	-	-	V01203010016: Earthen Berm	BCM	-	9/9/2013
-	-	-	-	-	V01203010017: Earthen Berm	CA	11/14/2015	10/15/2015
-	-	-	-	-	V01203010018: Earthen Berm	CA	11/14/2015	10/15/2015
-	-	-	-	-	V01203020003: Base Course Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	-	V01206010022: Rock Check Dam	CA	-	11/2/2015
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 06/01/2017. The sampler was shut down for the winter on 11/09/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V012A	Site Monitoring Area No. CDV-SMA-6.02	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V012A01010005: Seed and Wood Mulch	CA	8/17/2012	7/18/2012
-	-	-	-	-	V012A03010004: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	V012A03010006: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	V012A03060008: Straw Wattle	CA	-	11/2/2015
-	-	-	-	-	V012A03140009: Coir Log	CA	-	11/2/2015
-	-	-	-	-	V012A03140010: Coir Log	CA	-	7/25/2017
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 06/01/2017. The sampler attempted but was unable to collect a sample on 08/12/2017 at 07:36. Reset at inspection on 08/15/2017 (inoperable 3 d). The sampler attempted but was unable to collect a sample on 09/24/2017 at 05:35. Reset at inspection on 09/25/2017 (inoperable 1 d). The sampler attempted but was unable to collect a sample on 09/27/2017 at 08:42. Reset at inspection on 10/2/2017 (inoperable 5 d). The sampler was shut down for the winter on 11/09/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V013	Site Monitoring Area No. CDV-SMA-7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V01302040008: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	V01303010006: Earthen Berm	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V01303010007: Earthen Berm	BCM	4/29/2011	12/15/2010
-	-	-	-	-	V01303140010: Coir Log	CA	10/4/2015	9/4/2015
-	-	-	-	-	V01303140011: Coir Log	CA	10/4/2015	9/4/2015
-	-	-	-	-	V01303140013: Coir Log	CA	10/4/2015	9/4/2015
-	-	-	-	-	V01303140020: Coir Log	CA	-	6/29/2017
-	-	-	-	-	V01304010015: Earthen Channel/Swale	CA	10/4/2015	9/4/2015
-	-	-	-	-	V01304040009: Culvert	CA	-	9/24/2014
-	-	-	-	-	V01306010014: Rock Check Dam	CA	10/4/2015	9/4/2015
-	-	-	-	-	V01306010016: Rock Check Dam	CA	10/4/2015	10/13/2015
-	-	-	-	-	V01306010017: Rock Check Dam	CA	-	10/13/2015
-	-	-	-	-	V01306010018: Rock Check Dam	CA	-	10/13/2015
-	-	-	-	-	V01306010019: Rock Check Dam	CA	-	10/13/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/15/2017. The sampler was found to be off due to dead battery on 07/21/2017. The sampler was last known to be operable at the prior inspection on 06/27/2017 (inoperable up to 24 d). The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <i>January 01, 2017 - December 31, 2017</i>		
Permitted Feature No.: V014	Site Monitoring Area No. CDV-SMA-8	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	V01402040009: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	V01403010008: Earthen Berm	BCM	-	11/14/2011
-	-	-	-	-	V01403010012: Earthen Berm	BCM	-	12/17/2013
-	-	-	-	-	V01406010003: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	V01406010010: Rock Check Dam	BCM	-	12/17/2013
-	-	-	-	-	V01406010011: Rock Check Dam	BCM	-	12/17/2013
-	-	-	-	-	V01406010013: Rock Check Dam	BCM	-	9/3/2014
-	-	-	-	-	V01406010014: Rock Check Dam	BCM	-	9/3/2014
-	-	-	-	-	V01406010015: Rock Check Dam	BCM	-	9/3/2014
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V015	Site Monitoring Area No. CDV-SMA-8.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	V01502040006: Established Vegetation	BCM	--	4/3/2013
--	-	-	-	--	V01503010005: Earthen Berm	BCM	4/29/2011	12/15/2010
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/15/2017. The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: V016	Site Monitoring Area No. CDV-SMA-9.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	--	V01602040005: Established Vegetation	BCM	-	4/3/2013
-	-	--	-	-	V01603010002: Earthen Berm	BCM	4/29/2011	12/22/2010
-	-	-	-	-	V01603010003: Earthen Berm	BCM	4/29/2011	12/22/2010
-	-	--	-	-	V01603010004: Earthen Berm	BCM	4/29/2011	12/22/2010
-	--	-	--	-	V01603140006: Coir Log	BCM	-	8/5/2015
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/13/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q001	Site Monitoring Area No. CHQ-SMA-0.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	Q00102040008: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	Q00103010010: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00103010011: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00103140009: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	--	-	Q00104050006: Water Bar	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00104050007: Water Bar	BCM	4/29/2011	1/12/2011
-	-	-	--	-	Q00106010003: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00106010004: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00106010005: Rock Check Dam	BCM	4/29/2011	1/12/2011
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**Comments:** The sampler was activated for corrective action monitoring on 05/10/2017. The sampler was shut down for the winter on 11/08/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q002	Site Monitoring Area No. CHQ-SMA-1.01	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	Q00202040008: Established Vegetation	BCM	--	5/6/2013
--	--	--	--	--	Q00203060009: Straw Wattle	BCM	--	11/22/2013
--	--	--	--	--	Q00203060011: Straw Wattle	BCM	--	11/22/2013
--	--	--	--	--	Q00203060012: Straw Wattle	BCM	--	10/16/2014
--	--	--	--	--	Q00203060013: Straw Wattle	BCM	--	10/16/2014
--	--	--	--	--	Q00203060014: Straw Wattle	BCM	10/4/2015	5/29/2015
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**Comments:** The sampler was activated for baseline monitoring on 05/10/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q002A	Site Monitoring Area No. CHQ-SMA-1.02	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	-	-	Q002A03010010: Earthen Berm	CA	11/22/2012	10/23/2012
--	-	-	-	-	Q002A03010011: Earthen Berm	CA	11/22/2012	10/23/2012
--	-	-	-	-	Q002A03010012: Earthen Berm	CA	11/22/2012	10/23/2012
--	-	-	-	-	Q002A03010013: Earthen Berm	CA	11/22/2012	10/23/2012
--	-	-	-	-	Q002A03150014: Redi-Rock Berm	CA	10/4/2015	9/4/2015
--	-	-	-	-	Q002A06010002: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	-	-	Q002A06010003: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	-	-	Q002A06010007: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	-	-	Q002A06010009: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	-	-	Q002A08030004: Concrete/Asphalt Cap	BCM	4/29/2011	1/12/2011
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**Comments:** The sampler was activated for corrective action monitoring on 05/10/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q002B	Site Monitoring Area No. CHQ-SMA-1.03	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	Q002B02040012: Established Vegetation	BCM	-	5/6/2013
-	-	-	-	-	Q002B03150013: Redi-Rock Berm	CA	6/12/2014	5/13/2014
-	-	-	--	-	Q002B04060006: Rip Rap	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q002B04060007: Rip Rap	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q002B04060010: Rip Rap	BCM	4/29/2011	1/12/2011
-	-	-	--	-	Q002B06010004: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q002B06010008: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q002B06010011: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	--	-	Q002B08030003: Concrete/Asphalt Cap	BCM	4/29/2011	1/12/2011
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**Comments:** The sampler was activated for corrective action monitoring on 05/10/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q003	Site Monitoring Area No. CHQ-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	Q00302040023: Established Vegetation	BCM	-	5/9/2013
-	-	-	--	-	Q00303010030: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303020028: Base Course Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303020029: Base Course Berm	CA	11/27/2015	10/28/2015
-	-	-	--	-	Q00303020053: Base Course Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303020054: Base Course Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303040015: Asphalt Berm	BCM	4/29/2011	1/12/2011
-	-	-	--	-	Q00303140031: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303140032: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303140033: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00303140034: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	--	-	Q00306010035: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00306010036: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00306010037: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	--	-	Q00306010038: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00306010039: Rock Check Dam	CA	11/27/2015	10/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/10/2017. The sampler was shut down for the winter on 11/08/2017.


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		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q003	Site Monitoring Area No. CHQ-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	Q00306010040: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	Q00306010041: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	--	-	Q00306010042: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	--	-	Q00306010043: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	--	Q00306010044: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	--	-	-	Q00306010045: Rock Check Dam	CA	11/27/2015	10/28/2015
-	--	-	-	--	Q00306010046: Rock Check Dam	CA	11/27/2015	10/28/2015
--	-	-	--	-	Q00306010047: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	--	-	-	Q00306010048: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	--	Q00306010049: Rock Check Dam	CA	-	10/8/2015
-	-	-	-	-	Q00306010050: Rock Check Dam	CA	11/27/2015	10/28/2015
--	-	-	--	-	Q00306010051: Rock Check Dam	CA	11/27/2015	10/28/2015
-	--	-	-	--	Q00306010052: Rock Check Dam	CA	11/27/2015	10/28/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/10/2017. The sampler was shut down for the winter on 11/08/2017.


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Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q004	Site Monitoring Area No. CHQ-SMA-3.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	Q00402040009: Established Vegetation	BCM	--	5/9/2013
--	--	--	--	--	Q00403010015: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	Q00403060002: Straw Wattle	BCM	4/29/2011	1/12/2011
--	--	--	--	--	Q00403120014: Rock Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	Q00403140010: Coir Log	CA	9/9/2015	8/10/2015
--	--	--	--	--	Q00403140011: Coir Log	CA	9/9/2015	8/10/2015
--	--	--	--	--	Q00403140012: Coir Log	CA	9/9/2015	8/10/2015
--	--	--	--	--	Q00403140013: Coir Log	CA	9/9/2015	8/10/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/10/2017. The sampler was shut down for the winter on 11/07/2017.


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Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q005	Site Monitoring Area No. CHQ-SMA-4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	Q00502040019: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	Q00503010020: Earthen Berm	BCM	-	11/13/2013
-	-	-	-	-	Q00503060006: Straw Wattle	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00503140021: Coir Log	CA	-	11/25/2015
-	-	-	-	-	Q00503140022: Coir Log	CA	-	11/25/2015
-	-	-	-	-	Q00506010003: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00506010004: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00506010005: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/15/2017. The sampler was shut down for the winter on 11/08/2017.


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			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q006	Site Monitoring Area No. CHQ-SMA-4.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	Q00602040008: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	Q00603060009: Straw Wattle	CA	-	10/20/2014
-	--	-	--	-	Q00603060010: Straw Wattle	CA	-	10/20/2014
-	-	-	-	-	Q00606010002: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	--	-	--	-	Q00606010003: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q007	Site Monitoring Area No. CHQ-SMA-4.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	--	-	--	Q00702040010: Established Vegetation	BCM	--	5/6/2013
-	-	-	-	-	Q00703010009: Earthen Berm	BCM	-	7/18/2011
-	-	-	-	--	Q00703060014: Straw Wattle	BCM	--	8/13/2013
-	-	-	--	-	Q00703140017: Coir Log	CA	-	9/25/2014
-	-	-	-	--	Q00703140018: Coir Log	CA	-	9/25/2014
--	-	-	--	-	Q00703140019: Coir Log	CA	-	9/25/2014
--	-	-	--	-	Q00706010002: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	--	-	Q00706010003: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


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	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q008	Site Monitoring Area No. CHQ-SMA-5.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	Q00802040008: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	Q00803020006: Base Course Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	Q00804060002: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	Q00804060005: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	-	-	-	Q00804060007: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	Q00806010003: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/15/2017. The sampler was shut down for the winter on 11/08/2017.


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	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q009	Site Monitoring Area No. CHQ-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	Q00902040036: Established Vegetation	BCM	-	5/9/2013
-	--	-	--	-	Q00903010017: Earthen Berm	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00903010041: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	Q00903060035: Straw Wattle	BCM	-	10/1/2012
-	-	-	--	-	Q00903060040: Straw Wattle	CA	-	10/20/2014
-	-	-	-	-	Q00903120030: Rock Berm	BCM	--	10/17/2011
-	--	-	--	-	Q00903120031: Rock Berm	BCM	-	10/17/2011
-	-	-	-	--	Q00903120032: Rock Berm	BCM	-	10/17/2011
-	-	-	--	-	Q00903150043: Redi-Rock Berm	CA	9/9/2015	8/10/2015
-	--	-	-	-	Q00906010001: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	--	-	-	--	Q00906010007: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	-	-	Q00906010008: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	--	-	-	-	Q00906010011: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010018: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	--	-	--	-	Q00906010021: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010022: Rock Check Dam	BCM	4/29/2011	1/12/2011

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	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: Q009	Site Monitoring Area No. CHQ-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	Q00906010023: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010024: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010025: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010026: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010027: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	Q00906010037: Rock Check Dam	BCM	-	5/8/2014
-	-	-	-	-	Q00906010038: Rock Check Dam	BCM	-	5/8/2014
-	-	-	-	-	Q00906010039: Rock Check Dam	BCM	-	5/8/2014
-	-	-	-	-	Q00906010042: Rock Check Dam	CA	9/9/2015	8/10/2015
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/15/2017. The sampler was shut down for the winter on 11/08/2017.

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Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: D001	Site Monitoring Area No. DP-SMA-0.3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	D00102040025: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	D00104010026: Earthen Channel/Swale	BCM	--	7/21/2017
--	--	--	--	--	D00106010018: Rock Check Dam	CA	8/7/2013	7/8/2013
--	--	--	--	--	D00106010019: Rock Check Dam	CA	8/7/2013	7/8/2013
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 06/15/2015 for all associated Sites and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: D002	Site Monitoring Area No. DP-SMA-0.4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	D00202040009: Established Vegetation	BCM	-	4/17/2013
-	-	-	-	-	D00203060008: Straw Wattle	BCM	-	10/24/2012
-	-	-	-	-	D00203060010: Straw Wattle	CA	-	8/5/2015
-	-	-	-	-	D00204040003: Culvert	BCM	4/29/2011	12/7/2010
-	-	-	-	-	D00204060006: Rip Rap	BCM	4/29/2011	12/7/2010
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: D003	Site Monitoring Area No. DP-SMA-0.6	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	D00302040015: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	D00303010013: Earthen Berm	BCM	4/29/2011	3/29/2011
--	--	--	--	--	D00303010014: Earthen Berm	BCM	4/29/2011	3/29/2011
--	--	--	--	--	D00303020011: Base Course Berm	BCM	4/29/2011	3/29/2011
--	--	--	--	--	D00304010004: Earthen Channel/Swale	BCM	4/29/2011	3/29/2011
--	--	--	--	--	D00305020010: Sediment Basin	BCM	4/29/2011	3/29/2011
--	--	--	--	--	D00308020012: Rock Cap	BCM	4/29/2011	3/29/2011
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**Comments:** The sampler was activated for baseline monitoring on 05/05/2017. The sampler was shut down for the winter on 11/08/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: D004	Site Monitoring Area No. DP-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	D00402040015: Established Vegetation	BCM	-	4/17/2013
-	--	-	-	-	D00403010002: Earthen Berm	BCM	4/29/2011	12/7/2010
-	--	-	--	-	D00403010011: Earthen Berm	BCM	--	5/18/2011
-	--	-	--	-	D00403010017: Earthen Berm	CA	--	2/8/2017
--	-	--	-	--	D00403020014: Base Course Berm	BCM	-	8/4/2011
-	-	-	--	--	D00403060013: Straw Wattle	BCM	-	8/8/2011
-	--	-	-	-	D00403120009: Rock Berm	BCM	4/29/2011	12/7/2010
-	-	-	-	--	D00403120012: Rock Berm	BCM	-	5/18/2011
-	-	-	--	-	D00404060016: Rip Rap	BCM	-	5/1/2014
-	-	--	-	--	D00406030006: Juniper Bales	BCM	4/29/2011	12/7/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/08/2017. The sampler was shut down for the winter on 11/08/2017.

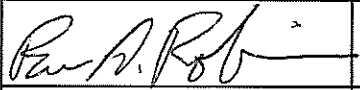
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: D005	Site Monitoring Area No. DP-SMA-2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	D00502040012: Established Vegetation	BCM	-	4/17/2013
-	-	-	-	-	D00503010011: Earthen Berm	BCM	-	5/18/2011
-	-	-	-	-	D00503020003: Base Course Berm	BCM	12/1/2010	11/1/2010
-	-	-	-	-	D00506030007: Juniper Bales	BCM	12/1/2010	11/1/2010
-	-	-	-	-	D00506030009: Juniper Bales	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/05/2017. The sampler was shut down for the winter on 11/08/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: D006	Site Monitoring Area No. DP-SMA-2.35	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	D00602040007: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	D00603020002: Base Course Berm	BCM	4/29/2011	12/7/2010
--	--	--	--	--	D00604060004: Rip Rap	BCM	4/29/2011	12/7/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: D007	Site Monitoring Area No. DP-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	D00702040023: Established Vegetation	BCM	-	4/17/2013
-	--	-	-	--	D00703010016: Earthen Berm	CA	9/29/2012	8/30/2012
-	-	-	--	-	D00703010017: Earthen Berm	CA	9/29/2012	8/30/2012
-	--	-	-	--	D00703010018: Earthen Berm	CA	9/29/2012	8/30/2012
-	-	--	-	-	D00703010019: Earthen Berm	CA	9/29/2012	8/30/2012
--	-	-	--	-	D00703010020: Earthen Berm	CA	9/29/2012	8/30/2012
-	--	-	-	--	D00703010021: Earthen Berm	CA	9/29/2012	8/30/2012
--	-	-	--	-	D00703010022: Earthen Berm	CA	9/29/2012	8/30/2012
-	-	--	-	--	D00703120015: Rock Berm	BCM	4/29/2011	1/12/2011
-	--	-	-	--	D00706010008: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	--	-	D00706010009: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	--	-	--	D00706010010: Rock Check Dam	BCM	4/29/2011	1/12/2011
--	-	-	-	-	D00706010011: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	--	-	-	-	D00706010012: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/08/2017. The sampler was shut down for the winter on 11/08/2017.

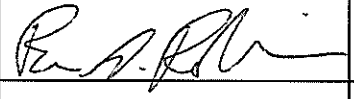
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: D008	Site Monitoring Area No. DP-SMA-4	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	D00802040009: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	D00803010007: Earthen Berm	BCM	4/29/2011	12/7/2010
--	--	--	--	--	D00803100010: Gravel Bags	BCM	--	8/1/2016
--	--	--	--	--	D00803100011: Gravel Bags	BCM	--	8/1/2016
--	--	--	--	--	D00806010008: Rock Check Dam	BCM	--	9/13/2011
--	--	--	--	--	D00808020012: Rock Cap	BCM	--	8/1/2016
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**Comments:** The sampler was activated for baseline monitoring on 05/08/2017. The sampler was shut down for the winter on 11/08/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: F001	Site Monitoring Area No. F-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	--	-	--	F00102040018: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	F00103010017: Earthen Berm	BCM	-	9/18/2012
--	-	--	-	--	F00103010024: Earthen Berm	CA	-	8/21/2015
-	-	-	-	-	F00103010025: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010026: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010027: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010028: Earthen Berm	CA	10/28/2015	9/28/2015
--	-	--	-	--	F00103010029: Earthen Berm	CA	10/28/2015	9/28/2015
--	-	--	-	--	F00103010030: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010031: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010035: Earthen Berm	CA	-	8/21/2015
--	-	--	-	--	F00103010036: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010037: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010039: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010040: Earthen Berm	CA	10/28/2015	9/28/2015
--	-	--	-	--	F00103010041: Earthen Berm	CA	10/28/2015	9/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler was found to be off on 08/02/2017 due to a power failure recorded on 07/30/2017 (inoperable 3 d). The sampler attempted but was unable to collect a sample on 09/29/2017 at 03:31. Reset at inspection on 09/29/2017 (inoperable 0 d). The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: F001	Site Monitoring Area No. F-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	F00103010042: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010043: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103010044: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103120021: Rock Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00103120023: Rock Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00104010001: Earthen Channel/Swale	BCM	4/29/2011	12/22/2010
-	-	-	-	-	F00104010038: Earthen Channel/Swale	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00104050033: Water Bar	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00104060034: Rip Rap	CA	10/28/2015	9/28/2015
-	-	-	-	-	F00105060022: Infiltration Basin	CA	10/28/2015	9/28/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler was found to be off on 08/02/2017 due to a power failure recorded on 07/30/2017 (inoperable 3 d). The sampler attempted but was unable to collect a sample on 09/29/2017 at 03:31. Reset at inspection on 09/29/2017 (inoperable 0 d). The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L001	Site Monitoring Area No. LA-SMA-0.85	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L00102040009: Established Vegetation	BCM	-	5/9/2013
-	--	-	-	--	L00103010008: Earthen Berm	CA	11/22/2012	10/23/2012
-	--	-	-	--	L00103090006: Curbing	BCM	12/1/2010	11/1/2010
-	--	--	-	-	L00106010010: Rock Check Dam	CA	-	10/23/2015
-	--	-	--	--	L00107010004: Gabions	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L002	Site Monitoring Area No. LA-SMA-0.9	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	L00202040020: Established Vegetation	BCM	-	5/16/2013
-	-	-	-	-	L00203010023: Earthen Berm	BCM	-	6/4/2014
-	-	-	-	-	L00203010024: Earthen Berm	BCM	-	6/4/2014
-	-	-	-	-	L00203010027: Earthen Berm	BCM	-	10/23/2014
-	-	-	-	-	L00203090002: Curbing	BCM	4/29/2011	12/9/2010
-	-	-	-	-	L00203090003: Curbing	BCM	4/29/2011	12/9/2010
-	-	-	-	-	L00204040004: Culvert	BCM	4/29/2011	12/9/2010
-	-	-	-	-	L00204040026: Culvert	BCM	-	10/23/2014
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L003	Site Monitoring Area No. LA-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	248	ug/L	D	L00302040025: Established Vegetation	BCM	-	5/9/2013
Antimony, F	N	1.14	ug/L	D	L00303010019: Earthen Berm	CA	12/27/2012	11/27/2012
Arsenic, F	N	< 2	ug/L	ND	L00303100015: Gravel Bags	BCM	--	5/15/2012
Boron, F	N	34.4	ug/L	D	L00303120018: Rock Berm	BCM	-	8/2/2012
Cadmium, F	N	< 0.3	ug/L	ND	L00303120027: Rock Berm	CA	-	6/30/2015
Chromium, F	N	< 3	ug/L	ND	L00304020005: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	12/9/2010
Cobalt, F	N	< 1	ug/L	ND	L00304030020: Rock Channel/Swale	CA	12/27/2012	11/27/2012
Copper, F	N	3.03	ug/L	D	L00304040004: Culvert	BCM	4/29/2011	12/9/2010
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	L00304040021: Culvert	CA	12/27/2012	11/27/2012
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	L00304060022: Rip Rap	CA	12/27/2012	11/27/2012
Gross alpha, UF	Y	31.1	pCi/L	ATAL	L00304060023: Rip Rap	BCM	--	10/31/2012
Lead, F	N	< 0.5	ug/L	ND	L00304060024: Rip Rap	BCM	-	10/31/2012
Mercury, UF	N	< 0.067	ug/L	ND	-	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	-	--	--	--
Nickel, F	N	1.49	ug/L	D	-	--	-	-
Radium-226 and Radium-228, UF	N	5.26	pCi/L	D	-	-	-	--

**Comments:** The sampler was activated for monitoring on 05/17/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The required sample was collected on 07/26/2017. The sampler was shut down on 08/07/2017 at sample retrieval. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND-Not detected, method detection limit is less than the TAL or MQL values.

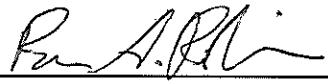
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L003	Site Monitoring Area No. LA-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Total PCB, UF	Y	0.0232	ug/L	ATAL	--	--	--	--
Vanadium, F	N	6.41	ug/L	D	--	--	--	--
Zinc, F	N	< 3.3	ug/L	ND	--	--	--	--
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**Comments:** The sampler was activated for monitoring on 05/17/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The required sample was collected on 07/26/2017. The sampler was shut down on 08/07/2017 at sample retrieval. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L004	Site Monitoring Area No. LA-SMA-1.1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	L00402040007: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	L00404060003: Rip Rap	BCM	4/29/2011	12/8/2010
-	-	-	-	-	L00404060005: Rip Rap	BCM	-	9/29/2011
-	-	-	-	-	L00406010004: Rock Check Dam	BCM	4/29/2011	12/8/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 11/29/2012 with certification of completion of corrective action under E.2(d).

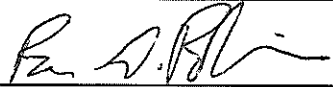
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L005	Site Monitoring Area No. LA-SMA-1.25	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	L00502040008: Established Vegetation	BCM	-	5/9/2013
-	--	-	--	-	L00503010007: Earthen Berm	CA	9/29/2012	8/30/2012
-	-	--	-	--	L00503020001: Base Course Berm	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L030	Site Monitoring Area No. LA-SMA-10.11	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)->Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L03004060003: Rip Rap	BCM	4/29/2011	12/8/2010
--	--	--	--	--	L03004060009: Rip Rap	BCM	4/29/2011	12/8/2010
--	--	--	--	--	L03006010001: Rock Check Dam	BCM	4/29/2011	12/8/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L030A	Site Monitoring Area No. LA-SMA-10.12	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	L030A02040032: Established Vegetation	BCM	-	4/26/2013
--	-	--	-	--	L030A03010025: Earthen Berm	BCM	-	8/15/2011
--	-	--	-	--	L030A03010026: Earthen Berm	CA	12/30/2012	11/30/2012
-	--	-	--	-	L030A03010027: Earthen Berm	CA	12/30/2012	11/30/2012
-	--	-	--	-	L030A03060028: Straw Wattle	CA	12/30/2012	11/30/2012
-	--	-	--	-	L030A03060034: Straw Wattle	CA	-	8/16/2016
-	-	--	-	--	L030A03060035: Straw Wattle	CA	-	8/16/2016
-	-	-	--	-	L030A03060036: Straw Wattle	CA	-	8/16/2016
--	-	--	-	--	L030A03120005: Rock Berm	BCM	4/29/2011	4/26/2011
-	--	-	-	--	L030A03120006: Rock Berm	BCM	4/29/2011	4/26/2011
--	-	-	-	-	L030A03120009: Rock Berm	BCM	4/29/2011	4/26/2011
-	--	-	-	--	L030A03120012: Rock Berm	BCM	4/29/2011	4/26/2011
--	-	-	-	-	L030A03120015: Rock Berm	BCM	4/29/2011	4/26/2011
-	--	-	--	-	L030A03120016: Rock Berm	BCM	4/29/2011	4/26/2011
-	-	--	-	-	L030A03120017: Rock Berm	BCM	4/29/2011	4/26/2011
-	-	-	--	-	L030A03120019: Rock Berm	BCM	4/29/2011	4/26/2011

**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 03/04/2016 with certification of completion of corrective action under E.2(a).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L030A	Site Monitoring Area No. LA-SMA-10.12	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	L030A03120020: Rock Berm	BCM	4/29/2011	4/26/2011
--	-	--	-	-	L030A03120021: Rock Berm	BCM	4/29/2011	4/26/2011
-	--	-	-	-	L030A03120030: Rock Berm	CA	12/30/2012	11/30/2012
--	-	--	-	-	L030A04060007: Rip Rap	BCM	4/29/2011	4/26/2011
-	-	-	-	--	L030A06010001: Rock Check Dam	BCM	4/29/2011	4/26/2011
-	-	-	--	-	L030A06010002: Rock Check Dam	BCM	4/29/2011	4/26/2011
-	--	-	-	--	L030A06010003: Rock Check Dam	BCM	4/29/2011	4/26/2011
--	-	-	-	-	L030A06010008: Rock Check Dam	BCM	4/29/2011	4/26/2011
-	--	-	-	--	L030A06010011: Rock Check Dam	BCM	4/29/2011	4/26/2011
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 03/04/2016 with certification of completion of corrective action under E.2(a).

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L006	Site Monitoring Area No. LA-SMA-2.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L00601060009: Erosion Control Blanket	BCM	--	6/5/2012
--	--	--	--	--	L00601060015: Erosion Control Blanket	CA	10/25/2014	9/25/2014
--	--	--	--	--	L00602030017: Permanent Vegetation Vegetative Buffer Strip	CA	10/25/2014	9/25/2014
--	--	--	--	--	L00602040011: Established Vegetation	BCM	--	5/13/2013
--	--	--	--	--	L00603080002: Retaining Wall	BCM	4/29/2011	4/26/2011
--	--	--	--	--	L00603140014: Coir Log	CA	10/25/2014	9/25/2014
--	--	--	--	--	L00604010010: Earthen Channel/Swale	BCM	--	10/19/2012
--	--	--	--	--	L00604040018: Culvert	CA	--	9/15/2016
--	--	--	--	--	L00604060006: Rip Rap	BCM	4/29/2011	4/26/2011
--	--	--	--	--	L00605020016: Sediment Basin	CA	10/25/2014	9/25/2014
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**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. A corrective action monitoring sample was collected on 07/26/2017. The sampler was shut down on 08/07/2017 at sample retrieval. The sampler was reactivated for corrective action monitoring at a new location on 08/10/2017 (inoperable 3 d). The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L007	Site Monitoring Area No. LA-SMA-2.3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L00702040006: Established Vegetation	BCM	--	5/13/2013
--	--	--	--	--	L00703060009: Straw Wattle	CA	--	8/22/2016
--	--	--	--	--	L00703080002: Retaining Wall	BCM	4/29/2011	12/8/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 11/29/2012 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L008	Site Monitoring Area No. LA-SMA-3.1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L00802040007: Established Vegetation	BCM	--	5/14/2013
--	--	--	--	--	L00803140009: Coir Log	BCM	--	11/19/2015
--	--	--	--	--	L00804040004: Culvert	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/26/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L009	Site Monitoring Area No. LA-SMA-3.9	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L00901060007: Erosion Control Blanket	BCM	--	9/7/2016
--	--	--	--	--	L00902040005: Established Vegetation	BCM	--	5/14/2013
--	--	--	--	--	L00903060006: Straw Wattle	BCM	--	9/7/2016
--	--	--	--	--	L00904040002: Culvert	BCM	4/29/2011	12/8/2010
--	--	--	--	--	L00906020008: Log Check Dam	BCM	--	9/7/2016
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**Comments:** The sampler was activated for baseline monitoring on 05/26/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L010	Site Monitoring Area No. LA-SMA-4.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	L01001060011: Erosion Control Blanket	CA	-	9/7/2016
-	-	-	-	-	L01002040010: Established Vegetation	BCM	-	4/2/2013
-	-	-	-	-	L01003060012: Straw Wall/te	CA	-	9/7/2016
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L011	Site Monitoring Area No. LA-SMA-4.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L01102040008: Established Vegetation	BCM	-	4/2/2013
-	--	-	--	-	L01106010002: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	--	-	--	-	L01106010005: Rock Check Dam	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L012	Site Monitoring Area No. LA-SMA-5.01	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L01202040012: Established Vegetation	BCM	-	4/2/2013
-	-	-	-	-	L01203010004: Earthen Berm	BCM	4/29/2011	12/8/2010
-	-	-	-	-	L01203010007: Earthen Berm	BCM	4/29/2011	12/8/2010
-	--	-	--	-	L01203060013: Straw Wattle	BCM	-	4/21/2014
-	--	-	--	-	L01203060024: Straw Wattle	BCM	--	11/23/2015
-	-	-	-	-	L01203060025: Straw Wattle	BCM	-	11/23/2015
-	--	-	--	-	L01203100023: Gravel Bags	BCM	-	8/4/2015
-	-	-	-	-	L01203120010: Rock Berm	BCM	4/29/2011	12/16/2010
-	-	-	-	-	L01204050008: Water Bar	BCM	4/29/2011	12/16/2010
-	-	-	-	-	L01204060006: Rip Rap	BCM	4/29/2011	12/8/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: L012A	Site Monitoring Area No. LA-SMA-5.02	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	L012A02040012: Established Vegetation	BCM	-	4/2/2013
--	-	-	--	-	L012A03060027: Straw Wattle	BCM	-	7/19/2017
-	-	-	-	-	L012A03090022: Curbing	CA	-	11/3/2014
-	-	--	-	--	L012A03140024: Coir Log	BCM	--	8/23/2017
--	-	-	--	-	L012A03140025: Coir Log	BCM	--	8/23/2017
-	-	--	-	--	L012A03140026: Coir Log	BCM	-	8/23/2017
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 11/29/2012 with certification of completion of corrective action under E.2(d).

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: L013	Site Monitoring Area No. LA-SMA-5.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	--	-	L01302040005: Established Vegetation	BCM	-	5/16/2013
-	-	--	--	-	L01306020007: Log Check Dam	BCM	-	5/29/2013
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler attempted but was unable to collect a sample on 06/26/2017 at 09:47. Reset at inspection on 07/19/2017 (inoperable 23 d). The sampler was shut down for the winter on 11/21/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L015	Site Monitoring Area No. LA-SMA-5.31	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	L01501010015: Seed and Wood Mulch	CA	-	5/16/2013
-	-	-	-	-	L01503010012: Earthen Berm	CA	-	11/27/2012
-	-	-	-	-	L01503120011: Rock Berm	CA	8/26/2012	7/27/2012
-	-	-	-	-	L01504060013: Rip Rap	CA	-	11/27/2012
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/16/2017. The actuator was found to be damaged by a tree on arrival on 10/02/2017. The sampler was last known to be operable at the prior inspection on 09/21/2017 (inoperable up to 11 d). The sampler was shut down for the winter on 11/21/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L016	Site Monitoring Area No. LA-SMA-5.33	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	L01602040014: Established Vegetation	BCM	-	5/14/2013
--	-	--	-	-	L01603010009: Earthen Berm	CA	8/29/2012	7/30/2012
-	-	-	--	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 03/07/2013 with certification of completion of corrective action under E.2(d).

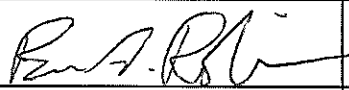
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L014	Site Monitoring Area No. LA-SMA-5.35	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	L01408030010: Concrete/Asphalt Cap	CA	12/27/2012	11/27/2012
--	-	--	-	-	L01408030014: Concrete/Asphalt Cap	CA	12/27/2012	11/27/2012
-	--	-	--	-	L01408040011: Metal Cap	CA	12/27/2012	11/27/2012
-	-	-	-	-	L01408040012: Metal Cap	CA	12/27/2012	11/27/2012
--	-	--	-	-	L01408040013: Metal Cap	CA	12/27/2012	11/27/2012
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 10/20/2014.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L017	Site Monitoring Area No. LA-SMA-5.361	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L01702040010: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	L01703020012: Base Course Berm	BCM	--	6/10/2015
--	--	--	--	--	L01706010009: Rock Check Dam	BCM	--	7/12/2011
--	--	--	--	--	L01708020013: Rock Cap	BCM	--	6/10/2015
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**Comments:** The sampler was activated for baseline monitoring on 05/31/2017. The sampler was found inoperable due to a buried actuator and intake on 07/14/2017. The sampler was last known to be operable at the prior inspection on 06/09/2017 (inoperable up to 35 d). The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L018	Site Monitoring Area No. LA-SMA-5.51	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L01802040009: Established Vegetation	BCM	--	4/11/2013
--	--	--	--	--	L01803010010: Earthen Berm	CA	7/27/2014	6/27/2014
--	--	--	--	--	L01803010011: Earthen Berm	CA	7/27/2014	6/27/2014
--	--	--	--	--	L01803010012: Earthen Berm	CA	7/27/2014	6/27/2014
--	--	--	--	--	L01807010003: Gabions	BCM	4/29/2011	3/29/2011
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**Comments:** The sampler was activated for corrective action monitoring on 05/11/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L018A	Site Monitoring Area No. LA-SMA-5.52	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L018A01060021: Erosion Control Blanket	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A02040007: Established Vegetation	BCM	-	4/11/2013
-	-	-	-	-	L018A03010009: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A03140011: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A03140012: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A03140013: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A03140014: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A03140018: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A03140019: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A04030008: Rock Channel/Swale	CA	-	8/22/2014
-	-	-	-	-	L018A06010010: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	L018A06010020: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/11/2017. The sampler was shut down for the winter on 11/01/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L018C	Site Monitoring Area No. LA-SMA-5.54	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L018C02040033: Established Vegetation	CA	--	11/9/2015
--	--	--	--	--	L018C03010002: Earthen Berm	BCM	4/29/2011	3/29/2011
--	--	--	--	--	L018C03010014: Earthen Berm	CA	10/25/2014	9/25/2014
--	--	--	--	--	L018C03010015: Earthen Berm	CA	10/25/2014	9/25/2014
--	--	--	--	--	L018C03120024: Rock Berm	CA	--	9/11/2014
--	--	--	--	--	L018C03140020: Coir Log	CA	--	8/7/2014
--	--	--	--	--	L018C03140021: Coir Log	CA	--	8/7/2014
--	--	--	--	--	L018C03140022: Coir Log	CA	--	8/7/2014
--	--	--	--	--	L018C03140026: Coir Log	CA	10/25/2014	9/25/2014
--	--	--	--	--	L018C03140028: Coir Log	CA	--	9/17/2014
--	--	--	--	--	L018C03140029: Coir Log	CA	--	9/17/2014
--	--	--	--	--	L018C03140030: Coir Log	CA	--	9/17/2014
--	--	--	--	--	L018C03140031: Coir Log	CA	--	8/17/2015
--	--	--	--	--	L018C04030013: Rock Channel/Swale	CA	10/25/2014	9/25/2014
--	--	--	--	--	L018C04080016: TRM-Lined Swale	CA	--	8/22/2014
--	--	--	--	--	L018C06010017: Rock Check Dam	CA	--	9/10/2014

**Comments:** The sampler was activated for corrective action monitoring on 05/11/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: L018C	Site Monitoring Area No. LA-SMA-5.54	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	L018C06010018: Rock Check Dam	CA	-	9/10/2014
--	-	-	-	-	L018C06010019: Rock Check Dam	CA	-	9/10/2014
-	--	-	-	-	L018C06010023: Rock Check Dam	CA	-	9/10/2014
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**Comments:** The sampler was activated for corrective action monitoring on 05/11/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L019	Site Monitoring Area No. LA-SMA-5.91	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	L01902040010: Established Vegetation	BCM	-	5/14/2013
-	-	--	-	--	L01905020015: Sediment Basin	CA	8/7/2013	7/8/2013
-	-	--	-	--	L01906020013: Log Check Dam	CA	8/7/2013	7/8/2013
-	--	-	-	-	L01906020014: Log Check Dam	CA	8/7/2013	7/8/2013
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 06/18/2015 for site 21-029 and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L019A	Site Monitoring Area No. LA-SMA-5.92	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)-Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L019A02040007: Established Vegetation	BCM	--	5/14/2013
--	--	--	--	--	L019A03010020: Earthen Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A03020012: Base Course Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A03030021: Log Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A03030022: Log Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A03140023: Coir Log	CA	--	9/22/2016
--	--	--	--	--	L019A04010019: Earthen Channel/Swale	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A04060011: Rip Rap	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A04060013: Rip Rap	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A05020006: Sediment Basin	BCM	12/1/2010	11/1/2010
--	--	--	--	--	L019A06010014: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A06010015: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A06010016: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A06010017: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A06010018: Rock Check Dam	CA	11/27/2015	10/28/2015
--	--	--	--	--	L019A06020009: Log Check Dam	CA	--	1/29/2014

**Comments:** The sampler was activated for corrective action monitoring on 05/17/2017. The sampler was shut down for the winter on 11/21/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
Permitted Feature No.: L019A	Reporting Period: January 01, 2017 - December 31, 2017		
Site Monitoring Area No. LA-SMA-5.92	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>		

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	L019A06020010: Log Check Dam	CA	--	1/29/2014
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**Comments:** The sampler was activated for corrective action monitoring on 05/17/2017. The sampler was shut down for the winter on 11/21/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L020	Site Monitoring Area No. LA-SMA-6.25	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L02002040007: Established Vegetation	BCM	--	4/17/2013
-	--	-	-	--	L02003040002: Asphalt Berm	BCM	12/1/2010	11/1/2010
-	--	-	--	-	L02003140014: Coir Log	BCM	--	9/12/2017
-	--	-	-	-	L02006010013: Rock Check Dam	BCM	-	8/12/2014
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**Comments:** The sampler was activated for baseline monitoring on 05/18/2017. The sampler was found inoperable due to a buried actuator and intake on 07/28/2017. The sampler was last known to be operable at the prior inspection on 07/11/2017 (inoperable up to 17 d). The sampler was shut down for the winter on 11/20/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L021	Site Monitoring Area No. LA-SMA-6.27	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L02102040011: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	L02103040001: Asphalt Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	L02103060018: Straw Wattle	BCM	--	8/25/2014
--	--	--	--	--	L02103060020: Straw Wattle	BCM	--	8/5/2015
--	--	--	--	--	L02106010015: Rock Check Dam	BCM	--	1/30/2014
--	--	--	--	--	L02106010016: Rock Check Dam	BCM	--	1/30/2014
--	--	--	--	--	L02106010017: Rock Check Dam	BCM	--	1/30/2014
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**Comments:** The sampler was activated for baseline monitoring on 05/18/2017. The sampler was shut down for the winter on 11/16/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L022	Site Monitoring Area No. LA-SMA-6.3	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	--	L02202040009: Established Vegetation	BCM	-	4/17/2013
-	-	-	-	--	L02203040005: Asphalt Berm	BCM	4/29/2011	12/7/2010
-	-	-	-	--	L02206010001: Rock Check Dam	BCM	4/29/2011	12/7/2010
-	-	-	-	--	L02206010010: Rock Check Dam	BCM	--	8/12/2014
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. The sampler was found inoperable due to a buried actuator and intake on 07/28/2017. The sampler was last known to be operable at the prior inspection on 07/11/2017 (inoperable up to 17 d). The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L022A	Site Monitoring Area No. LA-SMA-6.31	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	L022A02040008: Established Vegetation	BCM	--	4/17/2013
-	--	-	-	-	L022A03040002: Asphalt Berm	BCM	4/29/2011	12/7/2010
-	--	-	--	-	L022A06010005: Rock Check Dam	BCM	4/29/2011	12/7/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. Insufficient volume was collected on 7/26/2017 at 11:18. The sample was not retrieved and sampler reset at inspection on 07/28/2017 (inoperable 2 d). The sampler was found with standing water in the base on 11/16/17. The sampler was last known to be operable at the prior inspection on 10/06/2017 (inoperable up to 41 d). The sampler was shut down for the winter on 11/16/2017


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L023	Site Monitoring Area No. LA-SMA-6.32	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	L02302040006: Established Vegetation	BCM	-	4/17/2013
-	--	-	-	-	L02303040002: Asphalt Berm	BCM	4/29/2011	12/7/2010
-	--	-	-	-	L02303060003: Straw Wattle	BCM	4/29/2011	12/7/2010
-	--	-	-	-	L02303060005: Straw Wattle	BCM	--	6/4/2012
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**Comments:** The sampler was activated for baseline monitoring on 05/05/2017. The sampler attempted but was unable to collect a sample at unknown time, the sampler was last known to be operable at the prior inspection on 05/05/2017. Reset at inspection on 06/14/2017 (inoperable up to 40 d). The sampler was shut down for the winter on 11/08/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: L024	Site Monitoring Area No. LA-SMA-6.34	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L02402040006: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	L02403040003: Asphalt Berm	BCM	4/29/2011	12/7/2010
--	--	--	--	--	L02406010005: Rock Check Dam	BCM	4/29/2011	12/7/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L025	Site Monitoring Area No. LA-SMA-6.36	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L02502040010: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	L02503010008: Earthen Berm	BCM	4/29/2011	12/7/2010
--	--	--	--	--	L02503010009: Earthen Berm	BCM	4/29/2011	12/7/2010
--	--	--	--	--	L02503090004: Curbing	BCM	4/29/2011	12/7/2010
--	--	--	--	--	L02503100011: Gravel Bags	BCM	--	8/19/2015
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**Comments:** The sampler was activated for baseline monitoring on 05/18/2017. The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L026	Site Monitoring Area No. LA-SMA-6.38	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L02602040011: Established Vegetation	BCM	-	4/17/2013
-	-	-	--	-	L02603060010: Straw Wattle	BCM	-	6/4/2012
-	-	-	-	--	L02603060012: Straw Wattle	BCM	-	11/23/2015
-	-	-	--	-	L02604060006: Rip Rap	BCM	4/29/2011	12/7/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. The sampler was found to be off on 07/11/2017 due to a damaged battery cable. The sampler was last known to be operable at the prior inspection on 06/12/2017 (inoperable up to 29 d). The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L027	Site Monitoring Area No. LA-SMA-6.395	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	L02702040008: Established Vegetation	BCM	-	4/17/2013
-	-	-	-	-	L02703010004: Earthen Berm	BCM	4/29/2011	12/7/2010
-	-	-	-	-	L02703010005: Earthen Berm	BCM	4/29/2011	12/7/2010
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 06/18/2015 for both associated Sites and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L028	Site Monitoring Area No. LA-SMA-6.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	L02802040008: Established Vegetation	BCM	--	4/17/2013
--	--	--	--	--	L02803010004: Earthen Berm	BCM	4/29/2011	12/7/2010
--	--	--	--	--	L02803010006: Earthen Berm	BCM	4/29/2011	12/16/2010
--	--	--	--	--	L02806010002: Rock Check Dam	BCM	4/29/2011	12/7/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. The sampler was shut down for the winter on 11/16/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: L029	Site Monitoring Area No. LA-SMA-9	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	L02902040015: Established Vegetation	BCM	-	5/14/2013
-	-	--	-	--	L02903010014: Earthen Berm	BCM	4/29/2011	3/29/2011
--	-	--	-	--	L02903020019: Base Course Berm	BCM	--	10/30/2015
-	--	-	--	-	L02903020021: Base Course Berm	BCM	-	10/30/2015
-	-	--	-	--	L02903120018: Rock Berm	BCM	-	10/30/2015
--	-	--	-	-	L02904050009: Water Bar	BCM	4/29/2011	3/29/2011
-	--	-	--	-	L02904050010: Water Bar	BCM	4/29/2011	3/29/2011
--	-	-	--	-	-	--	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M001	Site Monitoring Area No. M-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	M00102040009: Established Vegetation	BCM	-	4/4/2013
-	-	-	-	-	M00107010001: Gabions	BCM	12/1/2010	11/1/2010
-	--	-	-	--	M00107010006: Gabions	BCM	12/1/2010	11/1/2010
-	-	-	-	-	M00107010008: Gabions	CA	12/27/2012	11/27/2012
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M002	Site Monitoring Area No. M-SMA-1.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)->Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Arsenic, F	N	8.2	ug/L	D	M00202040009: Established Vegetation	BCM	-	4/4/2013
Copper, F	Y	55	ug/L	MTAL	M00203060012: Straw Wattle	CA	--	9/18/2014
--	--	--	--	--	M00203140011: Coir Log	CA	10/25/2014	9/25/2014
--	--	--	--	--	M00204060008: Rip Rap	BCM	4/29/2011	12/13/2010
--	--	--	--	--	M00205020010: Sediment Basin	CA	10/25/2014	9/25/2014
--	--	--	--	--	M00206010003: Rock Check Dam	BCM	4/29/2011	12/13/2010
--	--	--	--	--	M00206010004: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** The sampler was activated for corrective action monitoring on 05/09/2017. A corrective action monitoring sample was collected on 09/29/2017. The sampler was reactivated for corrective action monitoring on 10/12/2017 (inoperable 14 d). The sampler was shut down for the winter on 11/02/2017. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M002A	Site Monitoring Area No. M-SMA-1.21	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	M002A02040007: Established Vegetation	BCM	-	4/4/2013
-	-	-	-	-	M002A03010006: Earthen Berm	BCM	-	8/5/2011
-	-	-	-	-	M002A03020002: Base Course Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M002A03120005: Rock Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M002A04060003: Rip Rap	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M002A06010004: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/09/2017. The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M002B	Site Monitoring Area No. M-SMA-1.22	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	M002B02040014: Established Vegetation	BCM	-	4/4/2013
-	-	-	-	-	M002B03010010: Earthen Berm	CA	6/1/2013	5/2/2013
-	-	-	-	-	M002B03010011: Earthen Berm	CA	6/1/2013	5/2/2013
-	-	-	-	-	M002B03010012: Earthen Berm	CA	6/1/2013	5/2/2013
-	-	-	-	-	M002B04050002: Water Bar	BCM	4/29/2011	1/12/2011
-	-	-	-	-	M002B05030013: Sand Filler	CA	6/1/2013	5/2/2013
-	-	-	-	-	M002B06010008: Rock Check Dam	BCM	4/29/2011	1/12/2011
-	-	-	-	-	M002B06010009: Rock Check Dam	BCM	4/29/2011	1/12/2011
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: M012	Site Monitoring Area No. M-SMA-10	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	M01202040012: Established Vegetation	BCM	-	4/30/2013
-	--	-	-	-	M01204050004: Rip Rap	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M01204060007: Rip Rap	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M01206010001: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	--	-	-	M01206010005: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	--	-	-	-	M01206010006: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	--	-	-	M01206010009: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	--	-	M01206010010: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/29/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M012A	Site Monitoring Area No. M-SMA-10.01	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	M012A02040008: Established Vegetation	BCM	-	4/30/2013
--	-	-	-	--	M012A03010006: Earthen Berm	CA	10/25/2012	9/25/2012
-	-	-	-	-	M012A03010007: Earthen Berm	CA	10/25/2012	9/25/2012
-	-	-	-	-	M012A06010003: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: M013	Site Monitoring Area No. M-SMA-10.3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M01302040014: Established Vegetation	BCM	--	4/30/2013
--	--	--	--	--	M01303010012: Earthen Berm	BCM	4/29/2011	4/26/2011
--	--	--	--	--	M01303100013: Gravel Bags	BCM	4/29/2011	4/26/2011
--	--	--	--	--	M01306010017: Rock Check Dam	CA	--	8/25/2014
--	--	--	--	--	M01306010018: Rock Check Dam	CA	--	8/25/2014
--	--	--	--	--	M01308020019: Rock Cap	CA	--	7/12/2017
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2013 with certification of completion of corrective action under E.2(d).

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M014	Site Monitoring Area No. M-SMA-11.1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	--	-	M01402040008: Established Vegetation	BCM	-	4/30/2013
--	--	-	-	--	M01403090005: Curbing	BCM	4/29/2011	12/13/2010
-	-	-	--	-	M01403100010: Gravel Bags	BCM	-	10/20/2015
-	-	-	-	--	M01404060001: Rip Rap	BCM	4/29/2011	12/13/2010
-	-	-	--	-	M01406020006: Log Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/10/2017. The sampler was found to be tipped over on 06/20/2017. The sampler was last known to be operable at the prior inspection on 05/10/2017 (inoperable up to 41 d). The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M015	Site Monitoring Area No. M-SMA-12	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M01502040008: Established Vegetation	BCM	--	4/30/2013
--	--	--	--	--	M01503090010: Curbing	BCM	--	12/4/2017
--	--	--	--	--	M01506020001: Log Check Dam	BCM	4/29/2011	3/29/2011
--	--	--	--	--	M01506020006: Log Check Dam	BCM	4/29/2011	3/29/2011
--	--	--	--	--	M01506020007: Log Check Dam	BCM	4/29/2011	3/29/2011
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: M016	Site Monitoring Area No. M-SMA-12.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M01601010011: Seed and Wood Mulch	BCM	--	6/15/2011
--	--	--	--	--	M01602040012: Established Vegetation	BCM	--	5/1/2013
--	--	--	--	--	M01603010009: Earthen Berm	BCM	--	6/15/2011
--	--	--	--	--	M01603010010: Earthen Berm	BCM	--	6/15/2011
--	--	--	--	--	M01603100013: Gravel Bags	BCM	--	8/28/2017
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**Comments:** The sampler was activated for baseline monitoring on 05/18/2017. The actuator was found disturbed and out of channel on 10/05/2017. The sampler was last known to be operable at the prior inspection on 08/23/2017 (inoperable up to 43 d). The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M017	Site Monitoring Area No. M-SMA-12.6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	M01701010013: Seed and Wood Mulch	BCM	-	8/15/2012
-	--	-	--	-	M01702040014: Established Vegetation	BCM	-	5/1/2013
-	-	-	-	-	M01703010010: Earthen Berm	BCM	-	6/15/2011
--	-	--	-	-	M01703020005: Base Course Berm	BCM	4/29/2011	4/26/2011
-	--	-	-	-	M01703020006: Base Course Berm	BCM	4/29/2011	4/26/2011
-	-	--	-	-	M01703020007: Base Course Berm	BCM	4/29/2011	4/26/2011
--	-	--	-	-	M01703060015: Straw Wattle	CA	-	8/26/2014
-	--	-	--	-	M01706010008: Rock Check Dam	BCM	4/29/2011	4/26/2011
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 06/15/2015 for Site 05-004 and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M018	Site Monitoring Area No. M-SMA-12.7	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	M01802040012: Established Vegetation	BCM	-	5/1/2013
-	-	--	-	-	M01803120017: Rock Berm	BCM	-	12/20/2016
-	-	--	-	-	M01803140014: Coir Log	BCM	-	12/20/2016
-	-	--	-	-	M01803140015: Coir Log	BCM	-	12/20/2016
-	-	--	-	-	M01803140016: Coir Log	BCM	-	12/20/2016
-	-	--	-	-	M01803160013: Wood Chip Wattle	BCM	-	7/14/2015
-	-	--	-	-	M01806020009: Log Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was found to be tipped over on 07/28/2017. The sampler was last known to be operable at the prior inspection on 06/23/2017 (inoperable up to 35 d). The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M019	Site Monitoring Area No. M-SMA-12.8	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	M01902040010: Established Vegetation	BCM	-	5/1/2013
--	-	--	-	--	M01903060009: Straw Wattle	BCM	-	8/13/2012
-	-	-	-	-	M01903120012: Rock Berm	BCM	-	12/20/2016
-	-	-	-	--	M01903160011: Wood Chip Wattle	BCM	-	7/14/2015
--	-	-	-	-	M01906020006: Log Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was found inoperable due to a buried actuator and intake on 07/28/2017. The sampler was last known to be operable at the prior inspection on 06/23/2017 (inoperable up to 35 d). The sampler was shut down for the winter on 11/02/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M020	Site Monitoring Area No. M-SMA-12.9	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	M02002040012: Established Vegetation	BCM	-	5/1/2013
-	-	-	-	-	M02003010008: Earthen Berm	BCM	-	7/29/2011
-	-	-	-	-	M02003120019: Rock Berm	CA	-	4/22/2016
-	-	-	-	-	M02003140020: Coir Log	CA	-	4/22/2016
-	--	-	-	-	M02003160014: Wood Chip Wattle	BCM	-	7/14/2015
-	-	-	-	-	M02006020013: Log Check Dam	BCM	-	5/1/2013
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M021	Site Monitoring Area No. M-SMA-12.92	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	M02102040005: Established Vegetation	BCM	-	5/1/2013
-	--	-	-	-	M02104060006: Rip Rap	BCM	-	1/9/2017
-	-	-	--	-	M02105010001: Sediment Trap	BCM	12/1/2010	11/1/2010
-	-	-	--	-	M02105010003: Sediment Trap	BCM	12/1/2010	11/1/2010
-	-	--	-	--	M02105010004: Sediment Trap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	M02107010007: Gabion	BCM	-	1/9/2017
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**Comments:** The sampler was activated for baseline monitoring on 05/16/2017. The sampler was shut down for the winter on 11/01/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M022	Site Monitoring Area No. M-SMA-13	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	M02202040014: Established Vegetation	BCM	-	5/1/2013
-	-	-	-	-	M02203010013: Earthen Berm	BCM	-	7/28/2011
-	-	-	-	-	M02206010008: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M02206010009: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M02206010010: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M02206010011: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M02206020001: Log Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M02206020003: Log Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M02206020015: Log Check Dam	BCM	-	8/28/2017
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 10/21/2013.

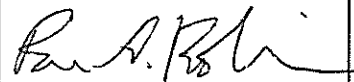
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M003	Site Monitoring Area No. M-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M00304050005: Water Bar	BCM	4/29/2011	4/26/2011
--	--	--	--	--	M00304060001: Rip Rap	BCM	4/29/2011	4/26/2011
--	--	--	--	--	M00304060008: Rip Rap	BCM	4/29/2011	4/26/2011
--	--	--	--	--	M00304060014: Rip Rap	BCM	--	11/4/2014
--	--	--	--	--	M00304060018: Rip Rap	CA	11/14/2015	10/15/2015
--	--	--	--	--	M00304080017: TRM-Lined Swale	CA	11/14/2015	10/15/2015
--	--	--	--	--	M00305020015: Sediment Basin	CA	11/14/2015	10/15/2015
--	--	--	--	--	M00305060016: Infiltration Basin	CA	11/14/2015	10/15/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/04/2017. The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M005	Site Monitoring Area No. M-SMA-3.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	-	-	M00502040018: Established Vegetation	BCM	-	4/29/2013
-	-	-	-	-	M00503010015: Earthen Berm	BCM	4/29/2011	5/12/2011
-	--	-	-	--	M00503010016: Earthen Berm	BCM	4/29/2011	5/12/2011
-	--	-	-	-	M00503120009: Rock Berm	BCM	4/29/2011	4/26/2011
-	-	-	-	-	M00503120010: Rock Berm	BCM	4/29/2011	4/26/2011
-	-	-	-	--	M00503120013: Rock Berm	BCM	4/29/2011	4/26/2011
-	-	-	-	-	M00503120014: Rock Berm	BCM	4/29/2011	4/26/2011
--	-	-	-	-	M00504060011: Rip Rap	BCM	4/29/2011	4/26/2011
-	-	-	-	-	M00504060012: Rip Rap	BCM	4/29/2011	4/26/2011
--	-	-	-	-	M00504060017: Rip Rap	BCM	4/29/2011	5/12/2011
-	-	-	-	-	M00504060019: Rip Rap	BCM	-	10/30/2014
-	-	-	-	-	M00506010004: Rock Check Dam	BCM	4/29/2011	4/26/2011
-	-	-	-	-	M00506010005: Rock Check Dam	BCM	4/29/2011	4/26/2011
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**Comments:** The sampler was activated for baseline monitoring on 05/26/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M006	Site Monitoring Area No. M-SMA-4	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	--	-	--	M00602040014: Established Vegetation	BCM	-	4/29/2013
-	--	--	-	--	M00603120015: Rock Berm	BCM	-	11/4/2014
-	--	--	--	--	M00604060002: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	--	-	--	M00604060007: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	--	-	--	M00604060012: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	--	-	--	M00606010005: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	--	--	--	--	M00606010013: Rock Check Dam	BCM	-	11/3/2011
-	--	--	-	--	M00606010016: Rock Check Dam	BCM	-	11/4/2014
--	--	--	-	--	M00606010017: Rock Check Dam	BCM	-	11/4/2014
-	--	--	-	--	M00606010018: Rock Check Dam	BCM	-	11/4/2014
-	--	--	-	--	M00607010006: Gabions	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Control measures eliminating exposure of pollutants to stormwater were certified per E.2(c) on 09/29/2015. The sample required under E.1(b) was collected on 08/03/2016.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M007	Site Monitoring Area No. M-SMA-5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M00702040016: Established Vegetation	BCM	--	5/15/2013
--	--	--	--	--	M00703060015: Straw Wattle	BCM	4/29/2011	4/28/2011
--	--	--	--	--	M00704020012: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	4/28/2011
--	--	--	--	--	M00704060001: Rip Rap	BCM	4/29/2011	4/28/2011
--	--	--	--	--	M00704060008: Rip Rap	BCM	4/29/2011	4/28/2011
--	--	--	--	--	M00706010002: Rock Check Dam	BCM	4/29/2011	4/28/2011
--	--	--	--	--	M00706010007: Rock Check Dam	BCM	4/29/2011	4/28/2011
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. The sampler was shut down for the winter on 11/17/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M008	Site Monitoring Area No. M-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	M00802040024: Established Vegetation	BCM	-	4/30/2013
-	-	-	-	-	M00803010033: Earthen Berm	CA	-	8/28/2014
-	-	-	-	-	M00803060034: Straw Wattle	CA	-	8/19/2015
-	-	-	-	-	M00803060035: Straw Wattle	CA	-	8/19/2015
-	-	-	-	-	M00803060036: Straw Wattle	CA	-	8/19/2015
-	-	-	-	-	M00803120031: Rock Berm	CA	-	8/28/2014
-	-	-	-	-	M00804050048: Water Bar	CA	-	8/18/2015
-	-	-	-	-	M00804060001: Rip Rap	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M00804060014: Rip Rap	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M00804060025: Rip Rap	BCM	-	4/30/2013
-	-	-	-	-	M00805020016: Sediment Basin	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M00806010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	M00806010017: Rock Check Dam	BCM	-	4/11/2011
-	-	-	-	-	M00806010020: Rock Check Dam	BCM	-	4/11/2011
-	-	-	-	-	M00806010027: Rock Check Dam	BCM	-	12/17/2013
-	-	-	-	-	M00806010028: Rock Check Dam	BCM	-	12/17/2013

**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M008	Site Monitoring Area No. M-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M00806010032: Rock Check Dam	CA	--	8/28/2014
--	--	--	--	--	M00806010042: Rock Check Dam	CA	--	10/27/2015
--	--	--	--	--	M00806010044: Rock Check Dam	CA	--	10/27/2015
--	--	--	--	--	M00807020013: Gabion Blanket	BCM	4/29/2011	12/13/2010
--	--	--	--	--	M00808030002: Concrete/Asphalt Cap	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M009	Site Monitoring Area No. M-SMA-7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	M00902040009: Established Vegetation	BCM	-	4/30/2013
--	-	-	-	--	M00903140012: Coir Log	CA	--	7/25/2017
-	--	-	--	-	M00906010003: Rock Check Dam	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

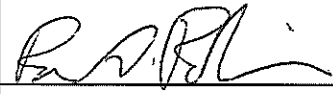
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: M010	Site Monitoring Area No. M-SMA-7.9	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	M01002040013: Established Vegetation	BCM	--	4/30/2013
--	--	--	--	--	M01003010004: Earthen Berm	BCM	4/29/2011	12/3/2010
--	--	--	--	--	M01003010010: Earthen Berm	BCM	4/29/2011	12/3/2010
--	--	--	--	--	M01003010011: Earthen Berm	BCM	4/29/2011	12/3/2010
--	--	--	--	--	M01003010012: Earthen Berm	BCM	--	5/6/2011
--	--	--	--	--	M01003060014: Straw Wattle	CA	--	8/22/2014
--	--	--	--	--	M01003060015: Straw Wattle	CA	--	8/22/2014
--	--	--	--	--	M01003120005: Rock Berm	BCM	4/29/2011	12/3/2010
--	--	--	--	--	M01003120006: Rock Berm	BCM	4/29/2011	12/3/2010
--	--	--	--	--	M01003120016: Rock Berm	CA	--	8/22/2014
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 04/21/2014.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J001	Site Monitoring Area No. PJ-SMA-1.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	--	-	--	J00102040019: Established Vegetation	BCM	-	4/23/2013
-	-	-	-	-	J00103010018: Earthen Berm	BCM	-	8/27/2012
-	-	-	-	-	J00103010020: Earthen Berm	CA	10/4/2015	9/4/2015
-	-	-	-	-	J00103010021: Earthen Berm	CA	10/4/2015	9/4/2015
-	-	-	-	-	J00103010022: Earthen Berm	CA	10/4/2015	9/4/2015
-	-	-	-	-	J00104050008: Water Bar	BCM	12/1/2010	11/1/2010
-	-	-	-	-	J00104050012: Water Bar	BCM	-	4/4/2011
-	-	-	-	-	J00104050013: Water Bar	BCM	-	4/4/2011
-	-	-	-	-	J00104050014: Water Bar	BCM	-	4/4/2011
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/12/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J012	Site Monitoring Area No. PJ-SMA-10	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J01203020001: Base Course Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	J01203140018: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01203140019: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01203140028: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01203140029: Coir Log	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01204030030: Rock Channel/Swale	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01204050016: Water Bar	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010011: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010012: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010013: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010014: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010015: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010017: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010021: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010022: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010023: Rock Check Dam	CA	11/27/2015	10/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J012	Site Monitoring Area No. PJ-SMA-10	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J01206010024: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010025: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010026: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	J01206010031: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J013	Site Monitoring Area No. PJ-SMA-11	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J01301010020: Seed and Wood Mulch	BCM	--	8/13/2013
--	--	--	--	--	J01301010028: Seed and Wood Mulch	CA	--	3/4/2015
--	--	--	--	--	J01302040018: Established Vegetation	BCM	--	5/7/2013
--	--	--	--	--	J01303010024: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	J01303010025: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	J01303010026: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	J01303010027: Earthen Berm	CA	9/9/2015	8/10/2015
--	--	--	--	--	J01303140029: Coir Log	CA	--	12/2/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J014	Site Monitoring Area No. PJ-SMA-11.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J01401010025: Seed and Wood Mulch	CA	-	3/4/2015
-	-	-	-	-	J01402040015: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	J01403010020: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	J01403010021: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	J01403010022: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	J01403010023: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	J01403060027: Straw Wattle	CA	-	8/24/2016
-	-	-	-	-	J01406010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	J01406010008: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	J01406010009: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was shut down for the winter on 11/14/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J015	Site Monitoring Area No. PJ-SMA-13	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J01502040005: Established Vegetation	BCM	--	5/2/2013
--	--	--	--	--	J01503010003: Earthen Berm	BCM	4/29/2011	3/29/2011
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J016	Site Monitoring Area No. PJ-SMA-13.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J01602040011: Established Vegetation	BCM	-	5/2/2013
-	-	--	-	-	J01605020008: Sediment Basin	CA	8/7/2013	7/8/2013
-	-	--	-	-	J01605020009: Sediment Basin	CA	8/7/2013	7/8/2013
--	-	-	-	-	J01606010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	--	-	-	-	J01607010002: Gabions	BCM	4/29/2011	12/13/2010
--	-	-	-	-	J01608030010: Concrete/Asphalt Cap	CA	8/7/2013	7/8/2013
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/22/2017. The sampler was shut down for the winter on 11/13/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J017	Site Monitoring Area No. PJ-SMA-14	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J01701010004: Seed and Wood Mulch	BCM	4/29/2011	3/29/2011
-	-	-	-	-	J01703010005: Earthen Berm	BCM	-	11/21/2011
-	-	-	-	-	J01703010006: Earthen Berm	BCM	-	11/21/2011
-	-	-	-	-	J01703020002: Base Course Berm	BCM	4/29/2011	3/29/2011
-	-	-	-	-	J01703020003: Base Course Berm	BCM	4/29/2011	3/29/2011
-	-	-	-	-	J01708010001: Earth Cap	BCM	4/29/2011	3/29/2011
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/11/2017. The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: J018	Site Monitoring Area No. PJ-SMA-14.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J01802040005: Established Vegetation	BCM	--	5/2/2013
--	-	--	-	--	J01803060006: Straw Wattle	BCM	-	7/16/2013
-	-	-	--	-	J01803120004: Rock Berm	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/13/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: J019	Site Monitoring Area No. PJ-SMA-14.3	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J01902040003: Established Vegetation	BCM	--	5/2/2013
--	--	--	--	--	J01903060006: Straw Wattle	BCM	--	8/26/2016
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was found to be tipped over on 07/31/2017. The sampler was last known to be operable at the prior inspection on 06/29/2017 (inoperable up to 32 d). The sampler was shut down for the winter on 11/13/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J020	Site Monitoring Area No. PJ-SMA-14.4	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J02002040010: Established Vegetation	BCM	-	5/2/2013
--	-	-	-	--	J02003010013: Earthen Berm	BCM	-	1/4/2018
-	--	-	--	-	J02003140012: Coir Log	BCM	--	9/5/2017
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/13/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J021	Site Monitoring Area No. PJ-SMA-14.6	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J02102040008: Established Vegetation	BCM	--	5/2/2013
-	-	-	-	-	J02103010005: Earthen Berm	BCM	--	11/16/2011
-	--	-	--	-	J02104060007: Rip Rap	BCM	-	9/11/2012
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/13/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J023	Site Monitoring Area No. PJ-SMA-16	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	J02302040004: Established Vegetation	BCM	-	5/2/2013
--	-	--	-	-	J02303060003: Straw Wattle	BCM	--	10/3/2012
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 09/11/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J024	Site Monitoring Area No. PJ-SMA-17	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J02402040008: Established Vegetation	BCM	-	5/16/2013
-	-	--	-	--	J02404060006: Rip Rap	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02404060007: Rip Rap	BCM	12/1/2010	11/16/2010
-	-	--	-	--	J02405010005: Sediment Trap	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02406010004: Rock Check Dam	BCM	12/1/2010	11/16/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Control measures eliminating exposure of pollutants to stormwater were certified per E.2(c) on 08/27/2014. The sample required under E.1(b) was collected on 05/21/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: J026	Site Monitoring Area No. PJ-SMA-18	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J02602040010: Established Vegetation	BCM	--	5/16/2013
--	--	--	--	--	J02604010009: Earthen Channel/Swale	BCM	--	9/27/2011
--	--	--	--	--	J02604010011: Earthen Channel/Swale	BCM	--	11/6/2014
--	--	--	--	--	J02604060007: Rip Rap	BCM	12/1/2010	11/16/2010
--	--	--	--	--	J02604060012: Rip Rap	BCM	--	11/6/2014
--	--	--	--	--	J02605010005: Sediment Trap	BCM	12/1/2010	11/16/2010
--	--	--	--	--	J02606010004: Rock Check Dam	BCM	12/1/2010	11/16/2010
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**Comments:** The sampler was activated for monitoring on 05/15/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The sampler was shut down for the winter on 11/13/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J025	Site Monitoring Area No. PJ-SMA-19	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J02502040011: Established Vegetation	BCM	-	5/16/2013
-	--	-	--	-	J02504020004: Concrete/Asphalt Channel/Swale	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02504020006: Concrete/Asphalt Channel/Swale	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02504060010: Rip Rap	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02505020002: Sediment Basin	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02506010005: Rock Check Dam	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02506010008: Rock Check Dam	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02506010009: Rock Check Dam	BCM	12/1/2010	11/16/2010
-	--	-	--	-	J02507010001: Gabions	BCM	12/1/2010	11/16/2010
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**Comments:** The sampler was activated for monitoring on 05/12/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J002	Site Monitoring Area No. PJ-SMA-2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J00202040022: Established Vegetation	BCM	--	5/8/2013
--	--	--	--	--	J00203010006: Earthen Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	J00203010007: Earthen Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	J00203010008: Earthen Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	J00203010009: Earthen Berm	BCM	12/1/2010	11/1/2010
--	--	--	--	--	J00203010015: Earthen Berm	BCM	--	8/1/2012
--	--	--	--	--	J00204050026: Water Bar	BCM	--	10/6/2015
--	--	--	--	--	J00206010014: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	--	--	--	--	J00206010019: Rock Check Dam	BCM	--	10/10/2012
--	--	--	--	--	J00206010020: Rock Check Dam	BCM	--	10/10/2012
--	--	--	--	--	J00206010021: Rock Check Dam	BCM	--	10/10/2012
--	--	--	--	--	J00206010024: Rock Check Dam	BCM	--	7/14/2015
--	--	--	--	--	J00206010025: Rock Check Dam	BCM	--	7/14/2015
--	--	--	--	--	J00206010027: Rock Check Dam	BCM	--	10/6/2015
--	--	--	--	--	J00206010028: Rock Check Dam	BCM	--	10/6/2015
--	--	--	--	--	J00208030029: Concrete/Asphalt Cap	BCM	--	10/6/2015

**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/09/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J027	Site Monitoring Area No. PJ-SMA-20	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)->Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J02702040007: Established Vegetation	BCM	-	5/16/2013
-	-	-	-	-	J02703090001: Curbing	BCM	4/29/2011	11/16/2010
-	-	-	-	-	J02704060006: Rip Rap	BCM	4/29/2011	11/16/2010
-	-	-	-	-	J02708030005: Concrete/Asphalt Cap	BCM	4/29/2011	11/16/2010
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Control measures eliminating exposure of pollutants to stormwater were certified per E.2(c) on 10/25/2013. The sample required under E.1(b) was collected on 05/22/2014.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J003	Site Monitoring Area No. PJ-SMA-3.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J00302040012: Established Vegetation	BCM	-	5/8/2013
--	-	--	-	--	J00303010010: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	J00303010011: Earthen Berm	CA	8/17/2012	7/18/2012
--	-	--	-	--	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/23/2017. The sampler was shut down for the winter on 11/09/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 – December 31, 2017</u>		
Permitted Feature No.: J004	Site Monitoring Area No. PJ-SMA-4.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J00402040008: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	J00403010007: Earthen Berm	BCM	-	10/31/2011
-	-	-	-	-	J00406010006: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J005	Site Monitoring Area No. PJ-SMA-5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J00502040015: Established Vegetation	BCM	-	4/23/2013
-	--	-	--	-	J00503010025: Earthen Berm	CA	9/9/2015	8/10/2015
-	--	-	--	-	J00503030019: Log Berm	CA	9/9/2015	8/10/2015
-	--	-	-	--	J00503120026: Rock Berm	CA	9/9/2015	8/10/2015
-	--	-	-	-	J00503120027: Rock Berm	CA	9/9/2015	8/10/2015
-	--	-	-	--	J00503120028: Rock Berm	CA	9/9/2015	8/10/2015
--	--	-	--	-	J00504010003: Earthen Channel/Swale	BCM	12/1/2010	11/1/2010
--	--	-	-	-	J00504040016: Culvert	CA	9/9/2015	8/10/2015
-	--	-	-	-	J00504060017: Rip Rap	CA	9/9/2015	8/10/2015
-	--	-	-	-	J00504060020: Rip Rap	CA	9/9/2015	8/10/2015
--	--	-	-	-	J00506010018: Rock Check Dam	CA	9/9/2015	8/10/2015
-	--	-	-	-	J00506010021: Rock Check Dam	CA	9/9/2015	8/10/2015
-	--	-	-	--	J00506010022: Rock Check Dam	CA	9/9/2015	8/10/2015
-	--	-	-	-	J00506010023: Rock Check Dam	CA	9/9/2015	8/10/2015
--	--	-	--	--	J00506010024: Rock Check Dam	CA	9/9/2015	8/10/2015
-	--	-	-	-	J00506030004: Juniper Bales	BCM	12/1/2010	11/1/2010

**Comments:** The sampler was activated for corrective action monitoring on 05/12/2017. The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J006	Site Monitoring Area No. PJ-SMA-5.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	J00602040010: Established Vegetation	BCM	-	4/23/2013
-	-	-	-	-	J00603010009: Earthen Berm	CA	8/17/2012	7/18/2012
-	-	-	-	-	J00603010011: Earthen Berm	CA	-	11/5/2013
-	-	-	-	-	J00604010004: Earthen Channel/Swale	BCM	4/29/2011	12/22/2010
-	-	-	-	-	J00606010007: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	J00608030012: Concrete/Asphalt Cap	CA	-	11/5/2013
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/12/2017. The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J007	Site Monitoring Area No. PJ-SMA-6	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	J00702040018: Established Vegetation	BCM	-	5/7/2013
-	--	-	--	-	J00703010009: Earthen Berm	BCM	-	10/31/2011
-	--	-	--	-	J00703010010: Earthen Berm	BCM	-	10/31/2011
--	-	--	-	--	J00703010011: Earthen Berm	BCM	-	10/31/2011
-	-	-	-	-	J00703120012: Rock Berm	BCM	-	11/2/2011
-	--	-	-	-	J00706010002: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	--	-	J00706010004: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	-	--	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J008	Site Monitoring Area No. PJ-SMA-7	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	-	J00802040006: Established Vegetation	BCM	-	5/7/2013
-	--	-	-	--	J00803010004: Earthen Berm	BCM	12/1/2010	11/1/2010
-	-	-	--	-	J00804010002: Earthen Channel/Swale	BCM	12/1/2010	11/1/2010
-	--	-	-	-	J00804040003: Culvert	BCM	12/1/2010	11/1/2010
-	-	--	-	-	-	-	-	--
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler attempted but was unable to collect a sample on 09/23/2017 at 15:25. Reset at inspection on 09/27/2017 (inoperable 4 d). The sampler attempted but was unable to collect a sample on 09/28/2017 22:53 and 09/29/2017 at 00:40. Reset at inspection on 10/02/2017 (inoperable 4 d). Insufficient volume was collected on 10/04/2017 at 21:00. The sample was not retrieved and sampler reset at inspection on 10/06/2017 (inoperable 2 d). The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J009	Site Monitoring Area No. PJ-SMA-8	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	J00902040010: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	--	J00903010006: Earthen Berm	BCM	12/1/2010	11/1/2010
-	--	-	--	-	J00903010009: Earthen Berm	BCM	12/1/2010	11/1/2010
--	-	-	-	--	J00904020005: Concrete/Asphalt Channel/Swale	BCM	12/1/2010	11/1/2010
--	-	-	-	-	J00906010002: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	-	-	J00906010004: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	--	-	J00906010011: Rock Check Dam	BCM	-	11/7/2013
-	-	-	-	--	-	-	-	--
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler was shut down for the winter on 11/16/2017.

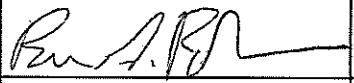
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J010	Site Monitoring Area No. PJ-SMA-9	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J01002040010: Established Vegetation	BCM	--	5/7/2013
--	--	--	--	--	J01003010016: Earthen Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	J01003010017: Earthen Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	J01003010018: Earthen Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	J01003010019: Earthen Berm	CA	11/27/2015	10/28/2015
--	--	--	--	--	J01003140021: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	J01006010008: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	--	--	--	--	J01006010009: Rock Check Dam	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for corrective action monitoring on 05/24/2017. The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T001	Site Monitoring Area No. Pratt-SMA-1.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	--	-	T00102040020: Established Vegetation	BCM	-	4/30/2013
--	-	-	-	-	T00103010022: Earthen Berm	CA	6/12/2014	5/13/2014
-	--	-	-	--	T00103010023: Earthen Berm	CA	6/12/2014	5/13/2014
--	-	-	--	-	T00103010025: Earthen Berm	CA	-	9/26/2014
--	-	-	--	-	T00103020013: Base Course Berm	BCM	4/29/2011	12/13/2010
-	-	--	-	--	T00103020014: Base Course Berm	BCM	4/29/2011	12/13/2010
-	--	-	-	-	T00103020015: Base Course Berm	BCM	4/29/2011	12/13/2010
--	-	--	-	-	T00103020016: Base Course Berm	BCM	4/29/2011	12/13/2010
-	-	--	-	--	T00103020024: Base Course Berm	CA	6/12/2014	5/13/2014
-	-	-	-	--	T00103120008: Rock Berm	BCM	4/29/2011	12/13/2010
-	-	-	--	-	T00108020005: Rock Cap	BCM	4/29/2011	12/13/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P004	Site Monitoring Area No. P-SMA-0.3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	P00402040008: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	P00403010019: Earthen Berm	CA	-	11/3/2015
-	-	-	-	-	P00403010020: Earthen Berm	CA	-	11/3/2015
-	-	-	-	-	P00403140009: Coir Log	BCM	-	5/8/2014
-	-	-	-	-	P00403140021: Coir Log	CA	-	11/3/2015
-	-	-	-	-	P00404050017: Water Bar	CA	-	11/3/2015
-	-	-	-	-	P00404050018: Water Bar	CA	-	11/3/2015
-	-	-	-	-	P00404060022: Rip Rap	CA	-	11/3/2015
-	-	-	-	-	P00406010012: Rock Check Dam	BCM	-	5/8/2014
-	-	-	-	-	P00406010013: Rock Check Dam	BCM	-	5/8/2014
-	-	-	-	-	P00406010014: Rock Check Dam	BCM	-	5/8/2014
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 09/16/2013 with certification of completion of corrective action under E.2(d).

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P005	Site Monitoring Area No. P-SMA-1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	--	P00501010053: Seed and Wood Mulch	BCM	-	6/17/2016
-	-	-	-	--	P00502040040: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	--	P00503010050: Earthen Berm	BCM	-	6/17/2016
-	-	-	-	--	P00503080003: Retaining Wall	BCM	12/1/2010	11/1/2010
-	-	-	-	--	P00503080058: Retaining Wall	BCM	-	3/23/2017
-	-	-	-	--	P00503080059: Retaining Wall	BCM	-	3/23/2017
-	-	-	-	--	P00503090066: Curbing	BCM	-	3/23/2017
-	-	-	-	--	P00504030057: Rock Channel/Swale	BCM	-	3/23/2017
-	-	-	-	--	P00504030065: Rock Channel/Swale	BCM	-	3/23/2017
-	-	-	-	--	P00504060046: Rip Rap	BCM	-	4/17/2015
-	-	-	-	--	P00504060052: Rip Rap	BCM	-	6/17/2016
-	-	-	-	--	P00504080051: TRM-Lined Swale	BCM	-	6/17/2016
-	-	-	-	--	P00506010060: Rock Check Dam	BCM	-	3/23/2017
-	-	-	-	--	P00506010061: Rock Check Dam	BCM	-	3/23/2017
-	-	-	-	--	P00506010062: Rock Check Dam	BCM	-	3/23/2017
-	-	-	-	--	P00506010063: Rock Check Dam	BCM	-	3/23/2017

**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for the winter on 11/20/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P005	Site Monitoring Area No. P-SMA-1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	P00508010064: Earth Cap	BCM	--	3/23/2017
--	--	--	--	--	P00508030067: Concrete/Asphalt Cap	BCM	--	3/23/2017
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**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for the winter on 11/20/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: P006	Site Monitoring Area No. P-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	P00602040011: Established Vegetation	BCM	-	5/7/2013
-	--	-	--	-	P00603020009: Base Course Berm	BCM	12/1/2010	11/1/2010
-	--	-	-	-	P00603020010: Base Course Berm	BCM	12/1/2010	11/1/2010
-	--	-	-	--	P00603060012: Straw Wattle	CA	-	9/8/2016
-	--	-	--	-	P00603100013: Gravel Bags	CA	-	9/23/2016
-	--	-	-	-	P00603120008: Rock Berm	BCM	12/1/2010	11/1/2010
-	--	-	--	-	P00604010001: Earthen Channel/Swale	BCM	12/1/2010	11/1/2010
-	--	-	-	--	P00604020006: Concrete/Asphalt Channel/Swale	BCM	12/1/2010	11/1/2010
-	--	-	-	-	P00604060002: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	-	--	-	P00604060003: Rip Rap	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 04/16/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: P007	Site Monitoring Area No. P-SMA-2.15	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	P00702040007: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	--	P00704060003: Rip Rap	BCM	4/29/2011	12/6/2010
-	-	-	--	-	P00704060006: Rip Rap	BCM	4/29/2011	12/6/2010
-	-	-	-	--	P00706010004: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	--	-	-	-	P00706010005: Rock Check Dam	BCM	4/29/2011	12/6/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/24/2017. The sampler was found to be tipped over on 09/26/2017. The sampler was last known to be operable at the prior inspection on 08/15/2017 (inoperable up to 42 d). The sampler was shut down for the winter on 11/08/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P008	Site Monitoring Area No. P-SMA-2.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	P00802040025: Established Vegetation	BCM	-	5/7/2013
-	--	-	-	-	P00803010027: Earthen Berm	BCM	-	5/2/2014
-	--	-	-	-	P00803010028: Earthen Berm	BCM	-	5/2/2014
-	--	-	-	-	P00803010029: Earthen Berm	BCM	-	5/2/2014
-	--	-	-	-	P00803010030: Earthen Berm	BCM	-	5/2/2014
-	--	-	-	-	P00803020012: Base Course Berm	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00804020005: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00804060001: Rip Rap	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00804080017: TRM-Lined Swale	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00806010019: Rock Check Dam	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00806010020: Rock Check Dam	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00806010021: Rock Check Dam	BCM	4/29/2011	4/28/2011
-	--	-	-	-	P00806010022: Rock Check Dam	BCM	4/29/2011	4/28/2011
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**Comments:** The sampler was activated for baseline monitoring on 05/23/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: P009	Site Monitoring Area No. P-SMA-3.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	P00902040012: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	P00903010008: Earthen Berm	BCM	4/29/2011	12/6/2010
-	-	-	-	-	P00903010009: Earthen Berm	BCM	4/29/2011	12/6/2010
-	-	-	-	-	P00903010010: Earthen Berm	BCM	-	5/18/2011
-	-	-	-	-	P00903010013: Earthen Berm	CA	-	9/27/2016
-	-	-	-	-	P00903010015: Earthen Berm	CA	-	9/27/2016
-	-	-	-	-	P00903140014: Coir Log	CA	-	9/27/2016
-	-	-	-	-	P00904050005: Water Bar	BCM	4/29/2011	12/6/2010
-	-	-	-	-	P00904050006: Water Bar	BCM	4/29/2011	12/6/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 04/16/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I001	Site Monitoring Area No. PT-SMA-0.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	I00102040009: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	I00103010007: Earthen Berm	CA	12/27/2012	11/27/2012
-	-	-	-	-	I00103010008: Earthen Berm	CA	12/27/2012	11/27/2012
-	-	-	-	-	I00103060011: Straw Wattle	CA	-	11/20/2013
-	-	-	-	-	I00103060013: Straw Wattle	CA	-	8/19/2016
-	-	-	-	-	I00104030012: Rock Channel/Swale	CA	-	3/27/2014
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**Comments:** The sampler was activated for corrective action monitoring on 05/25/2017. The sampler was shut down for the winter on 11/15/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I002	Site Monitoring Area No. PT-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	260	ug/L	D	I00201010022: Seed and Wood Mulch	BCM	4/29/2011	3/29/2011
Antimony, F	N	3.31	ug/L	D	I00202040034: Established Vegetation	BCM	-	5/8/2013
Arsenic, F	N	< 2	ug/L	ND	I00203010018: Earthen Berm	BCM	4/29/2011	3/29/2011
Benzo(a)pyrene, UF	N	< 0.0326	ug/L	ND	I00203010019: Earthen Berm	BCM	4/29/2011	3/29/2011
Boron, F	N	22.1	ug/L	D	I00203010020: Earthen Berm	BCM	4/29/2011	3/29/2011
Cadmium, F	N	< 0.3	ug/L	ND	I00203010021: Earthen Berm	BCM	4/29/2011	3/29/2011
Chromium, F	N	< 3	ug/L	ND	I00203010023: Earthen Berm	CA	9/2/2012	8/3/2012
Cobalt, F	N	1.59	ug/L	D	I00203010024: Earthen Berm	CA	9/2/2012	8/3/2012
Copper, F	Y	4.8	ug/L	MTAL	I00203010025: Earthen Berm	CA	9/2/2012	8/3/2012
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	I00203010026: Earthen Berm	CA	9/2/2012	8/3/2012
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	I00203010027: Earthen Berm	CA	9/2/2012	8/3/2012
Gross alpha, UF	Y	17.6	pCi/L	ATAL	I00203010028: Earthen Berm	CA	9/2/2012	8/3/2012
Hexachlorobenzene, UF	N	< 0.00694	ug/L	ND	I00203010029: Earthen Berm	CA	9/2/2012	8/3/2012
Lead, F	N	< 0.5	ug/L	ND	I00203010030: Earthen Berm	CA	9/2/2012	8/3/2012
Mercury, UF	N	< 0.067	ug/L	ND	I00203010039: Earthen Berm	CA	11/14/2015	10/15/2015
Mercury, UF	N	< 0.067	ug/L	ND	I00203060035: Straw Wattle	CA	-	9/15/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/25/2017. A corrective action monitoring sample was collected on 09/26/2017. The corrective action monitoring sample was retrieved and the sampler was reactivated for corrective action monitoring on 10/12/2017 (inoperable 15 d). The sampler was shut down for the winter on 11/14/2017. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I002	Site Monitoring Area No. PT-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Nickel, F	N	0.85	ug/L	D	I00203060036: Straw Wattle	CA	--	8/3/2015
Pentachlorophenol, UF	N	< 3.23	ug/L	ND	I00203060037: Straw Wattle	CA	--	8/3/2015
Radium-226 and Radium-228, UF	N	< 0.894	pCi/L	ND No MQL	I00203120012: Rock Berm	BCM	4/29/2011	3/29/2011
RDX, UF	N	< 0.101	ug/L	ND	I00203120013: Rock Berm	BCM	4/29/2011	3/29/2011
Selenium, UF	N	< 2	ug/L	ND	I00203120038: Rock Berm	CA	11/14/2015	10/15/2015
Silver, F	N	< 0.3	ug/L	ND	I00203140040: Coir Log	CA	11/14/2015	10/15/2015
Thallium, F	N	< 0.6	ug/L	ND	I00203140041: Coir Log	CA	11/14/2015	10/15/2015
Trinitrotoluene[2,4,6-], UF	N	< 0.101	ug/L	ND	I00206010031: Rock Check Dam	CA	9/2/2012	8/3/2012
Vanadium, F	N	< 1	ug/L	ND	I00206010032: Rock Check Dam	CA	9/2/2012	8/3/2012
Zinc, F	N	6.26	ug/L	D	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/25/2017. A corrective action monitoring sample was collected on 09/26/2017. The corrective action monitoring sample was retrieved and the sampler was reactivated for corrective action monitoring on 10/12/2017 (inoperable 15 d). The sampler was shut down for the winter on 11/14/2017. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I003	Site Monitoring Area No. PT-SMA-1.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	I00302040017: Established Vegetation	BCM	-	4/3/2013
-	-	-	-	-	I00303010018: Earthen Berm	CA	7/27/2014	6/27/2014
-	-	-	-	-	I00305040019: Gravel Infiltration Strip	CA	7/27/2014	6/27/2014
-	-	-	-	-	I00306010020: Rock Check Dam	CA	7/27/2014	6/27/2014
-	-	-	-	-	I00306010021: Rock Check Dam	CA	7/27/2014	6/27/2014
-	--	-	-	-	I00306010022: Rock Check Dam	CA	7/27/2014	6/27/2014
-	-	-	--	-	I00306010023: Rock Check Dam	CA	7/27/2014	6/27/2014
-	-	-	-	-	I00306010024: Rock Check Dam	CA	7/27/2014	6/27/2014
-	-	-	--	-	I00306010025: Rock Check Dam	CA	7/27/2014	6/27/2014
-	--	-	-	-	I00306010026: Rock Check Dam	CA	-	8/11/2014
-	-	-	-	-	-	-	-	-
-	--	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

**Comments:** The sampler was activated for corrective action monitoring on 05/17/2017. The sampler was found to be tipped over on 10/19/2017. The sampler was last known to be operable at the prior inspection on 09/29/2017 (inoperable up to 20 d). The sampler was shut down for the winter on 11/14/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: 1004	Site Monitoring Area No. PT-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	100402040011: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	100403010021: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	100403010022: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	100403010024: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	100403060012: Straw Wattle	CA	10/28/2015	9/28/2015
-	-	-	-	-	100403060013: Straw Wattle	CA	10/28/2015	9/28/2015
-	-	-	-	-	100403120010: Rock Berm	BCM	4/29/2011	3/29/2011
-	-	-	-	-	100403120023: Rock Berm	CA	10/28/2015	9/28/2015
-	-	-	-	-	100404060020: Rip Rap	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010014: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010015: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010016: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010017: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010018: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010019: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	100406010025: Rock Check Dam	CA	10/28/2015	9/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/17/2017. The sampler attempted but was unable to collect a sample on 08/07/2017 at 09:21 and 11:54 and 08/08/2017 at 09:44. Reset at inspection on 08/09/2017 (inoperable 1 d). The sampler attempted but was unable to collect a sample on 08/15/2017 at 08:36. Reset at inspection on 09/21/2017 (inoperable 37 d). The sampler attempted but was unable to collect a sample on 09/26/17 19:44 and 09/27/2017 at 18:16. Reset at inspection on 09/29/2017 (inoperable 2 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: I004A	Site Monitoring Area No. PT-SMA-2.01	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	I004A02040005: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	I004A03010004: Earthen Berm	CA	9/2/2012	8/3/2012
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/17/2017. The sampler program halted at unknown time, the sampler was last known to be operable at the prior inspection on 05/17/2017. Reset at inspection on 06/06/2017 (inoperable up to 20 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I005	Site Monitoring Area No. PT-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	--	-	I00502040009: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	--	I00503010030: Earthen Berm	CA	9/9/2015	8/10/2015
--	-	-	-	-	I00503060017: Straw Wattle	CA	-	9/4/2014
-	--	-	-	--	I00503060018: Straw Wattle	CA	-	9/4/2014
--	-	-	-	-	I00503120015: Rock Berm	CA	-	9/4/2014
--	-	-	--	-	I00503140039: Coir Log	CA	-	9/4/2015
-	-	-	-	-	I00504030016: Rock Channel/Swale	CA	-	9/4/2014
-	-	-	--	-	I00504040005: Culvert	BCM	12/1/2010	11/1/2010
-	-	-	-	-	I00504060038: Rip Rap	CA	9/9/2015	8/10/2015
-	-	-	--	-	I00505020037: Sediment Basin	CA	9/9/2015	8/10/2015
-	--	-	-	-	I00506010021: Rock Check Dam	CA	-	9/4/2014
--	-	-	--	-	I00506010022: Rock Check Dam	CA	-	9/4/2014
-	--	-	-	--	I00506010023: Rock Check Dam	CA	-	9/4/2014
--	-	-	-	-	I00506010024: Rock Check Dam	CA	-	9/4/2014
-	-	-	-	-	I00506010026: Rock Check Dam	CA	-	9/4/2014
-	--	-	-	-	I00506010027: Rock Check Dam	CA	-	9/4/2014

**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: I005	Site Monitoring Area No. PT-SMA-3	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	--	-	--	I00506010031: Rock Check Dam	CA	9/9/2015	8/10/2015
-	-	-	-	-	I00506010032: Rock Check Dam	CA	9/9/2015	8/10/2015
--	-	-	-	-	I00506010033: Rock Check Dam	CA	9/9/2015	8/10/2015
-	-	-	-	-	I00506010034: Rock Check Dam	CA	9/9/2015	8/10/2015
-	--	-	--	--	I00506010035: Rock Check Dam	CA	9/9/2015	8/10/2015
--	-	-	-	-	I00506010036: Rock Check Dam	CA	9/9/2015	8/10/2015
-	-	-	-	--	-	-	--	-
-	--	-	--	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I007	Site Monitoring Area No. PT-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	I00701010037: Seed and Wood Mulch	CA	-	9/23/2016
-	-	-	-	-	I00701010053: Seed and Wood Mulch	CA	-	9/23/2016
-	-	-	-	-	I00701010054: Seed and Wood Mulch	CA	-	9/23/2016
-	-	-	-	-	I00701010058: Seed and Wood Mulch	CA	-	9/23/2016
-	-	-	-	-	I00701020038: Seed and Gravel Mulch	CA	-	9/23/2016
-	-	-	-	-	I00701060021: Erosion Control Blanket	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00702040008: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	I00703010014: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010022: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010024: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010025: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010026: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010027: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010028: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010029: Earthen Berm	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00703010035: Earthen Berm	CA	-	9/23/2016

**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler attempted but was unable to collect a sample on 08/12/2017 at 02:14. Reset at inspection on 08/29/2017 (inoperable 17 d). The sampler attempted but was unable to collect a sample on 09/01/2017 at 19:49. Reset at inspection on 09/13/2017 (inoperable 12 d). The sampler attempted but was unable to collect a sample on 09/27/2017 at 10:42 and 16:53. Reset at inspection on 09/29/2017 (inoperable 2 d). The sampler attempted but was unable to collect a sample on 10/01/2017 at 00:56. Reset at inspection on 10/10/2017 (inoperable 9 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I007	Site Monitoring Area No. PT-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	I00703010044: Earthen Berm	CA	--	9/23/2016
--	--	--	--	--	I00703120007: Rock Berm	BCM	--	8/9/2012
--	--	--	--	--	I00703120009: Rock Berm	BCM	--	5/12/2014
--	--	--	--	--	I00703140015: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00703140016: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00703140017: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00703140018: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00703140019: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00703140020: Coir Log	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00704040005: Culvert	BCM	12/1/2010	11/1/2010
--	--	--	--	--	I00704050023: Water Bar	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00704060002: Rip Rap	BCM	12/1/2010	11/1/2010
--	--	--	--	--	I00704060034: Rip Rap	CA	11/27/2015	10/28/2015
--	--	--	--	--	I00704060036: Rip Rap	CA	--	9/23/2016
--	--	--	--	--	I00704060040: Rip Rap	CA	--	9/23/2016
--	--	--	--	--	I00704060041: Rip Rap	CA	--	9/23/2016

**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler attempted but was unable to collect a sample on 08/12/2017 at 02:14. Reset at inspection on 08/29/2017 (inoperable 17 d). The sampler attempted but was unable to collect a sample on 09/01/2017 at 19:49. Reset at inspection on 09/13/2017 (inoperable 12 d). The sampler attempted but was unable to collect a sample on 09/27/2017 at 10:42 and 16:53. Reset at inspection on 09/29/2017 (inoperable 2 d). The sampler attempted but was unable to collect a sample on 10/01/2017 at 00:56. Reset at inspection on 10/10/2017 (inoperable 9 d). The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I007	Site Monitoring Area No. PT-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	I00704060043: Rip Rap	CA	-	9/23/2016
-	-	-	-	-	I00704060045: Rip Rap	CA	-	9/23/2016
-	-	-	-	-	I00704060046: Rip Rap	CA	-	9/23/2016
-	-	-	-	-	I00704060048: Rip Rap	CA	-	9/23/2016
-	-	--	-	--	I00704060055: Rip Rap	CA	-	9/23/2016
-	-	-	-	-	I00704060057: Rip Rap	CA	-	9/23/2016
-	-	-	-	-	I00704080049: TRM-Lined Swale	CA	-	9/23/2016
-	-	-	-	-	I00704080050: TRM-Lined Swale	CA	-	9/23/2016
-	-	-	-	-	I00704080051: TRM-Lined Swale	CA	-	9/23/2016
-	-	-	-	-	I00706010010: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00706010011: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00706010012: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00706010013: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00706010031: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00706010032: Rock Check Dam	CA	11/27/2015	10/28/2015
-	-	-	-	-	I00706010033: Rock Check Dam	CA	11/27/2015	10/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler attempted but was unable to collect a sample on 08/12/2017 at 02:14. Reset at inspection on 08/29/2017 (inoperable 17 d). The sampler attempted but was unable to collect a sample on 09/01/2017 at 19:49. Reset at inspection on 09/13/2017 (inoperable 12 d). The sampler attempted but was unable to collect a sample on 09/27/2017 at 10:42 and 16:53. Reset at inspection on 09/29/2017 (inoperable 2 d). The sampler attempted but was unable to collect a sample on 10/01/2017 at 00:56. Reset at inspection on 10/10/2017 (inoperable 9 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: I007	Site Monitoring Area No. PT-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	I00706010039: Rock Check Dam	CA	--	9/23/2016
--	-	--	--	-	I00706010042: Rock Check Dam	CA	-	9/23/2016
-	-	--	-	-	I00706010047: Rock Check Dam	CA	--	9/23/2016
-	-	--	-	-	I00707010052: Gabion	CA	-	9/23/2016
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**Comments:** The sampler was activated for corrective action monitoring on 05/26/2017. The sampler attempted but was unable to collect a sample on 08/12/2017 at 02:14. Reset at inspection on 08/29/2017 (inoperable 17 d). The sampler attempted but was unable to collect a sample on 09/01/2017 at 19:49. Reset at inspection on 09/13/2017 (inoperable 12 d). The sampler attempted but was unable to collect a sample on 09/27/2017 at 10:42 and 16:53. Reset at inspection on 09/29/2017 (inoperable 2 d). The sampler attempted but was unable to collect a sample on 10/01/2017 at 00:56. Reset at inspection on 10/10/2017 (inoperable 9 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R001	Site Monitoring Area No. R-SMA-0.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	R00102040025: Established Vegetation	BCM	--	5/6/2013
--	--	--	--	--	R00103030006: Log Berm	BCM	4/29/2011	12/6/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 11/29/2012 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R002	Site Monitoring Area No. R-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	--	R00201010011: Seed and Wood Mulch	CA	-	5/3/2016
-	--	-	--	-	R00202040008: Established Vegetation	BCM	-	5/6/2013
--	-	--	-	-	R00204060006: Rip Rap	BCM	4/29/2011	4/26/2011
-	--	-	--	-	R00204060007: Rip Rap	BCM	4/29/2011	4/26/2011
--	-	--	-	-	R00204060009: Rip Rap	BCM	-	10/30/2014
-	--	-	--	-	R00204060010: Rip Rap	BCM	-	10/30/2014
-	-	--	-	-	R00204060013: Rip Rap	CA	-	5/3/2016
-	-	-	--	-	R00204060014: Rip Rap	CA	--	5/3/2016
-	-	-	-	-	R00204060016: Rip Rap	CA	-	5/3/2016
-	-	-	-	--	R00204060017: Rip Rap	CA	--	5/3/2016
-	-	-	-	-	R00204060018: Rip Rap	CA	-	5/3/2016
-	--	-	-	--	R00204080012: TRM-Lined Swale	CA	--	5/3/2016
-	-	-	-	-	R00206010005: Rock Check Dam	BCM	4/29/2011	4/26/2011
-	-	-	-	--	R00206010015: Rock Check Dam	CA	--	5/3/2016
-	-	-	--	-	R00207010002: Gabions	BCM	4/29/2011	4/26/2011
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 08/13/2015 for Site C-00-041 and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R003	Site Monitoring Area No. R-SMA-1.95	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	--	R00302040008: Established Vegetation	BCM	-	5/6/2013
-	-	-	-	-	R00303010021: Earthen Berm	CA	10/25/2014	9/25/2014
--	-	-	-	-	R00303060005: Straw Wattle	BCM	4/29/2011	12/6/2010
-	-	-	-	--	R00303060023: Straw Wattle	CA	-	8/4/2016
--	-	-	-	-	R00303140009: Coir Log	CA	10/25/2014	9/25/2014
-	--	-	-	--	R00303140010: Coir Log	CA	10/25/2014	9/25/2014
-	-	-	-	-	R00303140011: Coir Log	CA	10/25/2014	9/25/2014
--	-	-	-	-	R00303140012: Coir Log	CA	10/25/2014	9/25/2014
-	--	-	-	--	R00303140013: Coir Log	CA	10/25/2014	9/25/2014
--	-	-	-	-	R00303140014: Coir Log	CA	10/25/2014	9/25/2014
-	--	-	-	--	R00303140015: Coir Log	CA	10/25/2014	9/25/2014
--	-	-	-	-	R00303140016: Coir Log	CA	10/25/2014	9/25/2014
-	--	-	-	-	R00303140017: Coir Log	CA	10/25/2014	9/25/2014
--	-	-	-	-	R00303140018: Coir Log	CA	10/25/2014	9/25/2014
-	--	-	-	-	R00303140019: Coir Log	CA	10/25/2014	9/25/2014
--	-	-	-	-	R00303140020: Coir Log	CA	10/25/2014	9/25/2014

**Comments:** The sampler was activated for corrective action monitoring on 05/23/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R003	Site Monitoring Area No. R-SMA-1.95	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	R00304010003: Earthen Channel/Swale	BCM	4/29/2011	12/6/2010
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**Comments:** The sampler was activated for corrective action monitoring on 05/23/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R004	Site Monitoring Area No. R-SMA-2.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	R00402040005: Established Vegetation	BCM	--	5/6/2013
-	-	-	--	-	R00406030002: Juniper Bales	BCM	12/1/2010	11/1/2010
-	--	-	--	-	R00406030003: Juniper Bales	BCM	12/1/2010	11/1/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/18/2017. The sampler was found to be tipped over on 11/07/2017. The sampler was last known to be operable at the prior inspection on 10/06/17 (inoperable up to 42 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R005	Site Monitoring Area No. R-SMA-2.3	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	R00502040004: Established Vegetation	BCM	-	5/6/2013
-	--	-	--	-	R00503060005: Straw Wattle	BCM	-	11/13/2013
-	-	--	-	--	R00503060006: Straw Wattle	BCM	-	11/13/2013
-	--	-	--	-	R00503060007: Straw Wattle	BCM	-	11/13/2013
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 07/23/2013.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: R006	Site Monitoring Area No. R-SMA-2.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	R00602040007: Established Vegetation	BCM	-	5/6/2013
-	-	-	-	-	R00604060004: Rip Rap	BCM	4/29/2011	12/6/2010
-	-	-	-	-	R00606010003: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	-	-	-	-	R00606010005: Rock Check Dam	BCM	4/29/2011	12/6/2010
-	-	-	-	-	R00606010006: Rock Check Dam	BCM	4/29/2011	12/6/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/18/2017. The sampler was found to be off due to vandalism on 09/07/2017. The sampler was last known to be operable at the prior inspection on 08/09/2017 (inoperable up to 29 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: S001	Site Monitoring Area No. S-SMA-0.25	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	S00102040011: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	S00103090017: Curbing	CA	-	10/20/2015
-	-	-	-	-	S00103100018: Gravel Bags	CA	-	8/8/2016
-	-	-	-	-	S00103100019: Gravel Bags	CA	-	8/8/2016
-	-	-	-	-	S00104030014: Rock Channel/Swale	CA	7/27/2014	6/27/2014
-	-	-	-	-	S00104060007: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	S00105010013: Sediment Trap	CA	7/27/2014	6/27/2014
-	-	-	-	-	S00105050012: Bioretention Basin	CA	7/27/2014	6/27/2014
-	-	-	-	-	S00107010008: Gabions	BCM	12/1/2010	11/1/2010
-	-	-	-	-	S00107020003: Gabion Blanket	BCM	12/1/2010	11/1/2010
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring conducted in 2017. Control measures eliminating exposure of pollutants to stormwater were certified per E.2(c) on 09/29/2015. The sample required under E.1(b) was collected on 06/04/2016.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S002	Site Monitoring Area No. S-SMA-1.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	S00203010018: Earthen Berm	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00203060021: Straw Wattle	CA	--	1/3/2018
--	--	--	--	--	S00203090017: Curbing	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00204040016: Culvert	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00204060014: Rip Rap	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00204060015: Rip Rap	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00204060019: Rip Rap	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00205020013: Sediment Basin	CA	12/27/2012	11/27/2012
--	--	--	--	--	S00207010003: Gabions	BCM	4/29/2011	4/28/2011
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 08/27/2013 for Site 03-029 and a request for force majeure extension of the deadline to complete corrective action was requested on 09/23/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S003	Site Monitoring Area No. S-SMA-2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	S00301010015: Seed and Wood Mulch	CA	8/7/2013	7/8/2013
-	-	-	-	-	S00302040022: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	-	S00303140026: Coir Log	CA	-	9/18/2014
-	-	-	-	-	S00304040024: Culvert	CA	-	9/18/2014
-	-	-	-	-	S00304060005: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	S00304060009: Rip Rap	BCM	12/1/2010	11/1/2010
-	-	-	-	-	S00304060011: Rip Rap	BCM	-	5/29/2012
-	-	-	-	-	S00304060012: Rip Rap	CA	8/7/2013	7/8/2013
-	-	-	-	-	S00304060021: Rip Rap	CA	8/7/2013	7/8/2013
-	-	-	-	-	S00304060025: Rip Rap	CA	-	9/18/2014
-	-	-	-	-	S00304080023: TRM-Lined Swale	CA	-	9/18/2014
-	-	-	-	-	S00305040014: Gravel Infiltration Strip	CA	8/7/2013	7/8/2013
-	-	-	-	-	S00306010018: Rock Check Dam	CA	8/7/2013	7/8/2013
-	-	-	-	-	S00306010019: Rock Check Dam	CA	8/7/2013	7/8/2013
-	-	-	-	-	S00306010020: Rock Check Dam	CA	8/7/2013	7/8/2013
-	-	-	-	-	-	-	-	-

**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance requests were approved for Sites 03-045(b) and 03-045(c) on 03/27/2014, and petitions to delete these two Sites were submitted 10/21/2015. Corrective action was completed on 03-056(c) on 11/29/2012 with certification of completion of corrective action under E.2(d). A Certificate of Completion under NMED's Consent Order was requested on 08/27/2013 for Site 03-012(b) and a request for force majeure extension of the deadline to complete corrective action at this Site was requested on 09/23/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S003A	Site Monitoring Area No. S-SMA-2.01	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	S003A01010018: Seed and Wood Mulch	CA	-	9/28/2016
--	-	--	-	--	S003A01010021: Seed and Wood Mulch	CA	-	9/28/2016
--	-	--	-	--	S003A02040009: Established Vegetation	BCM	-	4/26/2013
-	-	-	-	-	S003A03010017: Earthen Berm	CA	-	9/28/2016
-	--	-	-	-	S003A03010020: Earthen Berm	CA	-	9/28/2016
-	--	-	--	-	S003A03140022: Coir Log	CA	-	10/24/2017
-	-	-	-	--	S003A03140023: Coir Log	CA	--	10/24/2017
-	--	-	-	-	S003A04040013: Culvert	CA	-	9/28/2016
-	-	--	-	-	S003A04040015: Culvert	CA	-	9/28/2016
-	-	-	--	-	S003A04060003: Rip Rap	BCM	4/29/2011	12/9/2010
-	-	-	-	--	S003A04060010: Rip Rap	CA	--	9/28/2016
-	-	-	-	-	S003A04060016: Rip Rap	CA	-	9/28/2016
-	-	-	-	--	S003A05020011: Sediment Basin	CA	--	9/28/2016
-	-	-	--	-	S003A05020012: Sediment Basin	CA	-	9/28/2016
--	-	--	-	-	S003A05020014: Sediment Basin	CA	-	9/28/2016
-	-	-	--	-	S003A05060019: Infiltration Basin	CA	-	9/28/2016

**Comments:** No confirmation monitoring was conducted in 2017. A request for force majeure extension to the deadline for completion of corrective action at Site 03-052(b) was requested on 09/23/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S004	Site Monitoring Area No. S-SMA-2.8	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	S00402040008: Established Vegetation	BCM	-	4/26/2013
-	-	-	-	-	S00403010005: Earthen Berm	BCM	4/29/2011	12/9/2010
-	-	--	-	--	S00403020004: Base Course Berm	BCM	4/29/2011	12/9/2010
-	-	-	-	-	S00403020010: Base Course Berm	BCM	--	6/1/2017
-	--	-	-	-	S00403060009: Straw Wattle	BCM	-	7/21/2014
-	-	-	-	-	S00408040007: Metal Cap	BCM	-	12/12/2012
-	-	-	-	--	-	-	--	--
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**Comments:** The sampler was activated for baseline monitoring on 05/23/2017. The sampler was shut down for the winter on 11/09/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S005	Site Monitoring Area No. S-SMA-3.51	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	S00501010018: Seed and Wood Mulch	CA	-	5/23/2017
-	-	--	-	--	S00502040013: Established Vegetation	BCM	-	4/26/2013
-	--	--	--	-	S00503010016: Earthen Berm	CA	-	5/23/2017
--	-	--	-	-	S00503010017: Earthen Berm	CA	-	5/23/2017
-	--	--	-	--	S00503120019: Rock Berm	BCM	-	9/20/2017
--	-	--	--	-	S00504040020: Culvert	BCM	-	9/20/2017
-	-	--	-	--	S00506010007: Rock Check Dam	BCM	4/29/2011	12/9/2010
--	-	--	--	-	S00506010009: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	--	-	--	S00506010010: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	--	--	-	S00506010012: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	--	-	--	S00506010015: Rock Check Dam	BCM	-	11/5/2014
-	--	--	--	-	-	-	-	--
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. The sampler was shut down for the winter on 11/16/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: S005A	Site Monitoring Area No. S-SMA-3.52	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	S005A02040005: Established Vegetation	BCM	-	4/26/2013
-	--	-	-	-	S005A03010009: Earthen Berm	BCM	-	6/1/2017
-	--	-	-	-	S005A04080010: TRM-Lined Swale	BCM	-	6/1/2017
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**Comments:** The sampler was activated for baseline monitoring on 05/24/2017. The sampler was deactivated on 06/28/2017 to be relocated. The sampler was reactivated for baseline monitoring at the new location on 08/07/2017 (inoperable 40 days). The sampler was shut down for the winter on 11/16/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S005B	Site Monitoring Area No. S-SMA-3.53	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	S005B02040009: Established Vegetation	BCM	--	4/26/2013
--	--	--	--	--	S005B03120005: Rock Berm	BCM	4/29/2011	12/9/2010
--	--	--	--	--	S005B04040007: Culvert	CA	6/1/2013	5/2/2013
--	--	--	--	--	S005B04060006: Rip Rap	CA	6/1/2013	5/2/2013
--	--	--	--	--	S005B06010003: Rock Check Dam	BCM	4/29/2011	12/9/2010
--	--	--	--	--	S005B06010004: Rock Check Dam	BCM	4/29/2011	12/9/2010
--	--	--	--	--	S005B08030008: Concrete/Asphalt Cap	CA	6/1/2013	5/2/2013
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 08/27/2013 for Site 03-014(b2) and a request for force majeure extension of the deadline to complete corrective action was requested on 09/23/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S006	Site Monitoring Area No. S-SMA-3.6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	S00602040021: Established Vegetation	BCM	-	4/26/2013
-	--	-	-	-	S00603010019: Earthen Berm	CA	12/27/2012	11/27/2012
-	--	-	-	-	S00603010020: Earthen Berm	CA	12/27/2012	11/27/2012
-	--	-	-	-	S00603060041: Straw Wattle	CA	-	10/3/2016
-	--	-	-	-	S00603100030: Gravel Bags	CA	-	9/24/2013
-	--	-	-	-	S00603110034: Eco-Block	CA	-	10/3/2016
-	--	-	-	-	S00603140042: Coir Log	CA	-	10/3/2016
-	--	-	-	-	S00604040035: Culvert	CA	-	10/3/2016
-	--	-	-	-	S00604040036: Culvert	CA	-	10/3/2016
-	--	-	-	-	S00604040043: Culvert	CA	-	8/30/2017
-	--	-	-	-	S00604060010: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	-	-	-	S00604060011: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	-	-	-	S00604060028: Rip Rap	CA	-	4/26/2013
-	--	-	-	-	S00604060029: Rip Rap	CA	-	4/26/2013
-	--	-	-	-	S00604060037: Rip Rap	CA	-	10/3/2016
-	--	-	-	-	S00604060038: Rip Rap	CA	-	10/3/2016

**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 08/27/2013 for Site 60-007(b) and a request for force majeure extension of the deadline to complete corrective action was requested on 09/23/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: S006	Site Monitoring Area No. S-SMA-3.6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	S00606010001: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	--	-	--	-	S00606010012: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	--	-	-	--	S00606010013: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	-	--	-	-	S00606010016: Rock Check Dam	CA	12/27/2012	11/27/2012
-	-	-	--	-	S00606010017: Rock Check Dam	CA	12/27/2012	11/27/2012
-	--	-	-	--	S00606010018: Rock Check Dam	CA	12/27/2012	11/27/2012
-	--	-	-	--	S00606010031: Rock Check Dam	CA	-	11/5/2014
--	-	-	--	-	S00606010032: Rock Check Dam	CA	-	11/5/2014
-	-	--	-	-	S00606010033: Rock Check Dam	CA	-	11/5/2014
-	-	-	--	-	S00607010007: Gabions	BCM	12/1/2010	11/1/2010
-	--	-	-	--	S00607010008: Gabions	BCM	12/1/2010	11/1/2010
--	-	--	-	-	S00607010026: Gabions	CA	-	4/26/2013
-	-	-	--	-	S00607020024: Gabion Blanket	CA	-	4/26/2013
-	-	-	--	-	S00607020025: Gabion Blanket	CA	--	4/26/2013
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**Comments:** No confirmation monitoring was conducted in 2017. A Certificate of Completion under NMED's Consent Order was requested on 08/27/2013 for Site 60-007(b) and a request for force majeure extension of the deadline to complete corrective action was requested on 09/23/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>	NPDES Permit No.: NM0030759
Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S007	Site Monitoring Area No. S-SMA-3.7	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	--	S00702040006: Established Vegetation	BCM	--	4/26/2013
-	--	-	-	--	S00703120004: Rock Berm	BCM	4/29/2011	12/9/2010
-	--	--	-	-	S00703120005: Rock Berm	BCM	4/29/2011	12/9/2010
-	--	-	-	--	S00704030003: Rock Channel/Swale	BCM	4/29/2011	12/9/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S008	Site Monitoring Area No. S-SMA-3.71	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	S00802040015: Established Vegetation	BCM	-	4/26/2013
-	-	-	-	-	S00803010013: Earthen Berm	BCM	-	7/22/2011
-	-	-	-	-	S00803010014: Earthen Berm	BCM	-	7/22/2011
-	-	-	-	-	S00804020002: Concrete/Asphalt Channel/Swale	BCM	4/29/2011	12/9/2010
-	-	-	-	-	S00806010008: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	-	-	-	S00806010009: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	-	-	-	S00806010010: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	-	-	-	S00806010011: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	-	-	-	-	S00807010001: Gabions	BCM	4/29/2011	12/9/2010
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/25/2017. The sampler attempted but was unable to collect a sample on 09/17/2017 at 19:49 and 09/23/2017 at 14:23. Reset at inspection on 09/28/2017 (inoperable 5 d). The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S009	Site Monitoring Area No. S-SMA-3.72	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	S00902040011: Established Vegetation	BCM	-	4/26/2013
-	--	-	-	-	S00903010009: Earthen Berm	BCM	-	7/28/2011
-	--	-	-	-	S00903010010: Earthen Berm	BCM	-	7/28/2011
-	--	-	-	-	S00903120003: Rock Berm	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S00906010005: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S00906010006: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S00906010007: Rock Check Dam	BCM	4/29/2011	12/9/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/29/2015 with certification of completion of corrective action under E.2(d).

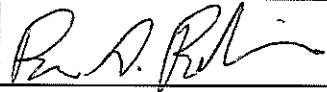
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S010	Site Monitoring Area No. S-SMA-3.95	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	S01002040007: Established Vegetation	BCM	-	5/2/2013
-	-	-	-	-	S01003060006: Straw Wattle	BCM	-	10/24/2012
-	-	-	-	-	S01004010009: Earthen Channel/Swale	BCM	-	11/7/2014
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S011	Site Monitoring Area No. S-SMA-4.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	S01101010007: Seed and Wood Mulch	CA	10/25/2012	9/25/2012
--	-	-	--	-	S01103060012: Straw Wattle	CA	--	2/19/2014
--	-	-	-	--	S01103060013: Straw Wattle	CA	-	2/18/2014
-	--	-	-	-	S01103090005: Curbing	CA	10/25/2012	9/25/2012
-	-	--	-	-	S01103120008: Rock Berm	CA	10/25/2012	9/25/2012
-	-	-	--	-	S01104020006: Concrete/Asphalt Channel/Swale	CA	10/25/2012	9/25/2012
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 08/21/2013 with certification of completion of corrective action under E.2(d).

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S013	Site Monitoring Area No. S-SMA-5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	S01302040011: Established Vegetation	BCM	-	10/22/2014
-	-	-	-	-	S01303030009: Log Berm	BCM	-	3/14/2014
-	-	-	-	-	S01303060010: Straw Wattle	BCM	-	10/18/2017
-	-	-	-	-	S01304060003: Rip Rap	BCM	4/29/2011	4/26/2011
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/23/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S014	Site Monitoring Area No. S-SMA-5.2	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	S01402040016: Established Vegetation	BCM	-	5/2/2013
-	--	-	-	-	S01403120017: Rock Berm	BCM	-	11/7/2014
-	--	-	-	-	S01404060011: Rip Rap	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S01406010006: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S01406010008: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S01406010009: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S01406010010: Rock Check Dam	BCM	4/29/2011	12/9/2010
-	--	-	-	-	S01406010018: Rock Check Dam	BCM	-	11/7/2014
-	--	-	-	-	S01406010019: Rock Check Dam	BCM	-	11/7/2014
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**Comments:** The sampler was activated for baseline monitoring on 05/17/2017. The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S015	Site Monitoring Area No. S-SMA-5.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	S01502040005: Established Vegetation	BCM	--	5/2/2013
--	--	--	--	--	S01503010004: Earthen Berm	BCM	4/29/2011	4/26/2011
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S016	Site Monitoring Area No. S-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	S01602040012: Established Vegetation	BCM	--	5/8/2013
Aluminum, F	Y	1070	ug/L	MTAL	S01603010006: Earthen Berm	BCM	4/29/2011	4/28/2011
Aluminum, F	N	378	ug/L	D	S01604060014: Rip Rap	CA	--	11/29/2014
Antimony, F	N	78.7	ug/L	D	S01606010013: Rock Check Dam	CA	--	11/29/2014
Antimony, F	N	7.94	ug/L	D	--	--	--	--
Arsenic, F	N	< 2	ug/L	ND	--	--	--	--
Arsenic, F	N	< 2	ug/L	ND	--	--	--	--
Boron, F	N	< 15	ug/L	ND	--	--	--	--
Boron, F	N	< 15	ug/L	ND	--	--	--	--
Cadmium, F	N	< 0.3	ug/L	ND	--	--	--	--
Cadmium, F	N	< 0.3	ug/L	ND	--	--	--	--
Chromium, F	N	< 3	ug/L	ND	--	--	--	--
Chromium, F	N	< 3	ug/L	ND	--	--	--	--
Cobalt, F	N	2.1	ug/L	D	--	--	--	--
Cobalt, F	N	< 1	ug/L	ND	--	--	--	--
Copper, F	Y	65.3	ug/L	MTAL	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/30/2017. The sampler malfunctioned during inspection on 06/08/2017 and equipment was replaced on 06/13/2017 (inoperable 5 d). A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated on 08/10/2017 for corrective action monitoring (inoperable 15 d). Insufficient volume was collected on 09/27/2017 at 17:41. The sample was not retrieved. Reset at inspection on 09/28/2017 (inoperable 1 d). The sampler was shut down on 09/29/2017 after collection of the second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.

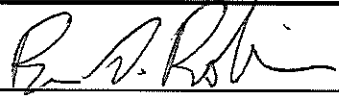
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S016	Site Monitoring Area No. S-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Copper, F	Y	9.73	ug/L	MTAL	--	--	--	--
Cyanide, weak acid dissociable, UF	N	0.00171	mg/L	D	--	--	--	--
Cyanide, weak acid dissociable, UF	N	0.00171	mg/L	D	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Gross alpha, UF	Y	116	pCi/L	ATAL	--	--	--	--
Gross alpha, UF	N	6.6	pCi/L	D	--	--	--	--
Lead, F	Y	129	ug/L	MTAL	--	--	--	--
Lead, F	Y	36.5	ug/L	MTAL	--	--	--	--
Mercury, UF	N	0.552	ug/L	D	--	--	--	--
Mercury, UF	N	0.552	ug/L	D	--	--	--	--
Mercury, UF	N	0.073	ug/L	D	--	--	--	--
Mercury, UF	N	0.073	ug/L	D	--	--	--	--
Nickel, F	N	2.06	ug/L	D	--	--	--	--
Nickel, F	N	< 0.6	ug/L	ND	--	--	--	--
Radium-226 and Radium-228, UF	N	21.7	pCi/L	D	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/30/2017. The sampler malfunctioned during inspection on 06/08/2017 and equipment was replaced on 06/13/2017 (inoperable 5 d). A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated on 08/10/2017 for corrective action monitoring (inoperable 15 d). Insufficient volume was collected on 09/27/2017 at 17:41. The sample was not retrieved. Reset at inspection on 09/28/2017 (inoperable 1 d). The sampler was shut down on 09/29/2017 after collection of the second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: S016	Site Monitoring Area No. S-SMA-6	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Radium-226 and Radium-228, UF	N	< 0.411	pCi/L	ND No MQL	--	--	--	--
RDX, UF	N	< 0.16	ug/L	ND	--	--	--	--
RDX, UF	N	< 0.105	ug/L	ND	--	--	--	--
Selenium, UF	Y	9.9	ug/L	ATAL	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Total PCB, UF	Y	0.00441	ug/L	ATAL	--	--	--	--
Total PCB, UF	Y	0.00241	ug/L	ATAL	--	--	--	--
Trinitrotoluene[2,4,6-], UF	N	< 0.16	ug/L	ND	--	--	--	--
Trinitrotoluene[2,4,6-], UF	N	< 0.105	ug/L	ND	--	--	--	--
Vanadium, F	N	< 1	ug/L	ND	--	--	--	--
Vanadium, F	N	< 1	ug/L	ND	--	--	--	--
Zinc, F	N	4.94	ug/L	D	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/30/2017. The sampler malfunctioned during inspection on 06/08/2017 and equipment was replaced on 06/13/2017 (inoperable 5 d). A corrective action monitoring sample was collected on 07/26/2017. The sampler was reactivated on 08/10/2017 for corrective action monitoring (inoperable 15 d). Insufficient volume was collected on 09/27/2017 at 17:41. The sample was not retrieved. Reset at inspection on 09/28/2017 (inoperable 1 d). The sampler was shut down on 09/29/2017 after collection of the second corrective action monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.

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			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J028	Site Monitoring Area No. STRM-SMA-1.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	--	J02802040009: Established Vegetation	BCM	-	5/8/2013
-	-	--	-	--	J02804060006: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	-	-	-	J02806010004: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	-	-	-	-	J02806010005: Rock Check Dam	BCM	12/1/2010	11/1/2010
--	-	--	-	-	J02806010007: Rock Check Dam	BCM	-	7/25/2012
-	-	-	-	-	J02808030008: Concrete/Asphalt Cap	CA	6/1/2013	5/2/2013
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

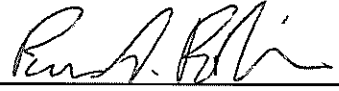
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			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J029	Site Monitoring Area No. STRM-SMA-1.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	J02902040018: Established Vegetation	BCM	-	5/8/2013
-	-	-	-	--	J02903010009: Earthen Berm	BCM	--	8/31/2011
--	-	-	--	-	J02903010011: Earthen Berm	BCM	-	8/31/2011
-	-	-	-	-	J02903010013: Earthen Berm	CA	8/7/2013	7/8/2013
-	--	-	-	--	J02903010014: Earthen Berm	CA	8/7/2013	7/8/2013
--	-	-	--	-	J02903120015: Rock Berm	CA	8/7/2013	7/8/2013
-	-	-	--	-	J02904010019: Earthen Channel/Swale	CA	10/4/2015	9/4/2015
-	--	-	-	--	J02904060016: Rip Rap	CA	8/7/2013	7/8/2013
-	-	-	-	-	J02904060020: Rip Rap	CA	10/4/2015	9/4/2015
--	-	-	--	-	J02908030017: Concrete/Asphalt Cap	CA	8/7/2013	7/8/2013
-	-	--	-	-	-	--	-	--
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-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/15/2017. The sampler was shut down for the winter on 11/14/2017.


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Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J030	Site Monitoring Area No. STRM-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	2190	ug/L	MTAL	J03002040006: Established Vegetation	BCM	--	4/23/2013
Aluminum, F	Y	1980	ug/L	MTAL	J03003010004: Earthen Berm	CA	9/16/2012	8/17/2012
Antimony, F	N	< 1	ug/L	ND	J03004010002: Earthen Channel/Swale	BCM	12/1/2010	11/1/2010
Antimony, F	N	< 1	ug/L	ND	--	--	--	--
Arsenic, F	N	< 2	ug/L	ND	--	--	--	--
Arsenic, F	N	< 2	ug/L	ND	--	--	--	--
Boron, F	N	82.1	ug/L	D	--	--	--	--
Boron, F	N	87.2	ug/L	D	--	--	--	--
Cadmium, F	N	< 0.3	ug/L	ND	--	--	--	--
Cadmium, F	N	< 0.3	ug/L	ND	--	--	--	--
Chromium, F	N	< 3	ug/L	ND	--	--	--	--
Chromium, F	N	< 3	ug/L	ND	--	--	--	--
Cobalt, F	N	< 1	ug/L	ND	--	--	--	--
Cobalt, F	N	< 1	ug/L	ND	--	--	--	--
Copper, F	Y	8.81	ug/L	MTAL	--	--	--	--
Copper, F	Y	5.26	ug/L	MTAL	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/23/2017. The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 07/03/2017 (inoperable 8 d). A corrective action monitoring sample was collected on 07/29/2017. The sampler was reactivated on 08/10/2017 for corrective action monitoring (inoperable 12 d). The sampler was shut down on 09/27/2017 after collection of the second corrective action monitoring sample. D-Delected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J030	Site Monitoring Area No. STRM-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Gross alpha, UF	N	4.7	pCi/L	D	--	--	--	--
Gross alpha, UF	N	3.52	pCi/L	D	--	--	--	--
Lead, F	N	1.43	ug/L	D	--	--	--	--
Lead, F	N	1.46	ug/L	D	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Mercury, UF	N	0.079	ug/L	D	--	--	--	--
Mercury, UF	N	0.079	ug/L	D	--	--	--	--
Nickel, F	N	1.88	ug/L	D	--	--	--	--
Nickel, F	N	1.55	ug/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	< 0.286	pCi/L	ND No MQL	--	--	--	--
Radium-226 and Radium-228, UF	N	1.26	pCi/L	D	--	--	--	--

**Comments:** The sampler was activated for corrective action monitoring on 05/23/2017. The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 07/03/2017 (inoperable 8 d). A corrective action monitoring sample was collected on 07/29/2017. The sampler was reactivated on 08/10/2017 for corrective action monitoring (inoperable 12 d). The sampler was shut down on 09/27/2017 after collection of the second corrective action monitoring sample. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J030	Site Monitoring Area No. STRM-SMA-4.2	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	Y	0.519	ug/L	MTAL	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Vanadium, F	N	5.27	ug/L	D	--	--	--	--
Vanadium, F	N	3.91	ug/L	D	--	--	--	--
Zinc, F	N	26.8	ug/L	D	--	--	--	--
Zinc, F	N	12.3	ug/L	D	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/23/2017. The sampler attempted but was unable to collect a sample on 06/25/2017 at 15:26. Reset at inspection on 07/03/2017 (inoperable 8 d). A corrective action monitoring sample was collected on 07/29/2017. The sampler was reactivated on 08/10/2017 for corrective action monitoring (inoperable 12 d). The sampler was shut down on 09/27/2017 after collection of the second corrective action monitoring sample. D-Detected, No TAL exceedance MTAL-Result is greater than the MTAL value. ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


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		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: J031	Site Monitoring Area No. STRM-SMA-5.05	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	J03102040013: Established Vegetation	BCM	--	4/23/2013
--	--	--	--	--	J03103010009: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	J03103010012: Earthen Berm	CA	--	7/27/2012
--	--	--	--	--	J03103010014: Earthen Berm	CA	--	10/24/2017
--	--	--	--	--	J03103020004: Base Course Berm	BCM	12/1/2010	11/1/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 02/26/2016.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T002	Site Monitoring Area No. T-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	--	--	--	T00203010013: Earthen Berm	CA	6/11/2014	5/12/2014
--	--	--	--	--	T00203010014: Earthen Berm	CA	6/11/2014	5/12/2014
-	--	--	--	--	T00203010015: Earthen Berm	CA	6/11/2014	5/12/2014
-	--	--	--	--	T00203060020: Straw Wattle	CA	-	11/17/2014
-	--	--	--	--	T00204020016: Concrete/Asphalt Channel/Swale	CA	6/11/2014	5/12/2014
-	--	--	--	--	T00204040017: Culvert	CA	6/11/2014	5/12/2014
-	--	--	--	--	T00204040018: Culvert	CA	6/11/2014	5/12/2014
-	--	--	--	--	T00206010024: Rock Check Dam	CA	--	11/17/2014
-	--	--	--	--	T00206010025: Rock Check Dam	CA	-	11/17/2014
-	--	--	--	--	T00206010026: Rock Check Dam	CA	-	11/17/2014
-	--	--	--	--	T00206010027: Rock Check Dam	CA	-	11/17/2014
-	--	--	--	--	T00208010001: Earth Cap	BCM	4/29/2011	12/13/2010
-	--	--	--	--	T00208010019: Earth Cap	CA	6/11/2014	5/12/2014
-	--	--	--	--	--	--	--	--
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**Comments:** The sampler was activated for monitoring on 05/10/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T004	Site Monitoring Area No. T-SMA-2.85	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	-	-	T00402040007: Established Vegetation	BCM	-	4/30/2013
-	-	-	-	-	T00403090004: Curbing	BCM	4/29/2011	12/13/2010
-	--	-	--	-	T00406010005: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00406010006: Rock Check Dam	BCM	4/29/2011	12/13/2010
--	-	-	-	-	T00406010008: Rock Check Dam	BCM	-	10/27/2014
-	--	-	--	-	T00406010009: Rock Check Dam	BCM	-	10/27/2014
--	-	-	-	-	T00406010010: Rock Check Dam	BCM	-	10/27/2014
-	-	-	--	-	T00406010011: Rock Check Dam	BCM	-	10/27/2014
-	--	-	--	-	--	--	-	--
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T006	Site Monitoring Area No. T-SMA-4	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	T00602040011: Established Vegetation	BCM	-	4/30/2013
-	-	-	--	-	T00603010019: Earthen Berm	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00603090012: Curbing	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00603110013: Eco-Block	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00603120015: Rock Berm	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00603120016: Rock Berm	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00603120017: Rock Berm	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00603120018: Rock Berm	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00604060014: Rip Rap	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00604060022: Rip Rap	CA	11/14/2015	10/15/2015
-	-	-	--	-	T00606010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	--	-	T00606010008: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	--	-	-	-	-	-
-	-	-	--	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).

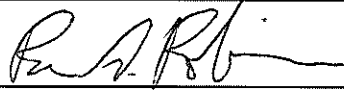
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T007	Site Monitoring Area No. T-SMA-5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	T00702040012: Established Vegetation	BCM	-	4/30/2013
-	-	-	-	-	T00703010008: Earthen Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00705020015: Sediment Basin	BCM	-	9/20/2016
-	-	-	-	-	T00706010002: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00706010004: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00706010009: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00706010011: Rock Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00706010014: Rock Check Dam	BCM	-	10/30/2014
-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/10/2017. The sampler was shut down for the winter on 11/07/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T008	Site Monitoring Area No. T-SMA-6.8	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	T00802040008: Established Vegetation	CA	-	7/7/2015
--	-	-	-	-	T00803100003: Gravel Bags	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T00803140009: Coir Log	BCM	-	7/26/2017
-	-	-	-	-	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Sampling was completed on 10/30/2015 with certification of completion of corrective action under E.2(d).


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T009	Site Monitoring Area No. T-SMA-7	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	207	ug/L	D	T00902040011: Established Vegetation	BCM	--	5/1/2013
Antimony, F	N	< 1	ug/L	ND	T00903010009: Earthen Berm	BCM	--	6/15/2011
Arsenic, F	N	< 2	ug/L	ND	T00903020008: Base Course Berm	BCM	4/29/2011	12/13/2010
Boron, F	N	< 15	ug/L	ND	T00906010002: Rock Check Dam	BCM	4/29/2011	12/13/2010
Cadmium, F	N	< 0.3	ug/L	ND	T00906010003: Rock Check Dam	BCM	4/29/2011	12/13/2010
Chromium, F	N	< 3	ug/L	ND	T00906010006: Rock Check Dam	BCM	4/29/2011	12/13/2010
Cobalt, F	N	< 1	ug/L	ND	T00906010007: Rock Check Dam	BCM	4/29/2011	12/13/2010
Copper, F	N	4.24	ug/L	D	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	--	--	--	--
Gross alpha, UF	Y	18.1	pCi/L	ATAL	--	--	--	--
Lead, F	N	< 0.5	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Mercury, UF	N	< 0.067	ug/L	ND	--	--	--	--
Nickel, F	N	0.784	ug/L	D	--	--	--	--
Radium-226 and Radium-228, UF	N	1.75	pCi/L	D	--	--	--	--

**Comments:** The sampler was activated for baseline monitoring on 05/10/2017. The sampler was shut down for corrective action monitoring on 09/12/2017 after collection of baseline monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: T009	Site Monitoring Area No. T-SMA-7	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Vanadium, F	N	< 1	ug/L	ND	--	--	--	--
Zinc, F	N	4.02	ug/L	D	--	--	--	--
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**Comments:** The sampler was activated for baseline monitoring on 05/10/2017. The sampler was shut down for corrective action monitoring on 09/12/2017 after collection of baseline monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: T010	Site Monitoring Area No. T-SMA-7.1	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	T01002040009: Established Vegetation	BCM	-	5/1/2013
-	-	-	-	-	T01003010007: Earthen Berm	BCM	-	6/15/2011
-	-	-	-	-	T01003010008: Earthen Berm	BCM	-	6/15/2011
-	-	-	-	-	T01003020005: Base Course Berm	BCM	4/29/2011	12/13/2010
-	-	-	-	-	T01006020006: Log Check Dam	BCM	4/29/2011	12/13/2010
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/22/2017. Insufficient volume was collected on 09/12/2017 at 14:53. The sample was not retrieved and sampler was deactivated at inspection on 09/13/2017. The sampler was reactivated on 09/14/2017 for baseline monitoring (inoperable 1 d). The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: W001	Site Monitoring Area No. W-SMA-1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	W00102040019: Established Vegetation	BCM	-	5/7/2013
-	--	-	-	-	W00103010014: Earthen Berm	CA	6/1/2013	5/2/2013
-	--	-	-	-	W00103010015: Earthen Berm	CA	6/1/2013	5/2/2013
-	--	-	-	-	W00104060011: Rip Rap	BCM	12/1/2010	11/1/2010
-	--	-	-	-	W00104060017: Rip Rap	CA	6/1/2013	5/2/2013
-	--	-	-	-	W00105030016: Sand Filter	CA	6/1/2013	5/2/2013
-	--	-	-	-	W00106010008: Rock Check Dam	BCM	12/1/2010	11/1/2010
-	--	-	-	-	W00106010012: Rock Check Dam	CA	6/1/2013	5/2/2013
-	--	-	-	-	W00106010013: Rock Check Dam	CA	6/1/2013	5/2/2013
-	--	-	-	-	W00108020018: Rock Cap	CA	6/1/2013	5/2/2013
-	--	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for monitoring on 05/08/2017 to collect a sample per Part I, Section E.1(b) following certification of completion of corrective action under E.2(c). The sampler was shut down for the winter on 11/06/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W002	Site Monitoring Area No. W-SMA-1.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	584	ug/L	D	W00202040017: Established Vegetation	BCM	-	5/7/2013
Antimony, F	N	< 1	ug/L	ND	W00203010015: Earthen Berm	CA	10/25/2012	9/25/2012
Arsenic, F	N	< 2	ug/L	ND	W00203010020: Earthen Berm	CA	10/4/2015	9/4/2015
Boron, F	N	< 15	ug/L	ND	W00203160022: Wood Chip Wattle	CA	-	5/11/2016
Cadmium, F	N	< 0.3	ug/L	ND	W00204060007: Rip Rap	BCM	4/29/2011	12/22/2010
Chromium, F	N	< 3	ug/L	ND	W00204070002: Vegetated Swale	BCM	4/29/2011	12/22/2010
Cobalt, F	N	< 1	ug/L	ND	W00204070003: Vegetated Swale	BCM	4/29/2011	12/22/2010
Copper, F	N	3.06	ug/L	D	W00205020013: Sediment Basin	CA	10/25/2012	9/25/2012
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	W00205020021: Sediment Basin	CA	10/4/2015	9/4/2015
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	W00206010008: Rock Check Dam	BCM	4/29/2011	12/22/2010
Gross alpha, UF	N	< -0.197	pCi/L	ND No MQL	W00206010009: Rock Check Dam	BCM	4/29/2011	12/22/2010
Lead, F	N	< 0.5	ug/L	ND	W00206010010: Rock Check Dam	BCM	4/29/2011	12/22/2010
Mercury, UF	N	< 0.067	ug/L	ND	W00206010016: Rock Check Dam	CA	10/25/2012	9/25/2012
Mercury, UF	N	< 0.067	ug/L	ND	-	-	-	-
Nickel, F	N	0.699	ug/L	D	-	-	-	-
Radium-226 and Radium-228, UF	N	< 0.688	pCi/L	ND No MQL	-	-	-	-

**Comments:** The sampler was activated for corrective action monitoring on 05/08/2017. A corrective action monitoring sample was collected on 09/28/2017. The sampler was reactivated on 10/12/2017 for corrective action monitoring (inoperable 14 d). The sampler was shut down for the winter on 11/06/2017. D-Detected, No TAL exceedance ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W002	Site Monitoring Area No. W-SMA-1.5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Vanadium, F	N	1.22	ug/L	D	--	--	--	--
Zinc, F	N	6.07	ug/L	D	--	--	--	--
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**Comments:** The sampler was activated for corrective action monitoring on 05/08/2017. A corrective action monitoring sample was collected on 09/28/2017. The sampler was reactivated on 10/12/2017 for corrective action monitoring (inoperable 14 d). The sampler was shut down for the winter on 11/06/2017. D-Detected, No TAL exceedance ND No MQL-Not detected, ATAL not exceeded. ND-Not detected, method detection limit is less than the TAL or MQL values.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W018	Site Monitoring Area No. W-SMA-10	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s)>Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	W01802040025: Established Vegetation	BCM	-	5/7/2013
-	-	--	-	--	W01803010022: Earthen Berm	CA	9/22/2012	8/23/2012
-	-	--	-	--	W01803010023: Earthen Berm	CA	9/22/2012	8/23/2012
-	-	--	-	--	W01803010024: Earthen Berm	CA	9/22/2012	8/23/2012
-	-	--	-	--	W01803040010: Asphalt Berm	BCM	4/29/2011	12/22/2010
--	-	--	--	--	W01803040016: Asphalt Berm	BCM	4/29/2011	12/22/2010
-	-	--	--	--	W01803060028: Straw Wattle	CA	-	8/19/2015
-	-	--	-	--	W01803060030: Straw Wattle	CA	-	8/19/2015
-	--	--	--	--	W01803090002: Curbing	BCM	4/29/2011	12/22/2010
-	--	--	--	--	W01803100026: Gravel Bags	CA	-	8/19/2015
--	-	--	--	--	W01803100027: Gravel Bags	CA	-	8/19/2015
--	-	--	-	--	W01803140031: Coir Log	CA	-	7/18/2017
-	--	--	--	--	W01804060004: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	--	-	--	W01804060013: Rip Rap	BCM	4/29/2011	12/22/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 02/26/2016.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W019	Site Monitoring Area No. W-SMA-11.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	W01902040052: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	W01903010040: Earthen Berm	BCM	-	9/22/2011
-	-	-	-	-	W01903010041: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010042: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010043: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010044: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010045: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010046: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010047: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010048: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010049: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01903010050: Earthen Berm	CA	11/22/2012	10/23/2012
-	-	-	-	-	W01904010051: Earthen Channel/Swale	CA	11/22/2012	10/23/2012
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for corrective action monitoring on 05/09/2017. The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: W020	Site Monitoring Area No. W-SMA-12.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	W02002040018: Established Vegetation	BCM	-	5/9/2013
-	-	-	-	-	W02003010015: Earthen Berm	BCM	-	9/22/2011
-	-	-	-	-	W02003010016: Earthen Berm	BCM	-	9/22/2011
-	-	-	-	-	W02003010017: Earthen Berm	BCM	-	9/22/2011
-	-	-	-	-	W02004060002: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W02006010001: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/09/2017. The sampler attempted but was unable to collect a sample on 09/26/2017 at 19:27. Reset at inspection on 09/29/2017 (inoperable 3 d). The sampler was shut down for the winter on 11/01/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W021	Site Monitoring Area No. W-SMA-14.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	--	W02102040021: Established Vegetation	BCM	-	4/3/2013
-	-	--	-	--	W02103010016: Earthen Berm	CA	10/25/2012	9/25/2012
--	-	-	--	-	W02103010017: Earthen Berm	CA	10/25/2012	9/25/2012
-	-	-	-	--	W02103010018: Earthen Berm	CA	10/25/2012	9/25/2012
-	-	-	-	-	W02103010019: Earthen Berm	CA	10/25/2012	9/25/2012
-	-	-	-	-	W02103010020: Earthen Berm	CA	10/25/2012	9/25/2012
--	-	-	--	-	W02104060014: Rip Rap	BCM	4/29/2011	3/29/2011
-	-	--	-	--	W02106010008: Rock Check Dam	BCM	4/29/2011	3/29/2011
-	--	-	--	-	W02106010009: Rock Check Dam	BCM	4/29/2011	3/29/2011
-	-	--	-	-	W02106010011: Rock Check Dam	BCM	4/29/2011	3/29/2011
-	-	-	-	-	W02106010012: Rock Check Dam	BCM	4/29/2011	3/29/2011
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: W022	Site Monitoring Area No. W-SMA-15.1	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	--	-	--	W02202040006: Established Vegetation	CA	-	5/9/2013
-	--	-	--	-	W02203010004: Earthen Berm	CA	11/22/2012	10/23/2012
--	-	-	-	--	W02203010005: Earthen Berm	CA	11/22/2012	10/23/2012
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**Comments:** The sampler was activated for corrective action monitoring on 05/09/2017. The sampler was shut down for the winter on 11/01/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W004	Site Monitoring Area No. W-SMA-3.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	-	-	W00402040008: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	W00403060009: Straw Wattle	BCM	--	10/15/2014
-	-	-	-	-	W00403060012: Straw Wattle	BCM	--	12/1/2015
-	--	-	--	-	W00403060013: Straw Wattle	BCM	-	7/6/2016
-	-	--	-	--	W00403060014: Straw Wattle	BCM	--	9/26/2016
-	--	-	-	-	W00404060003: Rip Rap	BCM	4/29/2011	12/22/2010
-	-	-	--	-	W00406010007: Rock Check Dam	BCM	4/29/2011	12/22/2010
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**Comments:** The sampler was activated for baseline monitoring on 05/04/2017. The sampler was shut down for the winter on 11/07/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	COMPLIANCE STATUS REPORT		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W006	Site Monitoring Area No. W-SMA-5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	W00602040029: Established Vegetation	BCM	--	5/7/2013
--	--	--	--	--	W00604040011: Culvert	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00604050033: Water Bar	CA	--	10/23/2014
--	--	--	--	--	W00604060006: Rip Rap	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010003: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010012: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010013: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010014: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010015: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010017: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W00606010021: Rock Check Dam	BCM	--	9/6/2011
--	--	--	--	--	W00606010022: Rock Check Dam	BCM	--	6/6/2012
--	--	--	--	--	W00606010023: Rock Check Dam	BCM	--	6/6/2012
--	--	--	--	--	W00606010024: Rock Check Dam	BCM	--	6/6/2012
--	--	--	--	--	W00606010025: Rock Check Dam	BCM	--	6/6/2012
--	--	--	--	--	W00606010026: Rock Check Dam	BCM	--	6/6/2012

**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W006	Site Monitoring Area No. W-SMA-5	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	W00606010027: Rock Check Dam	BCM	--	6/6/2012
--	--	--	--	--	W00606010028: Rock Check Dam	BCM	--	8/1/2012
--	--	--	--	--	W00606010031: Rock Check Dam	CA	--	10/23/2014
--	--	--	--	--	W00606010032: Rock Check Dam	CA	--	10/23/2014
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W008	Site Monitoring Area No. W-SMA-7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	--	-	W00801030048: Hydromulch	CA	10/28/2015	9/28/2015
-	-	-	--	-	W00802040014: Established Vegetation	BCM	-	5/7/2013
-	--	-	-	-	W00803010049: Earthen Berm	CA	10/28/2015	9/28/2015
-	-	--	-	-	W00803060010: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	--	-	--	W00803060017: Straw Wattle	BCM	-	7/22/2013
-	-	-	--	-	W00803060018: Straw Wattle	BCM	-	7/22/2013
-	--	-	-	-	W00803060019: Straw Wattle	BCM	-	7/22/2013
-	-	--	-	--	W00803060024: Straw Wattle	CA	-	10/15/2014
-	-	--	-	--	W00803060025: Straw Wattle	CA	-	10/15/2014
-	--	-	-	-	W00803140035: Coir Log	CA	10/28/2015	9/28/2015
--	-	-	--	-	W00803140036: Coir Log	CA	10/28/2015	9/28/2015
-	-	--	-	--	W00803140037: Coir Log	CA	10/28/2015	9/28/2015
-	--	-	-	-	W00803140038: Coir Log	CA	10/28/2015	9/28/2015
--	-	-	-	-	W00803140041: Coir Log	CA	10/28/2015	9/28/2015
-	--	-	-	-	W00803140042: Coir Log	CA	10/28/2015	9/28/2015
-	-	-	-	--	W00803140043: Coir Log	CA	10/28/2015	9/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/04/2017. The sampler was shut down for the winter on 11/03/2017.

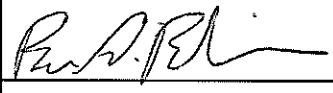
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W008	Site Monitoring Area No. W-SMA-7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	W00803140044: Coir Log	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00803140045: Coir Log	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00803140046: Coir Log	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00803140047: Coir Log	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010001: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00806010003: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00806010004: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00806010015: Rock Check Dam	BCM	-	7/22/2013
-	-	-	-	-	W00806010016: Rock Check Dam	BCM	-	7/22/2013
-	-	-	-	-	W00806010026: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010027: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010028: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010029: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010030: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010031: Rock Check Dam	CA	10/28/2015	9/28/2015
-	-	-	-	-	W00806010032: Rock Check Dam	CA	10/28/2015	9/28/2015

**Comments:** The sampler was activated for corrective action monitoring on 05/04/2017. The sampler was shut down for the winter on 11/03/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	






Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W009	Site Monitoring Area No. W-SMA-7.8	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	W00902040009: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	W00903010004: Earthen Berm	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00903100010: Gravel Bags	CA	-	4/21/2017
-	-	-	-	-	W00906010001: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00906010005: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00906010006: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W00906010007: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	-	-	-	-
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**Comments:** The sampler was activated for baseline monitoring on 05/04/2017. The sampler was shut down for the winter on 11/03/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W011	Site Monitoring Area No. W-SMA-8	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	W01102040009: Established Vegetation	BCM	-	5/7/2013
-	-	-	-	-	W01103010012: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	W01103010013: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	W01103010014: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	W01103010015: Earthen Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	W01103040010: Asphalt Berm	CA	9/9/2015	8/10/2015
-	-	-	-	-	W01106010006: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W01106010011: Rock Check Dam	CA	-	12/22/2014
-	-	-	-	-	W01106010016: Rock Check Dam	CA	9/9/2015	8/10/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/04/2017. The sampler attempted but was unable to collect a sample on 09/27/2017 at 20:13. Reset at inspection on 09/29/2017 (inoperable 2 d). The sampler was shut down for the winter on 11/03/2017.


Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W012	Site Monitoring Area No. W-SMA-8.7	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	-	-	-	-	W01202040011: Established Vegetation	BCM	-	5/3/2013
-	-	-	-	--	W01203060010: Straw Wattle	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W01206010006: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	-	-	-	-	W01206010007: Rock Check Dam	BCM	4/29/2011	12/22/2010
--	-	-	-	--	W01206010008: Rock Check Dam	BCM	4/29/2011	12/22/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

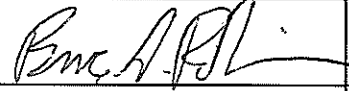
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: W012A	Site Monitoring Area No. W-SMA-8.71	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	W012A02040006: Established Vegetation	BCM	--	5/3/2013
--	--	--	--	--	W012A03010005: Earthen Berm	CA	12/27/2012	11/27/2012
--	--	--	--	--	W012A03010007: Earthen Berm	CA	10/4/2015	9/4/2015
--	--	--	--	--	W012A03060008: Straw Wattle	CA	--	8/17/2015
--	--	--	--	--	W012A03060009: Straw Wattle	CA	--	8/17/2015
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**Comments:** The sampler was activated for corrective action monitoring on 05/08/2017. The sampler was shut down for the winter on 11/09/2017.

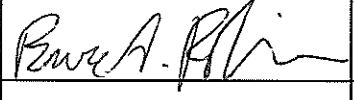
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W013	Site Monitoring Area No. W-SMA-9.05	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
-	--	-	--	-	W01302040013: Established Vegetation	BCM	-	5/7/2013
-	--	-	--	-	W01303010010: Earthen Berm	BCM	-	11/14/2011
-	--	-	--	-	W01303010011: Earthen Berm	BCM	-	11/14/2011
-	--	-	-	--	W01304010004: Earthen Channel/Swale	BCM	4/29/2011	12/22/2010
-	--	-	-	--	W01306010001: Rock Check Dam	BCM	4/29/2011	12/22/2010
-	--	-	--	-	W01306010012: Rock Check Dam	BCM	-	11/14/2011
-	--	-	-	--	-	-	-	-
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**Comments:** No confirmation monitoring was conducted in 2017. Baseline sampling was completed with receipt of all results less than target action levels on 10/21/2013.


Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: <u>January 01, 2017 - December 31, 2017</u>		
Permitted Feature No.: W014	Site Monitoring Area No. W-SMA-9.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	186	ug/L	D	W01402040008: Established Vegetation	BCM	-	5/7/2013
Antimony, F	N	< 1	ug/L	ND	W01403010006: Earthen Berm	BCM	--	11/14/2011
Arsenic, F	N	< 2	ug/L	ND	W01403010007: Earthen Berm	BCM	-	11/14/2011
Boron, F	N	15.9	ug/L	D	W01403060002: Straw Wattle	BCM	12/1/2010	11/1/2010
Cadmium, F	N	< 0.3	ug/L	ND	W01403060009: Straw Wattle	BCM	-	7/13/2016
Chromium, F	N	< 3	ug/L	ND	-	-	-	--
Cobalt, F	N	1.64	ug/L	D	-	-	-	-
Copper, F	N	2.17	ug/L	D	-	-	-	-
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	-	-	-	-
Cyanide, weak acid dissociable, UF	N	< 0.00167	mg/L	ND	-	-	-	-
Gross alpha, UF	Y	81	pCi/L	ATAL	-	-	-	-
Lead, F	N	< 0.5	ug/L	ND	-	-	-	-
Mercury, UF	N	1.1	ug/L	D	-	-	-	--
Mercury, UF	N	1.1	ug/L	ATAL	-	-	-	-
Nickel, F	N	0.861	ug/L	D	-	-	-	--
Radium-226 and Radium-228, UF	N	2.1	pCi/L	D	-	-	-	-

**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for corrective action monitoring on 06/25/2017 after collection of a baseline monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND-Not detected, method detection limit is less than the TAL or MQL values.

Bruce A. Robinson, Program Director	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.		2/13/2018
		Signature of Principal Executive Officer or Authorized Agent	Date




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 – December 31, 2017		
Permitted Feature No.: W014	Site Monitoring Area No. W-SMA-9.5	Permit Phase: Baseline Control Measures <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	< 2	ug/L	ND	--	--	--	--
Silver, F	N	< 0.3	ug/L	ND	--	--	--	--
Thallium, F	N	< 0.6	ug/L	ND	--	--	--	--
Vanadium, F	N	3.16	ug/L	D	--	--	--	--
Zinc, F	N	< 3.3	ug/L	ND	--	--	--	--
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**Comments:** The sampler was activated for baseline monitoring on 05/30/2017. The sampler was shut down for corrective action monitoring on 06/25/2017 after collection of a baseline monitoring sample. ATAL-Result is greater than the ATAL value. D-Detected, No TAL exceedance ND-Not detected, method detection limit is less than the TAL or MQL values.

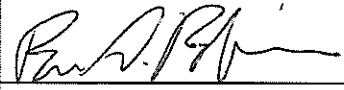
Bruce A. Robinson, Program Director	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry 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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			

Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W015	Site Monitoring Area No. W-SMA-9.7	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	W01502040008: Established Vegetation	BCM	--	5/7/2013
--	--	--	--	--	W01503060018: Straw Wattle	CA	--	8/18/2015
--	--	--	--	--	W01503060019: Straw Wattle	CA	--	8/18/2015
--	--	--	--	--	W01503100017: Gravel Bags	BCM	--	10/28/2014
--	--	--	--	--	W01503140020: Coir Log	BCM	--	7/13/2017
--	--	--	--	--	W01506030004: Juniper Bales	BCM	4/29/2011	12/22/2010
--	--	--	--	--	W01506030005: Juniper Bales	BCM	4/29/2011	12/22/2010
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**Comments:** No confirmation monitoring was conducted in 2017. Alternative compliance was requested at all associated Site(s) on 05/06/2015.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Date
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent		Signature of Principal Executive Officer or Authorized Agent	




Los Alamos National Laboratory Los Alamos, NM 87545	<b>COMPLIANCE STATUS REPORT</b>		NPDES Permit No.: NM0030759
	Reporting Period: January 01, 2017 - December 31, 2017		
Permitted Feature No.: W017	Site Monitoring Area No. W-SMA-9.9	Permit Phase: Baseline Control Measures <input type="checkbox"/> Corrective Action <input checked="" type="checkbox"/>	

Monitoring Required?  Measurable Discharge?  Sample(s) Collected?

Monitoring Requirement	Parameter(s) > Target Action Level				Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Result Description	Type	Permit Phase	Required	Actual
--	--	--	--	--	W01702040022: Established Vegetation	BCM	--	5/7/2013
--	--	--	--	--	W01703010017: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	W01703010018: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	W01703010019: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	W01703010020: Earthen Berm	CA	7/27/2012	6/27/2012
--	--	--	--	--	W01703090001: Curbing	BCM	4/29/2011	12/22/2010
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**Comments:** The sampler was activated for corrective action monitoring on 05/30/2017. The sampler was shut down for the winter on 11/06/2017.

Bruce A. Robinson, Program Director	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.		2/13/2018
			Signature of Principal Executive Officer or Authorized Agent
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent			



# **Attachment 1**

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*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	Analysis Date	Sample Delivery Group Number Chain of Custody	Site Monitoring Area	Sample ID
06/25/2017	07/16/2017	2017-1880	CDV-SMA-2.42	WT_IPC-17-135521
07/08/2017	08/28/2017	2017-1979	ACID-SMA-2 at SS170106	WT_IPC-17-135520
07/27/2017	09/16/2017	2017-2198	S-SMA-6 at SS171637	WT_IPC-17-135188
07/26/2017	09/19/2017	2017-2367	ACID-SMA-2 at SS170106	WT_IPC-17-135527
07/26/2017	09/19/2017	2017-2420	LA-SMA-1	WT_IPC-17-135148
07/26/2017	09/25/2017	2017-2422	LA-SMA-2.1	WT_IPC-17-135180
08/07/2017	09/28/2017	2017-2468	ACID-SMA-2.1	WT_IPC-17-135526
08/23/2017	10/01/2017	2017-2599	ACID-SMA-2.1	WT_IPC-17-135533
09/29/2017	10/26/2017	2018-163	S-SMA-6 at SS171637	WT_IPC-17-135189
10/05/2017	11/10/2017	2018-428	CDV-SMA-2.42	WT_IPC-17-135528

**Blank Population Summary**

Date Range	Associated Chains of Custody
July 1 - July 31, 2017	2017-1880
August 1 - August 31, 2017	2017-1979,
September 1 - September 30, 2017	2017-2198, 2017-2367, 2017-2420, 2017-2422, 2017-2468, 2017-2599
October 1 - October 31, 2017	2018-163
November 1 - November 30, 2017	2018-428





# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-JUL-17 to 31-JUL-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.739	0.403	1.54	
3-Chlorobiphenyl (2)	pg/L	0.753	0.348	1.45	
4-Chlorobiphenyl (3)	pg/L	0.766	0.306	1.38	
2,2'-Dichlorobiphenyl (4)	pg/L	2.09	0.761	3.62	
2,3-Dichlorobiphenyl (5)	pg/L	1.26	0.368	2	
2,3'-Dichlorobiphenyl (6)	pg/L	1.01	0.302	1.62	
2,4-Dichlorobiphenyl (7)	pg/L	1.08	0.314	1.7	
2,4'-Dichlorobiphenyl (8)	pg/L	0.921	0.272	1.47	
2,5-Dichlorobiphenyl (9)	pg/L	1.1	0.331	1.77	
2,6-Dichlorobiphenyl (10)	pg/L	1.1	0.295	1.69	
3,3'-Dichlorobiphenyl (11)	pg/L	1.12	0.348	1.82	
3,4-Dichlorobiphenyl (12)	pg/L	1.15	0.352	1.85	
3,5-Dichlorobiphenyl (14)	pg/L	1.06	0.326	1.72	
4,4'-Dichlorobiphenyl (15)	pg/L	1.23	0.356	1.94	
2,2',3-Trichlorobiphenyl (16)	pg/L	0.991	0.23	1.45	
2,2',4-Trichlorobiphenyl (17)	pg/L	0.865	0.205	1.27	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.735	0.142	1.02	
2,2',6-Trichlorobiphenyl (19)	pg/L	1	0.265	1.53	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.601	0.154	0.909	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.59	0.142	0.874	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.631	0.164	0.958	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.623	0.144	0.91	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.631	0.157	0.944	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.55	0.134	0.818	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.584	0.142	0.867	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.595	0.145	0.886	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.554	0.139	0.831	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.55	0.13	0.81	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.602	0.148	0.898	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.778	0.19	1.16	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.707	0.18	1.07	
3,4,4'-Trichlorobiphenyl (37)	pg/L	0.87	0.196	1.26	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.738	0.177	1.09	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.73	0.172	1.07	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.06	0.308	1.67	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.23	0.36	1.95	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.22	0.376	1.98	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.44	0.477	2.39	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.04	0.296	1.63	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.601	0.133	0.868	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.651	0.147	0.945	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.11	0.307	1.72	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	0.967	0.281	1.53	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.566	0.127	0.82	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.02	0.29	1.6	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.445	0.103	0.651	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-JUL-17 to 31-JUL-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.803	0.193	1.19	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.786	0.18	1.15	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.713	0.162	1.04	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.741	0.175	1.09	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.824	0.235	1.29	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.775	0.185	1.15	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	0.881	0.365	1.61	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.676	0.159	0.994	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.837	0.24	1.32	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.719	0.119	0.958	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.663	0.154	0.97	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.684	0.158	1	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.686	0.161	1.01	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	0.848	0.231	1.31	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	0.877	0.167	1.21	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.768	0.197	1.16	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.691	0.139	0.968	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.661	0.159	0.98	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.805	0.19	1.19	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.01	0.295	1.6	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	0.981	0.28	1.54	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	0.993	0.275	1.54	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.747	0.215	1.18	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.789	0.223	1.24	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	0.884	0.248	1.38	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	0.913	0.258	1.43	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.782	0.219	1.22	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	0.887	0.247	1.38	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	0.86	0.239	1.34	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	0.973	0.265	1.5	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.834	0.235	1.3	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.414	0.122	0.657	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	0.935	0.264	1.46	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.819	0.232	1.28	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.786	0.225	1.24	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.406	0.116	0.637	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	0.822	0.251	1.32	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.727	0.223	1.17	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.644	0.201	1.05	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.735	0.226	1.19	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.722	0.205	1.13	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.684	0.191	1.07	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.687	0.186	1.06	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	0.83	0.23	1.29	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.773	0.24	1.25	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.633	0.183	0.999	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-JUL-17 to 31-JUL-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.684	0.189	1.06	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.749	0.23	1.21	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.773	0.235	1.24	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	0.978	0.327	1.63	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.733	0.203	1.14	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	0.938	0.259	1.46	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	0.985	0.298	1.58	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.15	0.353	1.85	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.24	0.385	2.01	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.18	0.362	1.91	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.08	0.33	1.74	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.31	0.432	2.18	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	0.719	0.281	1.28	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.53	0.211	0.952	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.06	0.348	1.75	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.04	0.329	1.69	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.08	0.33	1.74	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.18	0.364	1.9	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.13	0.348	1.83	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.703	0.288	1.28	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.574	0.231	1.04	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	0.868	0.287	1.44	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.05	0.33	1.71	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.685	0.266	1.22	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.559	0.218	0.996	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.523	0.208	0.939	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	0.853	0.229	1.31	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.635	0.256	1.15	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.454	0.16	0.775	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	0.929	0.385	1.7	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	0.747	0.225	1.2	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	0.641	0.264	1.17	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	0.903	0.276	1.45	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	0.797	0.236	1.27	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	0.657	0.265	1.19	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	0.827	0.238	1.3	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	0.883	0.27	1.42	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	0.679	0.279	1.24	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	0.809	0.334	1.48	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	0.876	0.327	1.53	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	0.881	0.344	1.57	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	0.873	0.337	1.55	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	0.849	0.324	1.5	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	0.697	0.291	1.28	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.541	0.237	1.01	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	0.863	0.343	1.55	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-JUL-17 to 31-JUL-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	0.738	0.309	1.36	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.541	0.236	1.01	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	0.729	0.283	1.3	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	0.841	0.342	1.52	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	0.723	0.303	1.33	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	0.806	0.33	1.47	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.534	0.242	1.02	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.579	0.257	1.09	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	0.692	0.295	1.28	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.53	0.229	0.988	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	0.788	0.397	1.58	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	0.666	0.262	1.19	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	0.649	0.251	1.15	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	0.725	0.285	1.29	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	0.723	0.257	1.24	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	0.723	0.269	1.26	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	0.644	0.203	1.05	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	0.51	0.172	0.854	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	0.684	0.222	1.13	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.501	0.17	0.842	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	0.547	0.168	0.883	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	0.645	0.207	1.06	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	0.502	0.168	0.837	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	0.606	0.213	1.03	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	0.777	0.305	1.39	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.593	0.242	1.08	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	0.614	0.231	1.08	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	0.602	0.251	1.1	

\* = PQL adjusted to the MBCV.

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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**SDG Number:** 2017-1880  
**Lab Sample ID:** 11020001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135521  
**Batch ID:** 35105  
**Run Date:** 07/16/2017 07:07  
**Data File:** c15jul17a\_2-10  
**Prep Batch:** 35101  
**Prep Date:** 13-JUL-17

**Client:** LANL001  
**Date Collected:** 06/25/2017 16:14  
**Date Received:** 07/06/2017 13:00  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 916.7 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	U	109	109	pg/L	109
PCB-12/13	PCB-13/12	CU	43.6	43.6	pg/L	43.6
34883-41-5	PCB-14	U	21.8	21.8	pg/L	21.8
2050-68-2	PCB-15		78.4	76.4	pg/L	21.8
38444-78-9	PCB-16		26.7	25.2	pg/L	21.8
37680-66-3	PCB-17		46.6	45.3	pg/L	21.8
PCB-18/30	PCB-18/30	C	94.3	93.3	pg/L	43.6
38444-73-4	PCB-19	U	21.8	21.8	pg/L	21.8
PCB-20/28	PCB-20/28	C	292	291	pg/L	43.6
PCB-21/33	PCB-21/33	C	65.2	64.4	pg/L	43.6
38444-85-8	PCB-22		93.4	92.5	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	43.6	43.6	pg/L	43.6
38444-76-7	PCB-27	U	21.8	21.8	pg/L	21.8
16606-02-3	PCB-31		236	235	pg/L	21.8
38444-77-8	PCB-32		44.4	43.6	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		160	159	pg/L	21.8

**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**

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**SDG Number:** 2017-1880  
**Lab Sample ID:** 11020001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135521  
**Batch ID:** 35105  
**Run Date:** 07/16/2017 07:07  
**Data File:** c15jul17a\_2-10  
**Prep Batch:** 35101  
**Prep Date:** 13-JUL-17

**Client:** LANL001  
**Date Collected:** 06/25/2017 16:14  
**Date Received:** 07/06/2017 13:00  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 916.7 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	C	243	241	pg/L	43.6
52663-59-9	PCB-41		26.2	24.2	pg/L	21.8
36559-22-5	PCB-42		136	134	pg/L	21.8
70362-46-8	PCB-43		56.4	54	pg/L	21.8
PCB-44/47/65	PCB-44/65/47	C	742	740	pg/L	65.5
PCB-45/51	PCB-45/51	C	66.6	65.7	pg/L	43.6
41464-47-5	PCB-46	U	21.8	21.8	pg/L	21.8
70362-47-9	PCB-48		102	100	pg/L	21.8
PCB-49/69	PCB-69/49	C	451	449	pg/L	43.6
PCB-50/53	PCB-50/53	C	60.6	59.8	pg/L	43.6
35693-99-3	PCB-52		872	870	pg/L	21.8
15968-05-5	PCB-54	U	21.8	21.8	pg/L	21.8
74338-24-2	PCB-55		26.2	25.1	pg/L	21.8
41464-43-1	PCB-56		550	549	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	65.5	65.5	pg/L	65.5
33025-41-1	PCB-60		236	235	pg/L	21.8
PCB-61-76	PCB-61/76/70/74	C	1580	1570	pg/L	87.3
74472-34-7	PCB-63	U	22.5	21.8	pg/L	21.8
52663-58-8	PCB-64		289	288	pg/L	21.8
32598-10-0	PCB-66		984	983	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		30.6	29.3	pg/L	21.8
32598-13-3	PCB-77		116	115	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:**

**C** Congener has coeluters. When Cxxx, refer to congener number xxx for data  
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**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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**SDG Number:** 2017-1880  
**Lab Sample ID:** 11020001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135521  
**Batch ID:** 35105  
**Run Date:** 07/16/2017 07:07  
**Data File:** c15jul17a\_2-10  
**Prep Batch:** 35101  
**Prep Date:** 13-JUL-17

**Client:** LANL001  
**Date Collected:** 06/25/2017 16:14  
**Date Received:** 07/06/2017 13:00  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 916.7 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		157	156	pg/L	21.8
60145-20-2	PCB-83		56.6	55.1	pg/L	21.8
52663-60-2	PCB-84		239	238	pg/L	21.8
PCB-85-117	PCB-117/116/85	C	212	211	pg/L	65.5
PCB-86-125	PCB-86/87/97/109/119/125	C	681	680	pg/L	131
PCB-88/91	PCB-88/91	C	142	141	pg/L	43.6
73575-57-2	PCB-89	U	21.8	21.8	pg/L	21.8
PCB-90-113	PCB-113/90/101	C	1020	1020	pg/L	65.5
52663-61-3	PCB-92		167	166	pg/L	21.8
PCB-93/100	PCB-93/100	CU	43.6	43.6	pg/L	43.6
73575-55-0	PCB-94	U	21.8	21.8	pg/L	21.8
38379-99-6	PCB-95		852	851	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	43.6	43.6	pg/L	43.6
38380-01-7	PCB-99		459	458	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		489	487	pg/L	21.8
70424-69-0	PCB-106	U	21.8	21.8	pg/L	21.8
70424-68-9	PCB-107		56.9	55.9	pg/L	21.8
PCB-108/124	PCB-108/124	CU	43.6	43.6	pg/L	43.6
PCB-110/115	PCB-110/115	C	1200	1200	pg/L	43.6
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		763	762	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:**

**C** Congener has coeluters. When Cxxx, refer to congener number xxx for data  
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**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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**SDG Number:** 2017-1880  
**Lab Sample ID:** 11020001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135521  
**Batch ID:** 35105  
**Run Date:** 07/16/2017 07:07  
**Data File:** c15jul17a\_2-10  
**Prep Batch:** 35101  
**Prep Date:** 13-JUL-17

**Client:** LANL001  
**Date Collected:** 06/25/2017 16:14  
**Date Received:** 07/06/2017 13:00  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 916.7 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	172	170	pg/L	43.6
PCB-129-163	PCB-138/163/129	C	1830	1830	pg/L	65.5
52663-66-8	PCB-130		80.2	78.3	pg/L	21.8
61798-70-7	PCB-131	U	21.8	21.8	pg/L	21.8
38380-05-1	PCB-132		505	503	pg/L	21.8
35694-04-3	PCB-133		25.3	23.5	pg/L	21.8
52704-70-8	PCB-134		92.0	89.8	pg/L	21.8
PCB-135/151	PCB-151/135	C	800	799	pg/L	43.6
38411-22-2	PCB-136		222	221	pg/L	21.8
35694-06-5	PCB-137		37.1	35.4	pg/L	21.8
PCB-139/140	PCB-139/140	CU	43.6	43.6	pg/L	43.6
52712-04-6	PCB-141		430	428	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		82.4	81.1	pg/L	21.8
74472-40-5	PCB-145	U	21.8	21.8	pg/L	21.8
51908-16-8	PCB-146		236	234	pg/L	21.8
PCB-147/149	PCB-147/149	C	1710	1710	pg/L	43.6
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	1850	1850	pg/L	43.6
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	140	139	pg/L	43.6
74472-42-7	PCB-158		133	132	pg/L	21.8
39635-35-3	PCB-159		43.0	41.8	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		131	129	pg/L	21.8

**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**

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**SDG Number:** 2017-1880  
**Lab Sample ID:** 11020001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135521  
**Batch ID:** 35105  
**Run Date:** 07/16/2017 07:07  
**Data File:** c15jul17a\_2-10  
**Prep Batch:** 35101  
**Prep Date:** 13-JUL-17

**Client:** LANL001  
**Date Collected:** 06/25/2017 16:14  
**Date Received:** 07/06/2017 13:00  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 916.7 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		60.6	59.3	pg/L	21.8
32774-16-6	PCB-169	U	21.8	21.8	pg/L	21.8
35065-30-6	PCB-170		795	793	pg/L	21.8
PCB-171/173	PCB-173/171	C	213	212	pg/L	43.6
52663-74-8	PCB-172		165	163	pg/L	21.8
38411-25-5	PCB-174		1060	1060	pg/L	21.8
40186-70-7	PCB-175		33.4	32.1	pg/L	21.8
52663-65-7	PCB-176		90.8	89.8	pg/L	21.8
52663-70-4	PCB-177		549	547	pg/L	21.8
52663-67-9	PCB-178		188	187	pg/L	21.8
52663-64-6	PCB-179		416	414	pg/L	21.8
PCB-180/193	PCB-193/180	C	2400	2400	pg/L	43.6
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	632	631	pg/L	43.6
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		1290	1290	pg/L	21.8
74487-85-7	PCB-188	U	21.8	21.8	pg/L	21.8
39635-31-9	PCB-189		28.9	27.3	pg/L	21.8
41411-64-7	PCB-190		187	186	pg/L	21.8
74472-50-7	PCB-191		34.4	33.3	pg/L	21.8
74472-51-8	PCB-192	U	21.8	21.8	pg/L	21.8
35694-08-7	PCB-194		616	615	pg/L	21.8
52663-78-2	PCB-195		239	238	pg/L	21.8
42740-50-1	PCB-196		273	272	pg/L	21.8
PCB-197/200	PCB-197/200	C	92.4	91.6	pg/L	43.6
PCB-198/199	PCB-198/199	C	693	692	pg/L	43.6
40186-71-8	PCB-201		64.1	63.2	pg/L	21.8
2136-99-4	PCB-202		134	133	pg/L	21.8
52663-76-0	PCB-203		416	415	pg/L	21.8

**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**

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**SDG Number:** 2017-1880  
**Lab Sample ID:** 11020001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135521  
**Batch ID:** 35105  
**Run Date:** 07/16/2017 07:07  
**Data File:** c15jul17a\_2-10  
**Prep Batch:** 35101  
**Prep Date:** 13-JUL-17

**Client:** LANL001  
**Date Collected:** 06/25/2017 16:14  
**Date Received:** 07/06/2017 13:00  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 916.7 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		30.7	29.7	pg/L	21.8
40186-72-9	PCB-206		139	138	pg/L	21.8
52663-79-3	PCB-207	U	21.8	21.8	pg/L	21.8
52663-77-1	PCB-208		32.3	31.2	pg/L	21.8
2051-24-3	PCB-209		189	188	pg/L	21.8
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		78.4	76.4	pg/L	
25323-68-6	Total Tri PCBs		1060	1050	pg/L	
26914-33-0	Total Tetra PCBs		6590	6540	pg/L	
25429-29-2	Total Penta PCBs		6490	6470	pg/L	
26601-64-9	Total Hexa PCBs		8580	8550	pg/L	
28655-71-2	Total Hepta PCBs		8080	8060	pg/L	
55722-26-4	Total Octa PCBs		2560	2550	pg/L	
53742-07-7	Total Nona PCBs		171	169	pg/L	
DECACB(Tot)	Total Deca PCB		189	188	pg/L	
1336-36-3	Total PCB Congeners		33800	33700	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		699	2180	pg/L	32.0	(5%-145%)
13C-3-MoCB		898	2180	pg/L	41.1	(5%-145%)
13C-4-DiCB		778	2180	pg/L	35.6	(5%-145%)
13C-15-DiCB		1380	2180	pg/L	63.4	(5%-145%)
13C-19-TrCB		1160	2180	pg/L	53.1	(5%-145%)
13C-37-TrCB		1590	2180	pg/L	72.8	(5%-145%)
13C-54-TeCB		1440	2180	pg/L	65.8	(5%-145%)
13C-77-TeCB		1600	2180	pg/L	73.5	(10%-145%)
13C-81-TeCB		1610	2180	pg/L	73.9	(10%-145%)
13C-104-PeCB		1600	2180	pg/L	73.5	(10%-145%)
13C-105-PeCB		1590	2180	pg/L	72.7	(10%-145%)
13C-114-PeCB		1650	2180	pg/L	75.6	(10%-145%)
13C-118-PeCB		1670	2180	pg/L	76.7	(10%-145%)
13C-123-PeCB		1690	2180	pg/L	77.3	(10%-145%)
13C-126-PeCB		1710	2180	pg/L	78.5	(10%-145%)
13C-155-HxCB		1520	2180	pg/L	69.8	(10%-145%)
13C-156-HxCB	C	3840	4360	pg/L	88.0	(10%-145%)
13C-167-HxCB		1860	2180	pg/L	85.3	(10%-145%)
13C-169-HxCB		2320	2180	pg/L	107	(10%-145%)
13C-188-HpCB		901	2180	pg/L	41.3	(10%-145%)
13C-189-HpCB		1420	2180	pg/L	65.0	(10%-145%)
13C-202-OcCB		1030	2180	pg/L	47.0	(10%-145%)
13C-205-OcCB		1870	2180	pg/L	85.8	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-1880	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11020001	<b>Date Collected:</b> 06/25/2017 16:14	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 07/06/2017 13:00	
<b>Client ID:</b> WT_IPC-17-135521		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35105	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 07/16/2017 07:07	<b>Analyst:</b> MJC	<b>Instrument:</b> HRP791
<b>Data File:</b> c15jul17a_2-10		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35101	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 13-JUL-17	<b>Prep Aliquot:</b> 916.7 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			2080	2180	pg/L	95.3      (10%-145%)
13C-208-NoCB			1530	2180	pg/L	69.9      (10%-145%)
13C-209-DeCB			1950	2180	pg/L	89.5      (10%-145%)
13C-28-TrCB			1770	2180	pg/L	81.0      (5%-145%)
13C-111-PeCB			1640	2180	pg/L	75.0      (10%-145%)
13C-178-HpCB			1730	2180	pg/L	79.2      (10%-145%)

**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-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.993	0.705	2.4	
3-Chlorobiphenyl (2)	pg/L	0.983	0.63	2.24	
4-Chlorobiphenyl (3)	pg/L	0.923	0.48	1.88	
2,2'-Dichlorobiphenyl (4)	pg/L	3.17	2.38	7.93	
2,3-Dichlorobiphenyl (5)	pg/L	1.89	1.45	4.79	
2,3'-Dichlorobiphenyl (6)	pg/L	1.46	1.05	3.56	
2,4-Dichlorobiphenyl (7)	pg/L	1.58	1.16	3.9	
2,4'-Dichlorobiphenyl (8)	pg/L	1.33	0.959	3.25	
2,5-Dichlorobiphenyl (9)	pg/L	1.66	1.27	4.19	
2,6-Dichlorobiphenyl (10)	pg/L	1.51	0.904	3.32	
3,3'-Dichlorobiphenyl (11)	pg/L	2.48	3.49	9.46	
3,4-Dichlorobiphenyl (12)	pg/L	1.67	1.24	4.14	
3,5-Dichlorobiphenyl (14)	pg/L	1.58	1.19	3.96	
4,4'-Dichlorobiphenyl (15)	pg/L	1.66	1.03	3.71	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.2	0.548	2.29	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.12	0.624	2.36	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.945	0.496	1.94	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.29	0.718	2.73	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.79	0.461	1.71	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.767	0.44	1.65	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.822	0.465	1.75	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.804	0.451	1.71	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.843	0.512	1.87	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.706	0.393	1.49	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.763	0.44	1.64	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.78	0.452	1.68	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.717	0.406	1.53	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.717	0.406	1.53	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.793	0.468	1.73	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.973	0.488	1.95	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.89	0.448	1.79	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.04	0.464	1.97	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.925	0.469	1.86	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.907	0.449	1.81	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.22	0.554	2.32	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.51	0.792	3.09	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.36	0.592	2.55	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.59	0.673	2.94	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.21	0.565	2.33	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.763	0.439	1.64	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.82	0.467	1.75	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.3	0.609	2.51	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.12	0.517	2.15	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.712	0.404	1.52	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.21	0.594	2.39	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.532	0.234	1	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.952	0.469	1.89	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.956	0.486	1.93	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.857	0.432	1.72	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.902	0.476	1.85	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.966	0.459	1.88	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.93	0.461	1.85	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.03	0.511	2.05	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.818	0.422	1.66	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.974	0.458	1.89	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.867	0.409	1.68	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.797	0.402	1.6	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.82	0.408	1.64	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.819	0.403	1.62	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1	0.483	1.97	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.01	0.406	1.82	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.899	0.389	1.68	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.802	0.317	1.44	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.796	0.395	1.59	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.939	0.417	1.77	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.16	0.583	2.33	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.18	0.687	2.56	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.17	0.66	2.49	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.874	0.45	1.77	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.922	0.479	1.88	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.06	0.628	2.31	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.09	0.638	2.37	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.922	0.505	1.93	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.05	0.583	2.21	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.04	0.644	2.33	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.15	0.661	2.47	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.996	0.591	2.18	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.528	0.368	1.26	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.1	0.625	2.35	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.979	0.551	2.08	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.936	0.551	2.04	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.492	0.266	1.02	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.06	0.728	2.51	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.913	0.59	2.09	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.84	0.593	2.03	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.953	0.649	2.25	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.831	0.398	1.63	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.805	0.415	1.64	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.794	0.4	1.59	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.07	0.71	2.49	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.99	0.674	2.34	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.741	0.382	1.5	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.816	0.466	1.75	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.97	0.662	2.29	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.991	0.678	2.35	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.24	0.869	2.98	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.926	0.583	2.09	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.33	1.07	3.47	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.42	1.19	3.8	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.64	1.35	4.34	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.78	1.48	4.75	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.71	1.44	4.59	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.55	1.31	4.17	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.95	1.73	5.41	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.02	0.801	2.62	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.752	0.605	1.96	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.56	1.38	4.31	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.5	1.27	4.04	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.52	1.24	4.01	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.67	1.35	4.37	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.57	1.2	3.97	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.976	0.75	2.48	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.815	0.648	2.11	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.3	1.15	3.59	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.51	1.25	4	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.943	0.696	2.34	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.788	0.626	2.04	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.735	0.588	1.91	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.24	1.02	3.28	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.897	0.7	2.3	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.608	0.414	1.44	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.47	1.47	4.41	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.06	0.872	2.81	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.03	1.04	3.1	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.26	1.02	3.31	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.14	0.937	3.01	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.06	1.07	3.19	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.17	0.937	3.05	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.29	1.11	3.5	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.06	1.05	3.16	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.22	1.17	3.57	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.46	1.47	4.41	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.54	1.65	4.84	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.49	1.55	4.59	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.49	1.59	4.66	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.08	1.03	3.13	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.859	0.84	2.54	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.53	1.67	4.86	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.15	1.08	3.31	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.854	0.826	2.51	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.24	1.29	3.82	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.5	1.65	4.8	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.1	1.03	3.15	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.44	1.59	4.61	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.854	0.84	2.53	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.917	0.888	2.69	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.08	1.01	3.1	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.827	0.797	2.42	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.16	1.07	3.31	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.1	1.12	3.35	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.09	1.12	3.34	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.23	1.29	3.81	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.19	1.16	3.51	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.26	1.33	3.93	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.23	1.44	4.1	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.01	1.21	3.44	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.3	1.51	4.31	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.01	1.24	3.49	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.1	1.36	3.82	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.23	1.41	4.05	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.01	1.22	3.45	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.03	1.08	3.18	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.1	0.806	2.71	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.886	0.722	2.33	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.27	1.88	5.04	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.19	1.8	4.79	

\* = PQL adjusted to the MBCV.



**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

Page 1 of 7

**SDG Number:** 2017-1979  
**Lab Sample ID:** 11071001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135520  
**Batch ID:** 35246  
**Run Date:** 08/28/2017 17:10  
**Data File:** d28aug17a-4  
**Prep Batch:** 35242  
**Prep Date:** 02-AUG-17

**Client:** LANL001  
**Date Collected:** 07/08/2017 12:49  
**Date Received:** 07/18/2017 10:20  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 869.1 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	230	230	pg/L	230
2051-61-8	PCB-2	U	230	230	pg/L	230
2051-62-9	PCB-3	U	230	230	pg/L	230
13029-08-8	PCB-4	U	230	230	pg/L	230
16605-91-7	PCB-5	U	230	230	pg/L	230
25569-80-6	PCB-6	U	230	230	pg/L	230
33284-50-3	PCB-7	U	230	230	pg/L	230
34883-43-7	PCB-8	U	230	230	pg/L	230
34883-39-1	PCB-9	U	230	230	pg/L	230
33146-45-1	PCB-10	U	230	230	pg/L	230
2050-67-1	PCB-11	U	1150	1150	pg/L	1150
PCB-12/13	PCB-13/12	CU	460	460	pg/L	460
34883-41-5	PCB-14	U	230	230	pg/L	230
2050-68-2	PCB-15	U	230	230	pg/L	230
38444-78-9	PCB-16	U	230	230	pg/L	230
37680-66-3	PCB-17	U	230	230	pg/L	230
PCB-18/30	PCB-18/30	CU	460	460	pg/L	460
38444-73-4	PCB-19	U	230	230	pg/L	230
PCB-20/28	PCB-20/28	CU	460	460	pg/L	460
PCB-21/33	PCB-21/33	CU	460	460	pg/L	460
38444-85-8	PCB-22	U	230	230	pg/L	230
55720-44-0	PCB-23	U	230	230	pg/L	230
55702-45-9	PCB-24	U	230	230	pg/L	230
55712-37-3	PCB-25	U	230	230	pg/L	230
PCB-26/29	PCB-26/29	CU	460	460	pg/L	460
38444-76-7	PCB-27	U	230	230	pg/L	230
16606-02-3	PCB-31	U	230	230	pg/L	230
38444-77-8	PCB-32	U	230	230	pg/L	230
37680-68-5	PCB-34	U	230	230	pg/L	230
37680-69-6	PCB-35	U	230	230	pg/L	230
38444-87-0	PCB-36	U	230	230	pg/L	230
38444-90-5	PCB-37	U	230	230	pg/L	230

**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**

Page 2 of 7

**SDG Number:** 2017-1979  
**Lab Sample ID:** 11071001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135520  
**Batch ID:** 35246  
**Run Date:** 08/28/2017 17:10  
**Data File:** d28aug17a-4  
**Prep Batch:** 35242  
**Prep Date:** 02-AUG-17

**Client:** LANL001  
**Date Collected:** 07/08/2017 12:49  
**Date Received:** 07/18/2017 10:20  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 869.1 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	230	230	pg/L	230
38444-88-1	PCB-39	U	230	230	pg/L	230
PCB-40/71	PCB-40/71	CU	460	460	pg/L	460
52663-59-9	PCB-41	U	230	230	pg/L	230
36559-22-5	PCB-42	U	230	230	pg/L	230
70362-46-8	PCB-43	U	230	230	pg/L	230
PCB-44/47/65	PCB-44/65/47	CU	690	690	pg/L	690
PCB-45/51	PCB-45/51	CU	460	460	pg/L	460
41464-47-5	PCB-46	U	230	230	pg/L	230
70362-47-9	PCB-48	U	230	230	pg/L	230
PCB-49/69	PCB-69/49	CU	460	460	pg/L	460
PCB-50/53	PCB-50/53	CU	460	460	pg/L	460
35693-99-3	PCB-52		1150	1140	pg/L	230
15968-05-5	PCB-54	U	230	230	pg/L	230
74338-24-2	PCB-55	U	230	230	pg/L	230
41464-43-1	PCB-56	U	230	230	pg/L	230
70424-67-8	PCB-57	U	230	230	pg/L	230
41464-49-7	PCB-58	U	230	230	pg/L	230
PCB-59/62/75	PCB-59/62/75	CU	690	690	pg/L	690
33025-41-1	PCB-60	U	230	230	pg/L	230
PCB-61-76	PCB-61/76/70/74	CU	920	920	pg/L	920
74472-34-7	PCB-63	U	230	230	pg/L	230
52663-58-8	PCB-64	U	230	230	pg/L	230
32598-10-0	PCB-66		261	260	pg/L	230
73575-53-8	PCB-67	U	230	230	pg/L	230
73575-52-7	PCB-68	U	230	230	pg/L	230
41464-42-0	PCB-72	U	230	230	pg/L	230
74338-23-1	PCB-73	U	230	230	pg/L	230
32598-13-3	PCB-77	U	230	230	pg/L	230
70362-49-1	PCB-78	U	230	230	pg/L	230
41464-48-6	PCB-79	U	230	230	pg/L	230
33284-52-5	PCB-80	U	230	230	pg/L	230

**Comments:**

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**PCB Congeners  
Certificate of Analysis  
Sample Summary**

Page 3 of 7

SDG Number: 2017-1979  
Lab Sample ID: 11071001  
Client Sample: 1668C Water  
Client ID: WT\_IPC-17-135520  
Batch ID: 35246  
Run Date: 08/28/2017 17:10  
Data File: d28aug17a-4  
Prep Batch: 35242  
Prep Date: 02-AUG-17

Client: LANL001  
Date Collected: 07/08/2017 12:49  
Date Received: 07/18/2017 10:20  
Method: EPA Method 1668C  
Analyst: MLS  
Prep Method: SW846 3520C  
Prep Aliquot: 869.1 mL

Project: LANL00112  
Matrix: WATER  
Prep Basis: As Received  
Instrument: HRP875  
Dilution: 10  
Prep SOP Ref: CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	230	230	pg/L	230
52663-62-4	PCB-82		296	293	pg/L	230
60145-20-2	PCB-83		263	260	pg/L	230
52663-60-2	PCB-84		840	838	pg/L	230
PCB-85-117	PCB-117/116/85	CU	690	690	pg/L	690
PCB-86-125	PCB-86/87/97/109/119/125	C	2370	2370	pg/L	1380
PCB-88/91	PCB-88/91	CU	460	460	pg/L	460
73575-57-2	PCB-89	U	230	230	pg/L	230
PCB-90-113	PCB-113/90/101	C	3730	3730	pg/L	690
52663-61-3	PCB-92		712	710	pg/L	230
PCB-93/100	PCB-93/100	CU	460	460	pg/L	460
73575-55-0	PCB-94	U	230	230	pg/L	230
38379-99-6	PCB-95		3310	3310	pg/L	230
73575-54-9	PCB-96	U	230	230	pg/L	230
PCB-98/102	PCB-102/98	CU	460	460	pg/L	460
38380-01-7	PCB-99		1540	1540	pg/L	230
60145-21-3	PCB-103	U	230	230	pg/L	230
56558-16-8	PCB-104	U	230	230	pg/L	230
32598-14-4	PCB-105		802	800	pg/L	230
70424-69-0	PCB-106	U	230	230	pg/L	230
70424-68-9	PCB-107	U	230	230	pg/L	230
PCB-108/124	PCB-108/124	CU	460	460	pg/L	460
PCB-110/115	PCB-110/115	C	5440	5440	pg/L	460
39635-32-0	PCB-111	U	230	230	pg/L	230
74472-36-9	PCB-112	U	230	230	pg/L	230
74472-37-0	PCB-114	U	230	230	pg/L	230
31508-00-6	PCB-118		2250	2240	pg/L	230
68194-12-7	PCB-120	U	230	230	pg/L	230
56558-18-0	PCB-121	U	230	230	pg/L	230
76842-07-4	PCB-122	U	230	230	pg/L	230
65510-44-3	PCB-123	U	230	230	pg/L	230
57465-28-8	PCB-126	U	230	230	pg/L	230

**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**

Page 4 of 7

SDG Number: 2017-1979  
Lab Sample ID: 11071001  
Client Sample: 1668C Water  
Client ID: WT\_IPC-17-135520  
Batch ID: 35246  
Run Date: 08/28/2017 17:10  
Data File: d28aug17a-4  
Prep Batch: 35242  
Prep Date: 02-AUG-17

Client: LANL001  
Date Collected: 07/08/2017 12:49  
Date Received: 07/18/2017 10:20  
Method: EPA Method 1668C  
Analyst: MLS  
Prep Method: SW846 3520C  
Prep Aliquot: 869.1 mL

Project: LANL00112  
Matrix: WATER  
Prep Basis: As Received  
Instrument: HRP875  
Dilution: 10  
Prep SOP Ref: CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	230	230	pg/L	230
PCB-128/166	PCB-128/166	C	973	970	pg/L	460
PCB-129-163	PCB-138/163/129	C	6380	6370	pg/L	690
52663-66-8	PCB-130		356	352	pg/L	230
61798-70-7	PCB-131	U	230	230	pg/L	230
38380-05-1	PCB-132		2160	2160	pg/L	230
35694-04-3	PCB-133	U	230	230	pg/L	230
52704-70-8	PCB-134		345	340	pg/L	230
PCB-135/151	PCB-151/135	C	1780	1780	pg/L	460
38411-22-2	PCB-136		698	696	pg/L	230
35694-06-5	PCB-137		333	329	pg/L	230
PCB-139/140	PCB-139/140	CU	460	460	pg/L	460
52712-04-6	PCB-141		1010	1010	pg/L	230
41411-61-4	PCB-142	U	230	230	pg/L	230
68194-15-0	PCB-143	U	230	230	pg/L	230
68194-14-9	PCB-144		263	260	pg/L	230
74472-40-5	PCB-145	U	230	230	pg/L	230
51908-16-8	PCB-146		702	699	pg/L	230
PCB-147/149	PCB-147/149	C	4520	4520	pg/L	460
74472-41-6	PCB-148	U	230	230	pg/L	230
68194-08-1	PCB-150	U	230	230	pg/L	230
68194-09-2	PCB-152	U	230	230	pg/L	230
PCB-153/168	PCB-153/168	C	4410	4400	pg/L	460
60145-22-4	PCB-154	U	230	230	pg/L	230
33979-03-2	PCB-155	U	230	230	pg/L	230
PCB-156/157	PCB-156/157	C	560	555	pg/L	460
74472-42-7	PCB-158		591	589	pg/L	230
39635-35-3	PCB-159	U	230	230	pg/L	230
41411-62-5	PCB-160	U	230	230	pg/L	230
74472-43-8	PCB-161	U	230	230	pg/L	230
39635-34-2	PCB-162	U	230	230	pg/L	230
74472-45-0	PCB-164		390	387	pg/L	230

**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:** 2017-1979  
**Lab Sample ID:** 11071001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135520  
**Batch ID:** 35246  
**Run Date:** 08/28/2017 17:10  
**Data File:** d28aug17a-4  
**Prep Batch:** 35242  
**Prep Date:** 02-AUG-17

**Client:** LANL001  
**Date Collected:** 07/08/2017 12:49  
**Date Received:** 07/18/2017 10:20  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 869.1 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	230	230	pg/L	230
52663-72-6	PCB-167	U	233	230	pg/L	230
32774-16-6	PCB-169	U	230	230	pg/L	230
35065-30-6	PCB-170		1480	1470	pg/L	230
PCB-171/173	PCB-173/171	CU	460	460	pg/L	460
52663-74-8	PCB-172		250	245	pg/L	230
38411-25-5	PCB-174		1430	1420	pg/L	230
40186-70-7	PCB-175	U	230	230	pg/L	230
52663-65-7	PCB-176	U	230	230	pg/L	230
52663-70-4	PCB-177		781	776	pg/L	230
52663-67-9	PCB-178		248	245	pg/L	230
52663-64-6	PCB-179		499	497	pg/L	230
PCB-180/193	PCB-193/180	CU	460	460	pg/L	460
74472-47-2	PCB-181	U	230	230	pg/L	230
60145-23-5	PCB-182	U	230	230	pg/L	230
PCB-183/185	PCB-183/185	C	843	839	pg/L	460
74472-48-3	PCB-184	U	230	230	pg/L	230
74472-49-4	PCB-186	U	230	230	pg/L	230
52663-68-0	PCB-187		1490	1490	pg/L	230
74487-85-7	PCB-188	U	230	230	pg/L	230
39635-31-9	PCB-189	U	230	230	pg/L	230
41411-64-7	PCB-190		279	276	pg/L	230
74472-50-7	PCB-191	U	230	230	pg/L	230
74472-51-8	PCB-192	U	230	230	pg/L	230
35694-08-7	PCB-194		528	525	pg/L	230
52663-78-2	PCB-195	U	230	230	pg/L	230
42740-50-1	PCB-196		253	249	pg/L	230
PCB-197/200	PCB-197/200	CU	460	460	pg/L	460
PCB-198/199	PCB-198/199	C	563	559	pg/L	460
40186-71-8	PCB-201	U	230	230	pg/L	230
2136-99-4	PCB-202	U	230	230	pg/L	230
52663-76-0	PCB-203		382	378	pg/L	230

**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**

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**SDG Number:** 2017-1979  
**Lab Sample ID:** 11071001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135520  
**Batch ID:** 35246  
**Run Date:** 08/28/2017 17:10  
**Data File:** d28aug17a-4  
**Prep Batch:** 35242  
**Prep Date:** 02-AUG-17

**Client:** LANL001  
**Date Collected:** 07/08/2017 12:49  
**Date Received:** 07/18/2017 10:20  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 869.1 mL

**Project:** LANL00112  
**Matrix:** WATER  
**Prep Basis:** As Received  
**Instrument:** HRP875  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	230	230	pg/L	230
74472-53-0	PCB-205	U	230	230	pg/L	230
40186-72-9	PCB-206	U	230	230	pg/L	230
52663-79-3	PCB-207	U	230	230	pg/L	230
52663-77-1	PCB-208	U	230	230	pg/L	230
2051-24-3	PCB-209	U	230	230	pg/L	230
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		1410	1400	pg/L	
25429-29-2	Total Penta PCBs		21600	21500	pg/L	
26601-64-9	Total Hexa PCBs		25700	25400	pg/L	
28655-71-2	Total Hepta PCBs		7300	7260	pg/L	
55722-26-4	Total Octa PCBs		1730	1710	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		57700	57300	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		916	2300	pg/L	39.8	(5%-145%)
13C-3-MoCB		1340	2300	pg/L	58.2	(5%-145%)
13C-4-DiCB		1300	2300	pg/L	56.3	(5%-145%)
13C-15-DiCB		1770	2300	pg/L	76.9	(5%-145%)
13C-19-TrCB		2490	2300	pg/L	108	(5%-145%)
13C-37-TrCB		2150	2300	pg/L	93.5	(5%-145%)
13C-54-TeCB		1710	2300	pg/L	74.5	(5%-145%)
13C-77-TeCB		2480	2300	pg/L	108	(10%-145%)
13C-81-TeCB		2390	2300	pg/L	104	(10%-145%)
13C-104-PeCB		1570	2300	pg/L	68.0	(10%-145%)
13C-105-PeCB		2050	2300	pg/L	89.1	(10%-145%)
13C-114-PeCB		1950	2300	pg/L	84.9	(10%-145%)
13C-118-PeCB		1970	2300	pg/L	85.8	(10%-145%)
13C-123-PeCB		2060	2300	pg/L	89.5	(10%-145%)
13C-126-PeCB		2130	2300	pg/L	92.7	(10%-145%)
13C-155-HxCB		1660	2300	pg/L	72.0	(10%-145%)
13C-156-HxCB	C	3850	4600	pg/L	83.7	(10%-145%)
13C-167-HxCB		1900	2300	pg/L	82.7	(10%-145%)
13C-169-HxCB		2160	2300	pg/L	94.0	(10%-145%)
13C-188-HpCB		1530	2300	pg/L	66.6	(10%-145%)
13C-189-HpCB		1720	2300	pg/L	74.9	(10%-145%)
13C-202-OcCB		1560	2300	pg/L	67.9	(10%-145%)
13C-205-OcCB		2110	2300	pg/L	91.5	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-1979	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11071001	<b>Date Collected:</b> 07/08/2017 12:49	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 07/18/2017 10:20	
<b>Client ID:</b> WT_IPC-17-135520		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35246	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 08/28/2017 17:10	<b>Analyst:</b> MLS	<b>Instrument:</b> HRP875
<b>Data File:</b> d28aug17a-4		<b>Dilution:</b> 10
<b>Prep Batch:</b> 35242	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 02-AUG-17	<b>Prep Aliquot:</b> 869.1 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			2100	2300	pg/L	91.3      (10%-145%)
13C-208-NoCB			1840	2300	pg/L	79.8      (10%-145%)
13C-209-DeCB			1930	2300	pg/L	83.7      (10%-145%)
13C-28-TrCB			2610	2300	pg/L	114      (5%-145%)
13C-111-PeCB			1920	2300	pg/L	83.3      (10%-145%)
13C-178-HpCB			1890	2300	pg/L	82.1      (10%-145%)

**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-AUG-17 to 31-AUG-17

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.993	0.705	2.4	
3-Chlorobiphenyl (2)	pg/L	0.983	0.63	2.24	
4-Chlorobiphenyl (3)	pg/L	0.923	0.48	1.88	
2,2'-Dichlorobiphenyl (4)	pg/L	3.17	2.38	7.93	
2,3-Dichlorobiphenyl (5)	pg/L	1.89	1.45	4.79	
2,3'-Dichlorobiphenyl (6)	pg/L	1.46	1.05	3.56	
2,4-Dichlorobiphenyl (7)	pg/L	1.58	1.16	3.9	
2,4'-Dichlorobiphenyl (8)	pg/L	1.33	0.959	3.25	
2,5-Dichlorobiphenyl (9)	pg/L	1.66	1.27	4.19	
2,6-Dichlorobiphenyl (10)	pg/L	1.51	0.904	3.32	
3,3'-Dichlorobiphenyl (11)	pg/L	2.48	3.49	9.46	
3,4-Dichlorobiphenyl (12)	pg/L	1.67	1.24	4.14	
3,5-Dichlorobiphenyl (14)	pg/L	1.58	1.19	3.96	
4,4'-Dichlorobiphenyl (15)	pg/L	1.66	1.03	3.71	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.2	0.548	2.29	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.12	0.624	2.36	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.945	0.496	1.94	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.29	0.718	2.73	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.79	0.461	1.71	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.767	0.44	1.65	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.822	0.465	1.75	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.804	0.451	1.71	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.843	0.512	1.87	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.706	0.393	1.49	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.763	0.44	1.64	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.78	0.452	1.68	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.717	0.406	1.53	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.717	0.406	1.53	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.793	0.468	1.73	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.973	0.488	1.95	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.89	0.448	1.79	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.04	0.464	1.97	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.925	0.469	1.86	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.907	0.449	1.81	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.22	0.554	2.32	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.51	0.792	3.09	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.36	0.592	2.55	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.59	0.673	2.94	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.21	0.565	2.33	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.763	0.439	1.64	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.82	0.467	1.75	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.3	0.609	2.51	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.12	0.517	2.15	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.712	0.404	1.52	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.21	0.594	2.39	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.532	0.234	1	



# Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.952	0.469	1.89	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.956	0.486	1.93	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.857	0.432	1.72	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.902	0.476	1.85	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.966	0.459	1.88	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.93	0.461	1.85	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.03	0.511	2.05	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.818	0.422	1.66	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.974	0.458	1.89	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.867	0.409	1.68	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.797	0.402	1.6	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.82	0.408	1.64	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.819	0.403	1.62	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1	0.483	1.97	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.01	0.406	1.82	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.899	0.389	1.68	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.802	0.317	1.44	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.796	0.395	1.59	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.939	0.417	1.77	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.16	0.583	2.33	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.18	0.687	2.56	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.17	0.66	2.49	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.874	0.45	1.77	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.922	0.479	1.88	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.06	0.628	2.31	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.09	0.638	2.37	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.922	0.505	1.93	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.05	0.583	2.21	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.04	0.644	2.33	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.15	0.661	2.47	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.996	0.591	2.18	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.528	0.368	1.26	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.1	0.625	2.35	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.979	0.551	2.08	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.936	0.551	2.04	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.492	0.266	1.02	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.06	0.728	2.51	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.913	0.59	2.09	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.84	0.593	2.03	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.953	0.649	2.25	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.831	0.398	1.63	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.805	0.415	1.64	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.794	0.4	1.59	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.07	0.71	2.49	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.99	0.674	2.34	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.741	0.382	1.5	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.816	0.466	1.75	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.97	0.662	2.29	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.991	0.678	2.35	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.24	0.869	2.98	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.926	0.583	2.09	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.33	1.07	3.47	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.42	1.19	3.8	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.64	1.35	4.34	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.78	1.48	4.75	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.71	1.44	4.59	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.55	1.31	4.17	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.95	1.73	5.41	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.02	0.801	2.62	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.752	0.605	1.96	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.56	1.38	4.31	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.5	1.27	4.04	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.52	1.24	4.01	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.67	1.35	4.37	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.57	1.2	3.97	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.976	0.75	2.48	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.815	0.648	2.11	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.3	1.15	3.59	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.51	1.25	4	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.943	0.696	2.34	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.788	0.626	2.04	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.735	0.588	1.91	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.24	1.02	3.28	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.897	0.7	2.3	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.608	0.414	1.44	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.47	1.47	4.41	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.06	0.872	2.81	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.03	1.04	3.1	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.26	1.02	3.31	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.14	0.937	3.01	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.06	1.07	3.19	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.17	0.937	3.05	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.29	1.11	3.5	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.06	1.05	3.16	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.22	1.17	3.57	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.46	1.47	4.41	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.54	1.65	4.84	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.49	1.55	4.59	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.49	1.59	4.66	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.08	1.03	3.13	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.859	0.84	2.54	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.53	1.67	4.86	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.15	1.08	3.31	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.854	0.826	2.51	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.24	1.29	3.82	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.5	1.65	4.8	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.1	1.03	3.15	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.44	1.59	4.61	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.854	0.84	2.53	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.917	0.888	2.69	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.08	1.01	3.1	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.827	0.797	2.42	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.16	1.07	3.31	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.1	1.12	3.35	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.09	1.12	3.34	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.23	1.29	3.81	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.19	1.16	3.51	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.26	1.33	3.93	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.23	1.44	4.1	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.01	1.21	3.44	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.3	1.51	4.31	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.01	1.24	3.49	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.1	1.36	3.82	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.23	1.41	4.05	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.01	1.22	3.45	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.03	1.08	3.18	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.1	0.806	2.71	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.886	0.722	2.33	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.27	1.88	5.04	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.19	1.8	4.79	

\* = PQL adjusted to the MBCV.

**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

Page 1 of 7

**SDG Number:** 2017-2198  
**Lab Sample ID:** 11137001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135188  
**Batch ID:** 35338  
**Run Date:** 09/16/2017 20:39  
**Data File:** d16sep17a-8  
**Prep Batch:** 35332  
**Prep Date:** 10-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:29  
**Date Received:** 08/01/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 892.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	22.4	22.4	pg/L	22.4
2051-61-8	PCB-2	U	22.4	22.4	pg/L	22.4
2051-62-9	PCB-3	U	22.4	22.4	pg/L	22.4
13029-08-8	PCB-4	U	22.4	22.4	pg/L	22.4
16605-91-7	PCB-5	U	22.4	22.4	pg/L	22.4
25569-80-6	PCB-6	U	22.4	22.4	pg/L	22.4
33284-50-3	PCB-7	U	22.4	22.4	pg/L	22.4
34883-43-7	PCB-8	U	22.4	22.4	pg/L	22.4
34883-39-1	PCB-9	U	22.4	22.4	pg/L	22.4
33146-45-1	PCB-10	U	22.4	22.4	pg/L	22.4
2050-67-1	PCB-11	U	112	112	pg/L	112
PCB-12/13	PCB-13/12	CU	44.8	44.8	pg/L	44.8
34883-41-5	PCB-14	U	22.4	22.4	pg/L	22.4
2050-68-2	PCB-15	U	22.4	22.4	pg/L	22.4
38444-78-9	PCB-16	U	22.4	22.4	pg/L	22.4
37680-66-3	PCB-17	U	22.4	22.4	pg/L	22.4
PCB-18/30	PCB-18/30	CU	44.8	44.8	pg/L	44.8
38444-73-4	PCB-19	U	22.4	22.4	pg/L	22.4
PCB-20/28	PCB-20/28	CU	44.8	44.8	pg/L	44.8
PCB-21/33	PCB-21/33	CU	44.8	44.8	pg/L	44.8
38444-85-8	PCB-22	U	22.4	22.4	pg/L	22.4
55720-44-0	PCB-23	U	22.4	22.4	pg/L	22.4
55702-45-9	PCB-24	U	22.4	22.4	pg/L	22.4
55712-37-3	PCB-25	U	22.4	22.4	pg/L	22.4
PCB-26/29	PCB-26/29	CU	44.8	44.8	pg/L	44.8
38444-76-7	PCB-27	U	22.4	22.4	pg/L	22.4
16606-02-3	PCB-31		27.1	25.6	pg/L	22.4
38444-77-8	PCB-32	U	22.4	22.4	pg/L	22.4
37680-68-5	PCB-34	U	22.4	22.4	pg/L	22.4
37680-69-6	PCB-35	U	22.4	22.4	pg/L	22.4
38444-87-0	PCB-36	U	22.4	22.4	pg/L	22.4
38444-90-5	PCB-37		49.9	47.9	pg/L	22.4

**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**

Page 2 of 7

**SDG Number:** 2017-2198  
**Lab Sample ID:** 11137001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135188  
**Batch ID:** 35338  
**Run Date:** 09/16/2017 20:39  
**Data File:** d16sep17a-8  
**Prep Batch:** 35332  
**Prep Date:** 10-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:29  
**Date Received:** 08/01/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 892.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	22.4	22.4	pg/L	22.4
38444-88-1	PCB-39	U	22.4	22.4	pg/L	22.4
PCB-40/71	PCB-40/71	CU	44.8	44.8	pg/L	44.8
52663-59-9	PCB-41	U	22.4	22.4	pg/L	22.4
36559-22-5	PCB-42		46.5	43.9	pg/L	22.4
70362-46-8	PCB-43	U	22.4	22.4	pg/L	22.4
PCB-44/47/65	PCB-44/65/47	C	143	141	pg/L	67.2
PCB-45/51	PCB-45/51	CU	44.8	44.8	pg/L	44.8
41464-47-5	PCB-46	U	22.4	22.4	pg/L	22.4
70362-47-9	PCB-48	U	22.4	22.4	pg/L	22.4
PCB-49/69	PCB-69/49	C	120	118	pg/L	44.8
PCB-50/53	PCB-50/53	CU	44.8	44.8	pg/L	44.8
35693-99-3	PCB-52		121	119	pg/L	22.4
15968-05-5	PCB-54	U	22.4	22.4	pg/L	22.4
74338-24-2	PCB-55	U	22.4	22.4	pg/L	22.4
41464-43-1	PCB-56		123	121	pg/L	22.4
70424-67-8	PCB-57	U	22.4	22.4	pg/L	22.4
41464-49-7	PCB-58	U	22.4	22.4	pg/L	22.4
PCB-59/62/75	PCB-59/62/75	CU	67.2	67.2	pg/L	67.2
33025-41-1	PCB-60		79.9	78.1	pg/L	22.4
PCB-61-76	PCB-61/76/70/74	C	286	284	pg/L	89.6
74472-34-7	PCB-63	U	22.4	22.4	pg/L	22.4
52663-58-8	PCB-64		78.0	76.1	pg/L	22.4
32598-10-0	PCB-66		180	179	pg/L	22.4
73575-53-8	PCB-67	U	22.4	22.4	pg/L	22.4
73575-52-7	PCB-68	U	22.4	22.4	pg/L	22.4
41464-42-0	PCB-72	U	22.4	22.4	pg/L	22.4
74338-23-1	PCB-73	U	22.4	22.4	pg/L	22.4
32598-13-3	PCB-77		64.2	62.4	pg/L	22.4
70362-49-1	PCB-78	U	22.4	22.4	pg/L	22.4
41464-48-6	PCB-79	U	22.4	22.4	pg/L	22.4
33284-52-5	PCB-80	U	22.4	22.4	pg/L	22.4

**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**

Page 3 of 7

**SDG Number:** 2017-2198  
**Lab Sample ID:** 11137001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135188  
**Batch ID:** 35338  
**Run Date:** 09/16/2017 20:39  
**Data File:** d16sep17a-8  
**Prep Batch:** 35332  
**Prep Date:** 10-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:29  
**Date Received:** 08/01/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 892.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	22.4	22.4	pg/L	22.4
52663-62-4	PCB-82		44.2	41.9	pg/L	22.4
60145-20-2	PCB-83	U	23.7	22.4	pg/L	22.4
52663-60-2	PCB-84		52.7	50.2	pg/L	22.4
PCB-85-117	PCB-117/116/85	C	105	104	pg/L	67.2
PCB-86-125	PCB-86/87/97/109/119/125	C	176	174	pg/L	134
PCB-88/91	PCB-88/91	C	49.6	47.3	pg/L	44.8
73575-57-2	PCB-89	U	22.4	22.4	pg/L	22.4
PCB-90-113	PCB-113/90/101	C	203	201	pg/L	67.2
52663-61-3	PCB-92		38.9	36.6	pg/L	22.4
PCB-93/100	PCB-93/100	CU	44.8	44.8	pg/L	44.8
73575-55-0	PCB-94	U	22.4	22.4	pg/L	22.4
38379-99-6	PCB-95		155	153	pg/L	22.4
73575-54-9	PCB-96	U	22.4	22.4	pg/L	22.4
PCB-98/102	PCB-102/98	CU	44.8	44.8	pg/L	44.8
38380-01-7	PCB-99		140	138	pg/L	22.4
60145-21-3	PCB-103	U	22.4	22.4	pg/L	22.4
56558-16-8	PCB-104	U	22.4	22.4	pg/L	22.4
32598-14-4	PCB-105		155	153	pg/L	22.4
70424-69-0	PCB-106	U	22.4	22.4	pg/L	22.4
70424-68-9	PCB-107	U	22.4	22.4	pg/L	22.4
PCB-108/124	PCB-108/124	CU	44.8	44.8	pg/L	44.8
PCB-110/115	PCB-110/115	C	318	317	pg/L	44.8
39635-32-0	PCB-111	U	22.4	22.4	pg/L	22.4
74472-36-9	PCB-112	U	22.4	22.4	pg/L	22.4
74472-37-0	PCB-114	U	22.4	22.4	pg/L	22.4
31508-00-6	PCB-118		213	210	pg/L	22.4
68194-12-7	PCB-120	U	22.4	22.4	pg/L	22.4
56558-18-0	PCB-121	U	22.4	22.4	pg/L	22.4
76842-07-4	PCB-122	U	22.4	22.4	pg/L	22.4
65510-44-3	PCB-123	U	22.4	22.4	pg/L	22.4
57465-28-8	PCB-126	U	22.4	22.4	pg/L	22.4

**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**

Page 4 of 7

**SDG Number:** 2017-2198  
**Lab Sample ID:** 11137001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135188  
**Batch ID:** 35338  
**Run Date:** 09/16/2017 20:39  
**Data File:** d16sep17a-8  
**Prep Batch:** 35332  
**Prep Date:** 10-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:29  
**Date Received:** 08/01/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 892.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	22.4	22.4	pg/L	22.4
PCB-128/166	PCB-128/166	C	53.5	50	pg/L	44.8
PCB-129-163	PCB-138/163/129	C	352	349	pg/L	67.2
52663-66-8	PCB-130	U	22.4	22.4	pg/L	22.4
61798-70-7	PCB-131	U	22.4	22.4	pg/L	22.4
38380-05-1	PCB-132		85.9	81.3	pg/L	22.4
35694-04-3	PCB-133	U	22.4	22.4	pg/L	22.4
52704-70-8	PCB-134	U	22.4	22.4	pg/L	22.4
PCB-135/151	PCB-151/135	C	87.5	84.8	pg/L	44.8
38411-22-2	PCB-136		24.6	22.7	pg/L	22.4
35694-06-5	PCB-137	U	22.4	22.4	pg/L	22.4
PCB-139/140	PCB-139/140	CU	44.8	44.8	pg/L	44.8
52712-04-6	PCB-141		44.5	40.4	pg/L	22.4
41411-61-4	PCB-142	U	22.4	22.4	pg/L	22.4
68194-15-0	PCB-143	U	22.4	22.4	pg/L	22.4
68194-14-9	PCB-144	U	22.4	22.4	pg/L	22.4
74472-40-5	PCB-145	U	22.4	22.4	pg/L	22.4
51908-16-8	PCB-146		39.4	35.8	pg/L	22.4
PCB-147/149	PCB-147/149	C	189	185	pg/L	44.8
74472-41-6	PCB-148	U	22.4	22.4	pg/L	22.4
68194-08-1	PCB-150	U	22.4	22.4	pg/L	22.4
68194-09-2	PCB-152	U	22.4	22.4	pg/L	22.4
PCB-153/168	PCB-153/168	C	237	234	pg/L	44.8
60145-22-4	PCB-154	U	22.4	22.4	pg/L	22.4
33979-03-2	PCB-155	U	22.4	22.4	pg/L	22.4
PCB-156/157	PCB-156/157	CU	44.8	44.8	pg/L	44.8
74472-42-7	PCB-158		26.7	23.9	pg/L	22.4
39635-35-3	PCB-159	U	22.4	22.4	pg/L	22.4
41411-62-5	PCB-160	U	22.4	22.4	pg/L	22.4
74472-43-8	PCB-161	U	22.4	22.4	pg/L	22.4
39635-34-2	PCB-162	U	22.4	22.4	pg/L	22.4
74472-45-0	PCB-164	U	23.1	22.4	pg/L	22.4

**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**

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**SDG Number:** 2017-2198  
**Lab Sample ID:** 11137001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135188  
**Batch ID:** 35338  
**Run Date:** 09/16/2017 20:39  
**Data File:** d16sep17a-8  
**Prep Batch:** 35332  
**Prep Date:** 10-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:29  
**Date Received:** 08/01/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 892.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	22.4	22.4	pg/L	22.4
52663-72-6	PCB-167	U	22.4	22.4	pg/L	22.4
32774-16-6	PCB-169	U	22.4	22.4	pg/L	22.4
35065-30-6	PCB-170		81.0	76.6	pg/L	22.4
PCB-171/173	PCB-173/171	CU	44.8	44.8	pg/L	44.8
52663-74-8	PCB-172	U	22.4	22.4	pg/L	22.4
38411-25-5	PCB-174		81.9	77.3	pg/L	22.4
40186-70-7	PCB-175	U	22.4	22.4	pg/L	22.4
52663-65-7	PCB-176	U	22.4	22.4	pg/L	22.4
52663-70-4	PCB-177		50.1	45.2	pg/L	22.4
52663-67-9	PCB-178	U	22.4	22.4	pg/L	22.4
52663-64-6	PCB-179		29.1	26.6	pg/L	22.4
PCB-180/193	PCB-193/180	CU	44.8	44.8	pg/L	44.8
74472-47-2	PCB-181	U	22.4	22.4	pg/L	22.4
60145-23-5	PCB-182	U	22.4	22.4	pg/L	22.4
PCB-183/185	PCB-183/185	CU	46.5	44.8	pg/L	44.8
74472-48-3	PCB-184	U	22.4	22.4	pg/L	22.4
74472-49-4	PCB-186	U	22.4	22.4	pg/L	22.4
52663-68-0	PCB-187		104	101	pg/L	22.4
74487-85-7	PCB-188	U	22.4	22.4	pg/L	22.4
39635-31-9	PCB-189	U	22.4	22.4	pg/L	22.4
41411-64-7	PCB-190	U	22.4	22.4	pg/L	22.4
74472-50-7	PCB-191	U	22.4	22.4	pg/L	22.4
74472-51-8	PCB-192	U	22.4	22.4	pg/L	22.4
35694-08-7	PCB-194		40.8	37.2	pg/L	22.4
52663-78-2	PCB-195	U	22.4	22.4	pg/L	22.4
42740-50-1	PCB-196	U	22.4	22.4	pg/L	22.4
PCB-197/200	PCB-197/200	CU	44.8	44.8	pg/L	44.8
PCB-198/199	PCB-198/199	CU	47.6	44.8	pg/L	44.8
40186-71-8	PCB-201	U	22.4	22.4	pg/L	22.4
2136-99-4	PCB-202	U	22.4	22.4	pg/L	22.4
52663-76-0	PCB-203		26.6	22.5	pg/L	22.4

**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**

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**SDG Number:** 2017-2198  
**Lab Sample ID:** 11137001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135188  
**Batch ID:** 35338  
**Run Date:** 09/16/2017 20:39  
**Data File:** d16sep17a-8  
**Prep Batch:** 35332  
**Prep Date:** 10-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:29  
**Date Received:** 08/01/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 892.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	22.4	22.4	pg/L	22.4
74472-53-0	PCB-205	U	22.4	22.4	pg/L	22.4
40186-72-9	PCB-206	U	22.4	22.4	pg/L	22.4
52663-79-3	PCB-207	U	22.4	22.4	pg/L	22.4
52663-77-1	PCB-208	U	22.4	22.4	pg/L	22.4
2051-24-3	PCB-209	U	22.4	22.4	pg/L	22.4
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		77.0	73.5	pg/L	
26914-33-0	Total Tetra PCBs		1240	1220	pg/L	
25429-29-2	Total Penta PCBs		1670	1630	pg/L	
26601-64-9	Total Hexa PCBs		1160	1110	pg/L	
28655-71-2	Total Hepta PCBs		393	327	pg/L	
55722-26-4	Total Octa PCBs		115	59.8	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		4670	4410	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		972	2240	pg/L	43.4	(5%-145%)
13C-3-MoCB		1230	2240	pg/L	55.0	(5%-145%)
13C-4-DiCB		1090	2240	pg/L	48.5	(5%-145%)
13C-15-DiCB		2220	2240	pg/L	98.9	(5%-145%)
13C-19-TrCB		1560	2240	pg/L	69.8	(5%-145%)
13C-37-TrCB		2590	2240	pg/L	115	(5%-145%)
13C-54-TeCB		1250	2240	pg/L	55.6	(5%-145%)
13C-77-TeCB		2830	2240	pg/L	126	(10%-145%)
13C-81-TeCB		2780	2240	pg/L	124	(10%-145%)
13C-104-PeCB		1310	2240	pg/L	58.6	(10%-145%)
13C-105-PeCB		2180	2240	pg/L	97.4	(10%-145%)
13C-114-PeCB		2100	2240	pg/L	93.8	(10%-145%)
13C-118-PeCB		2120	2240	pg/L	94.4	(10%-145%)
13C-123-PeCB		2130	2240	pg/L	95.0	(10%-145%)
13C-126-PeCB		2320	2240	pg/L	103	(10%-145%)
13C-155-HxCB		1410	2240	pg/L	63.1	(10%-145%)
13C-156-HxCB	C	4010	4480	pg/L	89.5	(10%-145%)
13C-167-HxCB		2010	2240	pg/L	89.7	(10%-145%)
13C-169-HxCB		2260	2240	pg/L	101	(10%-145%)
13C-188-HpCB		1370	2240	pg/L	61.3	(10%-145%)
13C-189-HpCB		1740	2240	pg/L	77.8	(10%-145%)
13C-202-OcCB		1440	2240	pg/L	64.2	(10%-145%)
13C-205-OcCB		2050	2240	pg/L	91.7	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-2198	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11137001	<b>Date Collected:</b> 07/26/2017 11:29	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 08/01/2017 10:00	
<b>Client ID:</b> WT_IPC-17-135188		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35338	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 09/16/2017 20:39	<b>Analyst:</b> CLP	<b>Instrument:</b> HRP875
<b>Data File:</b> d16sep17a-8		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35332	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 10-AUG-17	<b>Prep Aliquot:</b> 892.6 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			1960	2240	pg/L	87.5      (10%-145%)
13C-208-NoCB			1700	2240	pg/L	75.9      (10%-145%)
13C-209-DeCB			1640	2240	pg/L	73.2      (10%-145%)
13C-28-TrCB			1720	2240	pg/L	76.6      (5%-145%)
13C-111-PeCB			1950	2240	pg/L	87.1      (10%-145%)
13C-178-HpCB			1690	2240	pg/L	75.6      (10%-145%)

**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-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.993	0.705	2.4	
3-Chlorobiphenyl (2)	pg/L	0.983	0.63	2.24	
4-Chlorobiphenyl (3)	pg/L	0.923	0.48	1.88	
2,2'-Dichlorobiphenyl (4)	pg/L	3.17	2.38	7.93	
2,3-Dichlorobiphenyl (5)	pg/L	1.89	1.45	4.79	
2,3'-Dichlorobiphenyl (6)	pg/L	1.46	1.05	3.56	
2,4-Dichlorobiphenyl (7)	pg/L	1.58	1.16	3.9	
2,4'-Dichlorobiphenyl (8)	pg/L	1.33	0.959	3.25	
2,5-Dichlorobiphenyl (9)	pg/L	1.66	1.27	4.19	
2,6-Dichlorobiphenyl (10)	pg/L	1.51	0.904	3.32	
3,3'-Dichlorobiphenyl (11)	pg/L	2.48	3.49	9.46	
3,4-Dichlorobiphenyl (12)	pg/L	1.67	1.24	4.14	
3,5-Dichlorobiphenyl (14)	pg/L	1.58	1.19	3.96	
4,4'-Dichlorobiphenyl (15)	pg/L	1.66	1.03	3.71	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.2	0.548	2.29	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.12	0.624	2.36	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.945	0.496	1.94	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.29	0.718	2.73	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.79	0.461	1.71	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.767	0.44	1.65	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.822	0.465	1.75	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.804	0.451	1.71	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.843	0.512	1.87	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.706	0.393	1.49	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.763	0.44	1.64	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.78	0.452	1.68	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.717	0.406	1.53	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.717	0.406	1.53	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.793	0.468	1.73	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.973	0.488	1.95	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.89	0.448	1.79	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.04	0.464	1.97	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.925	0.469	1.86	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.907	0.449	1.81	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.22	0.554	2.32	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.51	0.792	3.09	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.36	0.592	2.55	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.59	0.673	2.94	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.21	0.565	2.33	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.763	0.439	1.64	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.82	0.467	1.75	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.3	0.609	2.51	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.12	0.517	2.15	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.712	0.404	1.52	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.21	0.594	2.39	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.532	0.234	1	

# Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.952	0.469	1.89	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.956	0.486	1.93	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.857	0.432	1.72	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.902	0.476	1.85	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.966	0.459	1.88	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.93	0.461	1.85	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.03	0.511	2.05	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.818	0.422	1.66	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.974	0.458	1.89	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.867	0.409	1.68	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.797	0.402	1.6	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.82	0.408	1.64	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.819	0.403	1.62	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1	0.483	1.97	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.01	0.406	1.82	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.899	0.389	1.68	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.802	0.317	1.44	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.796	0.395	1.59	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.939	0.417	1.77	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.16	0.583	2.33	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.18	0.687	2.56	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.17	0.66	2.49	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.874	0.45	1.77	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.922	0.479	1.88	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.06	0.628	2.31	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.09	0.638	2.37	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.922	0.505	1.93	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.05	0.583	2.21	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.04	0.644	2.33	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.15	0.661	2.47	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.996	0.591	2.18	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.528	0.368	1.26	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.1	0.625	2.35	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.979	0.551	2.08	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.936	0.551	2.04	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.492	0.266	1.02	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.06	0.728	2.51	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.913	0.59	2.09	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.84	0.593	2.03	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.953	0.649	2.25	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.831	0.398	1.63	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.805	0.415	1.64	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.794	0.4	1.59	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.07	0.71	2.49	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.99	0.674	2.34	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.741	0.382	1.5	

# Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.816	0.466	1.75	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.97	0.662	2.29	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.991	0.678	2.35	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.24	0.869	2.98	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.926	0.583	2.09	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.33	1.07	3.47	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.42	1.19	3.8	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.64	1.35	4.34	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.78	1.48	4.75	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.71	1.44	4.59	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.55	1.31	4.17	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.95	1.73	5.41	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.02	0.801	2.62	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.752	0.605	1.96	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.56	1.38	4.31	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.5	1.27	4.04	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.52	1.24	4.01	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.67	1.35	4.37	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.57	1.2	3.97	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.976	0.75	2.48	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.815	0.648	2.11	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.3	1.15	3.59	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.51	1.25	4	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.943	0.696	2.34	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.788	0.626	2.04	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.735	0.588	1.91	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.24	1.02	3.28	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.897	0.7	2.3	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.608	0.414	1.44	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.47	1.47	4.41	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.06	0.872	2.81	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.03	1.04	3.1	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.26	1.02	3.31	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.14	0.937	3.01	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.06	1.07	3.19	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.17	0.937	3.05	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.29	1.11	3.5	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.06	1.05	3.16	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.22	1.17	3.57	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.46	1.47	4.41	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.54	1.65	4.84	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.49	1.55	4.59	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.49	1.59	4.66	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.08	1.03	3.13	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.859	0.84	2.54	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.53	1.67	4.86	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.15	1.08	3.31	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.854	0.826	2.51	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.24	1.29	3.82	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.5	1.65	4.8	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.1	1.03	3.15	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.44	1.59	4.61	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.854	0.84	2.53	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.917	0.888	2.69	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.08	1.01	3.1	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.827	0.797	2.42	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.16	1.07	3.31	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.1	1.12	3.35	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.09	1.12	3.34	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.23	1.29	3.81	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.19	1.16	3.51	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.26	1.33	3.93	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.23	1.44	4.1	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.01	1.21	3.44	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.3	1.51	4.31	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.01	1.24	3.49	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.1	1.36	3.82	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.23	1.41	4.05	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.01	1.22	3.45	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.03	1.08	3.18	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.1	0.806	2.71	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.886	0.722	2.33	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.27	1.88	5.04	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.19	1.8	4.79	

\* = PQL adjusted to the MBCV.

**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

Page 1 of 7

**SDG Number:** 2017-2367  
**Lab Sample ID:** 11179001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135527  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 03:29  
**Data File:** c18sep17a\_2-7  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:17  
**Date Received:** 08/08/2017 11:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 767.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	26.1	26.1	pg/L	26.1
2051-61-8	PCB-2	U	26.1	26.1	pg/L	26.1
2051-62-9	PCB-3	U	26.1	26.1	pg/L	26.1
13029-08-8	PCB-4	U	26.1	26.1	pg/L	26.1
16605-91-7	PCB-5	U	26.1	26.1	pg/L	26.1
25569-80-6	PCB-6	U	26.1	26.1	pg/L	26.1
33284-50-3	PCB-7	U	26.1	26.1	pg/L	26.1
34883-43-7	PCB-8		39.3	36.1	pg/L	26.1
34883-39-1	PCB-9	U	26.1	26.1	pg/L	26.1
33146-45-1	PCB-10	U	26.1	26.1	pg/L	26.1
2050-67-1	PCB-11	U	134	130	pg/L	130
PCB-12/13	PCB-13/12	CU	52.1	52.1	pg/L	52.1
34883-41-5	PCB-14	U	26.1	26.1	pg/L	26.1
2050-68-2	PCB-15		195	191	pg/L	26.1
38444-78-9	PCB-16		41.7	39.4	pg/L	26.1
37680-66-3	PCB-17		56.1	53.7	pg/L	26.1
PCB-18/30	PCB-18/30	C	113	111	pg/L	52.1
38444-73-4	PCB-19	U	28.4	26.1	pg/L	26.1
PCB-20/28	PCB-20/28	C	361	360	pg/L	52.1
PCB-21/33	PCB-21/33	C	85.2	83.6	pg/L	52.1
38444-85-8	PCB-22		89.3	87.6	pg/L	26.1
55720-44-0	PCB-23	U	26.1	26.1	pg/L	26.1
55702-45-9	PCB-24	U	26.1	26.1	pg/L	26.1
55712-37-3	PCB-25	U	26.1	26.1	pg/L	26.1
PCB-26/29	PCB-26/29	CU	52.1	52.1	pg/L	52.1
38444-76-7	PCB-27	U	26.1	26.1	pg/L	26.1
16606-02-3	PCB-31		224	223	pg/L	26.1
38444-77-8	PCB-32		52.8	51.3	pg/L	26.1
37680-68-5	PCB-34	U	26.1	26.1	pg/L	26.1
37680-69-6	PCB-35	U	26.1	26.1	pg/L	26.1
38444-87-0	PCB-36	U	26.1	26.1	pg/L	26.1
38444-90-5	PCB-37		200	198	pg/L	26.1

**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**

Page 2 of 7

**SDG Number:** 2017-2367  
**Lab Sample ID:** 11179001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135527  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 03:29  
**Data File:** c18sep17a\_2-7  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:17  
**Date Received:** 08/08/2017 11:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 767.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	26.1	26.1	pg/L	26.1
38444-88-1	PCB-39	U	26.1	26.1	pg/L	26.1
PCB-40/71	PCB-40/71	C	246	244	pg/L	52.1
52663-59-9	PCB-41	U	28.9	26.1	pg/L	26.1
36559-22-5	PCB-42		149	147	pg/L	26.1
70362-46-8	PCB-43		73.3	70.3	pg/L	26.1
PCB-44/47/65	PCB-44/65/47	C	1040	1040	pg/L	78.2
PCB-45/51	PCB-45/51	C	81.5	79.9	pg/L	52.1
41464-47-5	PCB-46	U	26.2	26.1	pg/L	26.1
70362-47-9	PCB-48		75.6	73.1	pg/L	26.1
PCB-49/69	PCB-69/49	C	637	635	pg/L	52.1
PCB-50/53	PCB-50/53	C	84.1	82.6	pg/L	52.1
35693-99-3	PCB-52		2670	2670	pg/L	26.1
15968-05-5	PCB-54	U	26.1	26.1	pg/L	26.1
74338-24-2	PCB-55	U	26.1	26.1	pg/L	26.1
41464-43-1	PCB-56		233	231	pg/L	26.1
70424-67-8	PCB-57	U	26.1	26.1	pg/L	26.1
41464-49-7	PCB-58	U	26.1	26.1	pg/L	26.1
PCB-59/62/75	PCB-59/62/75	CU	78.2	78.2	pg/L	78.2
33025-41-1	PCB-60		59.2	57.3	pg/L	26.1
PCB-61-76	PCB-61/76/70/74	C	1200	1200	pg/L	104
74472-34-7	PCB-63	U	26.1	26.1	pg/L	26.1
52663-58-8	PCB-64		256	254	pg/L	26.1
32598-10-0	PCB-66		615	614	pg/L	26.1
73575-53-8	PCB-67	U	26.1	26.1	pg/L	26.1
73575-52-7	PCB-68	U	26.1	26.1	pg/L	26.1
41464-42-0	PCB-72	U	26.1	26.1	pg/L	26.1
74338-23-1	PCB-73		43.7	41.7	pg/L	26.1
32598-13-3	PCB-77		120	118	pg/L	26.1
70362-49-1	PCB-78	U	26.1	26.1	pg/L	26.1
41464-48-6	PCB-79		57.6	56.2	pg/L	26.1
33284-52-5	PCB-80	U	26.1	26.1	pg/L	26.1

**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**

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**SDG Number:** 2017-2367  
**Lab Sample ID:** 11179001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135527  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 03:29  
**Data File:** c18sep17a\_2-7  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:17  
**Date Received:** 08/08/2017 11:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 767.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	26.1	26.1	pg/L	26.1
52663-62-4	PCB-82		722	719	pg/L	26.1
60145-20-2	PCB-83		337	334	pg/L	26.1
52663-60-2	PCB-84		1590	1580	pg/L	26.1
PCB-85-117	PCB-117/116/85	C	1150	1150	pg/L	78.2
PCB-86-125	PCB-86/87/97/109/119/125	C	4480	4480	pg/L	156
PCB-88/91	PCB-88/91	C	888	886	pg/L	52.1
73575-57-2	PCB-89		29.5	27.1	pg/L	26.1
PCB-90-113	PCB-113/90/101	C	6650	6650	pg/L	78.2
52663-61-3	PCB-92		1210	1210	pg/L	26.1
PCB-93/100	PCB-93/100	CU	52.1	52.1	pg/L	52.1
73575-55-0	PCB-94	U	26.1	26.1	pg/L	26.1
38379-99-6	PCB-95		5370	5370	pg/L	26.1
73575-54-9	PCB-96	U	26.1	26.1	pg/L	26.1
PCB-98/102	PCB-102/98	C	146	144	pg/L	52.1
38380-01-7	PCB-99		2850	2840	pg/L	26.1
60145-21-3	PCB-103	U	26.1	26.1	pg/L	26.1
56558-16-8	PCB-104	U	26.1	26.1	pg/L	26.1
32598-14-4	PCB-105		2040	2040	pg/L	26.1
70424-69-0	PCB-106	U	26.1	26.1	pg/L	26.1
70424-68-9	PCB-107		308	306	pg/L	26.1
PCB-108/124	PCB-108/124	C	260	258	pg/L	52.1
PCB-110/115	PCB-110/115	CU	52.1	52.1	pg/L	52.1
39635-32-0	PCB-111	U	26.1	26.1	pg/L	26.1
74472-36-9	PCB-112	U	26.1	26.1	pg/L	26.1
74472-37-0	PCB-114		47.1	44.6	pg/L	26.1
31508-00-6	PCB-118		5370	5370	pg/L	26.1
68194-12-7	PCB-120	U	26.1	26.1	pg/L	26.1
56558-18-0	PCB-121	U	26.1	26.1	pg/L	26.1
76842-07-4	PCB-122		86.8	84.5	pg/L	26.1
65510-44-3	PCB-123		114	112	pg/L	26.1
57465-28-8	PCB-126		29.2	26.2	pg/L	26.1

**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**

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**SDG Number:** 2017-2367  
**Lab Sample ID:** 11179001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135527  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 03:29  
**Data File:** c18sep17a\_2-7  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:17  
**Date Received:** 08/08/2017 11:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 767.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	26.1	26.1	pg/L	26.1
PCB-128/166	PCB-128/166	C	1840	1840	pg/L	52.1
PCB-129-163	PCB-138/163/129	C	11700	11700	pg/L	78.2
52663-66-8	PCB-130		668	664	pg/L	26.1
61798-70-7	PCB-131		129	125	pg/L	26.1
38380-05-1	PCB-132		3430	3420	pg/L	26.1
35694-04-3	PCB-133		116	112	pg/L	26.1
52704-70-8	PCB-134		571	566	pg/L	26.1
PCB-135/151	PCB-151/135	C	2640	2630	pg/L	52.1
38411-22-2	PCB-136		923	921	pg/L	26.1
35694-06-5	PCB-137		526	521	pg/L	26.1
PCB-139/140	PCB-139/140	C	154	150	pg/L	52.1
52712-04-6	PCB-141		1860	1860	pg/L	26.1
41411-61-4	PCB-142	U	26.1	26.1	pg/L	26.1
68194-15-0	PCB-143	U	28.7	26.1	pg/L	26.1
68194-14-9	PCB-144		382	380	pg/L	26.1
74472-40-5	PCB-145	U	26.1	26.1	pg/L	26.1
51908-16-8	PCB-146		1210	1210	pg/L	26.1
PCB-147/149	PCB-147/149	C	6920	6910	pg/L	52.1
74472-41-6	PCB-148	U	26.1	26.1	pg/L	26.1
68194-08-1	PCB-150	U	26.1	26.1	pg/L	26.1
68194-09-2	PCB-152	U	26.1	26.1	pg/L	26.1
PCB-153/168	PCB-153/168	C	7830	7820	pg/L	52.1
60145-22-4	PCB-154		58.6	56.3	pg/L	26.1
33979-03-2	PCB-155	U	26.1	26.1	pg/L	26.1
PCB-156/157	PCB-156/157	C	1240	1240	pg/L	52.1
74472-42-7	PCB-158		1060	1060	pg/L	26.1
39635-35-3	PCB-159	U	26.1	26.1	pg/L	26.1
41411-62-5	PCB-160	U	26.1	26.1	pg/L	26.1
74472-43-8	PCB-161	U	26.1	26.1	pg/L	26.1
39635-34-2	PCB-162		33.6	30.4	pg/L	26.1
74472-45-0	PCB-164		792	789	pg/L	26.1

**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**

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**SDG Number:** 2017-2367  
**Lab Sample ID:** 11179001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135527  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 03:29  
**Data File:** c18sep17a\_2-7  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:17  
**Date Received:** 08/08/2017 11:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 767.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	26.1	26.1	pg/L	26.1
52663-72-6	PCB-167		486	483	pg/L	26.1
32774-16-6	PCB-169	U	26.1	26.1	pg/L	26.1
35065-30-6	PCB-170		2580	2570	pg/L	26.1
PCB-171/173	PCB-173/171	C	704	699	pg/L	52.1
52663-74-8	PCB-172		388	383	pg/L	26.1
38411-25-5	PCB-174		2240	2240	pg/L	26.1
40186-70-7	PCB-175		83.0	79.9	pg/L	26.1
52663-65-7	PCB-176		235	233	pg/L	26.1
52663-70-4	PCB-177		1340	1330	pg/L	26.1
52663-67-9	PCB-178		414	410	pg/L	26.1
52663-64-6	PCB-179		731	728	pg/L	26.1
PCB-180/193	PCB-193/180	CU	52.1	52.1	pg/L	52.1
74472-47-2	PCB-181	U	26.1	26.1	pg/L	26.1
60145-23-5	PCB-182	U	26.1	26.1	pg/L	26.1
PCB-183/185	PCB-183/185	C	1350	1340	pg/L	52.1
74472-48-3	PCB-184	U	26.1	26.1	pg/L	26.1
74472-49-4	PCB-186	U	26.1	26.1	pg/L	26.1
52663-68-0	PCB-187		2480	2480	pg/L	26.1
74487-85-7	PCB-188	U	26.1	26.1	pg/L	26.1
39635-31-9	PCB-189		115	112	pg/L	26.1
41411-64-7	PCB-190		524	521	pg/L	26.1
74472-50-7	PCB-191		89.5	86.2	pg/L	26.1
74472-51-8	PCB-192	U	26.1	26.1	pg/L	26.1
35694-08-7	PCB-194		985	981	pg/L	26.1
52663-78-2	PCB-195		394	390	pg/L	26.1
42740-50-1	PCB-196		448	444	pg/L	26.1
PCB-197/200	PCB-197/200	CU	52.1	52.1	pg/L	52.1
PCB-198/199	PCB-198/199	C	1060	1050	pg/L	52.1
40186-71-8	PCB-201		98.8	95.3	pg/L	26.1
2136-99-4	PCB-202		189	185	pg/L	26.1
52663-76-0	PCB-203		673	669	pg/L	26.1

**Comments:**

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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2017-2367  
**Lab Sample ID:** 11179001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135527  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 03:29  
**Data File:** c18sep17a\_2-7  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:17  
**Date Received:** 08/08/2017 11:00  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 767.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
**Prep Basis:** As Received  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	26.1	26.1	pg/L	26.1
74472-53-0	PCB-205		53.3	50.1	pg/L	26.1
40186-72-9	PCB-206		359	356	pg/L	26.1
52663-79-3	PCB-207		44.0	41.7	pg/L	26.1
52663-77-1	PCB-208		103	98	pg/L	26.1
2051-24-3	PCB-209		142	137	pg/L	26.1
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		368	227	pg/L	
25323-68-6	Total Tri PCBs		1250	1210	pg/L	
26914-33-0	Total Tetra PCBs		7690	7600	pg/L	
25429-29-2	Total Penta PCBs		33700	33600	pg/L	
26601-64-9	Total Hexa PCBs		44600	44500	pg/L	
28655-71-2	Total Hepta PCBs		13300	13200	pg/L	
55722-26-4	Total Octa PCBs		3900	3870	pg/L	
53742-07-7	Total Nona PCBs		506	496	pg/L	
DECACB(Tot)	Total Deca PCB		142	137	pg/L	
1336-36-3	Total PCB Congeners		105000	105000	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1270	2610	pg/L	48.5	(5%-145%)
13C-3-MoCB		1510	2610	pg/L	57.8	(5%-145%)
13C-4-DiCB		1440	2610	pg/L	55.4	(5%-145%)
13C-15-DiCB		2190	2610	pg/L	83.9	(5%-145%)
13C-19-TrCB		1730	2610	pg/L	66.5	(5%-145%)
13C-37-TrCB		2390	2610	pg/L	91.6	(5%-145%)
13C-54-TeCB		1860	2610	pg/L	71.2	(5%-145%)
13C-77-TeCB		2980	2610	pg/L	114	(10%-145%)
13C-81-TeCB		2940	2610	pg/L	113	(10%-145%)
13C-104-PeCB		2000	2610	pg/L	76.7	(10%-145%)
13C-105-PeCB		2840	2610	pg/L	109	(10%-145%)
13C-114-PeCB		2850	2610	pg/L	109	(10%-145%)
13C-118-PeCB		2840	2610	pg/L	109	(10%-145%)
13C-123-PeCB		2920	2610	pg/L	112	(10%-145%)
13C-126-PeCB		3320	2610	pg/L	127	(10%-145%)
13C-155-HxCB		1520	2610	pg/L	58.5	(10%-145%)
13C-156-HxCB	C	5020	5210	pg/L	96.3	(10%-145%)
13C-167-HxCB		2560	2610	pg/L	98.2	(10%-145%)
13C-169-HxCB		2760	2610	pg/L	106	(10%-145%)
13C-188-HpCB		1580	2610	pg/L	60.7	(10%-145%)
13C-189-HpCB		2140	2610	pg/L	82.2	(10%-145%)
13C-202-OcCB		1740	2610	pg/L	66.9	(10%-145%)
13C-205-OcCB		2280	2610	pg/L	87.4	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-2367	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11179001	<b>Date Collected:</b> 07/26/2017 11:17	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 08/08/2017 11:00	
<b>Client ID:</b> WT_IPC-17-135527		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35537	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 09/19/2017 03:29	<b>Analyst:</b> CLP	<b>Instrument:</b> HRP791
<b>Data File:</b> c18sep17a_2-7		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35534	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 30-AUG-17	<b>Prep Aliquot:</b> 767.5 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			2260	2610	pg/L	86.7      (10%-145%)
13C-208-NoCB			2010	2610	pg/L	77.2      (10%-145%)
13C-209-DeCB			2100	2610	pg/L	80.5      (10%-145%)
13C-28-TrCB			1920	2610	pg/L	73.7      (5%-145%)
13C-111-PeCB			2200	2610	pg/L	84.3      (10%-145%)
13C-178-HpCB			2180	2610	pg/L	83.6      (10%-145%)

**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-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.993	0.705	2.4	
3-Chlorobiphenyl (2)	pg/L	0.983	0.63	2.24	
4-Chlorobiphenyl (3)	pg/L	0.923	0.48	1.88	
2,2'-Dichlorobiphenyl (4)	pg/L	3.17	2.38	7.93	
2,3-Dichlorobiphenyl (5)	pg/L	1.89	1.45	4.79	
2,3'-Dichlorobiphenyl (6)	pg/L	1.46	1.05	3.56	
2,4-Dichlorobiphenyl (7)	pg/L	1.58	1.16	3.9	
2,4'-Dichlorobiphenyl (8)	pg/L	1.33	0.959	3.25	
2,5-Dichlorobiphenyl (9)	pg/L	1.66	1.27	4.19	
2,6-Dichlorobiphenyl (10)	pg/L	1.51	0.904	3.32	
3,3'-Dichlorobiphenyl (11)	pg/L	2.48	3.49	9.46	
3,4-Dichlorobiphenyl (12)	pg/L	1.67	1.24	4.14	
3,5-Dichlorobiphenyl (14)	pg/L	1.58	1.19	3.96	
4,4'-Dichlorobiphenyl (15)	pg/L	1.66	1.03	3.71	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.2	0.548	2.29	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.12	0.624	2.36	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.945	0.496	1.94	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.29	0.718	2.73	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.79	0.461	1.71	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.767	0.44	1.65	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.822	0.465	1.75	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.804	0.451	1.71	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.843	0.512	1.87	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.706	0.393	1.49	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.763	0.44	1.64	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.78	0.452	1.68	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.717	0.406	1.53	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.717	0.406	1.53	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.793	0.468	1.73	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.973	0.488	1.95	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.89	0.448	1.79	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.04	0.464	1.97	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.925	0.469	1.86	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.907	0.449	1.81	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.22	0.554	2.32	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.51	0.792	3.09	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.36	0.592	2.55	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.59	0.673	2.94	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.21	0.565	2.33	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.763	0.439	1.64	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.82	0.467	1.75	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.3	0.609	2.51	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.12	0.517	2.15	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.712	0.404	1.52	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.21	0.594	2.39	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.532	0.234	1	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.952	0.469	1.89	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.956	0.486	1.93	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.857	0.432	1.72	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.902	0.476	1.85	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.966	0.459	1.88	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.93	0.461	1.85	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.03	0.511	2.05	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.818	0.422	1.66	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.974	0.458	1.89	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.867	0.409	1.68	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.797	0.402	1.6	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.82	0.408	1.64	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.819	0.403	1.62	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1	0.483	1.97	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.01	0.406	1.82	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.899	0.389	1.68	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.802	0.317	1.44	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.796	0.395	1.59	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.939	0.417	1.77	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.16	0.583	2.33	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.18	0.687	2.56	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.17	0.66	2.49	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.874	0.45	1.77	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.922	0.479	1.88	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.06	0.628	2.31	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.09	0.638	2.37	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.922	0.505	1.93	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.05	0.583	2.21	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.04	0.644	2.33	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.15	0.661	2.47	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.996	0.591	2.18	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.528	0.368	1.26	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.1	0.625	2.35	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.979	0.551	2.08	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.936	0.551	2.04	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.492	0.266	1.02	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.06	0.728	2.51	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.913	0.59	2.09	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.84	0.593	2.03	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.953	0.649	2.25	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.831	0.398	1.63	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.805	0.415	1.64	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.794	0.4	1.59	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.07	0.71	2.49	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.99	0.674	2.34	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.741	0.382	1.5	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.816	0.466	1.75	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.97	0.662	2.29	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.991	0.678	2.35	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.24	0.869	2.98	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.926	0.583	2.09	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.33	1.07	3.47	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.42	1.19	3.8	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.64	1.35	4.34	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.78	1.48	4.75	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.71	1.44	4.59	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.55	1.31	4.17	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.95	1.73	5.41	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.02	0.801	2.62	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.752	0.605	1.96	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.56	1.38	4.31	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.5	1.27	4.04	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.52	1.24	4.01	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.67	1.35	4.37	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.57	1.2	3.97	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.976	0.75	2.48	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.815	0.648	2.11	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.3	1.15	3.59	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.51	1.25	4	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.943	0.696	2.34	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.788	0.626	2.04	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.735	0.588	1.91	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.24	1.02	3.28	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.897	0.7	2.3	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.608	0.414	1.44	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.47	1.47	4.41	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.06	0.872	2.81	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.03	1.04	3.1	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.26	1.02	3.31	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.14	0.937	3.01	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.06	1.07	3.19	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.17	0.937	3.05	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.29	1.11	3.5	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.06	1.05	3.16	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.22	1.17	3.57	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.46	1.47	4.41	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.54	1.65	4.84	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.49	1.55	4.59	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.49	1.59	4.66	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.08	1.03	3.13	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.859	0.84	2.54	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.53	1.67	4.86	



# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.15	1.08	3.31	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.854	0.826	2.51	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.24	1.29	3.82	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.5	1.65	4.8	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.1	1.03	3.15	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.44	1.59	4.61	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.854	0.84	2.53	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.917	0.888	2.69	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.08	1.01	3.1	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.827	0.797	2.42	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.16	1.07	3.31	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.1	1.12	3.35	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.09	1.12	3.34	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.23	1.29	3.81	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.19	1.16	3.51	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.26	1.33	3.93	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.23	1.44	4.1	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.01	1.21	3.44	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.3	1.51	4.31	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.01	1.24	3.49	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.1	1.36	3.82	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.23	1.41	4.05	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.01	1.22	3.45	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.03	1.08	3.18	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.1	0.806	2.71	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.886	0.722	2.33	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.27	1.88	5.04	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.19	1.8	4.79	

\* = PQL adjusted to the MBCV.

**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

Page 1 of 7

**SDG Number:** 2017-2420  
**Lab Sample ID:** 11189001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135148  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 04:36  
**Data File:** c18sep17a\_2-8  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:07  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 879.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	22.7	22.7	pg/L	22.7
2051-61-8	PCB-2	U	22.7	22.7	pg/L	22.7
2051-62-9	PCB-3	U	22.7	22.7	pg/L	22.7
13029-08-8	PCB-4	U	22.7	22.7	pg/L	22.7
16605-91-7	PCB-5	U	22.7	22.7	pg/L	22.7
25569-80-6	PCB-6	U	22.7	22.7	pg/L	22.7
33284-50-3	PCB-7	U	22.7	22.7	pg/L	22.7
34883-43-7	PCB-8	U	22.7	22.7	pg/L	22.7
34883-39-1	PCB-9	U	22.7	22.7	pg/L	22.7
33146-45-1	PCB-10	U	22.7	22.7	pg/L	22.7
2050-67-1	PCB-11	U	114	114	pg/L	114
PCB-12/13	PCB-13/12	CU	45.5	45.5	pg/L	45.5
34883-41-5	PCB-14	U	22.7	22.7	pg/L	22.7
2050-68-2	PCB-15		28.1	24.3	pg/L	22.7
38444-78-9	PCB-16	U	22.7	22.7	pg/L	22.7
37680-66-3	PCB-17	U	22.7	22.7	pg/L	22.7
PCB-18/30	PCB-18/30	CU	45.5	45.5	pg/L	45.5
38444-73-4	PCB-19	U	22.7	22.7	pg/L	22.7
PCB-20/28	PCB-20/28	CU	45.5	45.5	pg/L	45.5
PCB-21/33	PCB-21/33	CU	45.5	45.5	pg/L	45.5
38444-85-8	PCB-22	U	22.7	22.7	pg/L	22.7
55720-44-0	PCB-23	U	22.7	22.7	pg/L	22.7
55702-45-9	PCB-24	U	22.7	22.7	pg/L	22.7
55712-37-3	PCB-25	U	22.7	22.7	pg/L	22.7
PCB-26/29	PCB-26/29	CU	45.5	45.5	pg/L	45.5
38444-76-7	PCB-27	U	22.7	22.7	pg/L	22.7
16606-02-3	PCB-31	U	22.7	22.7	pg/L	22.7
38444-77-8	PCB-32	U	22.7	22.7	pg/L	22.7
37680-68-5	PCB-34	U	22.7	22.7	pg/L	22.7
37680-69-6	PCB-35	U	22.7	22.7	pg/L	22.7
38444-87-0	PCB-36	U	22.7	22.7	pg/L	22.7
38444-90-5	PCB-37	U	22.7	22.7	pg/L	22.7

**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**

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**SDG Number:** 2017-2420  
**Lab Sample ID:** 11189001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135148  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 04:36  
**Data File:** c18sep17a\_2-8  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:07  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 879.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	22.7	22.7	pg/L	22.7
38444-88-1	PCB-39	U	22.7	22.7	pg/L	22.7
PCB-40/71	PCB-40/71	CU	45.5	45.5	pg/L	45.5
52663-59-9	PCB-41	U	22.7	22.7	pg/L	22.7
36559-22-5	PCB-42	U	22.7	22.7	pg/L	22.7
70362-46-8	PCB-43	U	22.7	22.7	pg/L	22.7
PCB-44/47/65	PCB-44/65/47	C	126	123	pg/L	68.2
PCB-45/51	PCB-45/51	CU	45.5	45.5	pg/L	45.5
41464-47-5	PCB-46	U	22.7	22.7	pg/L	22.7
70362-47-9	PCB-48	U	22.7	22.7	pg/L	22.7
PCB-49/69	PCB-69/49	C	59.5	57.3	pg/L	45.5
PCB-50/53	PCB-50/53	CU	45.5	45.5	pg/L	45.5
35693-99-3	PCB-52		269	267	pg/L	22.7
15968-05-5	PCB-54	U	22.7	22.7	pg/L	22.7
74338-24-2	PCB-55	U	22.7	22.7	pg/L	22.7
41464-43-1	PCB-56		59.3	57.3	pg/L	22.7
70424-67-8	PCB-57	U	22.7	22.7	pg/L	22.7
41464-49-7	PCB-58	U	22.7	22.7	pg/L	22.7
PCB-59/62/75	PCB-59/62/75	CU	68.2	68.2	pg/L	68.2
33025-41-1	PCB-60	U	22.7	22.7	pg/L	22.7
PCB-61-76	PCB-61/76/70/74	C	281	279	pg/L	91.0
74472-34-7	PCB-63	U	22.7	22.7	pg/L	22.7
52663-58-8	PCB-64		58.2	56.3	pg/L	22.7
32598-10-0	PCB-66		92.0	90.3	pg/L	22.7
73575-53-8	PCB-67	U	22.7	22.7	pg/L	22.7
73575-52-7	PCB-68	U	22.7	22.7	pg/L	22.7
41464-42-0	PCB-72	U	22.7	22.7	pg/L	22.7
74338-23-1	PCB-73	U	22.7	22.7	pg/L	22.7
32598-13-3	PCB-77		50.9	49.1	pg/L	22.7
70362-49-1	PCB-78	U	22.7	22.7	pg/L	22.7
41464-48-6	PCB-79	U	22.7	22.7	pg/L	22.7
33284-52-5	PCB-80	U	22.7	22.7	pg/L	22.7

**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**

Page 3 of 7

**SDG Number:** 2017-2420  
**Lab Sample ID:** 11189001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135148  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 04:36  
**Data File:** c18sep17a\_2-8  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:07  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 879.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	22.7	22.7	pg/L	22.7
52663-62-4	PCB-82		153	151	pg/L	22.7
60145-20-2	PCB-83		63.4	60.8	pg/L	22.7
52663-60-2	PCB-84		271	269	pg/L	22.7
PCB-85-117	PCB-117/116/85	C	223	221	pg/L	68.2
PCB-86-125	PCB-86/87/97/109/119/125	C	787	785	pg/L	136
PCB-88/91	PCB-88/91	C	154	152	pg/L	45.5
73575-57-2	PCB-89	U	22.7	22.7	pg/L	22.7
PCB-90-113	PCB-113/90/101	C	1010	1010	pg/L	68.2
52663-61-3	PCB-92		200	198	pg/L	22.7
PCB-93/100	PCB-93/100	CU	45.5	45.5	pg/L	45.5
73575-55-0	PCB-94	U	22.7	22.7	pg/L	22.7
38379-99-6	PCB-95		819	817	pg/L	22.7
73575-54-9	PCB-96	U	22.7	22.7	pg/L	22.7
PCB-98/102	PCB-102/98	CU	45.5	45.5	pg/L	45.5
38380-01-7	PCB-99		455	453	pg/L	22.7
60145-21-3	PCB-103	U	22.7	22.7	pg/L	22.7
56558-16-8	PCB-104	U	22.7	22.7	pg/L	22.7
32598-14-4	PCB-105		646	643	pg/L	22.7
70424-69-0	PCB-106	U	22.7	22.7	pg/L	22.7
70424-68-9	PCB-107		82.2	80.1	pg/L	22.7
PCB-108/124	PCB-108/124	C	56.0	53.7	pg/L	45.5
PCB-110/115	PCB-110/115	CU	45.5	45.5	pg/L	45.5
39635-32-0	PCB-111	U	22.7	22.7	pg/L	22.7
74472-36-9	PCB-112	U	22.7	22.7	pg/L	22.7
74472-37-0	PCB-114	U	24.3	22.7	pg/L	22.7
31508-00-6	PCB-118		1150	1150	pg/L	22.7
68194-12-7	PCB-120	U	22.7	22.7	pg/L	22.7
56558-18-0	PCB-121	U	22.7	22.7	pg/L	22.7
76842-07-4	PCB-122	U	22.7	22.7	pg/L	22.7
65510-44-3	PCB-123		26.6	24.3	pg/L	22.7
57465-28-8	PCB-126	U	22.7	22.7	pg/L	22.7

**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**

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**SDG Number:** 2017-2420  
**Lab Sample ID:** 11189001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135148  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 04:36  
**Data File:** c18sep17a\_2-8  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:07  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 879.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	22.7	22.7	pg/L	22.7
PCB-128/166	PCB-128/166	C	557	553	pg/L	45.5
PCB-129-163	PCB-138/163/129	C	3100	3090	pg/L	68.2
52663-66-8	PCB-130		199	195	pg/L	22.7
61798-70-7	PCB-131		33.1	28.3	pg/L	22.7
38380-05-1	PCB-132		828	823	pg/L	22.7
35694-04-3	PCB-133		34.8	30.6	pg/L	22.7
52704-70-8	PCB-134		145	139	pg/L	22.7
PCB-135/151	PCB-151/135	C	541	538	pg/L	45.5
38411-22-2	PCB-136		181	179	pg/L	22.7
35694-06-5	PCB-137		139	135	pg/L	22.7
PCB-139/140	PCB-139/140	CU	45.5	45.5	pg/L	45.5
52712-04-6	PCB-141		388	384	pg/L	22.7
41411-61-4	PCB-142	U	22.7	22.7	pg/L	22.7
68194-15-0	PCB-143	U	22.7	22.7	pg/L	22.7
68194-14-9	PCB-144		70.1	67.6	pg/L	22.7
74472-40-5	PCB-145	U	22.7	22.7	pg/L	22.7
51908-16-8	PCB-146		314	310	pg/L	22.7
PCB-147/149	PCB-147/149	C	1560	1560	pg/L	45.5
74472-41-6	PCB-148	U	22.7	22.7	pg/L	22.7
68194-08-1	PCB-150	U	22.7	22.7	pg/L	22.7
68194-09-2	PCB-152	U	22.7	22.7	pg/L	22.7
PCB-153/168	PCB-153/168	C	1730	1730	pg/L	45.5
60145-22-4	PCB-154	U	22.7	22.7	pg/L	22.7
33979-03-2	PCB-155	U	22.7	22.7	pg/L	22.7
PCB-156/157	PCB-156/157	C	371	367	pg/L	45.5
74472-42-7	PCB-158		267	264	pg/L	22.7
39635-35-3	PCB-159	U	22.7	22.7	pg/L	22.7
41411-62-5	PCB-160	U	22.7	22.7	pg/L	22.7
74472-43-8	PCB-161	U	22.7	22.7	pg/L	22.7
39635-34-2	PCB-162	U	22.7	22.7	pg/L	22.7
74472-45-0	PCB-164		227	224	pg/L	22.7

**Comments:**

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**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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**SDG Number:** 2017-2420  
**Lab Sample ID:** 11189001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135148  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 04:36  
**Data File:** c18sep17a\_2-8  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:07  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 879.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	22.7	22.7	pg/L	22.7
52663-72-6	PCB-167		137	134	pg/L	22.7
32774-16-6	PCB-169	U	22.7	22.7	pg/L	22.7
35065-30-6	PCB-170		634	630	pg/L	22.7
PCB-171/173	PCB-173/171	C	168	163	pg/L	45.5
52663-74-8	PCB-172		102	97.7	pg/L	22.7
38411-25-5	PCB-174		540	535	pg/L	22.7
40186-70-7	PCB-175	U	22.7	22.7	pg/L	22.7
52663-65-7	PCB-176		48.5	46	pg/L	22.7
52663-70-4	PCB-177		325	320	pg/L	22.7
52663-67-9	PCB-178		104	100	pg/L	22.7
52663-64-6	PCB-179		154	152	pg/L	22.7
PCB-180/193	PCB-193/180	C	1240	1240	pg/L	45.5
74472-47-2	PCB-181	U	22.7	22.7	pg/L	22.7
60145-23-5	PCB-182	U	22.7	22.7	pg/L	22.7
PCB-183/185	PCB-183/185	C	309	304	pg/L	45.5
74472-48-3	PCB-184	U	22.7	22.7	pg/L	22.7
74472-49-4	PCB-186	U	22.7	22.7	pg/L	22.7
52663-68-0	PCB-187		610	607	pg/L	22.7
74487-85-7	PCB-188	U	22.7	22.7	pg/L	22.7
39635-31-9	PCB-189		29.9	26.5	pg/L	22.7
41411-64-7	PCB-190		124	121	pg/L	22.7
74472-50-7	PCB-191	U	22.7	22.7	pg/L	22.7
74472-51-8	PCB-192	U	22.7	22.7	pg/L	22.7
35694-08-7	PCB-194		250	247	pg/L	22.7
52663-78-2	PCB-195		100	96.1	pg/L	22.7
42740-50-1	PCB-196		119	115	pg/L	22.7
PCB-197/200	PCB-197/200	CU	45.5	45.5	pg/L	45.5
PCB-198/199	PCB-198/199	C	279	275	pg/L	45.5
40186-71-8	PCB-201	U	24.7	22.7	pg/L	22.7
2136-99-4	PCB-202		46.5	42.7	pg/L	22.7
52663-76-0	PCB-203		172	168	pg/L	22.7

**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**

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**SDG Number:** 2017-2420  
**Lab Sample ID:** 11189001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135148  
**Batch ID:** 35537  
**Run Date:** 09/19/2017 04:36  
**Data File:** c18sep17a\_2-8  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:07  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 879.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	22.7	22.7	pg/L	22.7
74472-53-0	PCB-205	U	22.7	22.7	pg/L	22.7
40186-72-9	PCB-206		84.9	82.2	pg/L	22.7
52663-79-3	PCB-207	U	22.7	22.7	pg/L	22.7
52663-77-1	PCB-208	U	22.7	22.7	pg/L	22.7
2051-24-3	PCB-209		35.7	30.9	pg/L	22.7
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		28.1	24.3	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		996	980	pg/L	
25429-29-2	Total Penta PCBs		6120	6060	pg/L	
26601-64-9	Total Hexa PCBs		10800	10700	pg/L	
28655-71-2	Total Hepta PCBs		4390	4340	pg/L	
55722-26-4	Total Octa PCBs		991	943	pg/L	
53742-07-7	Total Nona PCBs		84.9	82.2	pg/L	
DECACB(Tot)	Total Deca PCB		35.7	30.9	pg/L	
1336-36-3	Total PCB Congeners		23500	23200	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1250	2270	pg/L	54.8	(5%-145%)
13C-3-MoCB		1530	2270	pg/L	67.5	(5%-145%)
13C-4-DiCB		1530	2270	pg/L	67.2	(5%-145%)
13C-15-DiCB		2330	2270	pg/L	103	(5%-145%)
13C-19-TrCB		1920	2270	pg/L	84.4	(5%-145%)
13C-37-TrCB		2290	2270	pg/L	101	(5%-145%)
13C-54-TeCB		1990	2270	pg/L	87.5	(5%-145%)
13C-77-TeCB		2580	2270	pg/L	113	(10%-145%)
13C-81-TeCB		2540	2270	pg/L	112	(10%-145%)
13C-104-PeCB		2240	2270	pg/L	98.4	(10%-145%)
13C-105-PeCB		2570	2270	pg/L	113	(10%-145%)
13C-114-PeCB		2580	2270	pg/L	113	(10%-145%)
13C-118-PeCB		2640	2270	pg/L	116	(10%-145%)
13C-123-PeCB		2710	2270	pg/L	119	(10%-145%)
13C-126-PeCB		2770	2270	pg/L	122	(10%-145%)
13C-155-HxCB		1850	2270	pg/L	81.3	(10%-145%)
13C-156-HxCB	C	4990	4550	pg/L	110	(10%-145%)
13C-167-HxCB		2540	2270	pg/L	112	(10%-145%)
13C-169-HxCB		2580	2270	pg/L	113	(10%-145%)
13C-188-HpCB		1860	2270	pg/L	81.7	(10%-145%)
13C-189-HpCB		2230	2270	pg/L	98.2	(10%-145%)
13C-202-OcCB		1960	2270	pg/L	86.0	(10%-145%)
13C-205-OcCB		2280	2270	pg/L	100	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-2420	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11189001	<b>Date Collected:</b> 07/26/2017 11:07	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 08/10/2017 09:45	
<b>Client ID:</b> WT_IPC-17-135148		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35537	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 09/19/2017 04:36	<b>Analyst:</b> CLP	<b>Instrument:</b> HRP791
<b>Data File:</b> c18sep17a_2-8		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35534	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 30-AUG-17	<b>Prep Aliquot:</b> 879.6 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			2380	2270	pg/L	105      (10%-145%)
13C-208-NoCB			2180	2270	pg/L	95.8      (10%-145%)
13C-209-DeCB			2210	2270	pg/L	97.2      (10%-145%)
13C-28-TrCB			1870	2270	pg/L	82.3      (5%-145%)
13C-111-PeCB			2130	2270	pg/L	93.8      (10%-145%)
13C-178-HpCB			2190	2270	pg/L	96.2      (10%-145%)

**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-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	0.993	0.705	2.4	
3-Chlorobiphenyl (2)	pg/L	0.983	0.63	2.24	
4-Chlorobiphenyl (3)	pg/L	0.923	0.48	1.88	
2,2'-Dichlorobiphenyl (4)	pg/L	3.17	2.38	7.93	
2,3-Dichlorobiphenyl (5)	pg/L	1.89	1.45	4.79	
2,3'-Dichlorobiphenyl (6)	pg/L	1.46	1.05	3.56	
2,4-Dichlorobiphenyl (7)	pg/L	1.58	1.16	3.9	
2,4'-Dichlorobiphenyl (8)	pg/L	1.33	0.959	3.25	
2,5-Dichlorobiphenyl (9)	pg/L	1.66	1.27	4.19	
2,6-Dichlorobiphenyl (10)	pg/L	1.51	0.904	3.32	
3,3'-Dichlorobiphenyl (11)	pg/L	2.48	3.49	9.46	
3,4-Dichlorobiphenyl (12)	pg/L	1.67	1.24	4.14	
3,5-Dichlorobiphenyl (14)	pg/L	1.58	1.19	3.96	
4,4'-Dichlorobiphenyl (15)	pg/L	1.66	1.03	3.71	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.2	0.548	2.29	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.12	0.624	2.36	
2,2',5-Trichlorobiphenyl (18)	pg/L	0.945	0.496	1.94	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.29	0.718	2.73	
2,3,3'-Trichlorobiphenyl (20)	pg/L	0.79	0.461	1.71	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.767	0.44	1.65	
2,3,4'-Trichlorobiphenyl (22)	pg/L	0.822	0.465	1.75	
2,3,5-Trichlorobiphenyl (23)	pg/L	0.804	0.451	1.71	
2,3,6-Trichlorobiphenyl (24)	pg/L	0.843	0.512	1.87	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.706	0.393	1.49	
2,3',5-Trichlorobiphenyl (26)	pg/L	0.763	0.44	1.64	
2,3',6-Trichlorobiphenyl (27)	pg/L	0.78	0.452	1.68	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.717	0.406	1.53	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.717	0.406	1.53	
2',3,5-Trichlorobiphenyl (34)	pg/L	0.793	0.468	1.73	
3,3',4-Trichlorobiphenyl (35)	pg/L	0.973	0.488	1.95	
3,3',5-Trichlorobiphenyl (36)	pg/L	0.89	0.448	1.79	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.04	0.464	1.97	
3,4,5-Trichlorobiphenyl (38)	pg/L	0.925	0.469	1.86	
3,4',5-Trichlorobiphenyl (39)	pg/L	0.907	0.449	1.81	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.22	0.554	2.32	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.51	0.792	3.09	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.36	0.592	2.55	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.59	0.673	2.94	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.21	0.565	2.33	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.763	0.439	1.64	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.82	0.467	1.75	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.3	0.609	2.51	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.12	0.517	2.15	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.712	0.404	1.52	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.21	0.594	2.39	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.532	0.234	1	

# Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	0.952	0.469	1.89	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	0.956	0.486	1.93	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.857	0.432	1.72	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.902	0.476	1.85	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	0.966	0.459	1.88	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	0.93	0.461	1.85	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.03	0.511	2.05	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.818	0.422	1.66	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	0.974	0.458	1.89	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.867	0.409	1.68	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.797	0.402	1.6	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.82	0.408	1.64	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.819	0.403	1.62	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1	0.483	1.97	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.01	0.406	1.82	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.899	0.389	1.68	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.802	0.317	1.44	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.796	0.395	1.59	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.939	0.417	1.77	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.16	0.583	2.33	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.18	0.687	2.56	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.17	0.66	2.49	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.874	0.45	1.77	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.922	0.479	1.88	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.06	0.628	2.31	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.09	0.638	2.37	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.922	0.505	1.93	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.05	0.583	2.21	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.04	0.644	2.33	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.15	0.661	2.47	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	0.996	0.591	2.18	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.528	0.368	1.26	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.1	0.625	2.35	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.979	0.551	2.08	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.936	0.551	2.04	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.492	0.266	1.02	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.06	0.728	2.51	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.913	0.59	2.09	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.84	0.593	2.03	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.953	0.649	2.25	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.831	0.398	1.63	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.805	0.415	1.64	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.794	0.4	1.59	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.07	0.71	2.49	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.99	0.674	2.34	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.741	0.382	1.5	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.816	0.466	1.75	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.97	0.662	2.29	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.991	0.678	2.35	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.24	0.869	2.98	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.926	0.583	2.09	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.33	1.07	3.47	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.42	1.19	3.8	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.64	1.35	4.34	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.78	1.48	4.75	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.71	1.44	4.59	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.55	1.31	4.17	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.95	1.73	5.41	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.02	0.801	2.62	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.752	0.605	1.96	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.56	1.38	4.31	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.5	1.27	4.04	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.52	1.24	4.01	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.67	1.35	4.37	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.57	1.2	3.97	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.976	0.75	2.48	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.815	0.648	2.11	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.3	1.15	3.59	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.51	1.25	4	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.943	0.696	2.34	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.788	0.626	2.04	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.735	0.588	1.91	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.24	1.02	3.28	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.897	0.7	2.3	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.608	0.414	1.44	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.47	1.47	4.41	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.06	0.872	2.81	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.03	1.04	3.1	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.26	1.02	3.31	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.14	0.937	3.01	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.06	1.07	3.19	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.17	0.937	3.05	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.29	1.11	3.5	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.06	1.05	3.16	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.22	1.17	3.57	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.46	1.47	4.41	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.54	1.65	4.84	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.49	1.55	4.59	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.49	1.59	4.66	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.08	1.03	3.13	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.859	0.84	2.54	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.53	1.67	4.86	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-AUG-17 to 31-AUG-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.15	1.08	3.31	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.854	0.826	2.51	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.24	1.29	3.82	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.5	1.65	4.8	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.1	1.03	3.15	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.44	1.59	4.61	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.854	0.84	2.53	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.917	0.888	2.69	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.08	1.01	3.1	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.827	0.797	2.42	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.16	1.07	3.31	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.1	1.12	3.35	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.09	1.12	3.34	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.23	1.29	3.81	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.19	1.16	3.51	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.26	1.33	3.93	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.23	1.44	4.1	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.01	1.21	3.44	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.3	1.51	4.31	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.01	1.24	3.49	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.1	1.36	3.82	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.23	1.41	4.05	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.01	1.22	3.45	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.03	1.08	3.18	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.1	0.806	2.71	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.886	0.722	2.33	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.27	1.88	5.04	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.19	1.8	4.79	

\* = PQL adjusted to the MBCV.

**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2017-2422  
**Lab Sample ID:** 11190001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135180  
**Batch ID:** 35537  
**Run Date:** 09/25/2017 12:47  
**Data File:** c25sep17a-3  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:13  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 902.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	222	222	pg/L	222
2051-61-8	PCB-2	U	222	222	pg/L	222
2051-62-9	PCB-3	U	222	222	pg/L	222
13029-08-8	PCB-4	U	222	222	pg/L	222
16605-91-7	PCB-5	U	222	222	pg/L	222
25569-80-6	PCB-6	U	222	222	pg/L	222
33284-50-3	PCB-7	U	222	222	pg/L	222
34883-43-7	PCB-8	U	222	222	pg/L	222
34883-39-1	PCB-9	U	222	222	pg/L	222
33146-45-1	PCB-10	U	222	222	pg/L	222
2050-67-1	PCB-11	U	1110	1110	pg/L	1110
PCB-12/13	PCB-13/12	CU	443	443	pg/L	443
34883-41-5	PCB-14	U	222	222	pg/L	222
2050-68-2	PCB-15	U	222	222	pg/L	222
38444-78-9	PCB-16	U	222	222	pg/L	222
37680-66-3	PCB-17	U	222	222	pg/L	222
PCB-18/30	PCB-18/30	CU	443	443	pg/L	443
38444-73-4	PCB-19	U	222	222	pg/L	222
PCB-20/28	PCB-20/28	CU	443	443	pg/L	443
PCB-21/33	PCB-21/33	CU	443	443	pg/L	443
38444-85-8	PCB-22	U	222	222	pg/L	222
55720-44-0	PCB-23	U	222	222	pg/L	222
55702-45-9	PCB-24	U	222	222	pg/L	222
55712-37-3	PCB-25	U	222	222	pg/L	222
PCB-26/29	PCB-26/29	CU	443	443	pg/L	443
38444-76-7	PCB-27	U	222	222	pg/L	222
16606-02-3	PCB-31		421	419	pg/L	222
38444-77-8	PCB-32	U	222	222	pg/L	222
37680-68-5	PCB-34	U	222	222	pg/L	222
37680-69-6	PCB-35	U	222	222	pg/L	222
38444-87-0	PCB-36	U	222	222	pg/L	222
38444-90-5	PCB-37		562	560	pg/L	222

**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**

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**SDG Number:** 2017-2422  
**Lab Sample ID:** 11190001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135180  
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**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
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**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 902.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	222	222	pg/L	222
38444-88-1	PCB-39	U	222	222	pg/L	222
PCB-40/71	PCB-40/71	CU	443	443	pg/L	443
52663-59-9	PCB-41	U	222	222	pg/L	222
36559-22-5	PCB-42	U	222	222	pg/L	222
70362-46-8	PCB-43	U	222	222	pg/L	222
PCB-44/47/65	PCB-44/65/47	CU	665	665	pg/L	665
PCB-45/51	PCB-45/51	C	711	710	pg/L	443
41464-47-5	PCB-46	U	222	222	pg/L	222
70362-47-9	PCB-48	U	222	222	pg/L	222
PCB-49/69	PCB-69/49	CU	443	443	pg/L	443
PCB-50/53	PCB-50/53	C	1890	1880	pg/L	443
35693-99-3	PCB-52	U	222	222	pg/L	222
15968-05-5	PCB-54	U	222	222	pg/L	222
74338-24-2	PCB-55		800	799	pg/L	222
41464-43-1	PCB-56		12100	12100	pg/L	222
70424-67-8	PCB-57	U	222	222	pg/L	222
41464-49-7	PCB-58		255	253	pg/L	222
PCB-59/62/75	PCB-59/62/75	CU	665	665	pg/L	665
33025-41-1	PCB-60		1590	1590	pg/L	222
PCB-61-76	PCB-61/76/70/74	C	130000	130000	pg/L	886
74472-34-7	PCB-63		324	322	pg/L	222
52663-58-8	PCB-64	U	222	222	pg/L	222
32598-10-0	PCB-66		35700	35700	pg/L	222
73575-53-8	PCB-67		299	298	pg/L	222
73575-52-7	PCB-68	U	222	222	pg/L	222
41464-42-0	PCB-72	U	222	222	pg/L	222
74338-23-1	PCB-73	U	222	222	pg/L	222
32598-13-3	PCB-77		4140	4140	pg/L	222
70362-49-1	PCB-78	U	222	222	pg/L	222
41464-48-6	PCB-79		2210	2200	pg/L	222
33284-52-5	PCB-80	U	222	222	pg/L	222

**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**

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**SDG Number:** 2017-2422  
**Lab Sample ID:** 11190001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135180  
**Batch ID:** 35537  
**Run Date:** 09/25/2017 12:47  
**Data File:** c25sep17a-3  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:13  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 902.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	222	222	pg/L	222
52663-62-4	PCB-82		36900	36900	pg/L	222
60145-20-2	PCB-83		16800	16800	pg/L	222
52663-60-2	PCB-84		77000	77000	pg/L	222
PCB-85-117	PCB-117/116/85	C	51900	51900	pg/L	665
PCB-86-125	PCB-86/87/97/109/119/125	C	239000	239000	pg/L	1330
PCB-88/91	PCB-88/91	C	36700	36700	pg/L	443
73575-57-2	PCB-89		1600	1600	pg/L	222
PCB-90-113	PCB-113/90/101	C	317000	317000	pg/L	665
52663-61-3	PCB-92		50900	50900	pg/L	222
PCB-93/100	PCB-93/100	C	1380	1380	pg/L	443
73575-55-0	PCB-94		770	768	pg/L	222
38379-99-6	PCB-95		231000	231000	pg/L	222
73575-54-9	PCB-96		852	851	pg/L	222
PCB-98/102	PCB-102/98	C	6380	6380	pg/L	443
38380-01-7	PCB-99		134000	134000	pg/L	222
60145-21-3	PCB-103		952	950	pg/L	222
56558-16-8	PCB-104	U	222	222	pg/L	222
32598-14-4	PCB-105		137000	137000	pg/L	222
70424-69-0	PCB-106	U	222	222	pg/L	222
70424-68-9	PCB-107		16700	16700	pg/L	222
PCB-108/124	PCB-108/124	C	12500	12500	pg/L	443
PCB-110/115	PCB-110/115	C	412000	412000	pg/L	443
39635-32-0	PCB-111	U	222	222	pg/L	222
74472-36-9	PCB-112	U	222	222	pg/L	222
74472-37-0	PCB-114		2910	2910	pg/L	222
31508-00-6	PCB-118		321000	321000	pg/L	222
68194-12-7	PCB-120	U	222	222	pg/L	222
56558-18-0	PCB-121	U	222	222	pg/L	222
76842-07-4	PCB-122		2870	2870	pg/L	222
65510-44-3	PCB-123		4500	4500	pg/L	222
57465-28-8	PCB-126		676	673	pg/L	222

**Comments:**

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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2017-2422  
**Lab Sample ID:** 11190001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135180  
**Batch ID:** 35537  
**Run Date:** 09/25/2017 12:47  
**Data File:** c25sep17a-3  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
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**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 902.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	222	222	pg/L	222
PCB-128/166	PCB-128/166	C	71400	71400	pg/L	443
PCB-129-163	PCB-138/163/129	C	392000	392000	pg/L	665
52663-66-8	PCB-130		23800	23800	pg/L	222
61798-70-7	PCB-131		5940	5940	pg/L	222
38380-05-1	PCB-132		135000	135000	pg/L	222
35694-04-3	PCB-133		3620	3620	pg/L	222
52704-70-8	PCB-134		22600	22600	pg/L	222
PCB-135/151	PCB-151/135	C	69800	69800	pg/L	443
38411-22-2	PCB-136		32000	32000	pg/L	222
35694-06-5	PCB-137		24800	24800	pg/L	222
PCB-139/140	PCB-139/140	C	6910	6910	pg/L	443
52712-04-6	PCB-141		52500	52500	pg/L	222
41411-61-4	PCB-142	U	222	222	pg/L	222
68194-15-0	PCB-143	U	222	222	pg/L	222
68194-14-9	PCB-144		11400	11400	pg/L	222
74472-40-5	PCB-145	U	222	222	pg/L	222
51908-16-8	PCB-146		37000	37000	pg/L	222
PCB-147/149	PCB-147/149	C	211000	211000	pg/L	443
74472-41-6	PCB-148	U	222	222	pg/L	222
68194-08-1	PCB-150		245	242	pg/L	222
68194-09-2	PCB-152		273	271	pg/L	222
PCB-153/168	PCB-153/168	C	229000	229000	pg/L	443
60145-22-4	PCB-154		1970	1970	pg/L	222
33979-03-2	PCB-155	U	222	222	pg/L	222
PCB-156/157	PCB-156/157	C	51900	51900	pg/L	443
74472-42-7	PCB-158		37500	37500	pg/L	222
39635-35-3	PCB-159	U	222	222	pg/L	222
41411-62-5	PCB-160	U	222	222	pg/L	222
74472-43-8	PCB-161	U	222	222	pg/L	222
39635-34-2	PCB-162		1090	1080	pg/L	222
74472-45-0	PCB-164		21500	21500	pg/L	222

**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**

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**SDG Number:** 2017-2422  
**Lab Sample ID:** 11190001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135180  
**Batch ID:** 35537  
**Run Date:** 09/25/2017 12:47  
**Data File:** c25sep17a-3  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:13  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 902.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	222	222	pg/L	222
52663-72-6	PCB-167		14900	14900	pg/L	222
32774-16-6	PCB-169	U	222	222	pg/L	222
35065-30-6	PCB-170		29500	29500	pg/L	222
PCB-171/173	PCB-173/171	C	9890	9890	pg/L	443
52663-74-8	PCB-172		4200	4200	pg/L	222
38411-25-5	PCB-174		24500	24500	pg/L	222
40186-70-7	PCB-175		1080	1080	pg/L	222
52663-65-7	PCB-176		3290	3290	pg/L	222
52663-70-4	PCB-177		14800	14800	pg/L	222
52663-67-9	PCB-178		3920	3920	pg/L	222
52663-64-6	PCB-179		8850	8850	pg/L	222
PCB-180/193	PCB-193/180	C	42900	42900	pg/L	443
74472-47-2	PCB-181		707	702	pg/L	222
60145-23-5	PCB-182	U	222	222	pg/L	222
PCB-183/185	PCB-183/185	C	16400	16400	pg/L	443
74472-48-3	PCB-184	U	222	222	pg/L	222
74472-49-4	PCB-186	U	222	222	pg/L	222
52663-68-0	PCB-187		23300	23300	pg/L	222
74487-85-7	PCB-188	U	222	222	pg/L	222
39635-31-9	PCB-189		1500	1500	pg/L	222
41411-64-7	PCB-190		5200	5200	pg/L	222
74472-50-7	PCB-191		987	983	pg/L	222
74472-51-8	PCB-192	U	222	222	pg/L	222
35694-08-7	PCB-194		4740	4740	pg/L	222
52663-78-2	PCB-195		2060	2060	pg/L	222
42740-50-1	PCB-196		2510	2510	pg/L	222
PCB-197/200	PCB-197/200	CU	443	443	pg/L	443
PCB-198/199	PCB-198/199	C	5360	5360	pg/L	443
40186-71-8	PCB-201		675	671	pg/L	222
2136-99-4	PCB-202		1080	1080	pg/L	222
52663-76-0	PCB-203		3420	3420	pg/L	222

**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**

Page 6 of 7

**SDG Number:** 2017-2422  
**Lab Sample ID:** 11190001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135180  
**Batch ID:** 35537  
**Run Date:** 09/25/2017 12:47  
**Data File:** c25sep17a-3  
**Prep Batch:** 35534  
**Prep Date:** 30-AUG-17

**Client:** LANL001  
**Date Collected:** 07/26/2017 11:13  
**Date Received:** 08/10/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 902.6 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 10  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	222	222	pg/L	222
74472-53-0	PCB-205		280	277	pg/L	222
40186-72-9	PCB-206		1620	1610	pg/L	222
52663-79-3	PCB-207		226	223	pg/L	222
52663-77-1	PCB-208		461	456	pg/L	222
2051-24-3	PCB-209	U	222	222	pg/L	222
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		1810	1800	pg/L	
26914-33-0	Total Tetra PCBs		190000	190000	pg/L	
25429-29-2	Total Penta PCBs		2110000	2110000	pg/L	
26601-64-9	Total Hexa PCBs		1460000	1460000	pg/L	
28655-71-2	Total Hepta PCBs		191000	191000	pg/L	
55722-26-4	Total Octa PCBs		20100	20100	pg/L	
53742-07-7	Total Nona PCBs		2300	2290	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		3980000	3980000	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		714	2220	pg/L	32.2	(5%-145%)
13C-3-MoCB		897	2220	pg/L	40.5	(5%-145%)
13C-4-DiCB		794	2220	pg/L	35.8	(5%-145%)
13C-15-DiCB		1530	2220	pg/L	69.0	(5%-145%)
13C-19-TrCB		1120	2220	pg/L	50.7	(5%-145%)
13C-37-TrCB		1840	2220	pg/L	83.2	(5%-145%)
13C-54-TeCB		1310	2220	pg/L	59.0	(5%-145%)
13C-77-TeCB		1970	2220	pg/L	88.9	(10%-145%)
13C-81-TeCB		1930	2220	pg/L	87.2	(10%-145%)
13C-104-PeCB		1360	2220	pg/L	61.4	(10%-145%)
13C-105-PeCB		1800	2220	pg/L	81.1	(10%-145%)
13C-114-PeCB		1760	2220	pg/L	79.4	(10%-145%)
13C-118-PeCB		1930	2220	pg/L	87.2	(10%-145%)
13C-123-PeCB		1890	2220	pg/L	85.2	(10%-145%)
13C-126-PeCB		1840	2220	pg/L	83.2	(10%-145%)
13C-155-HxCB		1400	2220	pg/L	63.3	(10%-145%)
13C-156-HxCB	C	3370	4430	pg/L	76.1	(10%-145%)
13C-167-HxCB		1770	2220	pg/L	79.7	(10%-145%)
13C-169-HxCB		1670	2220	pg/L	75.4	(10%-145%)
13C-188-HpCB		1610	2220	pg/L	72.5	(10%-145%)
13C-189-HpCB		1770	2220	pg/L	79.7	(10%-145%)
13C-202-OcCB		1390	2220	pg/L	62.6	(10%-145%)
13C-205-OcCB		1880	2220	pg/L	84.9	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-2422	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11190001	<b>Date Collected:</b> 07/26/2017 11:13	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 08/10/2017 09:45	
<b>Client ID:</b> WT_IPC-17-135180		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35537	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 09/25/2017 12:47	<b>Analyst:</b> MLS	<b>Instrument:</b> HRP791
<b>Data File:</b> c25sep17a-3		<b>Dilution:</b> 10
<b>Prep Batch:</b> 35534	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 30-AUG-17	<b>Prep Aliquot:</b> 902.6 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			1700	2220	pg/L	76.8      (10%-145%)
13C-208-NoCB			1370	2220	pg/L	61.7      (10%-145%)
13C-209-DeCB			1440	2220	pg/L	65.1      (10%-145%)
13C-28-TrCB			1470	2220	pg/L	66.1      (5%-145%)
13C-111-PeCB			1510	2220	pg/L	68.2      (10%-145%)
13C-178-HpCB			1410	2220	pg/L	63.9      (10%-145%)

**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-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	1.29	1.04	3.37	
3-Chlorobiphenyl (2)	pg/L	1.29	1	3.29	
4-Chlorobiphenyl (3)	pg/L	1.18	0.858	2.9	
2,2'-Dichlorobiphenyl (4)	pg/L	5.5	5.96	17.4	
2,3-Dichlorobiphenyl (5)	pg/L	3.32	3.62	10.6	
2,3'-Dichlorobiphenyl (6)	pg/L	2.62	2.94	8.5	
2,4-Dichlorobiphenyl (7)	pg/L	2.92	3.41	9.75	
2,4'-Dichlorobiphenyl (8)	pg/L	2.43	2.77	7.97	
2,5-Dichlorobiphenyl (9)	pg/L	3.1	3.65	10.4	
2,6-Dichlorobiphenyl (10)	pg/L	3	3.45	9.91	
3,3'-Dichlorobiphenyl (11)	pg/L	3.87	4.53	12.9	
3,4-Dichlorobiphenyl (12)	pg/L	3.02	3.43	9.88	
3,5-Dichlorobiphenyl (14)	pg/L	2.9	3.38	9.65	
4,4'-Dichlorobiphenyl (15)	pg/L	3.02	3.36	9.73	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.59	1.05	3.68	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.56	1.08	3.72	
2,2',5-Trichlorobiphenyl (18)	pg/L	1.32	0.89	3.1	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.73	1.18	4.09	
2,3,3'-Trichlorobiphenyl (20)	pg/L	1.1	0.78	2.66	
2,3,4-Trichlorobiphenyl (21)	pg/L	1.05	0.745	2.54	
2,3,4'-Trichlorobiphenyl (22)	pg/L	1.12	0.763	2.65	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.11	0.789	2.69	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.19	0.83	2.85	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.969	0.674	2.32	
2,3',5-Trichlorobiphenyl (26)	pg/L	1.07	0.755	2.58	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.11	0.809	2.73	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.993	0.695	2.38	
2,4',6-Trichlorobiphenyl (32)	pg/L	1.02	0.725	2.47	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.13	0.827	2.78	
3,3',4-Trichlorobiphenyl (35)	pg/L	1.28	0.844	2.97	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.19	0.794	2.77	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.34	0.824	2.99	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.23	0.831	2.89	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.21	0.806	2.82	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.45	0.824	3.1	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.99	1.33	4.66	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.63	0.932	3.49	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.84	1	3.85	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.48	0.881	3.24	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	1.08	0.748	2.57	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	1.13	0.76	2.64	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.62	0.968	3.55	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.38	0.827	3.03	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	1	0.69	2.38	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.58	1.01	3.6	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.742	0.485	1.71	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	1.13	0.662	2.46	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	1.18	0.709	2.59	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	1.08	0.677	2.44	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	1.14	0.719	2.58	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	1.19	0.71	2.61	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	1.12	0.663	2.45	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.24	0.655	2.55	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	1.02	0.64	2.3	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	1.2	0.714	2.62	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	1.07	0.611	2.29	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.987	0.611	2.21	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	1.03	0.635	2.3	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	1.03	0.639	2.3	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1.28	0.799	2.88	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.16	0.563	2.29	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	1.05	0.557	2.17	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.95	0.49	1.93	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.97	0.579	2.13	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	1.08	0.563	2.21	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.38	0.817	3.01	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.51	1.01	3.53	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.47	0.951	3.37	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	1.06	0.64	2.34	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	1.11	0.665	2.44	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.36	0.912	3.18	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.38	0.914	3.21	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	1.14	0.714	2.56	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.31	0.854	3.02	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.35	0.923	3.2	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.47	0.98	3.43	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	1.3	0.897	3.09	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.706	0.495	1.7	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.38	0.897	3.17	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	1.33	1.04	3.41	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	1.23	0.851	2.93	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.655	0.41	1.48	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.23	0.778	2.78	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	1.06	0.633	2.32	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	1.02	0.659	2.34	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	1.13	0.698	2.52	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.991	0.576	2.14	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.965	0.571	2.11	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.919	0.51	1.94	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.24	0.756	2.75	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	1.16	0.73	2.62	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.889	0.534	1.96	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	1.03	0.67	2.37	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	1.15	0.718	2.59	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	1.17	0.737	2.64	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.37	0.895	3.15	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	1.07	0.616	2.3	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.54	1.11	3.77	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.66	1.25	4.15	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.92	1.43	4.78	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	2.11	1.6	5.31	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	2.03	1.55	5.13	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.84	1.4	4.64	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	2.4	1.93	6.26	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.2	0.864	2.92	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.905	0.668	2.24	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.87	1.47	4.81	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.77	1.36	4.49	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.74	1.31	4.35	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.94	1.45	4.84	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.78	1.29	4.37	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	1.14	0.817	2.77	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.978	0.714	2.41	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.6	1.23	4.07	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.78	1.35	4.48	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	1.14	0.787	2.71	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.935	0.687	2.31	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.892	0.655	2.2	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.46	1.08	3.62	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	1.04	0.755	2.55	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.777	0.51	1.8	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.65	1.47	4.6	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.24	0.918	3.08	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.19	1.05	3.29	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.46	1.07	3.61	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.33	0.997	3.32	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.22	1.08	3.39	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.34	0.979	3.3	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.54	1.18	3.89	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.22	1.07	3.36	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.31	1.17	3.66	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.69	1.46	4.61	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.78	1.64	5.07	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.73	1.54	4.82	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.73	1.59	4.91	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.28	1.03	3.34	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	1.03	0.849	2.73	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.8	1.66	5.12	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.35	1.09	3.53	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	1.03	0.836	2.7	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.44	1.28	4	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.77	1.64	5.05	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.3	1.03	3.36	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.69	1.58	4.84	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	1.03	0.848	2.73	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	1.1	0.896	2.89	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.28	1.02	3.31	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	1.03	0.808	2.64	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.36	1.08	3.51	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.29	1.11	3.51	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.27	1.12	3.5	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.44	1.28	4	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.39	1.15	3.69	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.48	1.33	4.13	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.45	1.43	4.3	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.18	1.21	3.6	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.51	1.5	4.5	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.19	1.23	3.66	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.33	1.36	4.05	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.42	1.4	4.22	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.19	1.22	3.62	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.17	1.07	3.3	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.33	0.846	3.02	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	1.08	0.754	2.59	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.47	1.86	5.18	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.39	1.81	5.02	

\* = PQL adjusted to the MBCV.

**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

Page 1 of 7

**SDG Number:** 2017-2468  
**Lab Sample ID:** 11213001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135526  
**Batch ID:** 35589  
**Run Date:** 09/28/2017 05:29  
**Data File:** d27sep17a\_2-8  
**Prep Batch:** 35585  
**Prep Date:** 05-SEP-17

**Client:** LANL001  
**Date Collected:** 08/07/2017 12:22  
**Date Received:** 08/15/2017 09:50  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 920.3 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	U	109	109	pg/L	109
PCB-12/13	PCB-13/12	CU	43.5	43.5	pg/L	43.5
34883-41-5	PCB-14	U	21.7	21.7	pg/L	21.7
2050-68-2	PCB-15	U	25.2	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	43.5	43.5	pg/L	43.5
38444-73-4	PCB-19	U	21.7	21.7	pg/L	21.7
PCB-20/28	PCB-20/28	C	59.7	57	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	21.7	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	43.5	43.5	pg/L	43.5
38444-76-7	PCB-27	U	21.7	21.7	pg/L	21.7
16606-02-3	PCB-31		45.0	42.6	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		28.8	25.9	pg/L	21.7

**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**

Page 2 of 7

**SDG Number:** 2017-2468  
**Lab Sample ID:** 11213001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135526  
**Batch ID:** 35589  
**Run Date:** 09/28/2017 05:29  
**Data File:** d27sep17a\_2-8  
**Prep Batch:** 35585  
**Prep Date:** 05-SEP-17

**Client:** LANL001  
**Date Collected:** 08/07/2017 12:22  
**Date Received:** 08/15/2017 09:50  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 920.3 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	C	59.0	55.9	pg/L	43.5
52663-59-9	PCB-41	U	21.7	21.7	pg/L	21.7
36559-22-5	PCB-42		37.5	34	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	276	273	pg/L	65.2
PCB-45/51	PCB-45/51	CU	43.5	43.5	pg/L	43.5
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	168	165	pg/L	43.5
PCB-50/53	PCB-50/53	CU	43.5	43.5	pg/L	43.5
35693-99-3	PCB-52		836	832	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		62.7	60.1	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	316	314	pg/L	86.9
74472-34-7	PCB-63	U	21.7	21.7	pg/L	21.7
52663-58-8	PCB-64		71.5	68.9	pg/L	21.7
32598-10-0	PCB-66		156	153	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		38.7	36.5	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:** 2017-2468  
**Lab Sample ID:** 11213001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135526  
**Batch ID:** 35589  
**Run Date:** 09/28/2017 05:29  
**Data File:** d27sep17a\_2-8  
**Prep Batch:** 35585  
**Prep Date:** 05-SEP-17

**Client:** LANL001  
**Date Collected:** 08/07/2017 12:22  
**Date Received:** 08/15/2017 09:50  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 920.3 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		236	233	pg/L	21.7
60145-20-2	PCB-83		134	131	pg/L	21.7
52663-60-2	PCB-84		585	582	pg/L	21.7
PCB-85-117	PCB-117/116/85	C	377	374	pg/L	65.2
PCB-86-125	PCB-86/87/97/109/119/125	C	1530	1530	pg/L	130
PCB-88/91	PCB-88/91	CU	43.5	43.5	pg/L	43.5
73575-57-2	PCB-89	U	21.7	21.7	pg/L	21.7
PCB-90-113	PCB-113/90/101	C	2260	2250	pg/L	65.2
52663-61-3	PCB-92		458	455	pg/L	21.7
PCB-93/100	PCB-93/100	CU	43.5	43.5	pg/L	43.5
73575-55-0	PCB-94	U	21.7	21.7	pg/L	21.7
38379-99-6	PCB-95		2050	2050	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	43.5	43.5	pg/L	43.5
38380-01-7	PCB-99		912	908	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		621	618	pg/L	21.7
70424-69-0	PCB-106	U	21.7	21.7	pg/L	21.7
70424-68-9	PCB-107		96.3	93.9	pg/L	21.7
PCB-108/124	PCB-108/124	C	78.4	75.9	pg/L	43.5
PCB-110/115	PCB-110/115	C	3570	3570	pg/L	43.5
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		1600	1590	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	22.0	21.7	pg/L	21.7
65510-44-3	PCB-123		32.3	29.6	pg/L	21.7
57465-28-8	PCB-126	U	21.7	21.7	pg/L	21.7

**Comments:**

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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2017-2468  
**Lab Sample ID:** 11213001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135526  
**Batch ID:** 35589  
**Run Date:** 09/28/2017 05:29  
**Data File:** d27sep17a\_2-8  
**Prep Batch:** 35585  
**Prep Date:** 05-SEP-17

**Client:** LANL001  
**Date Collected:** 08/07/2017 12:22  
**Date Received:** 08/15/2017 09:50  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 920.3 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	673	670	pg/L	43.5
PCB-129-163	PCB-138/163/129	C	4130	4120	pg/L	65.2
52663-66-8	PCB-130		247	243	pg/L	21.7
61798-70-7	PCB-131		50.8	45.5	pg/L	21.7
38380-05-1	PCB-132		1390	1390	pg/L	21.7
35694-04-3	PCB-133		44.1	39.4	pg/L	21.7
52704-70-8	PCB-134		200	194	pg/L	21.7
PCB-135/151	PCB-151/135	C	1040	1040	pg/L	43.5
38411-22-2	PCB-136		392	390	pg/L	21.7
35694-06-5	PCB-137		208	204	pg/L	21.7
PCB-139/140	PCB-139/140	C	61.9	57.4	pg/L	43.5
52712-04-6	PCB-141		643	638	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		145	142	pg/L	21.7
74472-40-5	PCB-145	U	21.7	21.7	pg/L	21.7
51908-16-8	PCB-146		429	425	pg/L	21.7
PCB-147/149	PCB-147/149	C	2730	2720	pg/L	43.5
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	2630	2630	pg/L	43.5
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	381	376	pg/L	43.5
74472-42-7	PCB-158		364	361	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		271	267	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:** 2017-2468  
**Lab Sample ID:** 11213001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135526  
**Batch ID:** 35589  
**Run Date:** 09/28/2017 05:29  
**Data File:** d27sep17a\_2-8  
**Prep Batch:** 35585  
**Prep Date:** 05-SEP-17

**Client:** LANL001  
**Date Collected:** 08/07/2017 12:22  
**Date Received:** 08/15/2017 09:50  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 920.3 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		154	150	pg/L	21.7
32774-16-6	PCB-169	U	21.7	21.7	pg/L	21.7
35065-30-6	PCB-170		775	771	pg/L	21.7
PCB-171/173	PCB-173/171	C	230	225	pg/L	43.5
52663-74-8	PCB-172		129	124	pg/L	21.7
38411-25-5	PCB-174		787	782	pg/L	21.7
40186-70-7	PCB-175		26.9	23.5	pg/L	21.7
52663-65-7	PCB-176		82.9	80.1	pg/L	21.7
52663-70-4	PCB-177		436	431	pg/L	21.7
52663-67-9	PCB-178		140	137	pg/L	21.7
52663-64-6	PCB-179		284	281	pg/L	21.7
PCB-180/193	PCB-193/180	CU	43.5	43.5	pg/L	43.5
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	481	476	pg/L	43.5
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		887	884	pg/L	21.7
74487-85-7	PCB-188	U	21.7	21.7	pg/L	21.7
39635-31-9	PCB-189		32.8	29.3	pg/L	21.7
41411-64-7	PCB-190		153	149	pg/L	21.7
74472-50-7	PCB-191		26.9	23.4	pg/L	21.7
74472-51-8	PCB-192	U	21.7	21.7	pg/L	21.7
35694-08-7	PCB-194		323	319	pg/L	21.7
52663-78-2	PCB-195		124	119	pg/L	21.7
42740-50-1	PCB-196		157	152	pg/L	21.7
PCB-197/200	PCB-197/200	CU	43.5	43.5	pg/L	43.5
PCB-198/199	PCB-198/199	C	386	381	pg/L	43.5
40186-71-8	PCB-201		40.3	36.6	pg/L	21.7
2136-99-4	PCB-202		71.2	67.1	pg/L	21.7
52663-76-0	PCB-203		241	237	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**

Page 6 of 7

**SDG Number:** 2017-2468  
**Lab Sample ID:** 11213001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135526  
**Batch ID:** 35589  
**Run Date:** 09/28/2017 05:29  
**Data File:** d27sep17a\_2-8  
**Prep Batch:** 35585  
**Prep Date:** 05-SEP-17

**Client:** LANL001  
**Date Collected:** 08/07/2017 12:22  
**Date Received:** 08/15/2017 09:50  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 920.3 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		137	134	pg/L	21.7
52663-79-3	PCB-207	U	21.7	21.7	pg/L	21.7
52663-77-1	PCB-208		38.3	33.1	pg/L	21.7
2051-24-3	PCB-209		58.9	53.9	pg/L	21.7
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs	U	25.2	0	pg/L	
25323-68-6	Total Tri PCBs		134	125	pg/L	
26914-33-0	Total Tetra PCBs		2020	1990	pg/L	
25429-29-2	Total Penta PCBs		14600	14500	pg/L	
26601-64-9	Total Hexa PCBs		16200	16100	pg/L	
28655-71-2	Total Hepta PCBs		4470	4420	pg/L	
55722-26-4	Total Octa PCBs		1340	1310	pg/L	
53742-07-7	Total Nona PCBs		175	167	pg/L	
DECACB(Tot)	Total Deca PCB		58.9	53.9	pg/L	
1336-36-3	Total PCB Congeners		39000	38700	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1180	2170	pg/L	54.4	(5%-145%)
13C-3-MoCB		1300	2170	pg/L	59.7	(5%-145%)
13C-4-DiCB		1300	2170	pg/L	59.9	(5%-145%)
13C-15-DiCB		2370	2170	pg/L	109	(5%-145%)
13C-19-TrCB		1830	2170	pg/L	84.3	(5%-145%)
13C-37-TrCB		2370	2170	pg/L	109	(5%-145%)
13C-54-TeCB		1660	2170	pg/L	76.5	(5%-145%)
13C-77-TeCB		2400	2170	pg/L	110	(10%-145%)
13C-81-TeCB		2360	2170	pg/L	108	(10%-145%)
13C-104-PeCB		1750	2170	pg/L	80.3	(10%-145%)
13C-105-PeCB		2170	2170	pg/L	100	(10%-145%)
13C-114-PeCB		2070	2170	pg/L	95.4	(10%-145%)
13C-118-PeCB		2110	2170	pg/L	97.2	(10%-145%)
13C-123-PeCB		2140	2170	pg/L	98.5	(10%-145%)
13C-126-PeCB		2220	2170	pg/L	102	(10%-145%)
13C-155-HxCB		1670	2170	pg/L	77.0	(10%-145%)
13C-156-HxCB	C	4030	4350	pg/L	92.8	(10%-145%)
13C-167-HxCB		2080	2170	pg/L	95.7	(10%-145%)
13C-169-HxCB		2220	2170	pg/L	102	(10%-145%)
13C-188-HpCB		1610	2170	pg/L	74.2	(10%-145%)
13C-189-HpCB		1860	2170	pg/L	85.5	(10%-145%)
13C-202-OcCB		1570	2170	pg/L	72.1	(10%-145%)
13C-205-OcCB		2070	2170	pg/L	95.4	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-2468	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11213001	<b>Date Collected:</b> 08/07/2017 12:22	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 08/15/2017 09:50	
<b>Client ID:</b> WT_IPC-17-135526		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35589	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 09/28/2017 05:29	<b>Analyst:</b> MLS	<b>Instrument:</b> HRP875
<b>Data File:</b> d27sep17a_2-8		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35585	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 05-SEP-17	<b>Prep Aliquot:</b> 920.3 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			1990	2170	pg/L	91.4      (10%-145%)
13C-208-NoCB			1770	2170	pg/L	81.6      (10%-145%)
13C-209-DeCB			1750	2170	pg/L	80.6      (10%-145%)
13C-28-TrCB			1850	2170	pg/L	85.3      (5%-145%)
13C-111-PeCB			1970	2170	pg/L	90.5      (10%-145%)
13C-178-HpCB			1770	2170	pg/L	81.2      (10%-145%)

**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-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	1.29	1.04	3.37	
3-Chlorobiphenyl (2)	pg/L	1.29	1	3.29	
4-Chlorobiphenyl (3)	pg/L	1.18	0.858	2.9	
2,2'-Dichlorobiphenyl (4)	pg/L	5.5	5.96	17.4	
2,3-Dichlorobiphenyl (5)	pg/L	3.32	3.62	10.6	
2,3'-Dichlorobiphenyl (6)	pg/L	2.62	2.94	8.5	
2,4-Dichlorobiphenyl (7)	pg/L	2.92	3.41	9.75	
2,4'-Dichlorobiphenyl (8)	pg/L	2.43	2.77	7.97	
2,5-Dichlorobiphenyl (9)	pg/L	3.1	3.65	10.4	
2,6-Dichlorobiphenyl (10)	pg/L	3	3.45	9.91	
3,3'-Dichlorobiphenyl (11)	pg/L	3.87	4.53	12.9	
3,4-Dichlorobiphenyl (12)	pg/L	3.02	3.43	9.88	
3,5-Dichlorobiphenyl (14)	pg/L	2.9	3.38	9.65	
4,4'-Dichlorobiphenyl (15)	pg/L	3.02	3.36	9.73	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.59	1.05	3.68	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.56	1.08	3.72	
2,2',5-Trichlorobiphenyl (18)	pg/L	1.32	0.89	3.1	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.73	1.18	4.09	
2,3,3'-Trichlorobiphenyl (20)	pg/L	1.1	0.78	2.66	
2,3,4-Trichlorobiphenyl (21)	pg/L	1.05	0.745	2.54	
2,3,4'-Trichlorobiphenyl (22)	pg/L	1.12	0.763	2.65	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.11	0.789	2.69	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.19	0.83	2.85	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.969	0.674	2.32	
2,3',5-Trichlorobiphenyl (26)	pg/L	1.07	0.755	2.58	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.11	0.809	2.73	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.993	0.695	2.38	
2,4',6-Trichlorobiphenyl (32)	pg/L	1.02	0.725	2.47	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.13	0.827	2.78	
3,3',4-Trichlorobiphenyl (35)	pg/L	1.28	0.844	2.97	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.19	0.794	2.77	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.34	0.824	2.99	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.23	0.831	2.89	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.21	0.806	2.82	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.45	0.824	3.1	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.99	1.33	4.66	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.63	0.932	3.49	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.84	1	3.85	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.48	0.881	3.24	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	1.08	0.748	2.57	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	1.13	0.76	2.64	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.62	0.968	3.55	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.38	0.827	3.03	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	1	0.69	2.38	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.58	1.01	3.6	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.742	0.485	1.71	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	1.13	0.662	2.46	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	1.18	0.709	2.59	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	1.08	0.677	2.44	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	1.14	0.719	2.58	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	1.19	0.71	2.61	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	1.12	0.663	2.45	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.24	0.655	2.55	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	1.02	0.64	2.3	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	1.2	0.714	2.62	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	1.07	0.611	2.29	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.987	0.611	2.21	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	1.03	0.635	2.3	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	1.03	0.639	2.3	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1.28	0.799	2.88	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.16	0.563	2.29	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	1.05	0.557	2.17	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.95	0.49	1.93	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.97	0.579	2.13	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	1.08	0.563	2.21	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.38	0.817	3.01	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.51	1.01	3.53	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.47	0.951	3.37	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	1.06	0.64	2.34	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	1.11	0.665	2.44	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.36	0.912	3.18	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.38	0.914	3.21	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	1.14	0.714	2.56	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.31	0.854	3.02	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.35	0.923	3.2	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.47	0.98	3.43	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	1.3	0.897	3.09	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.706	0.495	1.7	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.38	0.897	3.17	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	1.33	1.04	3.41	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	1.23	0.851	2.93	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.655	0.41	1.48	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.23	0.778	2.78	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	1.06	0.633	2.32	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	1.02	0.659	2.34	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	1.13	0.698	2.52	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.991	0.576	2.14	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.965	0.571	2.11	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.919	0.51	1.94	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.24	0.756	2.75	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	1.16	0.73	2.62	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.889	0.534	1.96	



# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	1.03	0.67	2.37	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	1.15	0.718	2.59	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	1.17	0.737	2.64	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.37	0.895	3.15	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	1.07	0.616	2.3	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.54	1.11	3.77	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.66	1.25	4.15	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.92	1.43	4.78	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	2.11	1.6	5.31	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	2.03	1.55	5.13	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.84	1.4	4.64	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	2.4	1.93	6.26	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.2	0.864	2.92	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.905	0.668	2.24	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.87	1.47	4.81	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.77	1.36	4.49	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.74	1.31	4.35	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.94	1.45	4.84	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.78	1.29	4.37	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	1.14	0.817	2.77	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.978	0.714	2.41	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.6	1.23	4.07	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.78	1.35	4.48	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	1.14	0.787	2.71	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.935	0.687	2.31	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.892	0.655	2.2	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.46	1.08	3.62	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	1.04	0.755	2.55	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.777	0.51	1.8	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.65	1.47	4.6	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.24	0.918	3.08	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.19	1.05	3.29	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.46	1.07	3.61	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.33	0.997	3.32	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.22	1.08	3.39	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	1.34	0.979	3.3	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.54	1.18	3.89	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.22	1.07	3.36	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.31	1.17	3.66	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.69	1.46	4.61	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.78	1.64	5.07	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.73	1.54	4.82	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.73	1.59	4.91	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.28	1.03	3.34	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	1.03	0.849	2.73	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.8	1.66	5.12	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-SEP-17 to 30-SEP-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.35	1.09	3.53	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	1.03	0.836	2.7	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.44	1.28	4	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.77	1.64	5.05	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.3	1.03	3.36	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.69	1.58	4.84	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	1.03	0.848	2.73	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	1.1	0.896	2.89	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	1.28	1.02	3.31	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	1.03	0.808	2.64	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.36	1.08	3.51	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.29	1.11	3.51	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.27	1.12	3.5	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.44	1.28	4	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.39	1.15	3.69	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.48	1.33	4.13	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.45	1.43	4.3	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.18	1.21	3.6	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.51	1.5	4.5	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.19	1.23	3.66	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.33	1.36	4.05	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.42	1.4	4.22	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.19	1.22	3.62	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.17	1.07	3.3	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.33	0.846	3.02	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	1.08	0.754	2.59	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.47	1.86	5.18	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.39	1.81	5.02	

\* = PQL adjusted to the MBCV.

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

Page 1 of 7

**SDG Number:** 2017-2599  
**Lab Sample ID:** 11281001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135533  
**Batch ID:** 35648  
**Run Date:** 10/01/2017 00:58  
**Data File:** c30sep17a\_2-4  
**Prep Batch:** 35646  
**Prep Date:** 14-SEP-17

**Client:** LANL001  
**Date Collected:** 08/23/2017 12:03  
**Date Received:** 08/30/2017 10:15  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 912.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
2051-60-7	PCB-1	U	21.9	21.9	pg/L	21.9
2051-61-8	PCB-2	U	21.9	21.9	pg/L	21.9
2051-62-9	PCB-3	U	21.9	21.9	pg/L	21.9
13029-08-8	PCB-4	U	21.9	21.9	pg/L	21.9
16605-91-7	PCB-5	U	21.9	21.9	pg/L	21.9
25569-80-6	PCB-6	U	21.9	21.9	pg/L	21.9
33284-50-3	PCB-7	U	21.9	21.9	pg/L	21.9
34883-43-7	PCB-8		30.4	22.4	pg/L	21.9
34883-39-1	PCB-9	U	21.9	21.9	pg/L	21.9
33146-45-1	PCB-10	U	21.9	21.9	pg/L	21.9
2050-67-1	PCB-11		204	191	pg/L	110
PCB-12/13	PCB-13/12	CU	43.8	43.8	pg/L	43.8
34883-41-5	PCB-14	U	21.9	21.9	pg/L	21.9
2050-68-2	PCB-15	U	21.9	21.9	pg/L	21.9
38444-78-9	PCB-16		38.6	34.9	pg/L	21.9
37680-66-3	PCB-17		41.8	38	pg/L	21.9
PCB-18/30	PCB-18/30	C	85.5	82.4	pg/L	43.8
38444-73-4	PCB-19	U	21.9	21.9	pg/L	21.9
PCB-20/28	PCB-20/28	C	139	136	pg/L	43.8
PCB-21/33	PCB-21/33	C	68.3	65.7	pg/L	43.8
38444-85-8	PCB-22		47.0	44.3	pg/L	21.9
55720-44-0	PCB-23	U	21.9	21.9	pg/L	21.9
55702-45-9	PCB-24	U	21.9	21.9	pg/L	21.9
55712-37-3	PCB-25	U	21.9	21.9	pg/L	21.9
PCB-26/29	PCB-26/29	CU	43.8	43.8	pg/L	43.8
38444-76-7	PCB-27	U	21.9	21.9	pg/L	21.9
16606-02-3	PCB-31		102	99.5	pg/L	21.9
38444-77-8	PCB-32	U	21.9	21.9	pg/L	21.9
37680-68-5	PCB-34	U	21.9	21.9	pg/L	21.9
37680-69-6	PCB-35	U	21.9	21.9	pg/L	21.9
38444-87-0	PCB-36	U	21.9	21.9	pg/L	21.9
38444-90-5	PCB-37		76.9	73.9	pg/L	21.9

**Comments:**

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**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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**SDG Number:** 2017-2599  
**Lab Sample ID:** 11281001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135533  
**Batch ID:** 35648  
**Run Date:** 10/01/2017 00:58  
**Data File:** c30sep17a\_2-4  
**Prep Batch:** 35646  
**Prep Date:** 14-SEP-17

**Client:** LANL001  
**Date Collected:** 08/23/2017 12:03  
**Date Received:** 08/30/2017 10:15  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 912.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
53555-66-1	PCB-38	U	21.9	21.9	pg/L	21.9
38444-88-1	PCB-39	U	21.9	21.9	pg/L	21.9
PCB-40/71	PCB-40/71	CU	43.8	43.8	pg/L	43.8
52663-59-9	PCB-41		116	112	pg/L	21.9
36559-22-5	PCB-42	U	21.9	21.9	pg/L	21.9
70362-46-8	PCB-43	U	21.9	21.9	pg/L	21.9
PCB-44/47/65	PCB-44/65/47	CU	65.8	65.8	pg/L	65.8
PCB-45/51	PCB-45/51	CU	43.8	43.8	pg/L	43.8
41464-47-5	PCB-46	U	21.9	21.9	pg/L	21.9
70362-47-9	PCB-48	U	21.9	21.9	pg/L	21.9
PCB-49/69	PCB-69/49	C	169	166	pg/L	43.8
PCB-50/53	PCB-50/53	CU	43.8	43.8	pg/L	43.8
35693-99-3	PCB-52	U	21.9	21.9	pg/L	21.9
15968-05-5	PCB-54	U	21.9	21.9	pg/L	21.9
74338-24-2	PCB-55	U	21.9	21.9	pg/L	21.9
41464-43-1	PCB-56	U	21.9	21.9	pg/L	21.9
70424-67-8	PCB-57	U	21.9	21.9	pg/L	21.9
41464-49-7	PCB-58	U	21.9	21.9	pg/L	21.9
PCB-59/62/75	PCB-59/62/75	CU	65.8	65.8	pg/L	65.8
33025-41-1	PCB-60		50.4	47.9	pg/L	21.9
PCB-61-76	PCB-61/76/70/74	CU	87.7	87.7	pg/L	87.7
74472-34-7	PCB-63	U	21.9	21.9	pg/L	21.9
52663-58-8	PCB-64	U	21.9	21.9	pg/L	21.9
32598-10-0	PCB-66	U	21.9	21.9	pg/L	21.9
73575-53-8	PCB-67	U	21.9	21.9	pg/L	21.9
73575-52-7	PCB-68	U	21.9	21.9	pg/L	21.9
41464-42-0	PCB-72	U	21.9	21.9	pg/L	21.9
74338-23-1	PCB-73	U	21.9	21.9	pg/L	21.9
32598-13-3	PCB-77		64.8	62.5	pg/L	21.9
70362-49-1	PCB-78	U	21.9	21.9	pg/L	21.9
41464-48-6	PCB-79		31.1	29.1	pg/L	21.9
33284-52-5	PCB-80	U	21.9	21.9	pg/L	21.9

**Comments:**

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**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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**SDG Number:** 2017-2599  
**Lab Sample ID:** 11281001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135533  
**Batch ID:** 35648  
**Run Date:** 10/01/2017 00:58  
**Data File:** c30sep17a\_2-4  
**Prep Batch:** 35646  
**Prep Date:** 14-SEP-17

**Client:** LANL001  
**Date Collected:** 08/23/2017 12:03  
**Date Received:** 08/30/2017 10:15  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 912.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
70362-50-4	PCB-81	U	21.9	21.9	pg/L	21.9
52663-62-4	PCB-82		342	339	pg/L	21.9
60145-20-2	PCB-83		184	180	pg/L	21.9
52663-60-2	PCB-84	U	21.9	21.9	pg/L	21.9
PCB-85-117	PCB-117/116/85	C	539	537	pg/L	65.8
PCB-86-125	PCB-86/87/97/109/119/125	C	1990	1980	pg/L	132
PCB-88/91	PCB-88/91	C	510	507	pg/L	43.8
73575-57-2	PCB-89	U	21.9	21.9	pg/L	21.9
PCB-90-113	PCB-113/90/101	C	3170	3170	pg/L	65.8
52663-61-3	PCB-92		656	653	pg/L	21.9
PCB-93/100	PCB-93/100	CU	43.8	43.8	pg/L	43.8
73575-55-0	PCB-94	U	21.9	21.9	pg/L	21.9
38379-99-6	PCB-95		2890	2890	pg/L	21.9
73575-54-9	PCB-96	U	21.9	21.9	pg/L	21.9
PCB-98/102	PCB-102/98	C	79.2	76	pg/L	43.8
38380-01-7	PCB-99		1350	1350	pg/L	21.9
60145-21-3	PCB-103	U	21.9	21.9	pg/L	21.9
56558-16-8	PCB-104	U	21.9	21.9	pg/L	21.9
32598-14-4	PCB-105		1010	1000	pg/L	21.9
70424-69-0	PCB-106	U	21.9	21.9	pg/L	21.9
70424-68-9	PCB-107		186	183	pg/L	21.9
PCB-108/124	PCB-108/124	C	134	131	pg/L	43.8
PCB-110/115	PCB-110/115	CU	43.8	43.8	pg/L	43.8
39635-32-0	PCB-111	U	21.9	21.9	pg/L	21.9
74472-36-9	PCB-112	U	21.9	21.9	pg/L	21.9
74472-37-0	PCB-114		30.1	27.3	pg/L	21.9
31508-00-6	PCB-118		2510	2500	pg/L	21.9
68194-12-7	PCB-120	U	21.9	21.9	pg/L	21.9
56558-18-0	PCB-121	U	21.9	21.9	pg/L	21.9
76842-07-4	PCB-122		44.8	42.2	pg/L	21.9
65510-44-3	PCB-123		56.8	54.2	pg/L	21.9
57465-28-8	PCB-126	U	21.9	21.9	pg/L	21.9

**Comments:**

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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2017-2599  
**Lab Sample ID:** 11281001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135533  
**Batch ID:** 35648  
**Run Date:** 10/01/2017 00:58  
**Data File:** c30sep17a\_2-4  
**Prep Batch:** 35646  
**Prep Date:** 14-SEP-17

**Client:** LANL001  
**Date Collected:** 08/23/2017 12:03  
**Date Received:** 08/30/2017 10:15  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 912.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
39635-33-1	PCB-127	U	21.9	21.9	pg/L	21.9
PCB-128/166	PCB-128/166	C	1140	1140	pg/L	43.8
PCB-129-163	PCB-138/163/129	C	7100	7090	pg/L	65.8
52663-66-8	PCB-130	U	21.9	21.9	pg/L	21.9
61798-70-7	PCB-131		89.8	84.5	pg/L	21.9
38380-05-1	PCB-132		2290	2280	pg/L	21.9
35694-04-3	PCB-133		83.6	79	pg/L	21.9
52704-70-8	PCB-134		411	405	pg/L	21.9
PCB-135/151	PCB-151/135	C	1980	1980	pg/L	43.8
38411-22-2	PCB-136		694	692	pg/L	21.9
35694-06-5	PCB-137	U	21.9	21.9	pg/L	21.9
PCB-139/140	PCB-139/140	C	107	102	pg/L	43.8
52712-04-6	PCB-141	U	21.9	21.9	pg/L	21.9
41411-61-4	PCB-142	U	21.9	21.9	pg/L	21.9
68194-15-0	PCB-143	U	21.9	21.9	pg/L	21.9
68194-14-9	PCB-144		260	257	pg/L	21.9
74472-40-5	PCB-145	U	21.9	21.9	pg/L	21.9
51908-16-8	PCB-146	U	21.9	21.9	pg/L	21.9
PCB-147/149	PCB-147/149	C	5070	5060	pg/L	43.8
74472-41-6	PCB-148	U	21.9	21.9	pg/L	21.9
68194-08-1	PCB-150	U	21.9	21.9	pg/L	21.9
68194-09-2	PCB-152	U	21.9	21.9	pg/L	21.9
PCB-153/168	PCB-153/168	CU	43.8	43.8	pg/L	43.8
60145-22-4	PCB-154		42.2	39.7	pg/L	21.9
33979-03-2	PCB-155	U	21.9	21.9	pg/L	21.9
PCB-156/157	PCB-156/157	C	685	680	pg/L	43.8
74472-42-7	PCB-158	U	21.9	21.9	pg/L	21.9
39635-35-3	PCB-159	U	21.9	21.9	pg/L	21.9
41411-62-5	PCB-160	U	21.9	21.9	pg/L	21.9
74472-43-8	PCB-161	U	21.9	21.9	pg/L	21.9
39635-34-2	PCB-162	U	21.9	21.9	pg/L	21.9
74472-45-0	PCB-164	U	21.9	21.9	pg/L	21.9

**Comments:**

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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2017-2599  
**Lab Sample ID:** 11281001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135533  
**Batch ID:** 35648  
**Run Date:** 10/01/2017 00:58  
**Data File:** c30sep17a\_2-4  
**Prep Batch:** 35646  
**Prep Date:** 14-SEP-17

**Client:** LANL001  
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**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 912.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-46-1	PCB-165	U	21.9	21.9	pg/L	21.9
52663-72-6	PCB-167		288	285	pg/L	21.9
32774-16-6	PCB-169	U	21.9	21.9	pg/L	21.9
35065-30-6	PCB-170		1540	1530	pg/L	21.9
PCB-171/173	PCB-173/171	CU	43.8	43.8	pg/L	43.8
52663-74-8	PCB-172		270	265	pg/L	21.9
38411-25-5	PCB-174		1700	1690	pg/L	21.9
40186-70-7	PCB-175		66.3	63	pg/L	21.9
52663-65-7	PCB-176		179	176	pg/L	21.9
52663-70-4	PCB-177		960	955	pg/L	21.9
52663-67-9	PCB-178		340	336	pg/L	21.9
52663-64-6	PCB-179		638	635	pg/L	21.9
PCB-180/193	PCB-193/180	CU	43.8	43.8	pg/L	43.8
74472-47-2	PCB-181	U	21.9	21.9	pg/L	21.9
60145-23-5	PCB-182	U	21.9	21.9	pg/L	21.9
PCB-183/185	PCB-183/185	C	1020	1020	pg/L	43.8
74472-48-3	PCB-184	U	21.9	21.9	pg/L	21.9
74472-49-4	PCB-186	U	21.9	21.9	pg/L	21.9
52663-68-0	PCB-187		2010	2000	pg/L	21.9
74487-85-7	PCB-188	U	21.9	21.9	pg/L	21.9
39635-31-9	PCB-189		65.9	62.4	pg/L	21.9
41411-64-7	PCB-190		305	301	pg/L	21.9
74472-50-7	PCB-191		56.5	53	pg/L	21.9
74472-51-8	PCB-192	U	21.9	21.9	pg/L	21.9
35694-08-7	PCB-194	U	21.9	21.9	pg/L	21.9
52663-78-2	PCB-195	U	21.9	21.9	pg/L	21.9
42740-50-1	PCB-196	U	21.9	21.9	pg/L	21.9
PCB-197/200	PCB-197/200	C	143	140	pg/L	43.8
PCB-198/199	PCB-198/199	C	1000	996	pg/L	43.8
40186-71-8	PCB-201	U	21.9	21.9	pg/L	21.9
2136-99-4	PCB-202		198	194	pg/L	21.9
52663-76-0	PCB-203	U	21.9	21.9	pg/L	21.9

**Comments:**

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**SDG Number:** 2017-2599  
**Lab Sample ID:** 11281001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135533  
**Batch ID:** 35648  
**Run Date:** 10/01/2017 00:58  
**Data File:** c30sep17a\_2-4  
**Prep Batch:** 35646  
**Prep Date:** 14-SEP-17

**Client:** LANL001  
**Date Collected:** 08/23/2017 12:03  
**Date Received:** 08/30/2017 10:15  
  
**Method:** EPA Method 1668C  
**Analyst:** MJC  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 912.5 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP791  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
74472-52-9	PCB-204	U	21.9	21.9	pg/L	21.9
74472-53-0	PCB-205		42.3	39	pg/L	21.9
40186-72-9	PCB-206		375	372	pg/L	21.9
52663-79-3	PCB-207		47.8	45.3	pg/L	21.9
52663-77-1	PCB-208		113	108	pg/L	21.9
2051-24-3	PCB-209		193	188	pg/L	21.9
27323-18-8	Total Mono PCBs	U	0	0	pg/L	
25512-42-9	Total Di PCBs		234	213	pg/L	
25323-68-6	Total Tri PCBs		599	575	pg/L	
26914-33-0	Total Tetra PCBs		432	418	pg/L	
25429-29-2	Total Penta PCBs		15700	15600	pg/L	
26601-64-9	Total Hexa PCBs		20200	20200	pg/L	
28655-71-2	Total Hepta PCBs		9140	9090	pg/L	
55722-26-4	Total Octa PCBs		1380	1370	pg/L	
53742-07-7	Total Nona PCBs		536	525	pg/L	
DECACB(Tot)	Total Deca PCB		193	188	pg/L	
1336-36-3	Total PCB Congeners		48400	48200	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1250	2190	pg/L	57.0	(5%-145%)
13C-3-MoCB		1480	2190	pg/L	67.7	(5%-145%)
13C-4-DiCB		1040	2190	pg/L	47.4	(5%-145%)
13C-15-DiCB		2520	2190	pg/L	115	(5%-145%)
13C-19-TrCB		1500	2190	pg/L	68.3	(5%-145%)
13C-37-TrCB		3180	2190	pg/L	145	(5%-145%)
13C-54-TeCB		1280	2190	pg/L	58.6	(5%-145%)
13C-77-TeCB		4050	2190	pg/L	185 *	(10%-145%)
13C-81-TeCB		3980	2190	pg/L	181 *	(10%-145%)
13C-104-PeCB		1220	2190	pg/L	55.4	(10%-145%)
13C-105-PeCB		2820	2190	pg/L	129	(10%-145%)
13C-114-PeCB		2890	2190	pg/L	132	(10%-145%)
13C-118-PeCB		2930	2190	pg/L	134	(10%-145%)
13C-123-PeCB		2990	2190	pg/L	136	(10%-145%)
13C-126-PeCB		3190	2190	pg/L	146 *	(10%-145%)
13C-155-HxCB		1210	2190	pg/L	55.1	(10%-145%)
13C-156-HxCB	C	4000	4380	pg/L	91.3	(10%-145%)
13C-167-HxCB		2420	2190	pg/L	110	(10%-145%)
13C-169-HxCB		2470	2190	pg/L	113	(10%-145%)
13C-188-HpCB		1420	2190	pg/L	64.8	(10%-145%)
13C-189-HpCB		2100	2190	pg/L	95.7	(10%-145%)
13C-202-OcCB		1590	2190	pg/L	72.4	(10%-145%)
13C-205-OcCB		2060	2190	pg/L	94.1	(10%-145%)



**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2017-2599	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11281001	<b>Date Collected:</b> 08/23/2017 12:03	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 08/30/2017 10:15	
<b>Client ID:</b> WT_IPC-17-135533		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35648	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 10/01/2017 00:58	<b>Analyst:</b> MJC	<b>Instrument:</b> HRP791
<b>Data File:</b> c30sep17a_2-4		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35646	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 14-SEP-17	<b>Prep Aliquot:</b> 912.5 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			1890	2190	pg/L	86.1      (10%-145%)
13C-208-NoCB			1700	2190	pg/L	77.5      (10%-145%)
13C-209-DeCB			1540	2190	pg/L	70.5      (10%-145%)
13C-28-TrCB			1900	2190	pg/L	86.5      (5%-145%)
13C-111-PeCB			2080	2190	pg/L	94.9      (10%-145%)
13C-178-HpCB			1730	2190	pg/L	79.1      (10%-145%)

**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-OCT-17 to 31-OCT-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	1.49	1	3.49	
3-Chlorobiphenyl (2)	pg/L	1.47	0.915	3.3	
4-Chlorobiphenyl (3)	pg/L	1.35	0.793	2.94	
2,2'-Dichlorobiphenyl (4)	pg/L	5.73	5.72	17.2	
2,3-Dichlorobiphenyl (5)	pg/L	3.55	3.41	10.4	
2,3'-Dichlorobiphenyl (6)	pg/L	2.85	2.78	8.4	
2,4-Dichlorobiphenyl (7)	pg/L	3.12	3.25	9.62	
2,4'-Dichlorobiphenyl (8)	pg/L	2.61	2.63	7.87	
2,5-Dichlorobiphenyl (9)	pg/L	3.32	3.48	10.3	
2,6-Dichlorobiphenyl (10)	pg/L	3.15	3.36	9.86	
3,3'-Dichlorobiphenyl (11)	pg/L	5.55	4.92	15.4	
3,4-Dichlorobiphenyl (12)	pg/L	3.21	3.26	9.73	
3,5-Dichlorobiphenyl (14)	pg/L	3.08	3.2	9.48	
4,4'-Dichlorobiphenyl (15)	pg/L	3.3	3.2	9.69	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.78	0.886	3.55	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.71	0.862	3.44	
2,2',5-Trichlorobiphenyl (18)	pg/L	1.38	0.759	2.89	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.92	0.945	3.81	
2,3,3'-Trichlorobiphenyl (20)	pg/L	1.17	0.638	2.45	
2,3,4-Trichlorobiphenyl (21)	pg/L	1.13	0.602	2.33	
2,3,4'-Trichlorobiphenyl (22)	pg/L	1.19	0.613	2.42	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.19	0.649	2.49	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.24	0.677	2.6	
2,3',4-Trichlorobiphenyl (25)	pg/L	1.05	0.551	2.15	
2,3',5-Trichlorobiphenyl (26)	pg/L	1.14	0.616	2.37	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.19	0.672	2.54	
2,4',5-Trichlorobiphenyl (31)	pg/L	1.07	0.562	2.2	
2,4',6-Trichlorobiphenyl (32)	pg/L	1.1	0.602	2.3	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.21	0.678	2.57	
3,3',4-Trichlorobiphenyl (35)	pg/L	1.29	0.73	2.75	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.18	0.693	2.57	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.33	0.727	2.78	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.25	0.719	2.69	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.22	0.708	2.63	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.57	0.638	2.84	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	2.02	1.09	4.19	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.79	0.759	3.3	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	2	0.833	3.66	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.57	0.692	2.96	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	1.15	0.619	2.39	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	1.21	0.62	2.45	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.71	0.765	3.24	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.47	0.655	2.78	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	1.08	0.57	2.22	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.67	0.823	3.31	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.865	0.418	1.7	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-OCT-17 to 31-OCT-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	1.03	0.545	2.12	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	1.07	0.588	2.24	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.99	0.583	2.16	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	1.03	0.605	2.24	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	1.26	0.553	2.36	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	1.03	0.545	2.12	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	0.984	0.551	2.09	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.942	0.536	2.01	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	1.28	0.558	2.39	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.948	0.527	2	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.902	0.519	1.94	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.949	0.545	2.04	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.951	0.55	2.05	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1.37	0.639	2.65	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.05	0.484	2.02	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.989	0.464	1.92	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.895	0.448	1.79	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.894	0.479	1.85	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	1	0.456	1.91	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.4	0.666	2.73	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.41	0.815	3.04	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.39	0.76	2.91	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	1.01	0.508	2.03	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	1.07	0.524	2.12	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.27	0.727	2.73	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.31	0.721	2.75	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	1.08	0.562	2.2	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.25	0.685	2.62	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.25	0.73	2.71	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.39	0.795	2.98	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	1.23	0.731	2.69	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.668	0.378	1.42	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.32	0.715	2.75	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	1.25	0.933	3.11	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	1.17	0.699	2.57	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.657	0.348	1.35	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	1.02	0.433	1.89	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.905	0.375	1.66	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.851	0.411	1.67	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.923	0.411	1.74	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.988	0.479	1.95	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.933	0.44	1.81	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.896	0.389	1.67	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.02	0.434	1.88	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.968	0.429	1.83	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.864	0.412	1.69	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-OCT-17 to 31-OCT-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.961	0.533	2.03	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.967	0.427	1.82	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.976	0.44	1.86	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.12	0.437	2	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.891	0.355	1.6	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.14	0.579	2.29	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.21	0.654	2.52	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.42	0.781	2.99	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.57	0.92	3.41	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.5	0.887	3.27	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.37	0.792	2.95	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.79	1.21	4.22	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	0.926	0.489	1.9	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.696	0.405	1.51	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.38	0.832	3.04	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.29	0.77	2.83	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.3	0.686	2.67	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.45	0.824	3.1	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.32	0.742	2.81	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.893	0.473	1.84	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.753	0.436	1.62	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.18	0.736	2.65	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.29	0.795	2.88	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.937	0.506	1.95	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.718	0.407	1.53	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.692	0.409	1.51	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.05	0.605	2.26	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.806	0.428	1.66	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.655	0.376	1.41	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.1	0.546	2.19	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	0.926	0.494	1.91	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	0.818	0.435	1.69	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.1	0.572	2.25	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	0.996	0.547	2.09	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	0.842	0.441	1.72	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	0.983	0.501	1.99	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.13	0.659	2.45	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	0.86	0.45	1.76	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	0.926	0.403	1.73	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.16	0.516	2.2	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.18	0.579	2.33	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.17	0.554	2.27	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.14	0.591	2.32	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	0.902	0.444	1.79	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.72	0.386	1.49	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.19	0.615	2.41	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-OCT-17 to 31-OCT-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	0.954	0.469	1.89	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.712	0.387	1.49	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	0.962	0.461	1.88	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.16	0.606	2.37	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	0.915	0.448	1.81	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.08	0.578	2.24	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.713	0.391	1.5	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.762	0.407	1.58	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	0.896	0.451	1.8	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.746	0.4	1.55	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	0.997	0.476	1.95	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	0.891	0.392	1.68	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	0.861	0.408	1.68	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	0.963	0.457	1.88	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.11	0.454	2.02	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.17	0.484	2.14	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.06	0.479	2.02	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	0.85	0.403	1.66	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.11	0.491	2.09	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.83	0.416	1.66	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	0.938	0.502	1.94	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.05	0.452	1.95	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	0.832	0.419	1.67	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	0.954	0.383	1.72	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.42	0.613	2.64	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	1.1	0.495	2.09	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.09	0.493	2.08	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.2	0.683	2.57	

\* = PQL adjusted to the MBCV.

**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2018-163  
**Lab Sample ID:** 11434001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135189  
**Batch ID:** 35981  
**Run Date:** 10/26/2017 08:12  
**Data File:** d25oct17a\_2-5  
**Prep Batch:** 35978  
**Prep Date:** 20-OCT-17

**Client:** LANL001  
**Date Collected:** 09/29/2017 00:04  
**Date Received:** 10/05/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 929.8 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	108	108	pg/L	108
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**

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**SDG Number:** 2018-163  
**Lab Sample ID:** 11434001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135189  
**Batch ID:** 35981  
**Run Date:** 10/26/2017 08:12  
**Data File:** d25oct17a\_2-5  
**Prep Batch:** 35978  
**Prep Date:** 20-OCT-17

**Client:** LANL001  
**Date Collected:** 09/29/2017 00:04  
**Date Received:** 10/05/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 929.8 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		29.6	26.3	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		33.9	31.7	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	23.4	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		56.2	54.2	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  
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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2018-163  
**Lab Sample ID:** 11434001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135189  
**Batch ID:** 35981  
**Run Date:** 10/26/2017 08:12  
**Data File:** d25oct17a\_2-5  
**Prep Batch:** 35978  
**Prep Date:** 20-OCT-17

**Client:** LANL001  
**Date Collected:** 09/29/2017 00:04  
**Date Received:** 10/05/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 929.8 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	U	21.5	21.5	pg/L	21.5
60145-20-2	PCB-83	U	21.5	21.5	pg/L	21.5
52663-60-2	PCB-84	U	21.5	21.5	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	105	103	pg/L	64.5
52663-61-3	PCB-92		24.7	22.1	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		64.2	61.5	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		57.8	54.7	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		57.1	55.2	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	177	175	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		96.1	94.3	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  
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**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

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**SDG Number:** 2018-163  
**Lab Sample ID:** 11434001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135189  
**Batch ID:** 35981  
**Run Date:** 10/26/2017 08:12  
**Data File:** d25oct17a\_2-5  
**Prep Batch:** 35978  
**Prep Date:** 20-OCT-17

**Client:** LANL001  
**Date Collected:** 09/29/2017 00:04  
**Date Received:** 10/05/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 929.8 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	49.1	46.8	pg/L	43.0
PCB-129-163	PCB-138/163/129	C	350	347	pg/L	64.5
52663-66-8	PCB-130	U	21.5	21.5	pg/L	21.5
61798-70-7	PCB-131	U	21.5	21.5	pg/L	21.5
38380-05-1	PCB-132		84.3	81.1	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	93.5	91.6	pg/L	43.0
38411-22-2	PCB-136	U	21.9	21.5	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		49.2	46.5	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		43.3	40.6	pg/L	21.5
PCB-147/149	PCB-147/149	C	211	208	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	262	260	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	CU	43	43	pg/L	43.0
74472-42-7	PCB-158		25.2	23.3	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		29.3	27.3	pg/L	21.5

**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**

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**SDG Number:** 2018-163  
**Lab Sample ID:** 11434001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135189  
**Batch ID:** 35981  
**Run Date:** 10/26/2017 08:12  
**Data File:** d25oct17a\_2-5  
**Prep Batch:** 35978  
**Prep Date:** 20-OCT-17

**Client:** LANL001  
**Date Collected:** 09/29/2017 00:04  
**Date Received:** 10/05/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 929.8 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	U	21.5	21.5	pg/L	21.5
32774-16-6	PCB-169	U	21.5	21.5	pg/L	21.5
35065-30-6	PCB-170		90.5	88.3	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		103	100	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		57.4	55	pg/L	21.5
52663-67-9	PCB-178	U	21.5	21.5	pg/L	21.5
52663-64-6	PCB-179		33.5	32	pg/L	21.5
PCB-180/193	PCB-193/180	CU	43	43	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	51.4	49.2	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		118	117	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	21.6	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		45.1	43.1	pg/L	21.5
52663-78-2	PCB-195	U	21.5	21.5	pg/L	21.5
42740-50-1	PCB-196	U	21.5	21.5	pg/L	21.5
PCB-197/200	PCB-197/200	CU	43	43	pg/L	43.0
PCB-198/199	PCB-198/199	C	47.4	45.3	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		27.4	25.4	pg/L	21.5

**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**

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**SDG Number:** 2018-163  
**Lab Sample ID:** 11434001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135189  
**Batch ID:** 35981  
**Run Date:** 10/26/2017 08:12  
**Data File:** d25oct17a\_2-5  
**Prep Batch:** 35978  
**Prep Date:** 20-OCT-17

**Client:** LANL001  
**Date Collected:** 09/29/2017 00:04  
**Date Received:** 10/05/2017 09:45  
  
**Method:** EPA Method 1668C  
**Analyst:** MLS  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 929.8 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	0	0	pg/L	
25323-68-6	Total Tri PCBs	U	0	0	pg/L	
26914-33-0	Total Tetra PCBs		143	112	pg/L	
25429-29-2	Total Penta PCBs		582	566	pg/L	
26601-64-9	Total Hexa PCBs		1220	1170	pg/L	
28655-71-2	Total Hepta PCBs		476	441	pg/L	
55722-26-4	Total Octa PCBs		120	114	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		2540	2410	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		995	2150	pg/L	46.3	(5%-145%)
13C-3-MoCB		1140	2150	pg/L	53.2	(5%-145%)
13C-4-DiCB		1410	2150	pg/L	65.7	(5%-145%)
13C-15-DiCB		2190	2150	pg/L	102	(5%-145%)
13C-19-TrCB		1940	2150	pg/L	90.0	(5%-145%)
13C-37-TrCB		1910	2150	pg/L	88.7	(5%-145%)
13C-54-TeCB		1300	2150	pg/L	60.5	(5%-145%)
13C-77-TeCB		2240	2150	pg/L	104	(10%-145%)
13C-81-TeCB		2200	2150	pg/L	102	(10%-145%)
13C-104-PeCB		1630	2150	pg/L	75.8	(10%-145%)
13C-105-PeCB		1670	2150	pg/L	77.8	(10%-145%)
13C-114-PeCB		1650	2150	pg/L	76.7	(10%-145%)
13C-118-PeCB		1670	2150	pg/L	77.5	(10%-145%)
13C-123-PeCB		1700	2150	pg/L	79.0	(10%-145%)
13C-126-PeCB		1790	2150	pg/L	83.3	(10%-145%)
13C-155-HxCB		1650	2150	pg/L	76.6	(10%-145%)
13C-156-HxCB	C	3140	4300	pg/L	73.1	(10%-145%)
13C-167-HxCB		1590	2150	pg/L	73.8	(10%-145%)
13C-169-HxCB		1740	2150	pg/L	81.0	(10%-145%)
13C-188-HpCB		1730	2150	pg/L	80.3	(10%-145%)
13C-189-HpCB		1530	2150	pg/L	71.3	(10%-145%)
13C-202-OcCB		1690	2150	pg/L	78.4	(10%-145%)
13C-205-OcCB		1990	2150	pg/L	92.6	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

<b>SDG Number:</b> 2018-163	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11434001	<b>Date Collected:</b> 09/29/2017 00:04	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 10/05/2017 09:45	
<b>Client ID:</b> WT_IPC-17-135189		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 35981	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 10/26/2017 08:12	<b>Analyst:</b> MLS	<b>Instrument:</b> HRP875
<b>Data File:</b> d25oct17a_2-5		<b>Dilution:</b> 1
<b>Prep Batch:</b> 35978	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 20-OCT-17	<b>Prep Aliquot:</b> 929.8 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			2250	2150	pg/L	105      (10%-145%)
13C-208-NoCB			1940	2150	pg/L	90.1      (10%-145%)
13C-209-DeCB			2280	2150	pg/L	106      (10%-145%)
13C-28-TrCB			1160	2150	pg/L	54.0      (5%-145%)
13C-111-PeCB			1870	2150	pg/L	86.8      (10%-145%)
13C-178-HpCB			1950	2150	pg/L	90.8      (10%-145%)

**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-NOV-17 to 30-NOV-17*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	1.24	0.607	2.46	
3-Chlorobiphenyl (2)	pg/L	1.27	0.462	2.2	
4-Chlorobiphenyl (3)	pg/L	1.22	0.36	1.94	
2,2'-Dichlorobiphenyl (4)	pg/L	4.42	1.88	8.19	
2,3-Dichlorobiphenyl (5)	pg/L	3.42	1.59	6.6	
2,3'-Dichlorobiphenyl (6)	pg/L	2.74	1.29	5.31	
2,4-Dichlorobiphenyl (7)	pg/L	2.89	1.36	5.61	
2,4'-Dichlorobiphenyl (8)	pg/L	2.48	1.16	4.8	
2,5-Dichlorobiphenyl (9)	pg/L	3.07	1.43	5.92	
2,6-Dichlorobiphenyl (10)	pg/L	2.49	1.01	4.5	
3,3'-Dichlorobiphenyl (11)	pg/L	5.31	4.06	13.4	
3,4-Dichlorobiphenyl (12)	pg/L	3.01	1.49	5.99	
3,5-Dichlorobiphenyl (14)	pg/L	2.87	1.39	5.64	
4,4'-Dichlorobiphenyl (15)	pg/L	3.14	1.58	6.29	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.53	0.263	2.05	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.49	0.196	1.88	
2,2',5-Trichlorobiphenyl (18)	pg/L	1.22	0.167	1.55	
2,2',6-Trichlorobiphenyl (19)	pg/L	1.81	0.291	2.39	
2,3,3'-Trichlorobiphenyl (20)	pg/L	1.02	0.134	1.29	
2,3,4-Trichlorobiphenyl (21)	pg/L	0.988	0.147	1.28	
2,3,4'-Trichlorobiphenyl (22)	pg/L	1.05	0.153	1.35	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.04	0.158	1.35	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.11	0.146	1.4	
2,3',4-Trichlorobiphenyl (25)	pg/L	0.921	0.14	1.2	
2,3',5-Trichlorobiphenyl (26)	pg/L	1	0.137	1.27	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.06	0.139	1.34	
2,4',5-Trichlorobiphenyl (31)	pg/L	0.947	0.132	1.21	
2,4',6-Trichlorobiphenyl (32)	pg/L	0.966	0.13	1.23	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.06	0.138	1.33	
3,3',4-Trichlorobiphenyl (35)	pg/L	1.14	0.246	1.63	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.03	0.202	1.43	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.16	0.232	1.63	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.09	0.23	1.54	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.04	0.224	1.49	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.47	0.207	1.88	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	1.77	0.231	2.23	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	1.64	0.269	2.17	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	1.89	0.351	2.59	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.46	0.197	1.86	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	0.928	0.145	1.22	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	0.967	0.163	1.29	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	1.57	0.198	1.97	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.37	0.18	1.73	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	0.879	0.143	1.17	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	1.51	0.176	1.86	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	0.764	0.119	1	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-NOV-17 to 30-NOV-17*

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	1.03	0.328	1.69	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	1.05	0.317	1.68	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	0.971	0.293	1.56	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	0.992	0.281	1.55	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	1.18	0.151	1.49	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	1.02	0.312	1.64	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	0.975	0.288	1.55	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	0.916	0.26	1.44	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	1.18	0.154	1.48	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	0.932	0.273	1.48	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	0.885	0.266	1.42	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	0.919	0.263	1.45	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	0.934	0.268	1.47	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1.24	0.154	1.55	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	0.99	0.271	1.53	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	0.987	0.299	1.59	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	0.87	0.255	1.38	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	0.872	0.264	1.4	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	0.965	0.272	1.51	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	1.15	0.208	1.56	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	1.15	0.208	1.57	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	1.14	0.21	1.56	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	0.848	0.156	1.16	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	0.897	0.167	1.23	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	1.05	0.186	1.43	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	1.08	0.197	1.47	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	0.906	0.172	1.25	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	1.03	0.203	1.44	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.03	0.176	1.38	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	1.13	0.209	1.55	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	1.01	0.178	1.36	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	0.525	0.142	0.809	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.09	0.205	1.5	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	0.929	0.181	1.29	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	0.96	0.173	1.31	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	0.536	0.16	0.856	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	0.914	0.249	1.41	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	0.862	0.265	1.39	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	0.753	0.196	1.14	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	0.85	0.237	1.32	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	0.82	0.152	1.12	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	0.784	0.142	1.07	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	0.782	0.163	1.11	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	0.906	0.244	1.39	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	0.863	0.242	1.35	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	0.738	0.141	1.02	

# Blank Population Summary

Method 1668 HRMS Aqueous Analysis for 01-NOV-17 to 30-NOV-17

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	0.794	0.158	1.11	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	0.885	0.249	1.38	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	0.863	0.236	1.34	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.04	0.327	1.69	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	0.84	0.244	1.33	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	0.909	0.127	1.16	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	0.966	0.132	1.23	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	1.11	0.165	1.44	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	1.19	0.166	1.52	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	1.13	0.15	1.43	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	1.05	0.148	1.35	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	1.26	0.16	1.58	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	0.722	0.103	0.927	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.54	0.0759	0.692	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.01	0.155	1.32	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	0.987	0.136	1.26	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.02	0.151	1.32	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	1.13	0.166	1.46	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	1.06	0.168	1.39	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	0.693	0.102	0.897	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.57	0.0811	0.732	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	0.87	0.116	1.1	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	0.981	0.137	1.26	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	0.714	0.0992	0.912	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.559	0.0833	0.726	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.533	0.0726	0.678	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	0.819	0.116	1.05	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	0.622	0.0926	0.807	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.515	0.0723	0.66	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	0.887	0.263	1.41	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	0.724	0.103	0.93	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	0.651	0.181	1.01	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	0.874	0.141	1.16	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	0.792	0.114	1.02	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	0.662	0.175	1.01	
2,3,3',4',5',6-Hexachlorobiphenyl (164)	pg/L	0.819	0.127	1.07	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	0.861	0.118	1.1	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	0.658	0.182	1.02	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	0.741	0.243	1.23	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	0.933	0.186	1.3	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	0.906	0.164	1.23	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	0.909	0.167	1.24	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	0.869	0.148	1.17	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	0.76	0.197	1.15	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	0.593	0.146	0.885	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	0.909	0.172	1.25	

# Blank Population Summary

*Method 1668 HRMS Aqueous Analysis for 01-NOV-17 to 30-NOV-17*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	0.8	0.21	1.22	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	0.586	0.147	0.879	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	0.768	0.152	1.07	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	0.873	0.166	1.21	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	0.757	0.198	1.15	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	0.83	0.16	1.15	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.582	0.138	0.859	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	0.629	0.156	0.942	
2,2',3,4,5,5',6-Heptachlorobiphenyl (187)	pg/L	0.74	0.19	1.12	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.62	0.144	0.908	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	0.783	0.202	1.19	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	0.729	0.151	1.03	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	0.692	0.137	0.965	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	0.76	0.146	1.05	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	0.851	0.241	1.33	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	0.899	0.232	1.36	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	0.805	0.237	1.28	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	0.624	0.19	1	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	0.834	0.244	1.32	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.6	0.186	0.972	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	0.671	0.207	1.08	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	0.79	0.233	1.26	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	0.606	0.189	0.984	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	0.719	0.248	1.22	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	1.13	0.377	1.88	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	0.84	0.279	1.4	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	0.812	0.265	1.34	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	0.912	0.441	1.79	

\* = PQL adjusted to the MBCV.



**PCB Congeners**  
**Certificate of Analysis**  
**Sample Summary**

Page 1 of 7

**SDG Number:** 2018-428  
**Lab Sample ID:** 11504001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135528  
**Batch ID:** 36113  
**Run Date:** 11/10/2017 13:51  
**Data File:** d09nov17a\_3-6  
**Prep Batch:** 36110  
**Prep Date:** 05-NOV-17

**Client:** LANL001  
**Date Collected:** 10/05/2017 18:48  
**Date Received:** 10/13/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 919 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	U	109	109	pg/L	109
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	C	46.2	44.7	pg/L	43.5
38444-73-4	PCB-19	U	21.8	21.8	pg/L	21.8
PCB-20/28	PCB-20/28	C	148	147	pg/L	43.5
PCB-21/33	PCB-21/33	CU	43.5	43.5	pg/L	43.5
38444-85-8	PCB-22		51.3	49.9	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		157	156	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		117	115	pg/L	21.8

**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**

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**SDG Number:** 2018-428  
**Lab Sample ID:** 11504001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135528  
**Batch ID:** 36113  
**Run Date:** 11/10/2017 13:51  
**Data File:** d09nov17a\_3-6  
**Prep Batch:** 36110  
**Prep Date:** 05-NOV-17

**Client:** LANL001  
**Date Collected:** 10/05/2017 18:48  
**Date Received:** 10/13/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 919 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	C	153	151	pg/L	43.5
52663-59-9	PCB-41	U	21.8	21.8	pg/L	21.8
36559-22-5	PCB-42		98.5	96.3	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	C	442	440	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		54.0	52.1	pg/L	21.8
PCB-49/69	PCB-69/49	C	263	261	pg/L	43.5
PCB-50/53	PCB-50/53	CU	43.5	43.5	pg/L	43.5
35693-99-3	PCB-52		482	480	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		392	391	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		186	184	pg/L	21.8
PCB-61-76	PCB-61/76/70/74	C	1080	1070	pg/L	87.1
74472-34-7	PCB-63	U	21.8	21.8	pg/L	21.8
52663-58-8	PCB-64		189	188	pg/L	21.8
32598-10-0	PCB-66		650	648	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		125	124	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:**

**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**

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**SDG Number:** 2018-428  
**Lab Sample ID:** 11504001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135528  
**Batch ID:** 36113  
**Run Date:** 11/10/2017 13:51  
**Data File:** d09nov17a\_3-6  
**Prep Batch:** 36110  
**Prep Date:** 05-NOV-17

**Client:** LANL001  
**Date Collected:** 10/05/2017 18:48  
**Date Received:** 10/13/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 919 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		118	116	pg/L	21.8
60145-20-2	PCB-83		50.5	49	pg/L	21.8
52663-60-2	PCB-84		157	155	pg/L	21.8
PCB-85-117	PCB-117/116/85	C	187	186	pg/L	65.3
PCB-86-125	PCB-86/87/97/109/119/125	C	574	573	pg/L	131
PCB-88/91	PCB-88/91	CU	43.5	43.5	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	737	736	pg/L	65.3
52663-61-3	PCB-92		123	122	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		532	530	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		351	350	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		457	456	pg/L	21.8
70424-69-0	PCB-106	U	21.8	21.8	pg/L	21.8
70424-68-9	PCB-107		54.1	53	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	1130	1130	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		695	694	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:**

**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**

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**SDG Number:** 2018-428  
**Lab Sample ID:** 11504001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135528  
**Batch ID:** 36113  
**Run Date:** 11/10/2017 13:51  
**Data File:** d09nov17a\_3-6  
**Prep Batch:** 36110  
**Prep Date:** 05-NOV-17

**Client:** LANL001  
**Date Collected:** 10/05/2017 18:48  
**Date Received:** 10/13/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 919 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	200	199	pg/L	43.5
PCB-129-163	PCB-138/163/129	C	1760	1760	pg/L	65.3
52663-66-8	PCB-130		82.7	81.3	pg/L	21.8
61798-70-7	PCB-131	U	21.8	21.8	pg/L	21.8
38380-05-1	PCB-132		479	477	pg/L	21.8
35694-04-3	PCB-133	U	21.8	21.8	pg/L	21.8
52704-70-8	PCB-134		60.1	58.6	pg/L	21.8
PCB-135/151	PCB-151/135	C	648	647	pg/L	43.5
38411-22-2	PCB-136		176	176	pg/L	21.8
35694-06-5	PCB-137		39.4	38.1	pg/L	21.8
PCB-139/140	PCB-139/140	CU	43.5	43.5	pg/L	43.5
52712-04-6	PCB-141		373	371	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		72.8	71.9	pg/L	21.8
74472-40-5	PCB-145	U	21.8	21.8	pg/L	21.8
51908-16-8	PCB-146		210	209	pg/L	21.8
PCB-147/149	PCB-147/149	C	1450	1450	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	1530	1520	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	141	139	pg/L	43.5
74472-42-7	PCB-158		138	137	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		133	132	pg/L	21.8

**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**

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**SDG Number:** 2018-428  
**Lab Sample ID:** 11504001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135528  
**Batch ID:** 36113  
**Run Date:** 11/10/2017 13:51  
**Data File:** d09nov17a\_3-6  
**Prep Batch:** 36110  
**Prep Date:** 05-NOV-17

**Client:** LANL001  
**Date Collected:** 10/05/2017 18:48  
**Date Received:** 10/13/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 919 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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		61.2	60.2	pg/L	21.8
32774-16-6	PCB-169	U	21.8	21.8	pg/L	21.8
35065-30-6	PCB-170		685	683	pg/L	21.8
PCB-171/173	PCB-173/171	C	202	201	pg/L	43.5
52663-74-8	PCB-172		141	140	pg/L	21.8
38411-25-5	PCB-174		935	933	pg/L	21.8
40186-70-7	PCB-175		27.2	26.1	pg/L	21.8
52663-65-7	PCB-176		87.4	86.5	pg/L	21.8
52663-70-4	PCB-177		473	472	pg/L	21.8
52663-67-9	PCB-178		176	175	pg/L	21.8
52663-64-6	PCB-179		347	346	pg/L	21.8
PCB-180/193	PCB-193/180	C	1850	1850	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	533	532	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		1070	1070	pg/L	21.8
74487-85-7	PCB-188	U	21.8	21.8	pg/L	21.8
39635-31-9	PCB-189		24.6	23.4	pg/L	21.8
41411-64-7	PCB-190		160	159	pg/L	21.8
74472-50-7	PCB-191		26.5	25.6	pg/L	21.8
74472-51-8	PCB-192	U	21.8	21.8	pg/L	21.8
35694-08-7	PCB-194		452	451	pg/L	21.8
52663-78-2	PCB-195		182	180	pg/L	21.8
42740-50-1	PCB-196		217	216	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	529	528	pg/L	43.5
40186-71-8	PCB-201		55.5	54.5	pg/L	21.8
2136-99-4	PCB-202		96.9	95.8	pg/L	21.8
52663-76-0	PCB-203		320	319	pg/L	21.8

**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**

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**SDG Number:** 2018-428  
**Lab Sample ID:** 11504001  
**Client Sample:** 1668C Water  
**Client ID:** WT\_IPC-17-135528  
**Batch ID:** 36113  
**Run Date:** 11/10/2017 13:51  
**Data File:** d09nov17a\_3-6  
**Prep Batch:** 36110  
**Prep Date:** 05-NOV-17

**Client:** LANL001  
**Date Collected:** 10/05/2017 18:48  
**Date Received:** 10/13/2017 10:00  
  
**Method:** EPA Method 1668C  
**Analyst:** CLP  
  
**Prep Method:** SW846 3520C  
**Prep Aliquot:** 919 mL

**Project:** LANL00112  
**Matrix:** WATER  
  
**Prep Basis:** As Received  
  
**Instrument:** HRP875  
**Dilution:** 1  
**Prep SOP Ref:** CF-OA-E-001

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	22.8	21.8	pg/L	21.8
40186-72-9	PCB-206		109	107	pg/L	21.8
52663-79-3	PCB-207	U	21.8	21.8	pg/L	21.8
52663-77-1	PCB-208		24.0	22.6	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		519	512	pg/L	
26914-33-0	Total Tetra PCBs		4110	4090	pg/L	
25429-29-2	Total Penta PCBs		5170	5150	pg/L	
26601-64-9	Total Hexa PCBs		7550	7530	pg/L	
28655-71-2	Total Hepta PCBs		6730	6710	pg/L	
55722-26-4	Total Octa PCBs		1880	1840	pg/L	
53742-07-7	Total Nona PCBs		133	130	pg/L	
DECACB(Tot)	Total Deca PCB	U	0	0	pg/L	
1336-36-3	Total PCB Congeners		26100	26000	pg/L	

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		1280	2180	pg/L	58.7	(5%-145%)
13C-3-MoCB		1400	2180	pg/L	64.4	(5%-145%)
13C-4-DiCB		1310	2180	pg/L	60.1	(5%-145%)
13C-15-DiCB		2340	2180	pg/L	108	(5%-145%)
13C-19-TrCB		1950	2180	pg/L	89.8	(5%-145%)
13C-37-TrCB		2050	2180	pg/L	94.1	(5%-145%)
13C-54-TeCB		1170	2180	pg/L	53.9	(5%-145%)
13C-77-TeCB		1980	2180	pg/L	90.8	(10%-145%)
13C-81-TeCB		2010	2180	pg/L	92.5	(10%-145%)
13C-104-PeCB		1500	2180	pg/L	69.0	(10%-145%)
13C-105-PeCB		1830	2180	pg/L	84.1	(10%-145%)
13C-114-PeCB		1800	2180	pg/L	82.7	(10%-145%)
13C-118-PeCB		1810	2180	pg/L	83.2	(10%-145%)
13C-123-PeCB		1860	2180	pg/L	85.5	(10%-145%)
13C-126-PeCB		1830	2180	pg/L	84.0	(10%-145%)
13C-155-HxCB		1640	2180	pg/L	75.4	(10%-145%)
13C-156-HxCB	C	3330	4350	pg/L	76.6	(10%-145%)
13C-167-HxCB		1720	2180	pg/L	79.0	(10%-145%)
13C-169-HxCB		1800	2180	pg/L	82.5	(10%-145%)
13C-188-HpCB		1860	2180	pg/L	85.6	(10%-145%)
13C-189-HpCB		1660	2180	pg/L	76.1	(10%-145%)
13C-202-OcCB		1860	2180	pg/L	85.3	(10%-145%)
13C-205-OcCB		2210	2180	pg/L	101	(10%-145%)

**PCB Congeners  
Certificate of Analysis  
Sample Summary**

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<b>SDG Number:</b> 2018-428	<b>Client:</b> LANL001	<b>Project:</b> LANL00112
<b>Lab Sample ID:</b> 11504001	<b>Date Collected:</b> 10/05/2017 18:48	<b>Matrix:</b> WATER
<b>Client Sample:</b> 1668C Water	<b>Date Received:</b> 10/13/2017 10:00	
<b>Client ID:</b> WT_IPC-17-135528		<b>Prep Basis:</b> As Received
<b>Batch ID:</b> 36113	<b>Method:</b> EPA Method 1668C	
<b>Run Date:</b> 11/10/2017 13:51	<b>Analyst:</b> CLP	<b>Instrument:</b> HRP875
<b>Data File:</b> d09nov17a_3-6		<b>Dilution:</b> 1
<b>Prep Batch:</b> 36110	<b>Prep Method:</b> SW846 3520C	<b>Prep SOP Ref:</b> CF-OA-E-001
<b>Prep Date:</b> 05-NOV-17	<b>Prep Aliquot:</b> 919 mL	

CAS No.	Parmname	Qual	Result	MBCR	Units	PQL
<b>Surrogate/Tracer recovery</b>						
		<b>Qual</b>	<b>Result</b>	<b>Nominal</b>	<b>Units</b>	<b>Recovery%      Acceptable Limits</b>
13C-206-NoCB			2410	2180	pg/L	111      (10%-145%)
13C-208-NoCB			2050	2180	pg/L	94.1      (10%-145%)
13C-209-DeCB			2120	2180	pg/L	97.6      (10%-145%)
13C-28-TrCB			1620	2180	pg/L	74.3      (5%-145%)
13C-111-PeCB			1980	2180	pg/L	90.8      (10%-145%)
13C-178-HpCB			1880	2180	pg/L	86.5      (10%-145%)

**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.