

# 2022 Update to the Site Discharge Pollution Prevention Plan

NPDES Permit No. NM0030759  
May 1, 2023

## Overview





CERTIFICATION


NEWPORT NEWS NUCLEAR BWXT-LOS ALAMOS, LLC

NPDES Permit No. NM0030759

2022 UPDATE TO THE SITE DISCHARGE POLLUTION PREVENTION PLAN

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."

  
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Troy Thomson, Program Manager  
Environmental Remediation  
Newport News Nuclear BWXT-Los Alamos, LLC

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3/23/23

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Date

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M. Lee Bishop, Director  
Office of Quality and Regulatory Compliance  
U.S. Department of Energy  
Environmental Management  
Los Alamos Field Office

\_\_\_\_\_  
Date



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## 1.0 Background

### 1.1 Individual Permit

DOE and N3B, collectively the Permittees, have prepared this annual update to the Site Discharge Pollution Prevention Plan (hereafter, the SDPPP Update) for the Individual Stormwater Permit pursuant to the requirements of NPDES Permit No. NM0030759 (hereafter, the Individual Permit or Permit or IP), as authorized by EPA. The SDPPP Update includes this overview as well as five volumes addressing the watersheds covered under the IP.

This overview includes information pertaining to all five watershed-based SDPPP Update volumes and describes the updated information that is new this year. Appendices to the Overview include

- Appendix A: Acronyms and Glossary (note that acronyms are not defined at first use in the text),
- Appendix B: Analytical Monitoring Results,
- Appendix C: Precipitation Data,
- Appendix D: Control Measures,
- Appendix E: Compliance Status Reports,
- Appendix F: Update Chapters for 14 Site Monitoring Areas Permitted under the 2010 Individual Permit that are no longer Permitted under the 2022 Individual Permit, throughout the report,
- Appendix G: Wetland Descriptions, and
- Appendix H: References.

The IP regulates stormwater discharges associated with historical industrial activities from permitted SWMUs and/or AOCs (collectively, Sites). The majority of the Sites covered by the IP are remotely located and are not associated with current industrial activities. Stormwater discharges associated with current conventional industrial activities at the Laboratory are excluded from the IP. The 2010 Permit, NPDES No. NM0030759, became effective on November 1, 2010, and was administratively continued from November 2015 through July 31, 2022. The 2022 Permit, NPDES No. NM0030759, which incorporates the latest modifications, became effective on August 1, 2022.

LANS and DOE were co-Permittees on the IP from 2010 to April 29, 2018. Through the M&O contract, LANS was delegated responsibility for implementing a program to sustain compliance with the IP. Effective April 30, 2018, N3B replaced LANS as a co-Permittee on the IP. EM-LA provided notice to EPA and NMED of its updated points of contact for the IP and delegations of authority pursuant to 40 CFR Part 122.22 in November 2018. N3B now facilitates implementation of the IP at LANL. EM-LA participates in decisions affecting compliance of the IP and performs contractor oversight of IP field activities to support certification of controls and deliverables to EPA. The Permittees submitted an Individual Permit renewal application package in July 2019. A draft permit was received from EPA on November 27, 2019. The public comment period ended on November 2, 2020. NMED-SWQB issued a state certification with conditions for the draft permit on November 30, 2020. The Permittees submitted a petition for review of the state certification to NMED on December 30, 2020, and submitted comments on the state certification to EPA and NMED-SWQB on January 12, 2021. The Permittees entered discussions with NMED regarding the state certification and on December 30, 2021, a settlement agreement was signed by NMED and the Permittees. The final 2022 Permit was issued by EPA on June 29, 2022, and became effective on August 1, 2022. A minor modification to address administrative changes was issued on September 8, 2022.



The 2022 IP was issued during the Permittees' monitoring season. Permit changes were implemented on August 1, 2022, with the exception of compliance status and stormwater sampling plans. All discussion of stormwater monitoring, compliance phases, compliance status, TAL exceedances, and analytical data in this SDPPP Update are presented under the 2010 IP requirements. In 2023 these requirements will all be updated as described in the "2022 Annual Sampling Implementation Plan, NPDES Permit No. NM0030759," (N3B 2023, 702608) (hereafter the SIP).

The Sites regulated under this Permit are a subset of the SWMUs and AOCs that are addressed under the June 2016 Compliance Order on Consent (Consent Order) modified February 2017. The Consent Order fulfills the corrective action requirements under Sections 3004(u) and (v) and 3008(h) of the RCRA for releases of hazardous waste or hazardous waste constituents from SWMUs and AOCs.

- A SWMU is any discernible unit at which solid waste has been placed at any time, and from which NMED determines there may be a risk of a release of hazardous waste or hazardous waste constituents, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at which solid wastes have been routinely and systematically released but do not include areas, structures, or buildings experiencing one-time spills.
- An AOC is any area having a known or suspected release of hazardous waste or hazardous constituents that is not from a SWMU and that may pose a current or potential threat to human health or the environment. An AOC may include buildings and structures at which releases of hazardous waste or constituents were not remediated, including one-time and accidental spills.

All SWMUs and AOCs regulated under the Consent Order were evaluated for inclusion in the Permit based on the following criteria:

1. The SWMU/AOC is exposed to stormwater (e.g., not capped or subsurface).
2. The SWMU/AOC may contain significant industrial material (e.g., has not been cleaned up or has contamination in place).
3. Industrial materials from the SWMU/AOC could potentially impact waters of the United States.

The Individual Permit categorizes a Site as having had an "industrial activity" that creates a "point source discharge" and directs the Permittees to monitor representative stormwater discharges from Sites at specified sampling points known as SMAs. An SMA is a single drainage area within a sub-watershed, and may extend across more than one Site. Stormwater from a Site may drain to multiple sub-watersheds and may be associated with multiple SMAs.

The selection of analytical monitoring suites and Site priority designations in the 2010 IP was based on historical information and any stormwater, sediment, and soil data available at the time the 2010 Permit application was submitted. The investigation and remediation of SWMUs and AOCs began during the 1990s, before the effective date of the IP, and continues concurrently with implementation of the IP.

The IP contains nonnumeric technology-based effluent limitations, coupled with a comprehensive, coordinated inspection and monitoring program, to minimize pollutants in the Permittees' stormwater discharges associated with historical industrial activities from specified SWMUs and AOCs. The Permittees are required to implement Site-specific control measures (including BMPs) to address the nonnumeric technology-based effluent limits, as necessary, to reduce or minimize pollutants in their stormwater discharges to the extent achievable.



The Permit establishes TALs that are based on New Mexico water-quality criteria. These TALs 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. This annual SDPPP Update uses the TALs defined in the 2010 IP, which are included in Appendix B, Table B-3. If one or more confirmation monitoring results exceed a TAL, the Permittees must take corrective action through the installation of measures reasonably expected to

1. meet applicable TALs at the Site,
2. achieve total retention of stormwater discharges from the Site, or
3. totally eliminate exposure of pollutants to stormwater; otherwise, the Permittees must demonstrate the Site has a CoC under the Consent Order.

The 2010 IP required that the Permittees certify to EPA completion of corrective action at each Site by a specific deadline based upon the Site's status as either a high priority or moderate priority Site. The SMAs monitored in 2022 are listed under the status Baseline Monitoring Extended, Enhanced Control Corrective Action Monitoring, or "Monitoring . . . after Certification of No Exposure" listed in Table 1. Only SMAs from which enough stormwater was collected or which were functioning properly to collect stormwater for analysis under the 2010 IP requirements during 2022 have analytical data included in this SDPPP update. Any analytical data from samples collected during 2022 that may have been processed under the 2022 IP requirements (e.g., partial volume was collected for analysis) will be included in the future 2023 SIP update as applicable. In addition, Section 3 of this overview explains each monitoring status in more detail.

Where the Permittees have installed measures to minimize pollutants in their stormwater discharges as required by the 2010 IP Part I.A at a Site or Sites, but are unable to certify completion of corrective action under Parts E.2(a) through E.2(d) (individually or collectively), the Permittees may submit an alternative compliance request to EPA. If EPA grants the alternative compliance request in whole or in part, it will issue a new individually tailored work plan for the Site or Sites. EPA will also extend the compliance deadline for completion of corrective action, as necessary, to implement this work plan. Corrective action will be accomplished on a case-by-case basis pursuant to an individually tailored compliance schedule determined by EPA. Figure 1 is a road map illustrating key activities in the 2010 IP and shows the steps involved in the corrective action process implemented through 2022.

**Table 1 Summary of Confirmation Monitoring at SMAs during 2022**

Number of SMAs per Confirmation Monitoring Phase					Total SMAs
Date	Baseline Monitoring Extended	Enhanced Control Corrective Action Monitoring	Monitoring per 2010 Permit Part I.E.1(b) after Certification of No Exposure	No Confirmation Monitoring	
January 1, 2022	71	59	1	119	250
December 31, 2022	59	64	1	115	239*

\* A total of 14 SMAs were removed from the 2022 Permit and 3 SMAs were added the 2022 Permit. There are now a total of 239 SMAs.



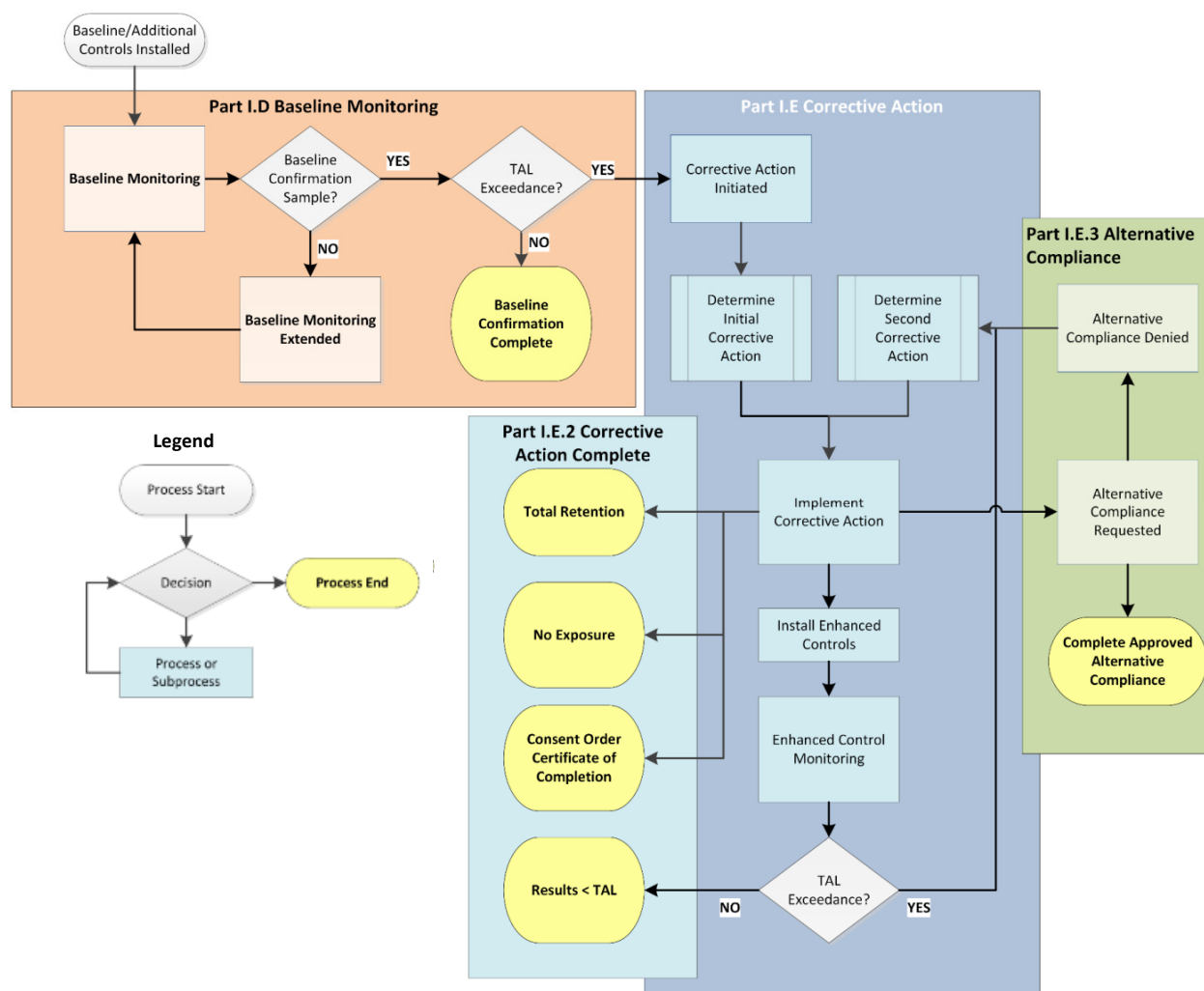


Figure 1 2010 Permit compliance road map

## 1.2 Procedures

Individual Permit procedures are reviewed and updated as needed throughout the year. Monitoring, inspection, and data validation procedures that were valid at the end of 2022 and will be used in 2023 (unless a newer version becomes available) are listed below and are available upon request to [N3BOutreach@em-la.doe.gov](mailto:N3BOutreach@em-la.doe.gov).

- N3B-AP-ER-5008, Verifying and Certifying Individual Permit Corrective Action Measures
- N3B-AP-SDM-3000, General Guidelines for Data Validation
- N3B-AP-SDM-3002, Validation of Semivolatile Organic Compounds Analytical Data
- N3B-AP-SDM-3003, Validation of Organochlorine Pesticides and Herbicides and Polychlorinated Biphenyls Analytical Data
- N3B-AP-SDM-3005, Validation of Metals Analytical Data
- N3B-AP-SDM-3006, Validation of Radiochemical Analytical Data
- N3B-AP-SDM-3007, Validation of General Chemistry Analytical Data
- N3B-AP-SDM-3008, Validation of High Explosives Analytical Data

- N3B-AP-SDM-3009, Validation of Analytical Data by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry
- N3B-AP-SDM-3012, Validation of Analytical Data by Liquid Chromatography and Liquid Chromatography/Tandem Mass Spectrometry
- N3B-AP-SDM-3014, Examination and Verification of Analytical Laboratory Data
- N3B-DI-ER-4005, Desk Instruction for Surface Water Program Monitoring
- N3B-DI-ER-4010, Desk Instruction for Managing Electronic Precipitation Data for Storm Water Projects
- N3B-GDE-ER-5013, Inspection Guidance for Environmental Programs Watershed, Retention, and No Exposure Controls
- N3B-PLN-SDM-1000, Sample and Data Management Plan
- N3B-SOP-ER-2002, Field Decontamination of Equipment
- N3B-SOP-ER-4001, Processing Surface Water Samples
- N3B-SOP-ER-4004, Installing, Setting Up, and Operating Automated Storm Water Samplers
- N3B-SOP-ER-5002, Inspection, Installation, and Maintenance of Non-Engineered NPDES Individual Permit Storm Water Control Measures
- N3B-SOP-ER-5004, Inspecting Automated Storm Water Samplers and Retrieving Samples
- N3B-SOP-SDM-1100, Sample Containers, Preservation, and Field Quality Control
- N3B-SOP-SDM-1101, Sample Control and Field Documentation
- N3B-SOP-SDM-1104, Maintaining Custody of Environmental Samples

## 1.3 Inspection Schedules

### 1.3.1 Control Measure Inspections

Part I.G.1 of the 2010 Permit required that the facility's PPT inspect and evaluate each Site annually for changes of conditions affecting erosion. While this requirement is not included in the 2022 Permit, the inspections were conducted in 2022 and are included in each SMA chapter. Annual inspections were conducted at 250 SMAs and started in June and continued through July.

Part I.G.2 of the 2010 Permit requires that the facility's PPT inspect control measures and stormwater management devices at any Site affected by a storm rain event, defined as a 0.25-in. or more intensive rain event occurring within 30 min, within 15 calendar days after such an event. Effective August 1, 2022, the 2022 Permit Part I.B.8.b updated the definition of a storm rain event to 0.50-in. or more intensive rain event occurring within 30 min. If several storms exceeding the above intensity threshold occur within 15 days from the first event, a single inspection following these storms is sufficient for compliance, provided the inspection occurs no more than 15 days from the date of the first storm.

The facility's PPT must inspect and reevaluate all Sites as soon as practicable 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.



Part I.E.1 of the 2010 Permit required that after control measures are installed, the Permittees shall conduct visual inspections of all Sites within the SMA drainage area 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 if the average of all applicable sampling results is greater than the applicable ATAL (or applicable MQL, whichever is greater). This requirement is not included in the 2022 Permit, but inspections were conducted in 2022 and they are included in each SMA chapter as applicable.

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 soil-disturbing activities are conducted within an 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.

### 1.3.2 *Sampling Equipment Inspections*

The Permit describes the procedures for collecting stormwater samples to fulfill the requirements of confirmation monitoring. The facility's PPT uses programmable Model 3700 portable samplers from Teledyne ISCO to collect stormwater. Each sampler is configured with a Model 1640 Liquid Level Actuator and is powered by a sealed rechargeable 12-V, 35-amp-hr 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 March 15, 2022, the Permittees started activating sampling equipment to continue ongoing confirmation monitoring as presented in the 2021 SDPPP Update revision 1 (N3B 2022, 701977–701982). Sampling equipment was shut down during the year as sampling requirements were fulfilled, including temporary deactivations to ensure 15 days between sample collections per the 2010 Permit Part I.D.3. This required interval between sample collections was removed from the 2022 Permit. Effective August 1, 2022, samplers were reactivated after sample collection as necessary and shut down after fulfillment of all sampling requirements had occurred. To prevent damage to equipment during the winter months and to avoid collecting snowmelt, sampler deactivation was completed on November 18, 2022. During periods when samplers were active, inspections were conducted to confirm sampler operability and to retrieve stormwater 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, preservation, and shipment to off-site subcontracted analytical laboratories.

During 2022, the Permittees continued the use of RTUs. RTUs are installed at 124 locations in the field to support the IP monitoring requirements. A total of 101 RTUs are installed at locations monitored under the IP and an additional 23 are installed at inactive locations, where they act as mesh or repeater coverage for the network. IP monitoring was conducted at 136 locations in 2022. Although not all of these 136 locations have an RTU, the RTU network provides coverage for the entire IP program, with some units acting as “canary units” because of proximity to unequipped monitoring locations. The IP RTU 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. Because of multiple technological difficulties experienced in 2022, including extended periods of power outages, system downtime, etc., IP monitoring location inspections were also prioritized based on precipitation data from the extended rain gage telemetry network. Because of the varying differences in landscapes (e.g., pervious and

impervious surfaces, developed and undeveloped areas) that drain directly to an SMA sampling point, measurable discharge can be generated from precipitation less intense than that required to trigger a post-storm inspection of control measures. To ensure that samples are retrieved within 40 CFR 136–required holding times during less intense events, samplers were inspected for the presence of stormwater on a graded precipitation intensity scale ranging from 0.1–0.25 in. within 30 min and a graded total accumulation scale ranging from 0.25–1.5 in. within 24 hr.

## 2.0 2022 Update to the Site Discharge Pollution Prevention Plan

The SDPPP Update is written for use by the Permittees’ personnel and for review by EPA and the public.

Historical industrial activities, stormwater monitoring results, and available data regarding the nature and extent of any surface contamination are carried forward from previous SDPPP updates and are also provided in the “2022 Annual Sampling Implementation Plan, NPDES Permit No. NM0030759,” (N3B 2023, 702608). New information is provided if confirmation monitoring or baseline samples were collected and where additional control measures were installed, retired, repaired, or modified in 2022. Site descriptions are updated based on Consent Order investigation results from the previous year and from planned future work. The report is intended to be a living document that is kept current throughout the year by maintaining records and relevant documents alongside the SDPPP. At the end of each field season, all changes made during the year and any projected for the coming year are incorporated into an update.

The 2010 SDPPP was published, submitted to EPA, and placed on the Individual Permit website on April 30, 2011. The following year, on May 1, 2012, the SDPPP was revised and made available on the Permit website. Revision 1 is available at <https://ext.em-la.doe.gov/IPS/Home/SDPPP/>. Since the publication of Revision 1, updates to the SDPPP have been prepared and are made available on the IP website by May 1 of each year. The 2010 Permit also required submittal of an annual report and compliance status reports to EPA on March 1 of every year from 2012 through 2022 and are available at <https://ext.em-la.doe.gov/IPS/Home/Reports/>.

The 2022 SDPPP Update, summarizing relevant information from 2022 together with the “2022 Annual Sampling Implementation Plan, NPDES Permit No. NM0030759,” (N3B 2023, 702608), was prepared to meet the requirements of Part I.E of the 2022 Individual Permit and presents the compliance status, activities, and milestones accomplished during the period from January 1 to December 31, 2022. The reporting format is designed to be web-friendly, making information about a specific Site or SMA easier to find, download, and print. Table 2 provides a crosswalk of SDPPP requirements with the location of the information.

**Table 2 SDPPP Requirements**

Part I Requirement		SDPPP Section
Part	Description	
E.1.a (1)	Site Discharge Pollution Prevention Team	2022 Update, Overview, Section 2.1, Site Discharge Pollution Prevention Team
E.1.a (2)	Site Description: <ul style="list-style-type: none"> <li>historical activities at each Site,</li> <li>precipitation information,</li> <li>general location, and</li> <li>Site maps</li> </ul>	<ul style="list-style-type: none"> <li>2022 Update, Volumes 1 to 5 (V1–5), Section xxx.1*, Site Descriptions</li> <li>2022 Update, Overview, Appendix C, Precipitation Data</li> <li>2022 Update, V1–5, Attachment 2, Vicinity Maps</li> <li>2022 Update, V1–5, Figure xxx-1, Location Map; the latest Site map can be found on the IP website—<a href="https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps">https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps</a>.</li> </ul>
E.1.a (3)	Receiving Waters and Watershed	2022 Update, Overview, Section 4.0, Guide to the Updated Information in the 2022 SDPPP, Tables 9 and 10
E.1.a (4)	Summary of Pollutant Sources	2022 Update, Overview, Section 4.1, Evaluation of Potential Pollutant Sources; 2022 Update V1–5, Section xxx.1, Site Descriptions; and 2022 SIP Table 4.1-1, Master SAP
E.1.a (5)	Description of Control Measures	2022 Update, Overview Appendix D, Control Measure Fact Sheets; 2022 Update, V1–5, Section xxx.2, Control Measures
E.1.a (6)	Schedules for Control Measure Installation	2022 Update, Overview, Section 3.1, Selecting a Compliance Path Following Corrective Action Initiation, Table 7
E.1.a (7)	Monitoring and Inspection Procedures: (a) Locations where samples are to be collected, including coordinates for sampling locations and any determination that two or more Sites are substantially identical (b) Person(s) or positions of person(s) responsible for sample collection (c) Parameters to be sampled and frequency of sampling for each parameter (d) Procedures for gathering storm event data	(a) 2022 Update, V1–5, Figure xxx-1, Location Map; The most recent maps showing SMA sampler location and coordinates for planned sampling are posted on the IP website: <a href="https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps">https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps</a> . (b) and (d) 2022 Update, Overview, Section 1.2, Monitoring and Inspection Procedures at <a href="https://ext.em-la.doe.gov/IPS/Home/SDPPP">https://ext.em-la.doe.gov/IPS/Home/SDPPP</a> . (c) 2022 SIP Table 4.1-1, Master SAP



**Table 2 (continued)**

Part I Requirement		SDPPP Section
Part	Description	
E.1.a (8)	<p>SMA maps</p> <p>(a) Location of each Site within the SMA drainage area</p> <p>(b) Coordinates and locations of the SMA samplers (with updates as adjustments occur)</p> <p>(c) Estimates of the size (in acres of the SMA and of the Site[s] within the SMA)</p> <p>(d) Any adjustments/changes to sampler locations under Parts I.B.2.a and the associated documentation for the sampler move</p> <p>(e) Coordinates and identification of any run-on sampler locations</p>	<p>(a, b, c, and e) 2022 Update, V1–5, Figure xxx-1, Location Map;</p> <p>The most recent maps showing SMA sampler location for planned sampling are posted on the IP website: <a href="https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps">https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps</a></p> <p>(d) 2022 Update, V1–5 Section xxx.4, Stormwater Monitoring; 2022 Update, Overview Table 11</p> <p>2022 Update, V1–5 Attachment 1, Amendments</p>
E.1.a (9)	<p>Annual Compliance Status Reports as specified in Part I.E.3. reporting requirements;</p> <p>(a) For each SMA (or Site), a summary of the Site-specific compliance status during the report period;</p> <p>(b) Monitoring information which shows the results available during the reporting period and that includes the following information required in (i) through (iii) below;</p> <p>(i) SMA and associated outfall and Site(s) numbers/identifications;</p> <p>(ii) Monitoring results available during the reporting period;</p> <p>(iii) Identification of POCs that exceed the applicable TAL or BTV;</p> <p>(c) Description of control measures installed during the reporting period, including the certification of completion date;</p> <p>(d) Description of corrective actions required under Permit Part D to be taken, or having been taken, including completion date or targeted completion date, and progress update;</p> <p>(e) Description of sampler maintenance and identification of all missed sample opportunities during storm rain events and the cause of missed opportunity with explanation of circumstances;</p>	<p>(a) 2022 Update, Overview, Section 3, Compliance Status Summary, Table 5</p> <p>(b,c) 2022 Update, Overview, Appendix E, Compliance Status Reports</p> <p>(c) 2022 Update, V1–5 Section xxx.2, Control Measures</p> <p>(d) 2022 Update, Overview, Section 3, Compliance Status Summary, Table 5</p> <p>(e) 2022 Update, Overview, Section 3, Compliance Status Summary, Table 5;</p> <p>2022 Update, V1–5 Section xxx.4, Stormwater Monitoring</p> <p>(f) 2022 Update, Overview, Section 2.0, Update to the Site Discharge Pollution Prevention Plan, Table 3; 2022 Update, Overview, Section 3, Compliance Status Summary, Table 6</p> <p>(g) 2022 Update, Overview, Section 2.0, Update to the Site Discharge Pollution Prevention Plan, Table 3; 2022 Update, Overview, Section 3, Compliance Status Summary, Table 6</p> <p>(h) Inspection summary: 2022 Update, V1–5, Section xxx.3, Inspections and Maintenance</p>

**Table 2 (continued)**

Part I Requirement		SDPPP Section
Part	Description	
E.1.a (9) (cont.)	(f) Highlights of any change of compliance status from the previous Annual Compliance Status Report; (g) Lists of requests, including any requests for change of monitoring location or Site deletion and any requests to place a Site or Sites into alternative compliance; and (h) A summary of inspections performed in accordance with Part I.B	
E.1.a (10)	Annual SIP as specified in Part I.E.2; Monitoring location list Monitoring requirements list	Alongside Record, 2022 SIP
E.1.a (11)	Signature Requirements	Signatures for the 2022 Update can be found after the cover page of the Overview.
E.1.b	Alongside Documentation: (1) Dates of training sessions, names of employees trained, and subject matter of training (2) Sampling reports (sampling dates, analytical results, outfall locations, name and qualification of technician) (3) Annual SIP (monitoring location lists, monitoring requirements lists including stormwater and sediment sample screening results, adjustments to annual monitoring plan, and reinitiating monitoring requirements where applicable) (4) Inspection reports (5) An accounting of and explanation of length of time taken to modify or implement additional control measures following the discovery of a deficiency or the need for modification (6) Documentation of maintenance and repairs of control measures, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, the date(s) that control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules	(1) 2022 Update, Overview, Section 2.1, Site Discharge Pollution Prevention Team; names of employees trained: N3B's Electronic Records Management System (2) 2022 Update, V1–5, Section xxx.4, Stormwater Monitoring; 2022 Update, V1–5, Figure xxx.1, Location Map; names of employees trained: N3B's Electronic Records Management System (3) Alongside Record, 2022 annual SIP document (4, 5, 6) 2022 Update, V1–5, Section xxx.3, Inspections and Maintenance; Electronic copy of inspection reports will be maintained at N3B's Electronic Records Management System.

**Table 2 (continued)**

Part I Requirement		SDPPP Section
Part	Description	
E.1.c (1)	Required Modifications: (1) Construction or 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 (2) Findings of deficiencies in control measures during inspections or based on analytical monitoring results (3) Any change of monitoring requirement or compliance status (4) Any change of SMA location (5) Summary of changes from the last year's SDPPP	(1 and 2) 2022 Update, V1–5, Section xxx.3, Inspections and Maintenance; Electronic copy of inspection reports will be maintained at N3B's Electronic Records Management System. (3) 2022 SIP Document; 2022 Overview, Section 3 Compliance Status (4) 2022 Update, V1–5, Section xxx.4, Stormwater Monitoring; 2022 Update, V1–5, Figure xxx-1, Location Map (5) 2022 Update, Overview, Section 2, Table 3, Summary of SDPPP Changes; 2022 Update, V1–5, Attachment 1, Amendments
F.1.d	SDPPP availability: Paper copy of current SDPPP to be immediately available at facility and copy of SDPPP to be made available on public website	Paper copies of the 2022 Update are available in the Program Manager's Office (Pueblo Complex) and the Public Reading Room (Pojoaque, NM). An electronic version is available in N3B's Electronic Records Management System and on the public website: <a href="https://ext.em-la.doe.gov/IPS/Home/SDPPP">https://ext.em-la.doe.gov/IPS/Home/SDPPP</a>
I.B.8(a)	Inspections (a) Significant Event Inspections (b) Post-Storm Rain Event Inspections. Adverse weather conditions shall be documented, and this information shall be maintained with the SDPPP. (c) Long-Term Stewardship Inspections. <ul style="list-style-type: none"> <li>Annually for a Permit cycle</li> <li>After 3-yr, 24-hr storm</li> </ul> (d) Inspection Reports	2022 Update, V1–5, Section xxx.3, Inspections and Maintenance; (a, c) Table xxx-x, Non-Post-Storm Inspections During 2022 (inspection type is Significant Event Inspection or Long-Term Stewardship Inspection.) (b) Table xxx-3, Post-Storm Inspections During 2022 (d) Electronic copy of inspection reports will be maintained at: N3B's Electronic Records Management System.
I.A.1(f)	Soil disturbance associated with the installation or repair of structural control measures: Steps taken to minimize discharges of contaminated runoff during remediation activity shall be included in the SDPPP Update.	2022 Update, V1–5, Section xxx.3, Inspections and Maintenance; Table xxx-x, Non-Post Storm Inspections During 2022 (inspection type is Remediation Construction Activity); Table xxx-x, Maintenance Activities Conducted During 2022
I.2	Deletion of Site: Documents to support a request of site deletion must be kept with facility's SDPPP.	All records associated with Individual Permit activities will be maintained electronically in N3B's Electronic Records Management System.



**Table 2 (continued)**

Part I Requirement		SDPPP Section
Part	Description	
I.3	Watershed Protection Approach: EPA encourages the Permittees to voluntarily install watershed-based control measures, such as sediment barriers, to mitigate sediment or stormwater runoff reaching the main channels of the canyons and/or the Rio Grande. The Permittees should include information and monitoring data regarding the installation of any such watershed-based control measures in the Annual Report or the SDPPP.	2022 Update, Overview, Section 6.0, Watershed Protection Approach
I.4	Record Keeping	All records associated with Individual Permit activities will be maintained electronically in N3B's Electronic Records Management System
I.5	Reopener: This Permit may be reopened and modified in accordance with 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.	Not yet applicable

\*The xxx refers to the section number assigned to each SMA/figure/table in the Update.

Table 3 presents a detailed summary of SDPPP changes occurring in 2022. Highlights of work performed during the 2022 reporting period include the following.

**Baseline activities: Stormwater Program staff**

- installed a total of 32 additional control measures at 21 SMAs,
- installed 3 controls to replace existing baseline control measures at 3 SMAs,
- collected baseline confirmation monitoring samples at 8 SMAs, and
- conducted baseline confirmation monitoring at 71 SMAs.

**Corrective action activities: Stormwater Program staff**

- installed and/or certified 14 controls at 5 SMAs,
- installed 7 controls to replace existing enhanced control measures at 3 SMAs,
- collected corrective action enhanced control confirmation monitoring samples at 12 SMAs, and
- conducted enhanced control confirmation monitoring at 65 SMAs.

#### Inspection activities: Stormwater Program staff

- performed a total of 1142 Permit-required inspections, including post-storm rain event inspections, annual inspections, TAL exceedance inspections, remediation construction inspections, and significant event inspections;
- performed a total of 917 sampling equipment inspections; and
- fully implemented the use of radio telemetry equipment in conjunction with automated samplers to aid in prioritizing sample collection and to improve program efficiency.

#### Compliance activities: Stormwater Program staff

- updated website,
- notified public of Permit-required documents at the Electronic Public Reading Room,
- held one public meeting,
- submitted 2021 update to the “Site Discharge Pollution Prevention Plan, Revision 1,” (N3B 2022, 701977)
- submitted “Storm Water Individual Permit Annual Report Reporting Period: January 1–December 31, 2021,” (N3B 2022, 701895)
- resubmitted certification of completion of corrective action following certificate of completion from NMED at 2 Site/SMA combinations, and
- submitted certifications of installation of enhanced control measures at 12 Site/SMA combinations.

#### Requests:

Stormwater Program staff requested alternative compliance for 36-004(d) at PT-SMA-4.2 and 16-031(a) at W-SMA-7.8 under the 2010 IP requirements in “NPDES Permit No. NM0030759 – Alternative Compliance Requests for Two Site Monitoring Area/Site Combinations Exceeding Target Action Levels from Nonpoint Sources,” (N3B 2022, 701992).

**Table 3 Summary of SDPPP Changes Completed from January 1 to December 31, 2022**

Description of Type of Change to SDPPP	Number of Changes to SDPPP Volumes for January 1–December 31, 2022, 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	64	66	53	62	25	270
Add new control – augmenting existing/baseline control	5	7	5	0	1	18
Add new control – routine/replacement control	13	4	2	3	2	24
Retire control – damaged and/or replaced control	19	4	3	3	3	32
Retire control – lifecycle-expired control	25	22	11	28	1	87
New control – corrective action control	0	0	4	3	7	14
Edits or changes to procedure documents cited	0	0	0	0	0	0
SDPPP updates to Site descriptions	104	111	58	87	40	400
Requests to EPA for Site deletion or Alternative Compliance	0	0	0	2	0	2
Minor sampler adjustments, with updates to coordinates in Figure xxx-1, Location Map	5	3	3	1	1	13
SMA boundary modifications	12	9	6	2	2	31
Site boundary modifications	6	25	5	17	1	54
Miscellaneous edits	3	3	2	3	1	12
<b>Total changes</b>	<b>256</b>	<b>254</b>	<b>152</b>	<b>211</b>	<b>84</b>	<b>957</b>



## 2.1 Site Discharge Pollution Prevention Team

To facilitate the implementation, maintenance, and updates to the SDPPP, a PPT has been established. The PPT is responsible for assisting in developing and updating the SDPPP, maintaining control measures and taking corrective actions for deficiencies, and fulfilling the regulatory requirements of the Individual Permit. The program manager is responsible for managing implementation of the IP requirements. The EM-LA regulatory compliance director certifies the required reports and conducts oversight activities.

The PPT consists of qualified personnel who possess the knowledge and skills to perform requirements specific to the IP. PPT members who perform field activities are able to assess field conditions and activities that impact stormwater quality and control measure function. The selection of the PPT field members requires familiarity with Site locations and surrounding operations. Field team members generally have, at a minimum, a bachelor's degree and specialty qualifications, such as CISEC, CPESC, or other qualifications necessary to perform the fieldwork required. The specific responsibilities of the PPT are provided in Table 4. Each member of the PPT has access to electronic and paper copies of the Individual Permit and this SDPPP Update.

**Table 4 PPT Roles and Responsibilities**

PPT Title	Functional Responsibility
Program Manager	Responsible for managing implementation of Individual Permit requirements. Responsible for signing the completed inspection work orders that satisfy the requirement for certification of findings by the IP.
EM-LA Regulatory Compliance Director	Certifies IP-required reports and conducts oversight activities.
Compliance Team Lead	Responsible for ensuring compliance is met for the Individual Permit Stormwater Program. Responsible for ensuring that Permit-specific training is up to date for all PPT members.
Corrective Actions Lead (also known as Surface Water Technical Services Representative)	Responsible for coordinating design and implementing corrective action field measures associated with TAL exceedances.
Surface Water Project Manager	Responsible for coordinating and delivering reporting requirements defined by the Individual Permit.
Monitoring Lead (also known as Field Team Lead)	Responsible for implementing stormwater monitoring, coordinating Site inspections, and maintaining control measures to address deficiencies as required by the Permit. Resolves issues related to successful conduct of operations.
Shift Operations Manager	Authorizes all field operations associated with N3B ER Program environmental work, including, but not limited to, fieldwork pertaining to the Individual Permit. Coordinates with the field team members to resolve issues related to successful conduct of operations.
Subcontractor Manager	Primary contact for subcontractor field team members conducting fieldwork.
Field Team Member	Responsible for the completion of fieldwork, including Site inspections, setup and maintenance of samplers, collection of stormwater samples, control measure assessments, control measure maintenance, control measure construction, and construction verifications and/or documentation of work completed.

**Table 4 (continued)**

<b>PPT Title</b>	<b>Functional Responsibility</b>
Tracking and Reporting Team (also known as Data Management Team)	Responsible for the generation of fieldwork orders associated with the IP. Maintains work order information in the Maintenance Connection database. Maintains sampling data and Site-related data in EIM/SWTS. Provides reports generated from databases as needed.  Responsible for maintaining, verifying, and validating precipitation data in the Hydstra database. Responsible for transmitting validated data to field team members, field team lead, and shift operations manager.
Sample Management Office Lead	Responsible for receiving samples from the sample processor and shipping for analysis. Responsible for verifying that sample results are uploaded correctly to EIM and maintaining long-term stewardship of the data.
Sampling and Analysis Plan Author	Responsible for maintaining the sampling and analysis plan, for quality control once samples are received by the stormwater laboratory, and for assigning analytical processing requirements for samples retrieved.
Sample Processor	Responsible for accepting samples from the route lead, processing the samples as required by the sample data steward, and providing custody of the samples until samples are delivered to the N3B Sample Management Office.
Subcontractor Technical Representative	Primary contact for subcontractor work performed in the field.
Regulatory Documentation Team	Responsible for editing, compositing, obtaining signatures for, and transmitting publications required by the IP.
Records Management Team Member	Responsible for long-term stewardship of IP records in record database.

Employee training and qualification are essential for effective implementation of the SDPPP and the success of the stormwater program. Project personnel receive both formal and informal training in the execution of stormwater management at the IP Sites. Formal training is conducted annually before the field season starts, through online training applications and scheduled classroom sessions. Training records are maintained in the Permittees' online training system. Training records include the dates training occurred, list of attendees, and the subject matter of the training conducted. During the field season, daily tailgate meetings are conducted to inform personnel of work assignments, impending changes, and work-related issues.

### 3.0 Compliance Status

Seven major categories are used to define compliance status and are defined in the glossary of this Overview. Table 5 lists all the compliance phases used in 2022 and provides a summary of the IP compliance status at the SMA/Site level. The seven major categories are also highlighted in this table. The Site-specific compliance status table has been updated for 2022 and is presented in Table 6 of the Overview.

**Table 5 Summary of Individual Permit Compliance Status**

Permit Phase	Number of SMAs	Compliance Status Category	Number of SMA/Site Combinations*	Status as of December 31, 2022
Baseline	74	Baseline Monitoring Extended (MEx)	114	Baseline monitoring is extended until one confirmation sample can be collected per 2010 Permit Part I.E.5(e) requirements.
		Baseline Confirmation Complete (BCComp or <TAL)	5	All baseline confirmation monitoring results are less than TALs. No further confirmation monitoring is required per 2010 Permit Part I.D.4(b) requirements.
Corrective Action	176	Enhanced Control Monitoring (CAM, CAM2, or CAM3)	118	Enhanced control monitoring continues until at least two samples are collected per 2010 Permit Part I.E.1(a).
		Corrective Action Complete (CACompA)	5	Corrective action is complete with a certification that all pollutants of concern are at or below applicable TALs per 2010 Permit Part I.E.2(a).
		Corrective Action Complete (CACompC)	13	Corrective action is complete with a certification that no pollutants are exposed to stormwater per 2010 Permit Part I.E.2(c).
		Corrective Action Complete Investigation (CACompC-Inv)	4	Collect one sample per 2010 Permit Part I.E.1(b) following certification of completion of corrective action that no pollutants are exposed to stormwater.
		Corrective Action Complete (CACompD)	82	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 CoC under NMED's Consent Order per 2010 Permit Part I.E.2(d).
		Alternative Compliance Requested (AltCompR)	108	A request for alternative compliance for the Site is pending per 2010 Permit Part I.E.3.
		Alternative Compliance Approved (AltCompA)	2	A request for alternative compliance was approved per 2010 Permit Part I.E.3.
		Deletion of Site (DelSiteR)	12	A request for deletion of the Site from the Permit is pending per 2010 Permit Part I.I.2.
		Force Majeure Certificate of Completion Requested (FMCOC)	8	A request for an extension resulting from a force majeure event is pending. NMED approval of SIRs and CoCs are required to complete corrective action.

**Table 5 (continued)**

Permit Phase	Number of SMAs	Compliance Status Category	Number of SMA/Site Combinations*	Status as of December 31, 2022
Corrective Action (cont.)	176	Alternatives Analysis (S7)	4	The SMA is being evaluated for a corrective action recommendation.
		Build Enhanced Controls (BEC)	22	Enhanced controls are being built to initiate corrective action monitoring.
		Corrective Action Initiation (CAI)	0	Confirmation monitoring at the SMA has exceeded one or more TALs and corrective action has been Initiated at the SMA.

Notes: Cells are shaded to indicate stages where monitoring is no longer required. Cells are shaded gray where all baseline confirmation monitoring results are less than TALs. Cells are shaded blue where 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). Cells are shaded orange where corrective action is complete with a certification that no pollutants are exposed to storm water per IP Part I.E.2(c). Cells are shaded yellow where 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). Cells are shaded green where a request for alternative compliance for the Site is pending. Cells are shaded pink where a request for alternative compliance was approved. Cells are shaded purple where a request for an extension resulting from a force majeure event is pending. NMED approval of SIRs and COCs is required to complete corrective action under the 2010 IP.

\* Several SMA/Site combinations are counted in more than one active compliance status category, resulting in 497 SMA/Site combinations as of December 31, 2022.

**Table 6 Site-Specific Compliance Status**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
R001	R-SMA-0.5	12/16/2010	08/03/2012	09/12/2012	C-00-020	MPS <sup>a</sup>	CACompD <sup>b</sup>	11/29/2012	n/a <sup>c</sup>	08/21/2013	NMED 2012, 520388
					C-00-020	MPS	DelSiteR <sup>d</sup>	10/14/2015	— <sup>e</sup>	—	—
R002	R-SMA-1	05/16/2011	08/19/2011	10/13/2011	C-00-041	MPS	CACompD	03/06/2017	n/a	03/06/2017	NMED 2016, 601644
R003	R-SMA-1.95	12/16/2010	08/19/2011	05/01/2012	00-015	MPS	CAM <sup>f</sup>	09/25/2014	In process	—	—
R004	R-SMA-2.05	12/01/2010	08/29/2020	09/03/2020	00-011(c)	MPS	DelSiteR	10/14/2015	—	—	—
					00-011(c)	MPS	CACompD	11/25/2020	n/a	11/25/2020	NMED 2012, 520388



Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
R005	R-SMA-2.3	12/01/2010	In process	—	00-011(e)	MPS	Mex <sup>g,h</sup>	04/21/2020	—	—	—
R006	R-SMA-2.5	12/16/2010	08/08/2019	09/17/2019	00-011(a)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2013, 522505
B001	B-SMA-0.5	12/16/2010	09/13/2013	10/30/2013	10-001(a)	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-001(b)	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-001(c)	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-001(d)	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-004(a)	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-004(b)	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-008	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
					10-009	MPS	CACompD	04/27/2017	n/a	04/27/2017	NMED 2017, 602136
B002	B-SMA-1	12/16/2010	09/13/2013	10/22/2013	00-011(d)	MPS	CACompD	11/22/2013	n/a	11/22/2013	NMED 2013, 522505
P001	ACID-SMA-1.05	12/01/2010	In process	—	00-030(g)	MPS	MEx <sup>h</sup>	04/21/2020	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
P002	ACID-SMA-2	12/01/2010	08/19/2011	11/03/2011	01-002(b)-00	MPS	CAM	10/14/2016	01/10/2018	—	—
					45-001	MPS	CACompD	03/07/2013	n/a	03/07/2013	NMED 2013, 522072
					45-002	MPS	CACompD	03/07/2013	n/a	03/07/2013	NMED 2013, 522072
					45-004	MPS	CACompD	03/07/2013	n/a	03/07/2013	NMED 2013, 522072
				01/10/2018	01-002(b)-00	MPS	AltCompR <sup>i</sup>	04/22/2019	—	—	N3B 2019, 700401
P002A	ACID-SMA-2.01	12/16/2010	In process	—	00-030(f)	MPS	MEx	04/30/2012	—	—	—
P003	ACID-SMA-2.1	12/01/2010	08/03/2012	01/12/2018	01-002(b)-00	MPS	CAM	10/14/2016	01/12/2018	—	—
					01-002(b)-00	MPS	AltCompR	04/22/2019	—	—	N3B 2019, 700401
P004	P-SMA-0.3	12/16/2010	07/25/2013	09/05/2013	00-018(b)	MPS	CACompD	09/16/2013	n/a	09/16/2013	NMED 2011, 111673
P005	P-SMA-1	12/01/2010	In process	—	73-001(a)	HPS <sup>j</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	73-002	MPS	CACompD	04/16/2015	n/a	04/16/2015	NMED 2007, 098441
					73-006	MPS	CACompD	04/16/2015	n/a	04/16/2015	NMED 2007, 098441
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	07/25/2019	09/03/2019	00-019	HPS	CAM	12/14/2020	In process	—	—
P009	P-SMA-3.05	12/16/2010	09/13/2013	10/22/2013	00-018(a)	HPS	CACompD	04/16/2015	n/a	04/16/2015	NMED 2015, 600178
L001	LA-SMA-0.85	12/01/2010	08/14/2011	10/07/2011	03-055(c)	MPS	CAM	10/23/2012	06/24/2013	—	—
					03-055(c)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2019, 700640

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
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	00-017	MPS	CAM	11/27/2012	10/08/2014	—	—
					C-00-044	MPS	CAM	11/27/2012	10/08/2014	—	—
				10/08/2014	00-017	MPS	CACompC <sup>k</sup>	09/29/2015	n/a	09/29/2015	LANL 2015, 600932
					C-00-044	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
				10/15/2022	00-017	MPS	BEC <sup>l</sup>	10/15/2022	10/08/2014	—	—
					C-00-044	MPS	BEC	10/15/2022	10/08/2014	—	—
L004	LA-SMA-1.1	12/16/2010	08/19/2011	10/11/2011	43-001(b2)	MPS	CACompD	11/29/2012	n/a	08/21/2013	NMED 2010, 110667
L005	LA-SMA-1.25	12/01/2010	08/28/2011	10/27/2011	C-43-001	MPS	CAM	08/30/2012	11/15/2012	—	—
				11/15/2012	C-43-001	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
L006	LA-SMA-2.1	05/16/2011	09/13/2013	11/03/2013	01-001(f)	HPS	CAM	09/25/2014	In process	—	—
L007	LA-SMA-2.3	12/16/2010	08/21/2011	05/01/2012	01-001(b)	MPS	CACompD	11/29/2012	n/a	08/21/2013	LANL 2015, 250035
L008	LA-SMA-3.1	12/01/2010	10/24/2018	12/10/2018	01-001(e)	HPS	AltCompR	04/22/2019	—	04/22/2019	N3B 2019, 700401
					01-003(a)	HPS	AltCompR	04/22/2019	—	04/22/2019	N3B 2019, 700401
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	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
L010	LA-SMA-4.1	12/01/2010	09/04/2011	11/08/2011	01-003(b1)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					01-003(b2)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					01-006(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
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(d1)	HPS	MEx	04/30/2012	—	—	—
					01-001(d2)	HPS	MEx	04/30/2012	—	—	—
					01-001(d3)	HPS	MEx	04/30/2012	—	—	—
					01-006(h1)	HPS	MEx	04/30/2012	—	—	—
					01-006(h2)	HPS	MEx	04/30/2012	—	—	—
					01-006(h3)	HPS	MEx	04/30/2012	—	—	—
L012A	LA-SMA-5.02	05/16/2011	08/19/2011	10/25/2011	01-003(e)	HPS	CACompD	11/29/2012	n/a	11/29/2012	NMED 2010, 110667
L013	LA-SMA-5.2	05/16/2011	07/26/2019	09/04/2019	01-003(d)	MPS	CAM	07/15/2021	In process	—	—
L014	LA-SMA-5.35	12/01/2010	09/07/2011	10/27/2011	C-41-004	MPS	CAM	11/27/2012	10/20/2014	—	—
				10/20/2014	C-41-004	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
L015	LA-SMA-5.31	12/16/2010	08/19/2011	04/30/2012	41-002(c)	MPS	CAM	07/27/2012	In process	—	—
L016	LA-SMA-5.33	12/16/2010	08/21/2011	04/30/2012	32-004	MPS	CACompD	07/30/2012	n/a	08/21/2013	NMED 2012, 521746
L017	LA-SMA-5.361	04/28/2011	08/07/2019	09/17/2019	32-002(b1)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2012, 521746
					32-002(b2)	MPS	AltCompR	10/27/2020	—	—	N3B 2020, 701098

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
L017A	LA-SMA-5.362	04/28/2011	In process	—	32-003	MPS	MEx	04/30/2012	—	—	—
L018	LA-SMA-5.51	04/28/2011	07/12/2013	08/21/2013	02-003(a)	HPS	CAM	06/26/2014	In process	—	—
					02-003(e)	HPS	CAM	06/26/2014	In process	—	—
					02-004(a)	HPS	CAM	06/26/2014	In process	—	—
					02-005	HPS	CAM	06/26/2014	In process	—	—
					02-006(b)	HPS	CAM	06/26/2014	In process	—	—
					02-006(c)	HPS	CAM	06/26/2014	In process	—	—
					02-006(d)	HPS	CAM	06/26/2014	In process	—	—
					02-006(e)	HPS	CAM	06/26/2014	In process	—	—
					02-008(a)	HPS	CAM	06/26/2014	In process	—	—
					02-009(b)	HPS	CAM	06/26/2014	In process	—	—
					02-011(a)	HPS	CAM	06/26/2014	In process	—	—
					02-011(b)	HPS	CAM	06/26/2014	In process	—	—
					02-011(c)	HPS	CAM	06/26/2014	In process	—	—
					02-011(d)	HPS	CAM	06/26/2014	In process	—	—
					02-014	HPS	CAM	06/26/2014	In process	—	—
L018A	LA-SMA-5.52	04/28/2011	07/29/2014	10/20/2014	02-003(b)	HPS	CAM	10/28/2015	In process	—	—
					02-007	HPS	CAM	10/28/2015	In process	—	—
					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	02-009(c)	HPS	CAM	09/25/2014	In process	—	—



**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
L019	LA-SMA-5.91	12/01/2010	09/07/2011	10/31/2011	21-009	MPS	CAM	07/08/2013	08/25/2014	—	—
					21-021	MPS	CAM	07/08/2013	08/25/2014	—	—
					21-023(c)	MPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2011, 203706
					21-027(d)	MPS	CAM	07/08/2013	08/25/2014	—	—
				08/21/2014	21-009	MPS	CACompD	03/06/2017	n/a	03/06/2017	NMED 2016, 601146
					21-021	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					21-027(d)	MPS	FMCO <sup>cm</sup>	01/19/2016	—	—	LANL 2015, 600979
L019A	LA-SMA-5.92	12/01/2010	07/12/2013	08/27/2013	21-013(b)	MPS	CACompD	11/22/2013	n/a	11/22/2013	NMED 2011, 203706
					21-013(b)	MPS	CAM	10/28/2015	In process	—	—
					21-013(g)	MPS	CACompD	11/22/2013	n/a	11/22/2013	NMED 2011, 203706
					21-018(a)	MPS	CACompD	11/22/2013	n/a	11/22/2013	NMED 2011, 203706
					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	07/26/2019	08/27/2019	21-006(b)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2018, 700067
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	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
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	—	—	—
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	21-021	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					21-024(j)	MPS	CACompD	03/06/2017	n/a	03/06/2017	NMED 2016, 601146
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	26-001	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					26-002(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					26-002(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					26-003	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
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	53-008	MPS	CAM	11/30/2012	10/27/2015	—	—
				10/27/2015	53-008	MPS	CACompA <sup>n</sup>	03/04/2016	—	03/04/2016	LANL 2016, 601270
D001	DP-SMA-0.3	04/28/2011	08/19/2011	05/01/2012	21-029	MPS	CAM	07/08/2013	10/30/2013	—	—
				10/30/2013	21-029	MPS	CACompD	03/06/2017	n/a	03/06/2017	NMED 2016, 601146

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
D002	DP-SMA-0.4	12/16/2010	09/13/2013	10/26/2013	21-021	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
D003	DP-SMA-0.6	04/28/2011	07/26/2019	09/03/2019	21-021	MPS	AltCompR	10/27/2020	—	—	N3B 2020, 701098
					21-024(l)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2018, 700067
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	21-021	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					21-024(n)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
D007	DP-SMA-3	02/11/2011	07/29/2011	05/01/2012	21-013(c)	MPS	CACompD	03/06/2017	n/a	03/06/2017	NMED 2016, 601146
					21-021	MPS	CAM	08/30/2012	08/09/2019	—	—
				09/16/2019	21-021	MPS	AltCompR	10/27/2020	—	—	N3B 2020, 701098
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	03-013(a)	HPS	CAM	06/26/2014	11/03/2014	—	—
					03-052(f)	HPS	CAM	06/26/2014	11/03/2014	—	—
				11/03/2014	03-013(a)	HPS	CACompC	09/29/2015	—	09/29/2015	LANL 2015, 600932
					03-052(f)	HPS	FMCOC	09/10/2015	—	—	LANL 2015, 600910

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
S002	S-SMA-1.1	05/16/2011	08/04/2011	11/02/2011	03-029	HPS	CAM	11/27/2012	10/07/2014	—	—
				10/07/2014	03-029	HPS	FMCOC	09/23/2013	—	—	LANL 2013, 250039
S003	S-SMA-2	12/01/2010	08/13/2011	10/20/2011	03-012(b)	HPS	CAM	07/08/2013	09/10/2013	—	—
					03-045(b)	HPS	CAM	07/08/2013	09/10/2013	—	—
					03-045(c)	HPS	CAM	07/08/2013	09/10/2013	—	—
					03-056(c)	HPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2011, 111821
				09/10/2013	03-012(b)	HPS	FMCOC	09/23/2013	—	—	LANL 2013, 250039
					03-045(b)	HPS	AltCompA <sup>o</sup>	09/10/2013	—	—	—
					03-045(b)	HPS	DelSiteR	10/21/2015	—	—	—
					03-045(c)	HPS	AltCompA	09/10/2013	—	—	—
					03-045(c)	HPS	DelSiteR	10/21/2015	—	—	—
S003A	S-SMA-2.01	12/16/2010	09/07/2011	11/02/2011	03-052(b)	HPS	FMCOC	09/23/2013	—	—	LANL 2013, 250039
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	03-014(b2)	HPS	CAM	05/02/2013	08/18/2014	—	—
				08/18/2014	03-014(b2)	HPS	FMCOC	09/23/2013	—	—	LANL 2013, 250039
S006	S-SMA-3.6	12/01/2010	08/13/2011	10/20/2011	60-007(b)	HPS	CAM	11/27/2012	08/13/2013	—	—
				08/13/2013	60-007(b)	HPS	FMCOC	09/23/2013	—	—	LANL 2013, 250039
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	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
S009	S-SMA-3.72	12/16/2010	07/20/2015	08/28/2015	53-001(b)	MPS	CACompD	10/29/2015	n/a	10/30/2015	NMED 2013, 523159
S010	S-SMA-3.95	05/16/2011	09/13/2013	10/25/2013	20-002(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
S011	S-SMA-4.1	12/16/2010	09/01/2011	11/02/2011	53-014	HPS	CACompD	10/29/2015	n/a	08/21/2013	NMED 2013, 523159
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	07/26/2019	09/03/2019	20-003(c)	MPS	AltCompR	10/27/2020	—	—	N3B 2020, 701098
				10/15/2022	20-003(c)	MPS	S7 <sup>p</sup>	10/15/2022	—	—	—
S015	S-SMA-5.5	05/16/2011	07/31/2014	09/11/2014	20-005	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
S016	S-SMA-6	05/16/2011	08/19/2011	11/02/2011	72-001	HPS	CAM	10/15/2015	07/27/2016	—	—
				07/27/2016	72-001	HPS	CAM2 <sup>q</sup>	07/27/2016	01/16/2018	—	—
				01/16/2018	72-001	HPS	CAM3 <sup>r</sup>	12/14/2020	In process	—	—
C001	CDB-SMA-0.15	12/01/2010	07/20/2015	08/25/2015	04-003(a)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					04-004	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
				10/15/2022	04-003(a)	MPS	S7	10/15/2022	—	—	—
					04-004	MPS	S7	10/15/2022	—	—	—
C002	CDB-SMA-0.25	12/01/2010	09/01/2011	11/02/2011	46-004(c2)	MPS	CAM	07/20/2012	10/22/2013	—	—
					46-004(e2)	MPS	CAM	07/20/2012	10/22/2013	—	—
				10/22/2013	46-004(c2)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					46-004(e2)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417



**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
C003	CDB-SMA-0.55	01/12/2011	09/13/2013	10/25/2013	46-004(g)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					46-004(m)	MPS	CACompD	11/22/2013	n/a	11/22/2013	NMED 2012, 520940
					46-004(s)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					46-006(f)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
C004	CDB-SMA-1	01/12/2011	09/07/2011	04/30/2012	46-003(c)	MPS	CAM	07/30/2012	11/05/2013	—	—
					46-004(d2)	MPS	CAM	07/30/2012	11/05/2013	—	—
					46-004(f)	MPS	CAM	07/30/2012	11/05/2013	—	—
					46-004(t)	MPS	CAM	07/30/2012	11/05/2013	—	—
					46-004(w)	MPS	CAM	07/30/2012	11/05/2013	—	—
					46-008(g)	MPS	CAM	07/30/2012	11/05/2013	—	—
					46-009(a)	MPS	CAM	07/30/2012	11/05/2013	—	—
					C-46-001	MPS	CACompD	11/29/2012	n/a	11/29/2012	NMED 2012, 520940
C004	CDB-SMA-1	01/12/2011	09/07/2011	11/05/2013	46-003(c)	MPS	CAM2	09/04/2015	In process	—	—
					46-004(d2)	MPS	CAM2	09/04/2015	In process	—	—
					46-004(f)	MPS	CAM2	09/04/2015	In process	—	—
					46-004(t)	MPS	CAM2	09/04/2015	In process	—	—
					46-004(w)	MPS	CAM2	09/04/2015	In process	—	—
					46-008(g)	MPS	CAM2	09/04/2015	In process	—	—
					46-009(a)	MPS	CAM2	09/04/2015	In process	—	—
					C-46-001	MPS	DelSiteR	10/14/2015	—	—	—

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
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	—	—	—
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	54-017	HPS	CACompC-Inv <sup>s</sup>	08/27/2014	—	08/27/2014	—
					54-018	HPS	CACompC-Inv	08/27/2014	—	08/27/2014	—
					54-020	HPS	CACompC-Inv	08/27/2014	—	08/27/2014	—
M001	M-SMA-1	12/01/2010		11/02/2011	03-050(a)	MPS	CAM	11/27/2012	08/13/2013	—	—
					03-054(e)	MPS	CAM	11/27/2012	08/13/2013	—	—
				08/13/2013	03-050(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					03-054(e)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
M002	M-SMA-1.2	12/16/2010	09/13/2013	10/30/2013	03-049(a)	MPS	CAM	09/25/2014	01/16/2018	—	—
				01/16/2018	03-049(a)	MPS	AltCompR	04/22/2019	—	—	LANL 2015, 600417
M002A	M-SMA-1.21	12/16/2010	10/24/2018	12/10/2018	03-049(e)	MPS	S7	—	—	—	—
M002B	M-SMA-1.22	02/11/2011	09/15/2011	05/01/2012	03-045(h)	MPS	CAM	05/02/2013	10/20/2014	—	—
				10/20/2014	03-045(h)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
M003	M-SMA-3	05/16/2011	07/12/2013	08/13/2013	48-001	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					48-005	MPS	CAM	10/15/2015	In process	—	—
					48-007(c)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
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	48-001	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					48-005	MPS	CACompC	09/29/2015	—	09/29/2015	LANL 2015, 600932
					48-007(a)	MPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2010, 110665
					48-007(d)	MPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2010, 110665
					48-010	MPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2010, 110665

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
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	35-016(h)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
M009	M-SMA-7	12/16/2010	07/07/2012	08/22/2012	35-016(g)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
M010	M-SMA-7.9	12/16/2010	09/13/2013	10/25/2013	50-006(d)	HPS	AltCompR	04/21/2014	—	—	LANL 2014, 255538
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	35-008	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-014(e)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
M012A	M-SMA-10.01	12/16/2010	09/15/2011	11/15/2011	35-016(e)	MPS	CAM	09/25/2012	10/30/2015	—	—
				09/25/2012	35-016(e)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
M013	M-SMA-10.3	05/16/2011	08/19/2011	10/24/2011	35-014(e2)	HPS	CACompD	10/30/2013	n/a	10/30/2013	NMED 2013, 523693
					35-016(i)	HPS	CACompD	10/30/2013	n/a	10/30/2013	NMED 2013, 523693
				10/15/2022	35-014(e2)	HPS	BEC	10/15/2022	—	—	—
					35-016(i)	HPS	BEC	10/15/2022	—	—	—
M014	M-SMA-11.1	12/16/2010	In process	—	35-016(o)	MPS	MEx	04/30/2012	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
M015	M-SMA-12	04/28/2011	07/07/2015	08/11/2015	35-016(p)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
				10/15/2022	35-016(p)	MPS	BEC	10/15/2022	—	—	—
M016	M-SMA-12.5	12/01/2010	07/25/2019	08/27/2019	05-005(b)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2019, 700344
					05-006(c)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2019, 700344
				10/15/2022	05-005(b)	MPS	BEC	10/15/2022	—	—	—
					05-006(c)	MPS	BEC	10/15/2022	—	—	—
M017	M-SMA-12.6	05/16/2011	09/13/2013	10/22/2013	05-004	MPS	CACompD	05/16/2019	n/a	05/16/2019	NMED 2019, 700344
M018	M-SMA-12.7	12/16/2010	08/16/2022	09/16/2022	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	—	—	—
				10/15/2022	05-002	MPS	BEC	10/15/2022	—	—	—
					05-005(a)	MPS	BEC	10/15/2022	—	—	—
					05-006(b)	MPS	BEC	10/15/2022	—	—	—
					05-006(e)	MPS	BEC	10/15/2022	—	—	—
M019	M-SMA-12.8	12/16/2010	07/25/2019	09/03/2019	05-001(a)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2015, 600917
					05-002	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2015, 600917
				10/15/2022	05-001(a)	MPS	BEC	10/15/2022	—	—	—
					05-002	MPS	BEC	10/15/2022	—	—	—



**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
M020	M-SMA-12.9	12/16/2010	07/20/2015	08/25/2015	05-001(b)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600917
					05-002	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600917
				10/15/2022	05-001(b)	MPS	BEC	10/15/2022	—	—	—
					05-002	MPS	BEC	10/15/2022	—	—	—
M021	M-SMA-12.92	12/01/2010	In process	—	00-001	MPS	MEx	10/31/2011	—	—	—
M022	M-SMA-13	12/16/2010	08/26/2021	10/04/2021	05-001(c)	MPS	CACompD	12/16/2021	n/a	12/16/2021	NMED 2015, 600917
				10/15/2022	05-001(c)	MPS	BEC	10/15/2022	—	—	—
T001	Pratt-SMA-1.05	12/16/2010	09/13/2013	10/30/2013	35-003(h)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-003(p)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-003(r)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-004(h)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-004(h)	HPS	DelSiteR	10/14/2015	—	—	—
					35-009(d)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(k)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(l)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(m)	HPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(m)	HPS	DelSiteR	10/14/2015	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
T002	T-SMA-1	12/16/2010	08/15/2011	10/21/2011	50-006(a)	HPS	FMCOC	09/23/2013	—	—	LANL 2013, 250038
					50-009	HPS	CACompC	10/31/2013	—	10/31/2013	LANL 2013, 250960
T003	T-SMA-2.5	12/16/2010	07/26/2019	09/03/2019	35-014(g3)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2015, 600985
T004	T-SMA-2.85	12/16/2010	07/12/2013	08/21/2013	35-014(g)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(n)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
T005	T-SMA-3	12/16/2010	09/12/2012	10/19/2012	35-016(b)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
T006	T-SMA-4	12/16/2010	09/13/2013	10/25/2013	35-004(a)	MPS	CAM	10/15/2015	10/30/2015	—	—
					35-009(a)	MPS	CAM	10/15/2015	10/30/2015	—	—
					35-016(c)	MPS	CAM	10/15/2015	10/30/2015	—	—
					35-016(d)	MPS	CAM	10/15/2015	10/30/2015	—	—
				10/30/2015	35-004(a)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-009(a)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(c)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
					35-016(d)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
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	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
T008	T-SMA-6.8	12/16/2010	07/31/2014	09/17/2014	35-010(e)	MPS	CACompD	10/30/2015	n/a	10/30/2015	NMED 2015, 600985
T009	T-SMA-7	12/16/2010	09/12/2017	01/16/2018	04-003(b)	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2015, 600446
T010	T-SMA-7.1	12/16/2010	07/25/2019	08/27/2019	04-001	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2015, 600446
					04-002	MPS	CACompD	12/23/2019	n/a	12/23/2019	NMED 2015, 600446
E001	2M-SMA-1	12/01/2010	08/20/2011	10/18/2011	03-010(a)	MPS	CAM	07/20/2012	10/19/2012	—	—
				10/19/2012	03-010(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
E002	2M-SMA-1.42	01/12/2011	09/15/2011	11/10/2011	06-001(a)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
E003	2M-SMA-1.43	12/01/2010	07/12/2013	08/21/2013	22-014(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					22-015(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
E004	2M-SMA-1.44	01/12/2011	08/21/2011	04/30/2012	06-001(b)	MPS	CAM	06/27/2012	10/20/2014	—	—
				10/20/2014	06-001(b)	MPS	CAM2	09/04/2015	In process	—	—
E005	2M-SMA-1.45	01/12/2011	09/07/2011	05/01/2012	06-006	MPS	CAM	08/20/2012	09/08/2015	—	—
				09/08/2015	06-006	MPS	CACompA	09/08/2015	—	09/08/2015	LANL 2015, 600976
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	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	03-055(a)	MPS	CAM	07/27/2012	09/29/2014	—	—
				09/29/2014	03-055(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
E010	2M-SMA-1.8	01/12/2011	09/09/2011	11/03/2011	03-001(k)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
E011	2M-SMA-1.9	01/12/2011	07/11/2012	08/23/2012	03-003(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
E012	2M-SMA-2	01/12/2011	09/04/2011	11/03/2011	03-050(d)	MPS	CAM	05/02/2013	09/24/2013	—	—
					03-054(b)	MPS	CAM	05/02/2013	09/24/2013	—	—
				09/24/2013	03-050(d)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					03-054(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
				10/15/2022	03-050(d)	MPS	BEC	10/15/2022	—	—	—
					03-054(b)	MPS	BEC	10/15/2022	—	—	—
E013	2M-SMA-2.2	12/01/2010	09/04/2011	11/03/2011	03-003(k)	MPS	CACompC	09/29/2015	—	09/29/2015	LANL 2015, 600932
E014	2M-SMA-3	01/12/2011	07/12/2013	08/16/2013	07-001(a)	MPS	CACompA	01/15/2017	10/04/2017	11/27/2019	N3B 2019, 700685
					07-001(b)	MPS	CACompA	01/15/2017	10/04/2017	11/27/2019	N3B 2019, 700685
					07-001(c)	MPS	CAM	05/07/2019	In process	—	—
					07-001(d)	MPS	CACompA	01/15/2017	10/04/2017	11/27/2019	N3B 2019, 700685
E015	2M-SMA-2.5	01/12/2011	In process	—	40-001(c)	MPS	MEx <sup>h</sup>	04/21/2020	—	—	—
H001	3M-SMA-0.2	12/01/2010	07/15/2018	08/20/2018	15-010(b)	MPS	CAM	07/15/2021	In process	—	—
H002	3M-SMA-0.4	01/12/2011	07/12/2013	08/27/2013	15-006(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
H003	3M-SMA-0.5	01/12/2011	07/09/2014	08/18/2014	15-006(c)	MPS	CAM	10/28/2015	In process	—	—
					15-009(c)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
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	18-002(b)	MPS	CAM	10/28/2015	01/12/2018	—	—
					18-003(c)	MPS	CAM	10/28/2015	01/12/2018	—	—
					18-010(f)	MPS	CAM	10/28/2015	01/12/2018	—	—
				01/12/2018	18-002(b)	MPS	AltCompR	04/22/2019	—	—	N3B 2019, 700401
					18-003(c)	MPS	AltCompR	04/22/2019	—	—	N3B 2019, 700401
					18-010(f)	MPS	AltCompR	04/22/2019	—	—	N3B 2019, 700401
J001	PJ-SMA-1.05	12/01/2010	09/13/2013	11/03/2013	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	09-004(o)	MPS	CAM	07/18/2012	07/27/2021	—	—
				08/30/2021	09-004(o)	MPS	CAM2	06/16/2022	In process	—	—
J004	PJ-SMA-4.05	12/01/2010	09/13/2013	10/30/2013	09-004(g)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					09-005(g)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
J005	PJ-SMA-5	12/01/2010	10/12/2012	11/15/2012	22-015(c)	MPS	CAM	08/10/2015	10/09/2018	—	—
				10/09/2018	22-015(c)	MPS	CAM2	12/14/2020	In process	—	—
J006	PJ-SMA-5.1	01/12/2011	09/07/2011	10/31/2011	22-010(b)	MPS	CAM	07/18/2012	In process	—	—
				10/31/2011	22-016	MPS	CAM	07/18/2012	In process	—	—
J007	PJ-SMA-6	12/01/2010	07/08/2014	08/18/2014	40-010	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
J008	PJ-SMA-7	12/01/2010	In process	—	40-006(c)	MPS	MEx	10/31/2011	—	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
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	40-009	MPS	CAM	10/28/2015	In process	—	—
J012	PJ-SMA-10	01/12/2011	07/04/2014	08/11/2014	40-006(a)	MPS	CAM	10/28/2015	10/05/2016	—	—
				10/06/2016	40-006(a)	MPS	CAM2	04/07/2017	In process	—	—
J013	PJ-SMA-11	01/12/2011	09/13/2013	10/30/2013	40-003(a)	MPS	CAM	08/10/2015	07/02/2019	—	—
				08/05/2019	40-003(a)	MPS	CAM2	03/30/2021	10/04/2021	—	—
				10/04/2021	36-004(d)	MPS	CAM3	06/16/2022	In process	—	—
J014	PJ-SMA-11.1	01/12/2011	09/13/2013	10/30/2013	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	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	—	18-003(e)	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	—	18-010(e)	MPS	MEx	10/31/2011	—	—	—
J022	PJ-SMA-14.8	01/12/2011	08/18/2011	—	18-012(a)	MPS	BCComp <sup>t</sup>	05/01/2012	—	—	—
J023	PJ-SMA-16	12/01/2010	08/08/2013	—	27-002	MPS	BCComp	09/11/2013	—	—	—
J024	PJ-SMA-17	12/01/2010	07/25/2013	09/05/2013	54-018	HPS	CACompC	08/27/2014	—	08/27/2014	LANL 2014, 260884
J026	PJ-SMA-18	12/01/2010	07/25/2013	09/03/2013	54-014(d)	MPS	CACompC	08/28/2014	—	08/28/2014	LANL 2014, 260887
					54-017	HPS	CACompC	08/28/2014	—	08/28/2014	LANL 2014, 260887



**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
J025	PJ-SMA-19	12/01/2010	08/08/2013	09/12/2013	54-013(b)	HPS	CACompC	08/28/2014	—	08/28/2014	LANL 2014, 260887
					54-017	HPS	CACompC	08/28/2014	—	08/28/2014	LANL 2014, 260887
					54-020	HPS	CACompC	08/28/2014	—	08/28/2014	LANL 2014, 260887
J027	PJ-SMA-20	12/16/2010	08/22/2011	05/01/2012	54-017	HPS	CACompC	10/25/2013	—	10/25/2013	LANL 2014, 260188
J028	STRM-SMA-1.05	12/01/2010	08/26/2011	10/17/2011	08-009(f)	MPS	CAM	05/02/2013	09/10/2013	—	—
				09/10/2013	08-009(f)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
J029	STRM-SMA-1.5	12/01/2010	07/11/2012	08/27/2012	08-009(d)	MPS	CAM	07/08/2013	10/21/2013	—	—
				10/21/2013	08-009(d)	MPS	CAM2	09/04/2015	09/03/2018	—	—
				10/09/2018	08-009(d)	MPS	CAM3	07/15/2021	In process	—	—
J030	STRM-SMA-4.2	12/01/2010	09/09/2011	11/10/2011	09-008(b)	MPS	CAM	08/21/2012	09/27/2017	—	—
				01/16/2018	09-008(b)	MPS	CAM2	01/14/2020	In process	—	—
J031	STRM-SMA-5.05	12/01/2010	08/21/2011	10/31/2011	09-013	MPS	CAM	06/27/2012	02/26/2016	—	—
				02/26/2016	09-013	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
V001	CDV-SMA-1.2	01/12/2011	In process	—	16-017(b)-99	MPS	MEx <sup>h</sup>	04/21/2020	—	—	—
					16-029(k)	MPS	MEx <sup>h</sup>	04/21/2020	—	—	—
V002	CDV-SMA-1.3	01/12/2011	09/13/2013	10/25/2013	16-017(a)-99	MPS	CACompD	09/26/2016	n/a	09/26/2016	NMED 2016, 601692
					16-026(m)	MPS	CACompD	09/26/2016	n/a	09/26/2016	NMED 2016, 601692

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
V003	CDV-SMA-1.4	01/12/2011	09/10/2012	10/18/2012	16-020	MPS	CAM	05/12/2014	In process	—	—
					16-026(l)	MPS	CAM	05/12/2014	In process	—	—
					16-028(c)	MPS	CAM	05/12/2014	In process	—	—
					16-030(c)	MPS	DelSiteR	10/14/2015	—	—	—
					16-030(c)	MPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2008, 100116
V004	CDV-SMA-1.45	01/12/2011	08/21/2011	04/30/2012	16-026(i)	MPS	CAM	07/18/2012	In process	—	—
V005	CDV-SMA-1.7	01/12/2011	09/13/2013	10/25/2013	16-019	MPS	CAM	09/04/2015	In process	—	—
V006	CDV-SMA-2	05/16/2011	07/12/2013	08/20/2013	16-021(c)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
V007	CDV-SMA-2.3	01/12/2011	07/20/2015	08/26/2015	13-001	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					13-002	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					16-003(n)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					16-003(o)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					16-029(h)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					16-031(h)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
V008	CDV-SMA-2.41	01/12/2011	08/21/2011	05/01/2012	16-018	MPS	CAM	06/26/2014	In process	—	—
					16-018	MPS	DelSiteR	10/21/2015	—	—	—
V008A	CDV-SMA-2.42	01/12/2011	07/12/2013	08/26/2013	16-010(b)	MPS	CAM	09/28/2015	01/16/2018	—	—
					16-010(b)	MPS	DelSiteR	10/21/2015	—	—	—
				01/16/2018	16-010(b)	MPS	CAM2	07/15/2021	In process	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
V009	CDV-SMA-2.5	01/12/2011	07/26/2013	—	16-010(c)	MPS	BCComp	08/29/2013	—	—	—
					16-010(c)	MPS	DelSiteR	10/21/2015	—	—	—
					16-010(d)	MPS	BCComp	08/29/2013	—	—	—
					16-010(d)	MPS	DelSiteR	10/21/2015	—	—	—
					16-028(a)	MPS	BCComp	08/29/2013	—	—	—
V009A	CDV-SMA-2.51	01/12/2011	09/13/2013	10/25/2013	16-010(i)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
V010	CDV-SMA-3	02/11/2011	08/21/2011	04/30/2012	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	14-001(g)	MPS	CAM	10/15/2015	In process	—	—
					14-006	MPS	CAM	10/15/2015	In process	—	—
V012A	CDV-SMA-6.02	02/11/2011	09/01/2011	10/31/2011	14-002(c)	MPS	CAM	07/18/2012	In process	—	—
					14-002(d)	MPS	CAM	07/18/2012	In process	—	—
					14-002(e)	MPS	CAM	07/18/2012	In process	—	—
V013	CDV-SMA-7	01/12/2011	09/13/2013	10/30/2013	15-008(d)	MPS	CAM	09/04/2015	10/24/2018	—	—
				10/24/2018	15-008(d)	MPS	CAM2	12/14/2020	In process	—	—
V014	CDV-SMA-8	01/12/2011	07/31/2014	10/07/2014	15-011(c)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
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	08/10/2018	10/24/2018	15-007(b)	MPS	CAM	12/14/2020	In process	—	—
F001	F-SMA-2	01/12/2011	08/15/2011	05/01/2012	36-004(c)	MPS	CAM	06/26/2014	09/08/2014	—	—
				09/08/2014	36-004(c)	MPS	CAM2	09/28/2015	In process	—	—
I001	PT-SMA-0.5	04/28/2011	09/01/2011	05/01/2012	15-009(e)	MPS	CAM	11/27/2012	In process	—	—
					C-15-004	MPS	CAM	11/27/2012	In process	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
I002	PT-SMA-1	04/28/2011	09/01/2011	04/30/2012	15-004(f)	MPS	CAM	08/03/2012	10/07/2014	—	—
					15-008(a)	MPS	CAM	08/03/2012	10/07/2014	—	—
				10/07/2014	15-004(f)	MPS	CAM2	10/15/2015	09/26/2017	—	—
					15-008(a)	MPS	CAM2	10/15/2015	09/26/2017	—	—
				09/26/2017	15-004(f)	MPS	AltCompR	04/22/2019	—	—	N3B 2019, 700401
					15-008(a)	MPS	AltCompR	04/22/2019	—	—	N3B 2019, 700401
I003	PT-SMA-1.7	04/28/2011	04/28/2011	10/18/2012	15-003	MPS	CAM	06/26/2014	In process	—	—
					15-006(a)	MPS	CAM	06/26/2014	In process	—	—
I004	PT-SMA-2	04/28/2011	07/07/2014	08/11/2014	15-008(f)	MPS	CAM	09/28/2015	10/04/2019	11/14/2019	—
					36-003(b)	MPS	CAM	09/28/2015	10/04/2019	11/14/2019	—
					36-004(e)	MPS	CAM	09/28/2015	10/04/2019	11/14/2019	—
				11/14/2019	15-008(f)	MPS	CAM2	07/15/2021	In process	—	—
					36-003(b)	MPS	CAM2	07/15/2021	In process	—	—
					36-004(e)	MPS	CAM2	07/15/2021	In process	—	—
I004A	PT-SMA-2.01	04/28/2011	08/18/2011	04/30/2012	C-36-001	MPS	CACompC-Inv	08/28/2017	—	08/28/2017	—
					C-36-006(e)	MPS	CAM	08/03/2012	In process	—	—
I005	PT-SMA-3	12/01/2010	07/15/2014	08/25/2014	36-004(a)	MPS	CAM	08/10/2015	In process	—	—
					36-006	MPS	CAM	08/10/2015	In process	—	—
I007	PT-SMA-4.2	12/01/2010	07/02/2014	08/11/2014	36-004(d)	MPS	CAM	10/28/2015	10/04/2021	—	—
				10/04/2021	36-004(d)	MPS	AltCompR	04/19/2022	—	—	N3B 2022, 701992

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
W001	W-SMA-1	12/01/2010	09/09/2011	11/08/2011	16-017(j)-99	MPS	CAM	05/02/2013	08/29/2014	—	—
					16-026(c2)	MPS	CAM	05/02/2013	08/29/2014	—	—
					16-026(v)	MPS	CAM	05/02/2013	08/29/2014	—	—
				08/29/2014	16-017(j)-99	MPS	CACompC	09/29/2015	—	09/29/2015	LANL 2015, 600932
					16-026(c2)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-026(v)	MPS	AltCompR	05/06/2016	—	—	LANL 2015, 600417
W002	W-SMA-1.5	01/12/2011	09/01/2011	11/08/2011	16-026(b2)	MPS	CAM	09/25/2012	08/28/2014	—	—
					16-028(d)	MPS	CAM	09/25/2012	08/28/2014	—	—
				08/28/2014	16-026(b2)	MPS	CAM2	09/04/2015	In process	—	—
					16-028(d)	MPS	CAM2	09/04/2015	In process	—	—
W003	W-SMA-2.05	01/12/2011	08/21/2011	05/01/2012	16-028(e)	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	16-001(e)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-003(f)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-026(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-026(c)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-026(d)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-026(e)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
W007	W-SMA-6	01/12/2011	07/07/2019	08/12/2019	11-001(c)	MPS	AltCompR	10/27/2020	—	—	N3B 2020, 701098
W008	W-SMA-7	01/12/2011	07/08/2014	08/11/2014	16-026(h2)	MPS	CAM	09/28/2015	In process	—	—
					16-029(e)	MPS	CAM	09/28/2015	In process	—	—
W009	W-SMA-7.8	01/12/2011	05/30/2021	07/29/2021	16-031(a)	MPS	AltCompR	04/19/2022	—	—	N3B 2022, 701992
W010	W-SMA-7.9	01/12/2011	In process	—	16-006(c)	MPS	MEx	04/30/2012	—	—	—
W011	W-SMA-8	01/12/2011	09/12/2013	10/25/2013	16-016(g)	MPS	CAM	08/10/2015	In process	—	—
					16-028(b)	MPS	CAM	08/10/2015	In process	—	—
W012	W-SMA-8.7	01/12/2011	09/12/2013	10/25/2013	13-001	MPS	AltCompR	05/06/2015	—	—	LANL 2016, 601239
					13-002	MPS	AltCompR	05/06/2015	—	—	LANL 2016, 601239
					16-004(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-026(j2)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-029(h)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					16-035	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
W012A	W-SMA-8.71	01/12/2011	08/21/2011	05/01/2012	16-004(c)	MPS	CAM	11/27/2012	10/30/2013	—	—
				10/30/2013	16-004(c)	MPS	CAM2	09/04/2015	In process	—	—
W013	W-SMA-9.05	01/12/2011	In process	—	16-030(g)	MPS	MEx <sup>h</sup>	04/21/2020	—	—	—
W014	W-SMA-9.5	12/01/2010	09/27/2017	01/16/2018	11-012(c)	MPS	CAM	09/08/2020	In process	—	—

Table 6 (continued)

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
W015	W-SMA-9.7	01/12/2011	09/13/2013	10/30/2013	11-011(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					11-011(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
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	11-006(b)	MPS	CAM	06/27/2012	In process	—	—
W018	W-SMA-10	01/12/2011	08/21/2011	05/01/2012	11-002	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					11-003(b)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					11-005(a)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
					11-005(b)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
				—	11-006(c)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
				—	11-006(d)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
				—	11-011(d)	MPS	AltCompR	02/26/2016	—	—	LANL 2016, 601239
W019	W-SMA-11.7	01/12/2011	09/01/2011	05/01/2012	49-008(c)	MPS	CAM	10/23/2012	08/26/2021	—	—
				10/04/2021	49-008(c)	MPS	CAM2	09/07/2022	In process	—	—
W020	W-SMA-12.05	01/12/2011	In process	—	49-001(g)	MPS	MEx	04/30/2012	—	—	—
W021	W-SMA-14.1	04/28/2011	08/18/2011	10/17/2011	15-004(h)	MPS	CAM	09/25/2012	08/25/2014	—	—
					15-014(l)	MPS	CAM	09/25/2012	08/25/2014	—	—
				08/25/2014	15-004(h)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
					15-014(l)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419



**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
W022	W-SMA-15.1	01/12/2011	09/01/2011	05/01/2012	49-005(a)	MPS	CAM	10/23/2012	In process	—	—
A001	A-SMA-1.1	12/01/2010	08/10/2018	09/26/2018	39-004(a)	MPS	CAM	12/07/2021	In process	—	—
					39-004(d)	MPS	CAM	12/07/2021	In process	—	—
A002	A-SMA-2	02/11/2011	09/12/2013	10/22/2013	39-004(b)	MPS	CAM	08/10/2015	10/04/2019	—	—
					39-004(e)	MPS	CAM	08/10/2015	10/04/2019	—	—
				11/12/2019	39-004(b)	MPS	CAM2	03/09/2022	In process	—	—
					39-004(e)	MPS	CAM2	03/09/2022	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	39-002(c)	MPS	CACompD	08/21/2013	n/a	08/21/2013	NMED 2010, 110430
					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	39-002(b)	MPS	CAM	09/04/2015	08/10/2018	—	—
					39-004(c)	MPS	CAM	09/04/2015	08/10/2018	—	—
				10/09/2018	39-002(b)	MPS	CAM2	12/07/2021	In process	—	—
					39-004(c)	MPS	CAM2	12/07/2021	In process	—	—
A007	A-SMA-3.5	02/11/2011	In process	—	39-006(a)	MPS	MEx <sup>h</sup>	04/21/2020	—	—	—
A008	A-SMA-4	02/11/2011	07/23/2018	08/21/2018	33-010(d)	MPS	AltCompR	10/27/2020	—	—	N3B 2020, 701098
A009	A-SMA-6	02/11/2011	08/04/2013	09/04/2013	33-004(k)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					33-007(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					33-010(a)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
Q001	CHQ-SMA-0.5	02/11/2011	07/23/2014	09/22/2014	33-004(g)	MPS	CAM	10/28/2015	In process	—	—
					33-007(c)	MPS	CAM	10/28/2015	In process	—	—
					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	—	—	—
Q002A	CHQ-SMA-1.02	02/11/2011	08/21/2011	05/01/2012	33-004(h)	MPS	CAM	10/24/2012	11/03/2013	—	—
					33-008(c)	MPS	CAM	10/24/2012	11/03/2013	—	—
					33-011(d)	MPS	CAM	10/24/2012	11/03/2013	—	—
					33-015	MPS	CAM	10/24/2012	11/03/2013	—	—
	CHQ-SMA-1.02	02/11/2011	08/21/2011	11/03/2013	33-004(h)	MPS	CAM2	09/04/2015	08/10/2018	—	—
					33-008(c)	MPS	CAM2	09/04/2015	08/10/2018	—	—
					33-011(d)	MPS	CAM2	09/04/2015	08/10/2018	—	—
					33-015	MPS	CAM2	09/04/2015	08/10/2018	—	—
				08/10/2018	33-004(h)	MPS	CAM3	04/21/2021	08/03/2021	—	—
					33-008(c)	MPS	CAM3	04/21/2021	08/03/2021	—	—
					33-011(d)	MPS	CAM3	04/21/2021	08/03/2021	—	—
					33-015	MPS	CAM3	04/21/2021	08/03/2021	—	—
				09/07/2021	33-004(h)	MPS	BEC	—	—	—	—
					33-008(c)	MPS	BEC	—	—	—	—
					33-011(d)	MPS	BEC	—	—	—	—
					33-015	MPS	BEC	—	—	—	—
Q002B	CHQ-SMA-1.03	02/11/2011	07/04/2012	08/27/2012	33-008(c)	MPS	CAM	05/13/2014	In process	—	—
					33-012(a)	MPS	CAM	05/13/2014	In process	—	—
					33-017	MPS	CAM	05/13/2014	In process	—	—
					C-33-001	MPS	CAM	05/13/2014	In process	—	—
					C-33-003	MPS	CAM	05/13/2014	In process	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
Q003	CHQ-SMA-2	02/11/2011	07/04/2012	08/27/2012	33-004(d)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
					33-007(c)	MPS	CAM	10/28/2015	10/24/2018	—	—
					C-33-003	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600417
				10/24/2018	33-004(d)	MPS	CAM2	04/21/2021	In process	—	—
					33-007(c)	MPS	CAM2	04/21/2021	In process	—	—
					C-33-003	MPS	CAM2	04/21/2021	In process	—	—
Q004	CHQ-SMA-3.05	02/11/2011	09/10/2013	10/23/2013	33-010(f)	MPS	CAM	08/10/2015	In process	—	—
Q005	CHQ-SMA-4	02/11/2011	07/23/2018	08/22/2018	33-011(e)	MPS	CAM	10/04/2021	In process	—	—
Q006	CHQ-SMA-4.1	02/11/2011	09/13/2013	10/22/2013	33-016	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
Q007	CHQ-SMA-4.5	02/11/2011	07/25/2013	09/05/2013	33-011(b)	MPS	AltCompR	05/06/2015	—	—	LANL 2015, 600419
Q008	CHQ-SMA-5.05	12/01/2010	In process	—	33-007(b)	MPS	MEx	10/31/2011	—	—	—
Q009	CHQ-SMA-6	02/11/2011	07/25/2013	08/29/2013	33-004(j)	MPS	CAM	08/10/2015	07/25/2021	—	—
					33-006(a)	MPS	CAM	08/10/2015	07/25/2021	—	—
					33-007(b)	MPS	CAM	08/10/2015	07/25/2021	—	—
					33-010(c)	MPS	CAM	08/10/2015	07/25/2021	—	—
					33-010(g)	MPS	CAM	08/10/2015	07/25/2021	—	—
					33-010(h)	MPS	CAM	08/10/2015	07/25/2021	—	—
					33-014	MPS	CAM	08/10/2015	07/25/2021	—	—
				08/25/2021	33-004(j)	MPS	CAM2	06/16/2022	In process	—	—
					33-006(a)	MPS	CAM2	06/16/2022	In process	—	—
					33-007(b)	MPS	CAM2	06/16/2022	In process	—	—
					33-010(c)	MPS	CAM2	06/16/2022	In process	—	—
					33-010(g)	MPS	CAM2	06/16/2022	In process	—	—

**Table 6 (continued)**

Permitted Feature	SMA	Baseline Controls Certification	Baseline Monitoring Completion	Corrective Action Initiation	Site Number	Priority	Compliance Status	Compliance Status Initiation	Enhanced Control Monitoring Completion	Corrective Action Completion	Reference
Q009 (cont.)	CHQ-SMA-6	02/11/2011	07/25/2013	08/25/2021	33-010(h)	MPS	CAM2	06/16/2022	In process	—	—
					33-014	MPS	CAM2	06/16/2022	In process	—	—
Q010	CHQ-SMA-7.1	02/11/2011	07/23/2018	09/26/2018	33-010(g)	MPS	CAM	04/21/2021	In process	—	—

Notes: Cells are shaded to indicate stages where corrective action is complete. Cells are shaded gray where all baseline confirmation monitoring results are less than TALs. Cells are shaded blue where 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). Cells are shaded orange where corrective action is complete with a certification that no pollutants are exposed to storm water per IP Part I.E.2(c). Cells are shaded yellow where 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 CoC under NMED's Consent Order per IP Part I.E.2(d). Cells are shaded green where a request for alternative compliance for the Site is pending. Cells are shaded pink where a request for alternative compliance was approved. Cells are shaded purple where a request for an extension resulting from a force majeure event is pending. NMED approval of SIRs and CoCs is required to complete corrective action under the 2010 Permit.

<sup>a</sup> MPS = Moderate-priority Site.

<sup>b</sup> CACompD = Corrective action is complete under the 2010 Permit with a CoC under NMED's Consent Order.

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

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

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

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

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

<sup>h</sup> Baseline monitoring was reinitiated at these SMAs (where one baseline sample had previously been collected with no TAL exceedances) in order to collect a second sample.

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

<sup>j</sup> HPS = High-priority Site.

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

<sup>l</sup> BEC = Enhanced controls are being built to initiate corrective action monitoring.

<sup>m</sup> FMCOC = Request for an extension resulting from force majeure event. NMED approval of SIR and CoCs required.

<sup>n</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>o</sup> AltCompA = Alternative compliance request approved.

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

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

<sup>r</sup> CAM3 = Third round of enhanced control monitoring continues until at least two samples are collected.

<sup>s</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 stormwater.

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

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 2010 Permit categorizes the Sites into high-priority Sites and moderate-priority Sites and established deadlines for corrective action based on this prioritization:

- Permittees are required to certify completion of corrective action at all high-priority Sites within 3 yr of the effective date of the 2010 Permit (October 31, 2013).
- Permittees are required to certify completion of corrective action at moderate-priority Sites within 5 yr of the effective date of the 2010 Permit (October 31, 2015).

The 3- and 5-yr deadlines may be modified by the 2010 Permit conditions described in Part I.E.3, Alternative Compliance; force majeure in Part I.E.4(b); or Part I.E.5, Additional Sampling Requirements; of the 2010 Permit. The Permittees were granted administrative continuance because EPA did not renew the IP before its expiration date. The continuance means Sites listed on the IP are required to continue to comply with the 2010 IP, even after its expiration, until a final renewed IP is issued. Because the 2022 IP was issued during the monitoring season in 2022 the Permittees have continued to implement the 2010 IP confirmation monitoring requirements for the 236 SMAs covered under both permits through the end of the reporting period and will begin confirmation monitoring requirements of the 2022 IP in 2023 as detailed in the SIP. Three SMAs were added to the 2022 Permit and are included in this SDPPP update, but confirmation monitoring will not begin until 2032 at these locations.

The 2010 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, 2022, 74 SMAs were in the baseline Permit phase and 176 SMAs were in the corrective action Permit phase. As Table 5 shows, 2 compliance status categories are used to describe the baseline Permit phase at 74 SMAs, and 14 compliance status categories are used to describe the corrective action Permit phase at 176 SMAs. The corrective action Permit phase is initiated, and baseline Permit phase ended, with the exceedance of a TAL during baseline confirmation monitoring conducted at an SMA.

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 5 describes each of the seven major compliance status categories and seven subcategories within them. The Permit compliance status categories for the 2022 annual reporting period are shown in Figure 1 and summarized in Table 5. Table 6 shows the SMA/Site combination compliance status for 497 SMA/Site combinations; note some SMA/Site combinations have dual paths.

### 3.1 Selecting a Compliance Path Following Corrective Action Initiation

If confirmation monitoring sample results demonstrate that one or more TALs are exceeded at a Site, Part I.E of the 2010 Permit required the Permittees to initiate corrective action. Corrective action consists of one of the following:

- enhanced control measures to meet the TAL,
- total retention of stormwater discharges from the Site,
- total elimination of exposure of pollutants to stormwater at the Site, or
- receipt of an NMED-issued CoC under the Consent Order. (This is no longer a pathway for corrective action in the 2022 IP but is presented in this overview to convey 2022 compliance status changes under the 2010 IP.)

If the Site is determined to be an unlikely source of the TAL exceedance and the Permittees are unable to certify completion of corrective action under the 2010 Permit Parts I.E.2(a) through (d), individually or collectively, the screening process may result in a recommendation that an alternative compliance request be submitted to EPA. The alternative compliance request presents the evidence for why the Site or Sites are not a source of the TAL exceedance. If the Site or Sites are determined to be a likely or potential source of the TAL exceedance, the Site or Sites are recommended to undergo alternatives analysis. The alternatives-analysis process evaluates the possible corrective action controls, including installation of enhanced controls, total retention, no exposure, and Site remediation. From this alternatives-evaluation process, the most appropriate control(s) is selected, designed, and implemented.

In the 2022 SIP, the Permittees provide updated information regarding the planned compliance path for each SMA/Site in corrective action where corrective action has not yet been completed and the path has changed from the previous year. In addition, information is provided to explain any delays that have occurred in completing corrective action planned. In 2022, all Sites regulated under the IP were in compliance. Table 7 summarizes site corrective actions planned in 2023.

**Table 7 Summary of Site Corrective Actions Planned in 2023**

SMA	Site(s)	Permitted Feature	Current Stage	Corrective Action Response
2M-SMA-2	03-050(d) 03-054(b)	E012	BEC <sup>a</sup>	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2013 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. Alternative compliance was requested for these Sites in 2015 under the 2010 IP. Refer to Table 6 for more information.
CDB-SMA-0.15	04-003(a) 04-004	C001	S7 <sup>b</sup>	Permittees are preparing an analysis of alternatives to complete corrective action under 2022 IP requirements after 2015 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. Alternative compliance was requested for these Sites in 2016 under the 2010 IP. Refer to Table 6 for more information.
CHQ-SMA-1.02	33-004(h) 33-008(c) 33-011(d) 33-015	Q002A	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2021 confirmation monitoring samples with TAL exceedances were reviewed in the SSD.
LA-SMA-1	00-017 C-00-044	L003	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2017 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. Site 00-017 was certified for completion of corrective action and alternative compliance was requested for Site C-00-044 in 2015 under the 2010 IP. Refer to Table 6 for more information.
M-SMA-10.3	35-014(e2) 35-016(i)	M013	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2011 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. These Sites were certified for completion of corrective action in 2013 under the 2010 IP. Refer to Table 6 for more information.

**Table 7 (continued)**

SMA	Site(s)	Permitted Feature	Current Stage	Corrective Action Response
M-SMA-12	35-016(p)	M015	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2015 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. This Site was certified for completion of corrective action in 2015 under the 2010 IP.
M-SMA-12.5	05-005(b) 05-006(c)	M016	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2015 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. These Sites were certified for completion of corrective action in 2019 under the 2010 IP. Refer to Table 6 for more information.
M-SMA-12.7	05-002 05-005(a) 05-006(b) 05-006(e)	M018	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2022 confirmation monitoring sample with TAL exceedances was preliminarily screened.
M-SMA-12.8	05-001(a) 05-002	M019	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2019 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. These Sites were certified for completion of corrective action in 2019 under the 2010 IP. Refer to Table 6 for more information.
M-SMA-12.9	05-001(b) 05-002	M020	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2015 confirmation monitoring sample with TAL exceedances was reviewed in the SSD. These Sites were certified for completion of corrective action in 2015 under the 2010 IP. Refer to Table 6 for more information.
M-SMA-13	05-001(c)	M022	BEC	Enhanced controls are being built to initiate corrective action monitoring under 2022 IP requirements after 2021 confirmation monitoring sample with TAL exceedances was reviewed in the SSD.
S-SMA-5.2	20-003(c)	S014	S7	Permittees are preparing an analysis of alternatives to complete corrective action.

<sup>a</sup> BEC = Enhanced controls are being built to initiate corrective action monitoring.

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

### 3.2 Analytical Results

All analytical results for the IP stormwater confirmation monitoring samples are available electronically from the Intellus New Mexico database (Intellus), 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. Press «continue» to select «All parameters».
7. 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.

The 2022 confirmation monitoring analytical results for metals, general inorganics, radioactivity, total PCBs, and other detected organics (e.g., parameters with TALs) are presented in Appendix B. The confirmation monitoring samples collected during 2022 are summarized in Table 8, which presents TAL exceedances that occurred in 2022. Additionally, the confirmation monitoring results, including TAL exceedances, are presented in the CSRs in Appendix E. The CSR result description definitions are provided in Table E-1.

The validated analytical monitoring results for the confirmation samples are compared with the applicable TALs established in Part I.C of the 2010 Permit. Appendix B Table B-3 summarizes the applicable MTAL and ATAL exceedances for the confirmation monitoring samples collected in 2022. The confirmation monitoring results are compared with the larger of the applicable MTAL or MQL and the larger of the applicable ATAL or MQL. If TALs are exceeded during enhanced control confirmation monitoring, corrective action is required as provided in Part I.E of the 2010 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 1.3.1, Control Measure Inspections, of this overview). Per Part I.I.6 of the 2010 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.

**Table 8 Summary of 2022 Confirmation Monitoring TAL Exceedances**

SMA	Field Sample ID	Stage	Sample Date	Analyte	Field Prep Code	Result	Unit	Validation Qualifier	ATAL <sup>a</sup>	Geo Mean	Geo Mean/ATAL Ratio	MTAL	Result/MTAL Ratio
3M-SMA-0.5	WT_IPC-22-241597	CAM5 <sup>b</sup>	7/27/2022	Copper	F <sup>c</sup>	5.85	µg/L	NQ	n/a <sup>d</sup>	n/a	n/a	4.30	1.36
3M-SMA-0.5	WT_IPC-22-241596	CAM5	7/27/2022	Gross alpha	UF <sup>e</sup>	304	pCi/L	NQ	15	304	20.27	n/a	n/a
A-SMA-2.8	WT_IPC-22-241316	MEx <sup>f</sup>	7/27/2022	Gross alpha	UF	669	pCi/L	J	15	669	44.60	n/a	n/a
A-SMA-2.8	WT_IPC-22-241316	MEx	7/27/2022	Selenium	UF	21.6	µg/L	NQ	5	21.6	4.32	20	1.08
A-SMA-3.5	WT_IPC-22-241741	MEx	7/12/2022	Gross alpha	UF	272	pCi/L	NQ	15	272	18.13	n/a	n/a
A-SMA-3.5	WT_IPC-22-241741	MEx	7/12/2022	Total PCB	UF	0.00155	µg/L	J	0.00064	0.00155	2.42	n/a	n/a
CHQ-SMA-1.01	WT_IPC-22-241332	MEx	7/12/2022	Copper	F	20	µg/L	NQ	n/a	n/a	n/a	4.30	4.65
CHQ-SMA-1.01	WT_IPC-22-241331	MEx	7/12/2022	Gross alpha	UF	169	pCi/L	NQ	15	169	11.27	n/a	n/a
CHQ-SMA-1.01	WT_IPC-22-241331	MEx	7/12/2022	Mercury	UF	151	µg/L	J	0.77	151	196.10	1.4	107.86
CHQ-SMA-1.01	WT_IPC-22-241331	MEx	7/12/2022	Selenium	UF	16.5	µg/L	NQ	5	16.5	3.30	20	0.83
CHQ-SMA-1.01	WT_IPC-22-241331	MEx	7/12/2022	Total PCB	UF	0.474	µg/L	J	0.00064	0.474	740.63	n/a	n/a
CHQ-SMA-6	WT_IPC-22-253332	CAM5-2 <sup>g</sup>	7/12/2022	Copper	F	35.5	µg/L	NQ	n/a	n/a	n/a	4.30	8.26
CHQ-SMA-6	WT_IPC-22-253334	CAM5-2	7/12/2022	Gross alpha	UF	211	pCi/L	NQ	15	211	14.10	n/a	n/a
DP-SMA-1	WT_IPC-22-241323	MEx	6/27/2022	Copper	F	9.86	µg/L	NQ	n/a	n/a	n/a	4.30	2.29
F-SMA-2	WT_IPC-22-241274	CAM5-2	7/27/2022	Aluminum	F	932	µg/L	NQ	n/a	n/a	n/a	750	1.24
F-SMA-2	WT_IPC-22-241274	CAM5-2	7/27/2022	Copper	F	10.7	µg/L	NQ	n/a	n/a	n/a	4.30	2.49
F-SMA-2	WT_IPC-22-241276	CAM5-2	7/27/2022	Gross alpha	UF	284	pCi/L	NQ	15	102.79	6.85	n/a	n/a
F-SMA-2	WT_IPC-22-241276	CAM5-2	7/27/2022	Selenium	UF	14.2	µg/L	NQ	5	9.91	1.98	20	0.71
M-SMA-12.7	WT_IPC-22-241388	MEx	8/16/2022	Gross alpha	UF	264	pCi/L	J	15	264	17.60	n/a	n/a

Table 8 (continued)

SMA	Field Sample ID	Stage	Sample Date	Analyte	Field Prep Code	Result	Unit	Validation Qualifier	ATAL <sup>a</sup>	Geo Mean	Geo Mean/ATAL Ratio	MTAL	Result/MTAL Ratio
M-SMA-12.7	WT_IPC-22-241388	MEx	8/16/2022	Mercury	UF	1.04	µg/L	NQ	0.77	1.04	1.35	1.4	0.74
M-SMA-3	WT_IPC-22-241569	CAM5	7/27/2022	Total PCB	UF	0.0152	µg/L	J	0.00064	0.0152	23.75	n/a	n/a
PJ-SMA-2	WT_IPC-22-241451	MEx	7/31/2022	Aluminum	F	4840	µg/L	NQ	n/a	n/a	n/a	750	6.45
PJ-SMA-2	WT_IPC-22-241451	MEx	7/31/2022	Copper	F	23.1	µg/L	NQ	n/a	n/a	n/a	4.30	5.37
PJ-SMA-2	WT_IPC-22-241451	MEx	7/31/2022	Zinc	F	95.6	µg/L	J	n/a	n/a	n/a	42	2.28
PJ-SMA-3.05	WT_IPC-22-253338	CAM5-2	7/20/2022	Copper	F	10.2	µg/L	NQ	n/a	n/a	n/a	4.30	2.37
PJ-SMA-3.05	WT_IPC-22-253340	CAM5-2	7/20/2022	Gross alpha	UF	16.8	pCi/L	NQ	15	16.8	1.12	n/a	n/a
PJ-SMA-5	WT_IPC-22-241267	CAM5-2	7/26/2022	Copper	F	141	µg/L	NQ	n/a	n/a	n/a	4.30	32.79
PJ-SMA-9	WT_IPC-22-241690	CAM5	7/27/2022	Copper	F	11	µg/L	NQ	n/a	n/a	n/a	4.30	2.56
PJ-SMA-9	WT_IPC-22-241688	CAM5	7/27/2022	Gross alpha	UF	47	pCi/L	NQ	15	24.81	1.65	n/a	n/a
PT-SMA-2	WT_IPC-22-241716	CAM5-2	8/11/2022	Copper	F	5.69	µg/L	NQ	n/a	n/a	n/a	4.30	1.32
PT-SMA-2	WT_IPC-22-241707	CAM5-2	8/11/2022	Gross alpha	UF	197	pCi/L	J	15	185.67	12.38	n/a	n/a
PT-SMA-3	WT_IPC-22-241526	CAM5	7/4/2022	Aluminum	F	1690	µg/L	NQ	n/a	n/a	n/a	750	2.25
PT-SMA-3	WT_IPC-22-241526	CAM5	7/4/2022	Copper	F	36.3	µg/L	NQ	n/a	n/a	n/a	4.30	8.44
PT-SMA-3	WT_IPC-22-241524	CAM5	7/4/2022	Gross alpha	UF	15.1	pCi/L	NQ	15	15.1	1.01	n/a	n/a
S-SMA-3.7	WT_IPC-22-241479	MEx	7/30/2022	Copper	F	127	µg/L	NQ	n/a	n/a	n/a	4.30	29.53
S-SMA-3.7	WT_IPC-22-241477	MEx	7/30/2022	Total PCB	UF	0.0381	µg/L	J	0.00064	0.00324	59.53	n/a	n/a
S-SMA-3.7	WT_IPC-22-241479	MEx	7/30/2022	Zinc	F	342	µg/L	NQ	n/a	n/a	n/a	42	8.14
S-SMA-6	WT_IPC-22-242151	CAM5-3 <sup>h</sup>	7/26/2022	Copper	F	30.2	µg/L	NQ	n/a	n/a	n/a	4.30	7.02
S-SMA-6	WT_IPC-22-242150	CAM5-3	7/26/2022	Gross alpha	UF	30.5	pCi/L	J	15	68.98	4.60	n/a	n/a

**Table 8 (continued)**

SMA	Field Sample ID	Stage	Sample Date	Analyte	Field Prep Code	Result	Unit	Validation Qualifier	ATAL <sup>a</sup>	Geo Mean	Geo Mean/ATAL Ratio	MTAL	Result/MTAL Ratio
S-SMA-6	WT_IPC-22-242151	CAM5-3	7/26/2022	Lead	F	42.3	µg/L	NQ	n/a	n/a	n/a	17	2.49
STRM-SMA-4.2	WT_IPC-22-241273	CAM5-2	7/4/2022	Aluminum	F	779	µg/L	NQ	n/a	n/a	n/a	750	1.04
STRM-SMA-4.2	WT_IPC-22-241273	CAM5-2	7/4/2022	Copper	F	4.67	µg/L	NQ	n/a	n/a	n/a	4.30	1.09
W-SMA-1.5	WT_IPC-22-241661	CAM5-2	7/4/2022	Aluminum	F	968	µg/L	NQ	n/a	n/a	n/a	750	1.29
W-SMA-1.5	WT_IPC-22-241661	CAM5-2	7/4/2022	Copper	F	9.14	µg/L	NQ	n/a	n/a	n/a	4.30	2.13
W-SMA-1.5	WT_IPC-22-241661	CAM5-2	7/4/2022	Zinc	F	218	µg/L	NQ	n/a	n/a	n/a	42	5.19
W-SMA-9.05	WT_IPC-22-241484	MEx2	6/26/2022	Copper	F	4.65	µg/L	NQ	n/a	n/a	n/a	4.30	1.08

Note: Validation qualifiers are presented in Appendix B, Table B-1.

<sup>a</sup> Comparisons with ATALs may include data from previous years of monitoring that are within the same monitoring stage.

<sup>b</sup> CAM5 = Corrective action enhanced control monitoring.

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

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

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

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

<sup>g</sup> CAM5-2 = Second round of corrective action enhanced control monitoring.

<sup>h</sup> CAM5-3 = Third round of corrective action enhanced control monitoring.

### 3.3 Sampler Operability

Beginning March 15, 2022, the Permittees started activating sampling equipment to continue ongoing 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 completed on November 18, 2022. During periods when samplers were active, inspections were conducted to confirm sampler operability and to retrieve stormwater 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, preservation, and shipment to off-site subcontracted analytical laboratories.

On average in 2022, the 250 IP SMAs experienced 34 storm events equaling or exceeding 0.1 in. in 24 hr. At the Laboratory's lower elevations, as few as 27 storms exceeded 0.1 in. in 24 hr at the RG267.4 rain gage, and at higher elevations, 42 storms exceeded 0.1 in. in 24 hr at RG240. Where monitoring was required, 148 sampler-days with precipitation greater than 0.1 in. were not monitored because sampling equipment was inoperable as described in the SMA's CSR in Appendix E and in section x.4 of the SMA chapter as applicable. Storm dates that occurred during periods of inoperability are listed in red text in the sampler inspection table (Table xxx-4, xxx-5, or xxx-6) as applicable. In 2022, sampling equipment was inspected on 917 different occasions. Samplers were capable of collecting measurable discharges during 874 inspections. In the aggregate, the sampling equipment was capable of collecting measurable discharge during 95% of inspections.

### 4.0 Guide to the Updated Information in the 2022 SDPPP Update, Volumes 1–5

This SDPPP Update maintains the previous five-volume watershed organizational structure for administrative convenience (Table 9). A detailed description of the changes between the 2010 IP and the 2022 IP is provided in the 2022 SIP (N3B 2023, 702608), and a summary follows.

- At the beginning of 2022 there were 405 permitted Sites and 15 additional Sites managed under the 2010 IP with a total of 461 SMA/Site combinations, as shown in Table 10.
- Effective August 1, 2022, a total of 39 Site/SMA combinations, affecting 23 SMAs, were removed from the Permit; 33 Sites and 14 SMAs were removed from the Permit; 24 Sites and 3 SMAs were added to the Permit.
- At the end of 2022 there were 397 Sites included on the Permit, which are monitored at 239 SMAs with a total of 436 Site/SMA combinations as shown in Table 10. For clarity, SMAs are uniquely and consecutively numbered from 1 to 239 across the five volumes, as presented in the fourth column of Table 9.

SDPPP Update chapters for activities conducted through July 31, 2022, at the 14 removed SMAs are included in Appendix F of this Overview, using their unique numbers from the 2010 Permit as presented in parentheses in the last column of Table 9. These SMAs are not included elsewhere in this annual SDPPP Update.

**Table 9 SDPPP Update Organizational Structure: Volume, Watershed, and Associated SMAs**

SDPPP Volume	Primary Watershed	Receiving Waters	SMA Numbers in the Volume Contents Table	SMAs in Overview Appendix F
Volume 1	Los Alamos/Pueblo	Rendija Canyon Bayo Canyon Pueblo Canyon DP Canyon Los Alamos Canyon	1–58	R-SMA-0.5 (1) R-SMA-2.05 (4) LA-SMA-6.27 (45) LA-SMA-6.36 (50) LA-SMA-10.11 (55) DP-SMA-4 (64)
Volume 2	Mortandad/Sandia	Mortandad Canyon Ten Site Canyon Cañada del Buey Sandia Canyon	59-118	S-SMA-4.5 (79) CDB-SMA-1.35 (89) CDB-SMA-1.54 (90) CDB-SMA-1.55 (91) CDB-SMA-1.65 (92) M-SMA-9.1 (106)
Volume 3	Pajarito	Pajarito Canyon Starmer Canyon Twomile Canyon Threemile Canyon	119-168	PJ-SMA-13 (163) PJ-SMA14 (165)
Volume 4	Water/Cañon de Valle	Cañon de Valle Potrillo Canyon Water Canyon Fence Canyon	169-218	None
Volume 5	Ancho/Chaquehui	Ancho Canyon Chaquehui Canyon	219-239	None

Note: The SMA numbers listed here were removed from the Permit effective August 1, 2022.

**Table 10 Permitted Features, SMAs, Sites, and Site/SMAs Summarized by Watershed**

Watershed	Number of Permitted Features/SMAs		Number of Sites		SMA/Site Combinations	
	2010 IP	2022 IP	2010 IP	2022 IP	2010 IP	2022 IP
Los Alamos/Pueblo	64	58	108	104	128	120
Sandia	19	20	23	25	23	25
Mortandad	45	40	96	86	106	94
Pajarito	51	50	62	58	65	62
Water/Cañon de Valle	50	50	92	87	95	90
Ancho	9	9	15	16	15	16
Chaquehui	12	12	24	24	29	29
<b>Total</b>	<b>250</b>	<b>239</b>	<b>420</b>	<b>400<sup>a</sup></b>	<b>461</b>	<b>436<sup>b</sup></b>

<sup>a</sup> A total of 397 Sites are permitted as of August 1, 2022. 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 397 to 400.

<sup>b</sup> In the Los Alamos/Pueblo watershed, Sites 00-017, 01-002(b)-00, and C-00-044 are each associated with 2 SMAs and Site 21-021 is associated with 14 SMAs. In the Mortandad watershed, Sites 35-004(a), 35-009(a), and 48-005 are each associated with 2 SMAs, Site 05-002 is associated with 3 SMAs, and Site 48-001 is associated with 4 SMAs. In the Pajarito watershed, Sites 09-013 and 40-001(c) are each associated with 2 SMAs and Site 54-017 is associated with 3 SMAs. In the Water/Cañon de Valle watershed, Sites 13-001, 13-002, and 16-029(h) are each associated with 2 SMAs. In the Chaquehui watershed, Sites 33-007(b), 33-007(c), 33-008(c), 33-010(g), and C-33-003 are each associated with 2 SMAs. Thus, these sites are counted multiple times, increasing the total number of Sites reported in this column from 397 to 436.

Thirty wetlands occupying approximately 30 acres in portions of 14 different technical areas throughout the Laboratory have been identified and delineated by the U.S. Army Corp of Engineers (USACE 2005, 092220). Appendix G of this overview provides more detail on the individual wetland characteristics, and a summary follows.

- The Los Alamos/Pueblo watershed contains, or may influence, five wetland areas totaling approximately 12.16 acres.
- The Mortandad/Sandia watershed contains, or may influence, eight wetland areas totaling approximately 5.39 acres.
- The Pajarito watershed contains, or may influence, 12 wetland areas totaling approximately 15.80 acres.
- The Water/Cañon de Valle watershed contains, or may influence, three wetland areas totaling approximately 0.23 acres.
- The Ancho/Chaquhui watershed does not contain or influence any wetlands.

The Site information, organized by SMA, has been updated as follows.

#### 4.1 Site Descriptions and Evaluation of Potential Pollutant Sources

Site descriptions have been updated to be consistent with the 2022 annual SIP document. A current project map is located at the end of each SMA chapter. These maps have been updated to include the coordinates of current sampling locations and estimates of the area of the Site(s) within the SMA boundary to satisfy requirements in the 2022 Permit Part E.1.a(8). Maps updated throughout the year will be posted on the IP website: <https://ext.em-la.doe.gov/ips/Home/SiteMonitoringAreaMaps>.

Part I.F.1.(d) of the 2010 Individual Permit required the Permittees to identify potential pollutants of concern associated with “industrial materials or activities” exposed to stormwater. As indicated in Part I.D. of the 2010 Permit, “pollutants of concern to be monitored are specified in Appendix B.” The identification of pollutants of concern listed in the 2010 Permit Appendix B did not indicate whether the pollutant is associated with historical industrial materials managed at the Site or with potential releases at the Site. With the exception of ceasing monitoring for constituents where monitoring samples did not exceed TALs, a Permit modification or renewal is required to remove or add specific monitoring requirements from Appendix B. All other additions or subtractions of constituents from the list of potential pollutants of concern discussed in this section do not change the Appendix B monitoring requirements of the 2010 Permit. Because the 2022 IP was issued during the monitoring season in 2022 the Permittees continued to perform all monitoring requirements as specified in the 2010 IP through the end of the calendar year.

The 2022 IP requires a standalone SIP that will be used to determine future monitoring requirements based on POCs from site history. The initial SIP was produced in January 2023 and includes the SSD and SAP for each SMA. The POC lists from that document are also presented in Table xxx-1 of each SMA chapter. The SIP will be updated annually per the 2022 Permit Part I.E.2. Updates may include, but are not limited to the following conditions:

- Confirmation monitoring samples are collected in previous year.
- Consent Order soil investigation reports with new soil data or new historical information regarding the Site(s) are published.
- Monitoring locations are changed.



## 4.2 Control Measures

This section in the SDPPP Update describes control measures that have been installed and are currently “active” as of the end of the 2022 calendar year. An active control measures table (Table xxx-2 in Volumes 1–5) is provided for each SMA and has been updated to include any controls installed and to remove any controls that were retired. Control measures may be retired for several reasons. For example, the lifespan of the control type may have expired, or the control measure may have been damaged by wildlife or flooding. In some cases, the retired control measure is replaced with an equal or more effective measure. Stormwater run-on, runoff, and erosion potential are assessed before controls are selected and installed at an SMA. The goal is to select and install controls to minimize the potential for erosion when stormwater runoff flows across an area; minimize sediment transport; retain transported sediment on-site; and divert, infiltrate, reuse, contain, or otherwise reduce stormwater run-on and runoff. A detailed assessment or alternatives analysis is performed for all SMAs that require the installation of enhanced controls. The alternatives-analysis process evaluates the possible corrective action controls, including installation of enhanced controls, total retention, no exposure, and Site remediation. From this alternatives-evaluation process, the most appropriate control(s) is selected, designed, and implemented. Alternatives-analysis documentation is maintained as a record alongside this SDPPP Update. The fact sheets in Appendix D of this Overview provide sufficient detail to identify and describe the baseline and enhanced control measures constructed at the Sites. Photographs of all baseline and enhanced controls that have been certified are available by following the Construction Certification link on the IP website: <https://ext.em-la.doe.gov/IPS/Home/ConstructionCertifications>.

Enhanced controls were installed and certified in 2022 at A-SMA-2, CHQ-SMA-6, PJ-SMA-3.05, PJ-SMA-11, and W-SMA-11.7. Enhanced control installations are planned to occur in 2023 at CHQ-SMA-1.02, M-SMA-12.7, and M-SMA-12.9. Changes in compliance status may result in the need for additional enhanced controls.

## 4.3 Inspections and Maintenance

The precipitation network for each watershed and precipitation event data for 2022 are presented in Appendix C of this Overview. Currently the precipitation network consists of 13 rain gages that are operated seasonally from approximately March through November. Additionally, met tower precipitation measurements are also used to determine when to perform inspections where rain gages are not used or during times when the full precipitation network is not operating (e.g., during winter months). The precipitation rain gage associated with the SMA is identified in the Volume 1–5 chapter for the particular SMA.

In addition to the inspection schedules identified in Section 1.3.1 the following inspections may occur as determined by the Permittees:

- verification inspections for enhanced controls (verification of the installation of enhanced controls), and verification inspections for active controls in proximity to Consent Order closure activities at TA-21 (verification to ensure sediment and runoff controls are working);
- field team lead assessments of non-Permittee (Triad- or Los Alamos County–) managed construction activities potentially impacting IP-managed Sites; and
- pre-SIP field walkdown inspections (performed before SIP group field visits to determine if the current SMA boundary is correct and if the current Site map accurately shows field controls; not currently required by the IP).

The SMA-specific control measures inspection tables are provided in each SMA chapter in Volumes 1–5. Post-storm rain event inspections are listed in Table xxx-3, and all other control measure inspection types that occurred at the SMA within the calendar year are presented in Table xxx-4, as applicable.

Maintenance is completed following inspections and is performed during the calendar year to address deficiencies, or potential deficiencies, in control measures as listed in the maintenance Table xxx-4 or xxx-5, as applicable. Actions described in the table include maintenance and/or installation activities that result from findings during inspections or from recommendations not derived from inspections. These recommendations are often made during planning stages to improve existing conditions at an SMA. This table is provided for each SMA where maintenance was performed. If no maintenance table is included for an SMA, then no maintenance was required to be performed during the calendar year.

The IP regulates approximately 2100 active structural control measures. Because of the number of active controls, maintenance must be prioritized and scheduled. Following the date of discovery of a potential maintenance item by the field inspection team, the discovery is reviewed by the Permittees' field team lead to determine the scope of maintenance required. Following the finalization of the maintenance/installation scope, a work order is issued to perform the maintenance with a target date for completion. Typically, the target date is set for 2–4 weeks from the date of discovery or the date a work order is issued for recommendation not derived from inspections. If the maintenance is performed within 30 days from that date, the table indicates that the maintenance was performed as soon as practicable.

Often, maintenance is delayed because of events outside the Permittees' control, such as Site access control restrictions by Laboratory active facilities; severe weather conditions (i.e., lightning stand-downs, red-flag fire weather work restrictions, winter weather); seasonal biological habitat restrictions (i.e., Mexican spotted owl); staffing limitations resulting from Site-wide rain events; and force majeure events (i.e., government shutdowns, EMCA status, phased operations because of COVID-19 conditions). If maintenance is delayed, but occurs within 31 to 60 days, the maintenance table states the maintenance was delayed. The delays in these cases are considered normal and further explanation is not provided in the maintenance table.

If the maintenance exceeds 60 days, the reason for the maintenance delay is noted in the SMA maintenance table. Any maintenance activities that are associated with enhanced controls typically take more than 60 days to complete because of the planning activities that are required as part of corrective action measure selection through the screening and alternatives-analysis process (see sections 3.1 and 4.2 for further information).

#### 4.4 Stormwater Monitoring

The monitoring section in the SDPPP Update presents a summary of the analytical stormwater data through the end of 2022, including date(s) of sample collection (if applicable), and comparison with the applicable 2010 IP TALs. The sampling plans for 2023 have been updated and are presented in the 2022 SIP (N3B, 702608). If the SMA was in a confirmation monitoring stage in 2022, all sampling equipment inspections are summarized in Table xxx-4, -5, or -6, as applicable. Any storm events of 0.1 in. in 24 hours occurring during periods of equipment inoperability are noted in this table and are detailed in Appendix E, the CSR.

Sampling locations were changed at thirteen SMAs in 2022 and are presented in Table 11. None of these SMAs were in a confirmation monitoring stage in 2022 under the 2010 IP requirements but the locations have been updated in preparation for monitoring in 2023 under the 2022 IP requirements. The current sampling location and SMA characteristics are shown in Figure xxx-1 in the SMA chapter (Volumes 1–5).

**Table 11 Minor Sampler Location Adjustments**

SMA	Station Number	Location ID	Effective Date	Reason	Monitoring Suite Following Sampler Move	Sample Collected Since Move
2M-SMA-2.2	SS223231	2M-SMA-2.2 at SS223231	12/30/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
CHQ-SMA-4.1	SS220623	CHQ-SMA-4.1 at SS220623	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
CDV-SMA-2	SS220431	CDV-SMA-2 at SS220431	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
LA-SMA-1.1	SS221054	LA-SMA-1.1 at SS221054	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
LA-SMA-1.25	SS221055	LA-SMA-1.25 at SS221055	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
LA-SMA-2.3	SS221056	LA-SMA-2.3 at SS221056	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
P-SMA-0.3	SS220809	P-SMA-0.3 at SS220809	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
P-SMA-2	SS220810	P-SMA-2 at SS220810	10/27/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
PJ-SMA-5.1	SS222347	PJ-SMA-5.1 at SS222347	08/22/2022	Sampler move per 2016–2018 SIP.	See 2022 SIP	No. Monitoring will be initiated in 2023
PJ-SMA-9.2	SS202346	PJ-SMA-9.2 at SS202346	12/31/2022	New monitoring location per 2022 IP.	See 2022 SIP	No. Monitoring will be initiated after certification of baseline control installation.
S-SMA-3.61	SS221645	S-SMA-3.61 at SS221645	12/31/2022	New monitoring location per 2022 IP.	See 2022 SIP	No. Monitoring will be initiated after certification of baseline control installation.
S-SMA-3.62	SS221646	S-SMA-3.62 at SS221646	12/31/2022	New monitoring location per 2022 IP.	See 2022 SIP	No. Monitoring will be initiated after certification of baseline control installation.
T-SMA-1	SS093713	T-SMA_1 at SS093713	12/31/2022	Sampler move per 2022 SSD review	See 2022 SIP	No. Monitoring will be initiated in 2023.

## 5.0 Public Involvement

### 5.1 Website Updates

The website structure is designed to make IP documents easy to locate. The major links from the header section of the home page (<https://ext.em-la.doe.gov/ips/>) are as follows:

- **SDPPP**—provides links to archived SDPPPs and updates (years 2010–2021), and monitoring and inspection procedures currently used by the PPT.
- **SITE MONITORING AREA MAPS**—provides a direct link to each project map; maps are organized by SDPPP volume and updated when any change is made.
- **REPORTS**—provides links to the annual reports, CSRs, and the TAL exceedance reports.
- **ALTERNATIVE COMPLIANCE**—provides links to the EPA submittal letter and alternative compliance package, provides links to underlying technical studies, and provides a placeholder for public comments and the Permittees’ response to be submitted to EPA.
- **MISCELLANEOUS EPA SUBMITTALS**—provides links to letters submitted to EPA regarding force majeure, boundary changes, requests to extend the Permit renewal application deadline, requests to delete Sites from the permit, and sample results after no exposure.
- **PUBLIC MEETINGS**—provides links to the agenda, presentations, and posters for all meetings held to date.
- **RENEWAL APPLICATION**—provides copies of the documentation related to the IP renewal process.
- **CONSTRUCTION CERTIFICATIONS**—provides links to the certification letters submitted to EPA following construction of enhanced controls and baseline controls and analytical results following construction certification.
- **CORRECTIVE ACTION**—provides links to letters submitted to EPA that certify analytical results below TALs, total retention construction, construction to eliminate exposure, and CoCs received from NMED under the Consent Order.
- **SAMPLING IMPLEMENTATION PLAN**—provides links to the Site/SMA maps that have sampler location evaluation completed as part of the SIP process.

### 5.2 Email Notification

The subscribe function to receive email notifications is located at <https://ext.em-la.doe.gov/ips/>.

A “Subscribe” link is available on the IP website, in the right column, which allows anyone with an email address to sign up to receive email updates about compliance with the Individual Permit. The public can also ask questions of the IP team from the link under “Get Expertise” in the right column.

### 5.3 Public Meetings

Public meetings are announced through the email notification process and in local newspapers.

The agenda and presentation notes for meetings held in 2022 are available on the Individual Permit website at <https://ext.em-la.doe.gov/IPS/Home/PublicMeetings>.



## 6.0 Watershed Protection Approach

Stormwater controls have been installed within each watershed where SMAs exist. These controls have been installed under a variety of programs, including, but not limited to, the Consent Order, MGSP, Construction General Permit, NPDES outfall permit, EISA stormwater guidance, post-fire runoff protection measures, flood mitigation, and general “good-housekeeping” practices. As a whole, these stormwater controls prevent erosion and reduce sediment discharge in the watershed. Each year, additional stormwater mitigation measures are being evaluated and installed throughout the Laboratory.

Under the Consent Order, some of the Permittees’ largest sediment transport mitigations have been installed in several watersheds, including in Sandia, Mortandad, Los Alamos, Ten Site, and Pueblo Canyons. The goal is to reduce the transport of sediment through a variety of means, including reducing the potentially erosive nature of stormwater runoff, enhancing deposition of sediment, and reducing or eliminating access of contaminated sediments to flood erosion. The specific mitigations include the DP Canyon grade-control structure and associated wetlands; two Pueblo Canyon grade-control structures, willow planting, wetlands, and erosion-control measures; the Los Alamos Canyon low-head weir and associated sediment-retention basins; the Mortandad Canyon sediment-retention basins (which are also IP baseline controls that have undergone significant upgrades from initial baseline control status); the Ten Site Canyon grade-control structure; and the Sandia Canyon grade-control structure and associated wetlands. In 2022, these installations were inspected biannually and after a stormwater runoff flow event(s) of greater than 50 cfs as measured at the nearest gaging station to the structure, either upstream and/or downstream. Maintenance is conducted to ensure these installations are working properly. Maintenance includes debris removal and minor/major repairs to a structure to maintain function. Sediment, stormwater, vegetation, and geomorphic monitoring are conducted in these watersheds to evaluate the effectiveness of the mitigations.



Pueblo Canyon grade-control structure

## Appendix A

### Acronyms and Glossary

All acronyms and abbreviations in the Overview and Volumes 1 through 5 of this report are included in this list and are not defined at first use in the Overview and in each volume.

#### Acronyms

ACA	accelerated corrective action
AEA	Atomic Energy Act
AltCompA	alternative compliance approved
AltCompR	alternative compliance requested
AOC	area of concern
AST	aboveground storage tank
ATAL	average target action level
AUA	annual unit audit
B	additional baseline control measure
BCComp	baseline confirmation complete
BCM	baseline control measure
BEC	building enhanced controls
BFM	bonded-fiber matrix
bgs	below ground surface
BMP	best management practice
BTV	background threshold value
BV	background value
CAComp	corrective action complete
CAI	corrective action initiated
CAM	enhanced control corrective action monitoring
CB	certified baseline control measure
CCN	change control notice
CEARP	Comprehensive Environmental Assessment and Response Program
CFR	Code of Federal Regulations
CI	cast iron
CISEC	Certified Inspector of Sediment and Erosion Control
CLP	Contract Laboratory Program
CME	corrective measures evaluation
CMP	corrugated metal pipe
CMR	Chemistry and Metallurgy Research
CNC	Chemistry and Nuclear Chemistry (former LANL division)

## Appendix A, Acronyms and Glossary (continued)

### Acronyms (continued)

CoC	certificate of completion (NMED)
COC	chain of custody
Consent Order	Compliance Order on Consent
COPC	chemical of potential concern
County	Los Alamos County
CPESC	Certified Professional in Erosion and Sediment Control
cpm	counts per minute
cfs	cubic feet per second
CSR	Compliance Status Report
CU	consolidated unit
CWA	Clean Water Act
CWWTP	Central Wastewater Treatment Plant
D&D	decontamination and decommissioning
DDT	dichlorodiphenyltrichloroethane
DelSiteR	delete site request
DL	detectable level
DoD	Department of Defense (U.S.)
DOE	Department of Energy (U.S.)
DP	Delta Prime
DRO	diesel range organics
DQO	data quality objective
DU	depleted uranium
EC	enhanced control
ECB	erosion-control blanket
EIM	Environmental Information Management (database)
EISA	Energy Independence and Security Act
EM	electromagnetic
EM	Environmental Management
EMCA	essential mission critical activities
EM-LA	Environmental Management Los Alamos Field Office (DOE)
EPA	Environmental Protection Agency (U.S.)
EQL	estimated quantitation limit
ER Project	Environmental Restoration Project
ET	evapotranspiration

## Appendix A, Acronyms and Glossary (continued)

### Acronyms (continued)

EX-ID	excavation permit identification
F	filtered
FFCA	Federal Facility Compliance Agreement
FGM	flexible-growth medium
FMCOG	force majeure certification of completion
FTL	field team leader
FV	fallout value
FY	fiscal year
GIS	geographic information system
GMX	Dynamic Weapons Testing Division (former LANL division)
GPR	ground-penetrating radar
GSA	General Services Administration
HDPE	high-density polyethylene
HE	high explosives
HEPA	high-efficiency particulate air (filter)
HEWTF	High Explosive Water Treatment Facility
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPS	high priority site
HRL	Health Research Laboratory
HRMS	high-resolution mass spectrometry
HSE	Health, Safety, and Environment (former LANL division)
HSE-7	Industrial Waste Group (LANL)
HVAC	heating, ventilation, and air conditioning
HWB	Hazardous Waste Bureau (NMED)
HWFP	Hazardous Waste Facility Permit
HYPO	high power (former reactor)
IA	interim action
ID	identification
IM	interim measure
Individual Permit	National Pollutant Discharge Elimination System Permit No. NM0030759
IP	Individual Permit
IWP	investigation work plan
Laboratory	Los Alamos National Laboratory
LAMC	Los Alamos Medical Center



## Appendix A, Acronyms and Glossary (continued)

### Acronyms (continued)

LANL	Los Alamos National Laboratory
LANS	Los Alamos National Security, LLC
LASCP	Los Alamos Site Characterization Program
LASL	Los Alamos Scientific Laboratory
LC/MS/MS	liquid chromatography/mass spectrometry/mass spectrometry
LLW	low-level waste
LOPO	low power (former reactor)
M&O	management and operating
MD	munitions debris
MDA	material disposal area
MDL	method detection limit
MEC	munitions and explosives of concern
MEx	baseline monitoring extended
mg/L	milligrams per liter
MLLW	mixed LLW
MPS	moderate-priority site
MQL	minimum quantification level
MSGP	Multi-Sector General Permit
MTAL	maximum target action level
NES	nuclear environmental site
NFA	no further action
ng/L	nanograms per liter
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
ND	not detected
NESHAP	National Emission Standards for Hazardous Air Pollutants (Clean Air Act)
NMAC	New Mexico Administrative Code
NMDOT	New Mexico Department of Transportation
NMED	New Mexico Environment Department
NNSA	National Nuclear Security Administration
NPDES	National Pollutant Discharge Elimination System
NSSB	National Security Sciences Building
NTISV	nontraditional in situ vitrification
OD	open detonation
OEW	ordnance and explosives waste

## Appendix A, Acronyms and Glossary (continued)

### Acronyms (continued)

OU	operable unit
OWR	Omega West Reactor
PAH	polycyclic aromatic hydrocarbon
PBX	plastic-bonded explosive (potassium butyl xanthate)
PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
Permit	Individual Permit
Permittees	DOE and N3B
PETN	pentaerythritol tetranitrate
PF	permitted feature
PHERMEX	Pulsed High-Energy Radiographic Machine Emitting X-Rays
POC	pollutant of concern
PPT	Pollution Prevention Team
PLS	pure live seed
PQL	practical quantitation limit
PRS	Potential Release Site (LANL database)
PVC	polyvinyl chloride
QA	quality assurance
QSM	Quality Systems Manual
RADS	radionuclides
RCRA	Resource Conservation and Recovery Act
RDX	Royal Demolition Explosive
RFI	RCRA facility investigation
RG	rain gauge
RLW	radioactive liquid waste
RLWTF	Radioactive Liquid Waste Treatment Facility
ROFF	runoff (control)
RON	run-on (control)
RTU	radio telemetry unit
SAA	satellite accumulation area
SAFR	small arms firing range
SAL	screening action level
SAP	sampling and analysis plan
SC	sediment control

## Appendix A, Acronyms and Glossary (continued)

### Acronyms (continued)

SCC	Strategic Computing Complex (LANL)
SDE	Spatial Database Engine
SDPPP	Site Discharge Pollution Prevention Plan
SERF	Sanitary Effluent Reclamation Facility
SIP	sampling implementation plan
SIR	supplemental investigation report
SMA	site monitoring area
SOM	shift operations manager
SSA	satellite storage area
SSD	site-specific demonstration
SSL	soil screening level
STORET	Storage and Retrieval (EPA database)
SUPO	super power (former reactor)
SVC/SVOC	semivolatile organic compound
SWMU	solid waste management unit
SWPP	Stormwater Pollution Prevention (team)
SWPPP	Stormwater Pollution Prevention Plan
SWQB	Surface Water Quality Bureau (NMED)
SWSC	Sanitary Wastewater Systems Consolidation (plant)
SWTS	Stormwater Tracking System
TA	technical area
TAL	target action level
TATB	triaminotrinitrobenzene
TCE	trichloroethene
TCLP	toxicity characteristic leaching procedure
TNT	trinitrotoluene(2,4,6-)
TPH	total petroleum hydrocarbons
Triad	Triad National Security, LLC
TRM	turf-reinforcement mat
TRU	transuranic
TSCA	Toxic Substances Control Act
TSD	treatment, storage, and disposal (unit)
TSTA	Tritium Systems Test Assembly
UF	unfiltered

## Appendix A, Acronyms and Glossary (continued)

### Acronyms (continued)

ULR	unassigned land release
USC	United States Code
USDOT	U.S. Department of Transportation
USFS	U.S. Forest Service
UST	underground storage tank
UTL	upper tolerance limit
UXO	unexploded ordnance
µg/L	micrograms per liter
VCA	voluntary corrective action
VCM	voluntary corrective measure
VCP	vittrified clay pipe
VOC	volatile organic compound
WBR	Water Boiler Reactor
WIPP	Waste Isolation Pilot Plant
WQDB	Water Quality Database
WWTF	wastewater treatment facility (Los Alamos County)
WWTP	wastewater treatment plant
XRF	x-ray fluorescence

## Appendix A, Acronyms and Glossary (continued)

### Glossary

**Alternative Compliance**—The Permittees may seek to place a Site into alternative compliance when the Permittees believe they have installed measures to minimize pollutants in their stormwater discharges but are unable to certify completion of corrective action within the deadlines established under Part I, Section E, Completion of Corrective Action. Compliance 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.

**Baseline Confirmation Complete**—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.

**Baseline Monitoring Extended**—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. 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.

**Building Enhanced Controls**—At least one sample was collected during confirmation monitoring and corrective action was initiated. The Permittees have selected the installation of enhanced control measures and enhanced control corrective action monitoring as a corrective action, and control selection, design, and/or installation is underway.

**Corrective Action Initiated**—A sample was collected during 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 stormwater, installing control measures that totally eliminate the exposure of pollutants, or receiving a CoC (with or without controls) 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,
- Control measures that totally retain and prevent the discharge of stormwater have been installed at the Site,
- Control measures that totally eliminate exposure of pollutants to stormwater have been installed at the Site, or
- The Site has achieved RCRA “no further action” status or a CoC, with or without controls, from NMED.

## Appendix B

# Analytical Monitoring Results

Part I.H.2(c) of the 2010 Permit requires that the annual report of 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 N3B for EM-LA, collectively the Permittees, in 2022.

This appendix also includes tables presenting analytical results for metals, general inorganic chemicals, radioactivity, PCBs, SVOCs, and HE. All analytical results for the Permit stormwater monitoring samples are available electronically in the Intellus New Mexico database (<http://intellusnm.com/>).

### Sampler Operations

Monitoring was initiated at 136 SMAs by the activation of samplers beginning in March 2022. In November 2022, 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 2010 Permit states that monitoring must be conducted according to test procedures approved in 40 CFR Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants," unless other test procedures have been specified in the Permit or approved by the EPA regional administrator. The following considerations apply in planning the sample collection and preparing the monitoring data set for reporting.

To determine the activity of the sum of the radium isotopes radium-226 + radium-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 pCi/L.

The State of New Mexico Standards for Interstate and Intrastate Surface Water (20.6.4 NMAC, 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 byproduct material as defined by the Atomic Energy Act (AEA) of 1954 (Subsection B of 20.6.4.7 NMAC).

EPA has defined "pollutant" for purposes of the NPDES Program under the federal Clean Water Act to exempt radioactive material regulated under the AEA of 1954. EPA regulations in 40 CFR 122, "EPA Administered Permit Programs" Subpart A, Section 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 accelerator-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 LANL, are included within the definition of "byproduct material" under the AEA [see 42 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 Standards for purposes of implementation of the Individual 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-emitting radionuclides present in environmental samples. Additional AEA-exempt alpha-emitting radionuclides not listed in these tables may be present in storm water.

However, methods available for excluding radon-222, uranium, or any special nuclear or 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, or byproduct materials; do not account for other source, special nuclear, or 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 baseline or corrective action confirmation monitoring samples collected in 2022 or during previous years.

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 B-1 to this appendix, as required by Appendix C of the 2010 Permit.

### Limitations of 40 CFR 136 Compliance

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

The 2010 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 stormwater monitoring. The Permittees are constantly reevaluating processes and reducing sample retrieval times. However, full compliance with the 15-min requirements may not be achievable at unstaffed locations. The following challenges make it difficult to fulfill the requirements of 40 CFR 136 associated with sample collection and preservation:

- According to 40 CFR 136, grab samples should be preserved by cooling within 15 min of collection. Analyses of weak acid dissociable cyanide, PCBs, HE, pesticides, dioxins, and SVOCs are subject to this cooling requirement. Because stormwater 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.
- According to 40 CFR 136, grab samples should 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 hr before analysis. Because stormwater 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 N3B 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 pre-deployed in open sample bottles. Further, the chemicals damage sampling equipment as they volatilize and come into contact with metal and electronic components.
- According to 40 CFR 136, grab samples for dissolved metals analysis should be filtered within 15 min of collection and before adding preservatives. Because stormwater 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. The Permittees have conducted field trials with different methods of automated in-line cartridge filtration and 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, stormwater analytical results undergo automatic data validation by EIM. 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 stormwater 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 TALs or with the applicable MQL value, whichever is greater, established in Part I.C of the 2010 Permit. The pollutant-specific MTAL, 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 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 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 2010 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 0 or ND may be used for reporting and action purposes. Four pollutants do not have a Permit-specified MQL value: radium-226 + radium-228, gross-alpha radiation, RDX, and 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 <.

Analytical results meet the N3B minimum DQOs as outlined in N3B-PLN-SDM-1000, “Sample and Data Management Plan.” N3B-PLN-SDM-1000 sets the validation frequency criteria at 100% Level 1 examination and Level 2 verification of data, and at 10% minimum Level 3 validation of data. A Level 1 examination assesses the completeness of the data as delivered from the analytical laboratory, identifies any reporting errors, and checks the usability of the data based on the analytical laboratory’s evaluation of the data. A Level 2 verification evaluates the data to determine the extent to which the laboratory met the analytical method and the contract-specific quality control and reporting requirements. A Level 3 validation includes Levels 1 and 2 criteria and determines the effect of potential anomalies encountered during analysis and possible effects on data quality and usability. A Level 3 validation is performed manually with method-specific data validation procedures. Laboratory analytical data are validated by N3B personnel as outlined in N3B-PLN-SDM-1000; N3B-AP-SDM-3000, “General Guidelines for Data Validation;” N3B-AP-SDM-3014, “Examination and Verification of Analytical Laboratory Data;” and additional method-specific analytical data validation procedures. All associated validation procedures have been developed, where applicable, from the EPA QA/G-8 “Guidance on Environmental Data Verification and Data Validation,” the “Department of Defense (DoD)/Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories,” the EPA

“Superfund CLP National Functional Guidelines for Data Review,” and the American National Standards Institute/American Nuclear Society 41.5: “Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation.”

Table B-4 presents compliance monitoring results.

## Reference

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 Validation Qualifier Definitions**

Qualifier	Definition
R	The data are unusable. (Note: Analyte may or may not be present.)
J-	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample but likely to have a low bias.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample but likely to have a high bias.
UJ	The analyte was analyzed for but not detected; the associated value is an estimate.
U	The analyte was analyzed for but not detected above the reported estimated quantitation limit.
NQ	The analyte was detected at or above the required detection level; no qualification is necessary.

**Table B-2 Analytical Laboratory Data Qualifier Definitions**

Qualifier	Definition
*	(Inorganic) The replicate analysis of this analyte was not within control limits.
B	This analyte was detected in the associated method blank and the sample.
E	(Inorganic) The serial dilution range for this analyte was exceeded. (Organic) The analyte concentration exceeded the upper level of the calibration range.
H	The required extraction or analysis holding time, or preservation, for this analyte was exceeded.
J	(Inorganic and Organic) This analyte was positively identified, but its concentration is estimated (between the MDL and the PQL).
N	(Inorganic) The associated laboratory spiked sample recovery was not within control limits for this analyte.
P	(Organic) The percent difference between an analyte’s concentrations from the two columns is greater than 40%; or the analyte was detected only on one column.
U	The chemical was analyzed for but was not detected above the MDL.
X	The laboratory analyst suspected this analyte was a nondetection despite positive quantification results.

**Table B-3 2010 Individual Permit 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
Radium-226 and Radium-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>					
Dichlorodiphenyltrichloroethane[4,4'-] 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
Endrin	72-20-8	39390	0.02	n/a	0.086

**Table B-3 (continued)**

<b>Pollutant (Total unless Otherwise Indicated)</b>	<b>Chemical Abstracts Service Number</b>	<b>STORET Code<sup>a</sup></b>	<b>MQL (µg/L)</b>	<b>ATAL (µg/L)</b>	<b>MTAL (µg/L)</b>
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>					
Total 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 AEA of 1954 (subsection B of 20.6.4.7 NMAC). N3B 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 IP Analytical Results**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F <sup>a</sup>	Aluminum	285	µg/L	EPA:200.8	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Antimony	1	µg/L	EPA:200.8	9/13/2022	U	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Arsenic	5.99	µg/L	EPA:200.8	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Boron	23.6	µg/L	EPA:200.7	9/13/2022	J	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Cadmium	0.3	µg/L	EPA:200.8	9/13/2022	U	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Chromium	3	µg/L	EPA:200.8	9/13/2022	U	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Cobalt	4.76	µg/L	EPA:200.7	9/13/2022	J	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Copper	2.62	µg/L	EPA:200.8	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241316	7/27/2022	UF <sup>b</sup>	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	9/13/2022	R	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241316	7/27/2022	UF	Gross alpha	669	pCi/L	EPA:900	9/13/2022	J	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Lead	2.19	µg/L	EPA:200.8	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241316	7/27/2022	UF	Mercury	0.58	µg/L	EPA:245.2	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Nickel	3.95	µg/L	EPA:200.8	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241316	7/27/2022	UF	Radium-226 and Radium-228	23	pCi/L	EPA:903.1	9/13/2022	NQ	Yes
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241316	7/27/2022	UF	Selenium	21.6	µg/L	EPA:200.8	9/13/2022	U	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Silver	0.3	µg/L	EPA:200.8	9/13/2022	U	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Thallium	0.6	µg/L	EPA:200.8	9/13/2022	U	No
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Vanadium	5.34	µg/L	EPA:200.7	9/13/2022	NQ	Yes

Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
A005	A-SMA-2.8	SS090206	N3B-2022-2805	WT_IPC-22-241317	7/27/2022	F	Zinc	6.97	µg/L	EPA:200.7	9/13/2022	J	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Aluminum	446	µg/L	EPA:200.8	8/12/2022	NQ	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Antimony	1	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Arsenic	2	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Boron	15	µg/L	EPA:200.7	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Chromium	3	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Cobalt	1.37	µg/L	EPA:200.7	8/12/2022	J	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Copper	2.08	µg/L	EPA:200.8	8/12/2022	NQ	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241741	7/12/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241741	7/12/2022	UF	Gross alpha	272	pCi/L	EPA:900	8/12/2022	NQ	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Lead	0.659	µg/L	EPA:200.8	8/12/2022	J	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241741	7/12/2022	UF	Mercury	0.09	µg/L	EPA:245.2	8/12/2022	J	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Nickel	0.734	µg/L	EPA:200.8	8/12/2022	J	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241741	7/12/2022	UF	Radium-226 and Radium-228	6.18	pCi/L	EPA:903.1	8/12/2022	NQ	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241741	7/12/2022	F	Selenium	4.51	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Silver	0.3	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/12/2022	U	No
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241741	7/12/2022	UF	Total PCB	0.00155	µg/L	EPA:1668	8/11/2022	J	Yes
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Vanadium	2.07	µg/L	EPA:200.7	8/12/2022	J	Yes

Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
A007	A-SMA-3.5	SS090208	N3B-2022-2278	WT_IPC-22-241742	7/12/2022	F	Zinc	38.5	µg/L	EPA:200.7	8/12/2022	NQ	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Aluminum	333	µg/L	EPA:200.8	8/05/2022	NQ	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Antimony	1	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Arsenic	2.88	µg/L	EPA:200.8	8/05/2022	J	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Boron	75.9	µg/L	EPA:200.7	8/05/2022	NQ	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Chromium	3	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Cobalt	1.21	µg/L	EPA:200.7	8/05/2022	J	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Copper	9.86	µg/L	EPA:200.8	8/05/2022	NQ	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241322	6/27/2022	UF <sup>c</sup>	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241322	6/27/2022	UF	Gross alpha	9.16	pCi/L	EPA:900	8/05/2022	NQ	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Lead	0.5	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241322	6/27/2022	UF	Mercury	0.067	µg/L	EPA:245.2	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Nickel	1.92	µg/L	EPA:200.8	8/05/2022	J	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241322	6/27/2022	UF	Radium-226 and Radium-228	2.01	pCi/L	EPA:903.1	8/05/2022	NQ	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241322	6/27/2022	F	Selenium	1.5	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Silver	0.3	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/05/2022	U	No
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241322	6/27/2022	UF	Total PCB	0.000119	µg/L	EPA:1668	8/09/2022	J	Yes
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Vanadium	5.51	µg/L	EPA:200.7	8/05/2022	NQ	Yes

**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
D004	DP-SMA-1	SS171908	N3B-2022-2153	WT_IPC-22-241323	6/27/2022	F	Zinc	10.8	µg/L	EPA:200.7	8/05/2022	J	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Aluminum	932	µg/L	EPA:200.8	8/30/2022	NQ	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Antimony	1	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Arsenic	2	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Boron	20	µg/L	EPA:200.7	8/30/2022	J	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Chromium	3	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Cobalt	1.87	µg/L	EPA:200.7	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Copper	10.7	µg/L	EPA:200.8	8/30/2022	NQ	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	UF	Gross alpha	284	pCi/L	EPA:900	8/30/2022	NQ	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Lead	0.919	µg/L	EPA:200.8	8/30/2022	J	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	UF	Mercury	0.409	µg/L	EPA:245.2	8/30/2022	NQ	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Nickel	1.17	µg/L	EPA:200.8	8/30/2022	J	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	UF	Radium-226 and Radium-228	14.8	pCi/L	EPA:903.1	8/30/2022	NQ	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	UF	RDX	1.21	µg/L	SW-846:8330	8/30/2022	J	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	F	Selenium	14.2	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Silver	0.3	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/30/2022	U	No
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241276	7/27/2022	UF	TNT	0.4	µg/L	SW-846:8330	8/30/2022	U	No



**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Vanadium	5.07	µg/L	EPA:200.7	8/30/2022	NQ	Yes
F001	F-SMA-2	SS152402	N3B-2022-2418	WT_IPC-22-241274	7/27/2022	F	Zinc	3.3	µg/L	EPA:200.7	8/30/2022	U	No
H003	3M-SMA-0.5	SS141505	N3B-2022-2517	WT_IPC-22-241597	7/27/2022	F	Copper	5.85	µg/L	EPA:200.8	8/30/2022	NQ	Yes
H003	3M-SMA-0.5	SS141505	N3B-2022-2517	WT_IPC-22-241596	7/27/2022	UF	Gross alpha	304	pCi/L	EPA:900	8/30/2022	NQ	Yes
H003	3M-SMA-0.5	SS141505	N3B-2022-2517	WT_IPC-22-241596	7/27/2022	UF	RDX	0.4	µg/L	SW-846:8330	8/30/2022	U	No
H003	3M-SMA-0.5	SS141505	N3B-2022-2517	WT_IPC-22-241596	7/27/2022	UF	TNT	0.4	µg/L	SW-846:8330	8/30/2022	U	No
I004	PT-SMA-2	SS2658	N3B-2022-2807	WT_IPC-22-241716	8/11/2022	F	Copper	5.69	µg/L	EPA:200.8	9/13/2022	NQ	Yes
I004	PT-SMA-2	SS2658	N3B-2022-2807	WT_IPC-22-241707	8/11/2022	UF	Gross alpha	197	pCi/L	EPA:900	9/13/2022	J	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Aluminum	1690	µg/L	EPA:200.8	8/05/2022	NQ	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Antimony	1	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Arsenic	2	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Boron	33.3	µg/L	EPA:200.7	8/05/2022	J	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Chromium	3	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Cobalt	2.33	µg/L	EPA:200.7	8/05/2022	J	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Copper	36.3	µg/L	EPA:200.8	8/05/2022	NQ	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	UF	Gross alpha	15.1	pCi/L	EPA:900	8/05/2022	NQ	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Lead	0.82	µg/L	EPA:200.8	8/05/2022	J	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	UF	Mercury	0.241	µg/L	EPA:245.2	8/05/2022	NQ	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Nickel	2.58	µg/L	EPA:200.8	8/05/2022	NQ	Yes

**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	UF	Radium-226 and Radium-228	1.59	pCi/L	EPA:903.1	8/05/2022	NQ	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	UF	RDX	0.0909	µg/L	SW-846:8330	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	F	Selenium	1.5	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Silver	0.3	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241524	7/4/2022	UF	TNT	0.0909	µg/L	SW-846:8330	8/05/2022	U	No
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Vanadium	3.16	µg/L	EPA:200.7	8/05/2022	J	Yes
I005	PT-SMA-3	SS184822	N3B-2022-2159	WT_IPC-22-241526	7/4/2022	F	Zinc	7.8	µg/L	EPA:200.7	8/05/2022	J	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Aluminum	4840	µg/L	EPA:200.8	8/31/2022	NQ	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Antimony	10	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Arsenic	20	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Boron	169	µg/L	EPA:200.7	8/31/2022	J	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Cadmium	3	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Chromium	30	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Cobalt	10	µg/L	EPA:200.7	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Copper	23.1	µg/L	EPA:200.8	8/31/2022	NQ	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241450	7/31/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241450	7/31/2022	UF	Gross alpha	11.3	pCi/L	EPA:900	8/31/2022	NQ	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Lead	5	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241450	7/31/2022	UF	Mercury	0.067	µg/L	EPA:245.2	8/31/2022	U	No

Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Nickel	11.4	µg/L	EPA:200.8	8/31/2022	J	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241450	7/31/2022	UF	Radium-226 and Radium-228	1.12	pCi/L	EPA:903.1	8/31/2022	J	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241450	7/31/2022	F	Selenium	15	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Silver	3	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Thallium	6	µg/L	EPA:200.8	8/31/2022	U	No
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Vanadium	22.6	µg/L	EPA:200.7	8/31/2022	J	Yes
J002	PJ-SMA-2	SS2422	N3B-2022-2622	WT_IPC-22-241451	7/31/2022	F	Zinc	95.6	µg/L	EPA:200.7	8/31/2022	J	Yes
J003	PJ-SMA-3.05	SS172343	N3B-2022-2359	WT_IPC-22-253338	7/20/2022	F	Copper	10.2	µg/L	EPA:200.8	8/22/2022	NQ	Yes
J003	PJ-SMA-3.05	SS172343	N3B-2022-2359	WT_IPC-22-253340	7/20/2022	UF	Gross alpha	16.8	pCi/L	EPA:900	8/22/2022	NQ	Yes
J003	PJ-SMA-3.05	SS172343	N3B-2022-2686	WT_IPC-22-253339	8/6/2022	F	Copper	2.74	µg/L	EPA:200.8	9/09/2022	NQ	Yes
J003	PJ-SMA-3.05	SS172343	N3B-2022-2686	WT_IPC-22-253341	8/6/2022	UF	Gross alpha	14.3	pCi/L	EPA:900	9/09/2022	NQ	Yes
J005	PJ-SMA-5	SS24254	N3B-2022-2390	WT_IPC-22-241267	7/26/2022	F	Copper	141	µg/L	EPA:200.8	8/25/2022	NQ	Yes
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Aluminum	124	µg/L	EPA:200.8	8/30/2022	NQ	Yes
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Antimony	1	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Arsenic	2	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Benzo(a)pyrene	0.0324	µg/L	EPA:625.1	8/30/2022	UJ	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Benzo(a)pyrene	0.0326	µg/L	EPA:625.1	8/30/2022	UJ	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Boron	15	µg/L	EPA:200.7	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Chromium	3	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Cobalt	2.53	µg/L	EPA:200.7	8/30/2022	U	No

**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Copper	11	µg/L	EPA:200.8	8/30/2022	NQ	Yes
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Gross alpha	47	pCi/L	EPA:900	8/30/2022	NQ	Yes
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Lead	0.5	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Mercury	0.081	µg/L	EPA:245.2	8/30/2022	J	Yes
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Nickel	0.6	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Pentachlorophenol	3.26	µg/L	EPA:625.1	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	Radium-226 and Radium-228	1.75	pCi/L	EPA:903.1	8/30/2022	NQ	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	RDX	0.4	µg/L	SW-846:8330	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	F	Selenium	3.85	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Silver	0.3	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241688	7/27/2022	UF	TNT	0.4	µg/L	SW-846:8330	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Vanadium	1	µg/L	EPA:200.7	8/30/2022	U	No
J010	PJ-SMA-9	SS2427	N3B-2022-2508	WT_IPC-22-241690	7/27/2022	F	Zinc	7.81	µg/L	EPA:200.7	8/30/2022	J	Yes
J030	STRM-SMA-4.2	SS173009	N3B-2022-2137	WT_IPC-22-241273	7/4/2022	F	Aluminum	779	µg/L	EPA:200.8	8/03/2022	NQ	Yes
J030	STRM-SMA-4.2	SS173009	N3B-2022-2137	WT_IPC-22-241273	7/4/2022	F	Copper	4.67	µg/L	EPA:200.8	8/03/2022	NQ	Yes
J030	STRM-SMA-4.2	SS173009	N3B-2022-2137	WT_IPC-22-241273	7/4/2022	F	Silver	0.451	µg/L	EPA:200.8	8/03/2022	J	Yes
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Aluminum	132	µg/L	EPA:200.8	8/31/2022	NQ	Yes
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Antimony	1	µg/L	EPA:200.8	8/31/2022	U	No

Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Arsenic	2	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Boron	15	µg/L	EPA:200.7	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Chromium	3	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Cobalt	1	µg/L	EPA:200.7	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Copper	3.74	µg/L	EPA:200.8	8/31/2022	NQ	Yes
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241569	7/27/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Lead	0.5	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241569	7/27/2022	UF	Mercury	0.067	µg/L	EPA:245.2	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Nickel	0.6	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241569	7/27/2022	UF	Radium-226 and Radium-228	1.21	pCi/L	EPA:903.1	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241569	7/27/2022	F	Selenium	1.5	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Silver	0.3	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241569	7/27/2022	UF	Total PCB	0.0152	µg/L	EPA:1668	9/09/2022	J	Yes
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Vanadium	1	µg/L	EPA:200.7	8/31/2022	U	No
M003	M-SMA-3	SS1985	N3B-2022-2519	WT_IPC-22-241568	7/27/2022	F	Zinc	34.4	µg/L	EPA:200.7	8/31/2022	NQ	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Aluminum	741	µg/L	EPA:200.8	9/16/2022	NQ	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Antimony	1	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Arsenic	2	µg/L	EPA:200.8	9/16/2022	U	No

Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Benzo(a)pyrene	0.0313	µg/L	EPA:625.1	9/16/2022	UJ	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Boron	15	µg/L	EPA:200.7	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Cadmium	0.3	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Chromium	3	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Cobalt	3.06	µg/L	EPA:200.7	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Copper	2.9	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Gross alpha	264	pCi/L	EPA:900	9/16/2022	J	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Hexachlorobenzene	0.00665	µg/L	SW-846:8081B	9/16/2022	R	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Hexachlorobenzene	0.0116	µg/L	SW-846:8081B	9/16/2022	J-	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Lead	0.738	µg/L	EPA:200.8	9/16/2022	J	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Mercury	1.04	µg/L	EPA:245.2	9/16/2022	NQ	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Nickel	0.906	µg/L	EPA:200.8	9/16/2022	J	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Pentachlorophenol	3.13	µg/L	EPA:625.1	9/16/2022	UJ	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	Radium-226 and Radium-228	6.9	pCi/L	EPA:903.1	9/16/2022	J+	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	RDX	0.084	µg/L	SW-846:8330	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	F	Selenium	4.61	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Silver	0.3	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Thallium	0.6	µg/L	EPA:200.8	9/16/2022	U	No
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241388	8/16/2022	UF	TNT	0.084	µg/L	SW-846:8330	9/16/2022	U	No

Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Vanadium	3	µg/L	EPA:200.7	9/16/2022	J	Yes
M018	M-SMA-12.7	SS2023	N3B-2022-2860	WT_IPC-22-241389	8/16/2022	F	Zinc	3.3	µg/L	EPA:200.7	9/16/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Aluminum	113	µg/L	EPA:200.8	8/12/2022	NQ	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Antimony	1	µg/L	EPA:200.8	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Arsenic	2	µg/L	EPA:200.8	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Boron	17.2	µg/L	EPA:200.7	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Cadmium	0.714	µg/L	EPA:200.8	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Chromium	3.65	µg/L	EPA:200.8	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Cobalt	1	µg/L	EPA:200.7	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Copper	20	µg/L	EPA:200.8	8/12/2022	NQ	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241331	7/12/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241331	7/12/2022	UF	Gross alpha	169	pCi/L	EPA:900	8/12/2022	NQ	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Lead	0.836	µg/L	EPA:200.8	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241331	7/12/2022	UF	Mercury	151	µg/L	EPA:245.2	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Nickel	1.39	µg/L	EPA:200.8	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241331	7/12/2022	UF	Radium-226 and Radium-228	2.42	pCi/L	EPA:903.1	8/12/2022	J	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241331	7/12/2022	F	Selenium	16.5	µg/L	EPA:200.8	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Silver	0.3	µg/L	EPA:200.8	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/12/2022	U	No
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241331	7/12/2022	UF	Total PCB	0.474	µg/L	EPA:1668	8/11/2022	J	Yes

**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Vanadium	9.98	µg/L	EPA:200.7	8/12/2022	NQ	Yes
Q002	CHQ-SMA-1.01	SS090612	N3B-2022-2260	WT_IPC-22-241332	7/12/2022	F	Zinc	30.6	µg/L	EPA:200.7	8/12/2022	NQ	Yes
Q009	CHQ-SMA-6	SS3377	N3B-2022-2250	WT_IPC-22-253332	7/12/2022	F	Copper	35.5	µg/L	EPA:200.8	8/12/2022	NQ	Yes
Q009	CHQ-SMA-6	SS3377	N3B-2022-2250	WT_IPC-22-253334	7/12/2022	UF	Gross alpha	211	pCi/L	EPA:900	8/12/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Aluminum	228	µg/L	EPA:200.8	9/16/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Antimony	4.64	µg/L	EPA:200.8	9/16/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Arsenic	2.75	µg/L	EPA:200.8	9/16/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Boron	56.9	µg/L	EPA:200.7	9/16/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Cadmium	0.62	µg/L	EPA:200.8	9/16/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Chromium	17.4	µg/L	EPA:200.8	9/16/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Cobalt	2.77	µg/L	EPA:200.7	9/16/2022	U	No
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Copper	127	µg/L	EPA:200.8	9/16/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241477	7/30/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	9/16/2022	R	No
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241477	7/30/2022	UF	Gross alpha	3.15	pCi/L	EPA:900	9/16/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Lead	1.34	µg/L	EPA:200.8	9/16/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241477	7/30/2022	UF	Mercury	0.092	µg/L	EPA:245.2	9/16/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Nickel	3.66	µg/L	EPA:200.8	9/16/2022	NQ	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241477	7/30/2022	UF	Radium-226 and Radium-228	2.17	pCi/L	EPA:903.1	9/16/2022	J+	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241477	7/30/2022	F	Selenium	1.5	µg/L	EPA:200.8	9/16/2022	U	No
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Silver	0.3	µg/L	EPA:200.8	9/16/2022	U	No



Table B-4 (continued)

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Thallium	0.6	µg/L	EPA:200.8	9/16/2022	U	No
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241477	7/30/2022	UF	Total PCB	0.0381	µg/L	EPA:1668	9/20/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Vanadium	2.46	µg/L	EPA:200.7	9/16/2022	J	Yes
S007	S-SMA-3.7	SS181644	N3B-2022-2884	WT_IPC-22-241479	7/30/2022	F	Zinc	342	µg/L	EPA:200.7	9/16/2022	NQ	Yes
S016	S-SMA-6	SS171637	N3B-2022-2512	WT_IPC-22-242151	7/26/2022	F	Aluminum	261	µg/L	EPA:200.8	8/30/2022	NQ	Yes
S016	S-SMA-6	SS171637	N3B-2022-2512	WT_IPC-22-242151	7/26/2022	F	Copper	30.2	µg/L	EPA:200.8	8/30/2022	NQ	Yes
S016	S-SMA-6	SS171637	N3B-2022-2512	WT_IPC-22-242150	7/26/2022	UF	Gross alpha	30.5	pCi/L	EPA:900	8/30/2022	J	Yes
S016	S-SMA-6	SS171637	N3B-2022-2512	WT_IPC-22-242151	7/26/2022	F	Lead	42.3	µg/L	EPA:200.8	8/30/2022	NQ	Yes
S016	S-SMA-6	SS171637	N3B-2022-2512	WT_IPC-22-242150	7/26/2022	UF	Total PCB	0	µg/L	EPA:1668	9/14/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Aluminum	968	µg/L	EPA:200.8	8/25/2022	NQ	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Antimony	1	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Arsenic	2	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Boron	18.4	µg/L	EPA:200.7	8/25/2022	J	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Chromium	3	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Cobalt	1.11	µg/L	EPA:200.7	8/25/2022	J	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Copper	9.14	µg/L	EPA:200.8	8/25/2022	NQ	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241660	7/04/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241660	7/04/2022	UF	Gross alpha	2.76	pCi/L	EPA:900	8/25/2022	UJ	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Lead	1.81	µg/L	EPA:200.8	8/25/2022	J	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241660	7/04/2022	UF	Mercury	0.067	µg/L	EPA:245.2	8/25/2022	U	No

**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Nickel	1.59	µg/L	EPA:200.8	8/25/2022	J	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241660	7/04/2022	UF	Radium-226 and Radium-228	1.36	pCi/L	EPA:903.1	8/08/2022	J+	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241660	7/04/2022	F	Selenium	1.5	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Silver	0.3	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/25/2022	U	No
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Vanadium	3.08	µg/L	EPA:200.7	8/25/2022	J	Yes
W002	W-SMA-1.5	SS153942	N3B-2022-2185	WT_IPC-22-241661	7/04/2022	F	Zinc	218	µg/L	EPA:200.7	8/25/2022	NQ	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Aluminum	372	µg/L	EPA:200.8	8/10/2022	J	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Antimony	1	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Arsenic	2.2	µg/L	EPA:200.8	8/10/2022	J	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Boron	41.5	µg/L	EPA:200.7	8/10/2022	J	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Cadmium	0.3	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Chromium	3	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Cobalt	1	µg/L	EPA:200.7	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Copper	4.65	µg/L	EPA:200.8	8/10/2022	NQ	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	UF	Cyanide, weak acid dissociable	0.00167	mg/L	SM:4500CN-I	7/29/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	UF	Gross alpha	4.06	pCi/L	EPA:900	8/10/2022	NQ	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Lead	0.5	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	UF	Mercury	0.067	µg/L	EPA:245.2	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Nickel	1.63	µg/L	EPA:200.8	8/10/2022	J	Yes

**Table B-4 (continued)**

Permitted Feature	SMA	Station Number	Chain of Custody Number	Field Sample ID	Sample Date	Field Preparation	Parameter	Result	Unit	Lab Method	Validated Date	Validation Qualifier	Detected
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	UF	Radium-226 and Radium-228	1.3	pCi/L	EPA:903.1	7/29/2022	J	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	UF	RDX	0.362	µg/L	SW-846:8330	7/29/2022	NQ	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	F	Selenium	1.5	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Silver	0.3	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Thallium	0.6	µg/L	EPA:200.8	8/10/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241483	6/26/2022	UF	TNT	0.093	µg/L	SW-846:8330	7/29/2022	U	No
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Vanadium	3.25	µg/L	EPA:200.7	8/10/2022	J	Yes
W013	W-SMA-9.05	SS093914	N3B-2022-2044	WT_IPC-22-241484	6/26/2022	F	Zinc	7.55	µg/L	EPA:200.7	8/10/2022	J	Yes

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

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

## Attachment B-1 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
06/27/2022	07/22/2022	N3B-2022-2167	DP-SMA-1	WT_IPC-22-241322
07/12/2022	07/27/2022	N3B-2022-2299	CHQ-SMA-1.03*	WT_IPC-22-241726
07/12/2022	07/23/2022	N3B-2022-2299	A-SMA-3.5	WT_IPC-22-241741
07/12/2022	07/23/2022	N3B-2022-2299	CHQ-SMA-1.01	WT_IPC-22-241331
07/26/2022	09/13/2022	N3B-2022-2525	S-SMA-6	WT_IPC-22-242150
07/27/2022	10/20/2022	N3B-2022-3064	ACID-SMA-1.05	WT_IPC-22-241489
07/27/2022	09/01/2022	N3B-2022-2653	M-SMA-3	WT_IPC-22-241569
07/30/2022	09/17/2022	N3B-2022-3064	CHQ-SMA-2	WT_IPC-22-241252
07/30/2022	09/16/2022	N3B-2022-2901	S-SMA-3.7	WT_IPC-22-241477

\* Investigative sample. Stormwater did not trigger the ISCO until more than 1 hr after the 30-min maximum precipitation intensity.

### Blank Population Summary

Date Range	Associated Chains of Custody
July 1–July 31, 2022	N3B-2022-2167, N3B-2022-2299
September 1–September 30, 2022	N3B-2022-2525, N3B-2022-2653, N3B-2022-2901
October 1–October 31, 2022	N3B-2022-3064

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-JUL-22 to 31-JUL-22

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	2.25	1.32	4.89	
3-Chlorobiphenyl (2)	pg/L	2.66	1.55	5.76	
4-Chlorobiphenyl (3)	pg/L	2.42	1.61	5.64	
2,2'-Dichlorobiphenyl (4)	pg/L	16.4	12.7	41.7	
2,3-Dichlorobiphenyl (5)	pg/L	13.5	11.2	35.8	
2,3'-Dichlorobiphenyl (6)	pg/L	10.9	8.73	28.3	
2,4-Dichlorobiphenyl (7)	pg/L	11.2	9.19	29.6	
2,4'-Dichlorobiphenyl (8)	pg/L	9.65	7.8	25.2	
2,5-Dichlorobiphenyl (9)	pg/L	13	10.6	34.1	
2,6-Dichlorobiphenyl (10)	pg/L	10.5	10.1	30.7	
3,3'-Dichlorobiphenyl (11)	pg/L	18.6	14.5	47.6	
3,4-Dichlorobiphenyl (12)	pg/L	11.7	9.55	30.8	
3,5-Dichlorobiphenyl (14)	pg/L	12.2	10	32.3	
4,4'-Dichlorobiphenyl (15)	pg/L	12.9	11.8	36.6	
2,2',3-Trichlorobiphenyl (16)	pg/L	2.79	2.27	7.33	
2,2',4-Trichlorobiphenyl (17)	pg/L	3.04	2.57	8.17	
2,2',5-Trichlorobiphenyl (18)	pg/L	2.58	2.18	6.95	
2,2',6-Trichlorobiphenyl (19)	pg/L	3.04	2.08	7.21	
2,3,3'-Trichlorobiphenyl (20)	pg/L	2.31	2.02	6.34	
2,3,4-Trichlorobiphenyl (21)	pg/L	2.13	1.83	5.78	
2,3,4'-Trichlorobiphenyl (22)	pg/L	2.38	2.07	6.53	
2,3,5-Trichlorobiphenyl (23)	pg/L	2.21	1.87	5.94	
2,3,6-Trichlorobiphenyl (24)	pg/L	2.49	2.17	6.83	
2,3',4-Trichlorobiphenyl (25)	pg/L	1.98	1.69	5.37	
2,3',5-Trichlorobiphenyl (26)	pg/L	2.23	1.92	6.08	
2,3',6-Trichlorobiphenyl (27)	pg/L	2.38	2.04	6.45	
2,4',5-Trichlorobiphenyl (31)	pg/L	2.17	1.88	5.92	
2,4',6-Trichlorobiphenyl (32)	pg/L	2.14	1.85	5.84	
2',3,5-Trichlorobiphenyl (34)	pg/L	2.49	2.15	6.79	
3,3',4-Trichlorobiphenyl (35)	pg/L	2.76	2.33	7.42	
3,3',5-Trichlorobiphenyl (36)	pg/L	2.55	2.26	7.07	
3,4,4'-Trichlorobiphenyl (37)	pg/L	3.07	2.94	8.95	
3,4,5-Trichlorobiphenyl (38)	pg/L	2.77	2.42	7.61	
3,4',5-Trichlorobiphenyl (39)	pg/L	2.81	2.37	7.54	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	3.13	2.29	7.71	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	5.06	3.64	12.3	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	3.42	2.38	8.18	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	3.92	2.58	9.08	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	3.27	2.45	8.18	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	2.46	2.23	6.92	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	2.49	2.24	6.97	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	3.59	2.68	8.95	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	2.93	2.17	7.27	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	2.36	2.13	6.62	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	3.9	2.94	9.78	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	1.57	1.15	3.87	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-JUL-22 to 31-JUL-22

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	2.8	2.06	6.92	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	2.97	2.3	7.58	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	2.78	2.14	7.06	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	2.82	2.2	7.22	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	2.75	2.08	6.9	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	2.86	2.19	7.23	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	2.77	2.13	7.02	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	2.81	2.19	7.18	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	2.55	1.87	6.29	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	2.95	2.35	7.64	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	2.39	1.83	6.04	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	2.55	1.97	6.49	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	2.65	2.02	6.68	
2,3',5,6-Tetrachlorobiphenyl (73)	pg/L	2.6	1.96	6.51	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	3.45	3.07	9.59	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	3.42	2.73	8.87	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	2.86	2.33	7.52	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	2.48	1.91	6.31	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	3.11	2.71	8.53	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	4.4	3.82	12	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	5.15	4.66	14.5	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	3.75	3.26	10.3	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	3.09	2.73	8.54	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	3.11	2.73	8.57	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	3.77	3.29	10.4	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	4.43	3.87	12.2	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	3.21	2.82	8.85	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	4.18	3.63	11.4	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	3.43	3.04	9.52	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	3.64	3.14	9.92	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	4.1	3.64	11.4	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	2.38	2.58	7.54	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	3.46	2.95	9.35	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	3.38	2.94	9.26	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	3.67	3.25	10.2	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	1.71	1.61	4.92	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	3.46	3.25	9.97	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	3.38	2.95	9.29	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	2.92	2.7	8.31	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	3.3	2.98	9.27	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	2.86	2.52	7.9	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	2.8	2.48	7.75	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	2.51	2.19	6.88	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	3.37	3.19	9.74	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	3.33	3.01	9.34	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	3	2.68	8.36	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-JUL-22 to 31-JUL-22

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	2.66	2.32	7.3	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	4.33	3.89	12.1	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	3.17	3.02	9.2	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	4.2	4.15	12.5	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	3.63	3.4	10.4	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	3.01	2.73	8.48	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	3.21	2.88	8.96	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	3.79	3.37	10.5	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	3.76	3.37	10.5	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	3.55	3.11	9.78	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	3.72	3.32	10.4	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	4.05	3.62	11.3	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	2.76	2.71	8.17	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	2.1	2.1	6.29	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	3.53	3.18	9.89	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	3.15	2.8	8.74	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	3.19	2.84	8.86	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	3.88	3.38	10.6	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	3.58	3.13	9.83	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	2.79	2.75	8.29	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	2.02	1.99	6	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	2.99	2.68	8.34	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	3.18	2.84	8.86	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	2.68	2.64	7.96	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	1.91	1.88	5.66	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	2.07	2.06	6.19	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	2.72	2.42	7.55	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	2.22	2.18	6.58	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	1.6	1.53	4.66	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	2.92	2.8	8.52	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	2.36	2.14	6.63	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	2.31	2.17	6.65	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	2.81	2.5	7.81	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	2.62	2.33	7.27	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	2.26	2.09	6.44	
2,3,3',4',5,6-Hexachlorobiphenyl (164)	pg/L	2.44	2.15	6.74	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	2.8	2.5	7.8	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	2.22	2.08	6.38	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	2.95	3.02	9	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	3.13	2.95	9.03	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	3.02	2.82	8.65	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	3.11	2.9	8.9	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	2.74	2.53	7.8	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	2.83	2.81	8.46	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	2.19	2.18	6.56	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	3.03	2.84	8.71	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-JUL-22 to 31-JUL-22

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	3.03	3	9.03	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	2.13	2.09	6.31	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	2.52	2.35	7.22	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	2.96	2.77	8.5	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	2.7	2.68	8.07	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	2.79	2.61	8	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	2.08	2.06	6.19	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	2.23	2.22	6.67	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	2.71	2.69	8.1	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	1.97	1.88	5.73	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	2.76	2.98	8.73	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	2.41	2.3	7.02	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	2.33	2.21	6.74	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	2.56	2.4	7.37	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	2.49	2.3	7.08	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	2.55	2.3	7.15	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	2.31	2.07	6.45	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.74	1.55	4.84	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	2.38	2.12	6.62	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.63	1.46	4.54	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.65	1.43	4.51	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	2.29	2.04	6.36	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.67	1.5	4.67	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	2	1.83	5.65	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	2.48	1.85	6.18	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	1.78	1.41	4.6	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.65	1.28	4.22	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.73	1.09	3.91	

\* = PQL adjusted to the MBCV.



# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-AUG-22 to 31-AUG-22

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	1.52	0.438	2.4	
3-Chlorobiphenyl (2)	pg/L	1.76	0.455	2.67	
4-Chlorobiphenyl (3)	pg/L	1.53	0.353	2.24	
2,2'-Dichlorobiphenyl (4)	pg/L	7.64	3.42	14.5	
2,3-Dichlorobiphenyl (5)	pg/L	6.56	6.15	18.9	
2,3'-Dichlorobiphenyl (6)	pg/L	5.39	4.71	14.8	
2,4-Dichlorobiphenyl (7)	pg/L	5.46	4.81	15.1	
2,4'-Dichlorobiphenyl (8)	pg/L	4.72	3.97	12.7	
2,5-Dichlorobiphenyl (9)	pg/L	6.25	5.64	17.5	
2,6-Dichlorobiphenyl (10)	pg/L	4.18	2.05	8.29	
3,3'-Dichlorobiphenyl (11)	pg/L	9.77	13.5	36.8	
3,4-Dichlorobiphenyl (12)	pg/L	5.66	5.09	15.8	
3,5-Dichlorobiphenyl (14)	pg/L	5.76	5.01	15.8	
4,4'-Dichlorobiphenyl (15)	pg/L	5.4	3.93	13.3	
2,2',3-Trichlorobiphenyl (16)	pg/L	1.89	0.84	3.57	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.93	0.824	3.57	
2,2',5-Trichlorobiphenyl (18)	pg/L	1.63	0.706	3.04	
2,2',6-Trichlorobiphenyl (19)	pg/L	2.23	0.787	3.8	
2,3,3'-Trichlorobiphenyl (20)	pg/L	1.41	0.616	2.65	
2,3,4-Trichlorobiphenyl (21)	pg/L	1.32	0.571	2.46	
2,3,4'-Trichlorobiphenyl (22)	pg/L	1.47	0.653	2.78	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.4	0.608	2.61	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.53	0.665	2.86	
2,3',4-Trichlorobiphenyl (25)	pg/L	1.25	0.57	2.39	
2,3',5-Trichlorobiphenyl (26)	pg/L	1.37	0.588	2.54	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.47	0.635	2.74	
2,4',5-Trichlorobiphenyl (31)	pg/L	1.33	0.576	2.48	
2,4',6-Trichlorobiphenyl (32)	pg/L	1.33	0.58	2.49	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.5	0.65	2.8	
3,3',4-Trichlorobiphenyl (35)	pg/L	1.64	0.582	2.81	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.44	0.524	2.49	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.69	0.721	3.13	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.63	0.591	2.81	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.68	0.611	2.9	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	1.95	0.593	3.14	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	2.81	0.722	4.25	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	2.2	0.69	3.58	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	2.55	0.782	4.11	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	1.96	0.566	3.09	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	1.46	0.623	2.71	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	1.48	0.633	2.75	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	2.16	0.617	3.39	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	1.76	0.507	2.77	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	1.39	0.595	2.58	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	2.25	0.67	3.59	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	1.05	0.401	1.86	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-AUG-22 to 31-AUG-22

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	1.74	0.484	2.71	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	1.74	0.465	2.67	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	1.65	0.443	2.54	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	1.67	0.437	2.54	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	1.63	0.458	2.54	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	1.7	0.458	2.62	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	1.65	0.439	2.53	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	1.63	0.43	2.49	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	1.56	0.462	2.48	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	1.66	0.421	2.5	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	1.43	0.408	2.25	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	1.53	0.417	2.36	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	1.61	0.434	2.48	
2,3',5,6-Tetrachlorobiphenyl (73)	pg/L	1.56	0.445	2.45	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.85	0.589	3.03	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	1.89	0.509	2.91	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	1.56	0.444	2.45	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	1.44	0.386	2.22	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	1.68	0.508	2.69	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	2.69	1.18	5.05	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	2.94	1.23	5.41	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	2.32	1	4.33	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	1.84	0.78	3.4	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	1.89	0.804	3.49	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	2.33	1.01	4.36	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	2.71	1.18	5.07	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	1.96	0.854	3.67	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	2.55	1.1	4.74	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	2.06	0.854	3.77	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	2.28	0.998	4.28	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	2.5	1.1	4.69	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	1.3	0.506	2.31	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	2.22	1	4.22	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	1.94	0.725	3.39	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	2.22	0.955	4.13	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	1.1	0.414	1.93	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	2.1	0.989	4.08	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	2.26	1.19	4.63	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	1.7	0.766	3.23	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	2.07	0.978	4.03	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	1.77	0.792	3.35	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	1.67	0.723	3.11	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	1.63	0.832	3.3	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	2.09	1.07	4.22	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	2.1	0.997	4.09	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	1.74	0.767	3.28	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-AUG-22 to 31-AUG-22

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	1.65	0.724	3.09	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	2.69	1.26	5.21	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	1.97	1.01	3.98	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	2.3	1.05	4.4	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	2.17	1.04	4.25	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	1.63	0.462	2.56	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	1.73	0.462	2.66	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	2.08	0.587	3.26	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	2.11	0.613	3.34	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	2.02	0.583	3.18	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	2.06	0.58	3.22	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	2.19	0.558	3.3	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	1.31	0.337	1.98	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	0.99	0.258	1.51	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	1.86	0.461	2.78	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.73	0.485	2.7	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	1.83	0.584	3	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	2.19	0.65	3.49	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	2.09	0.664	3.42	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	1.31	0.337	1.99	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	0.972	0.256	1.48	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	1.6	0.417	2.44	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	1.75	0.495	2.74	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	1.27	0.326	1.92	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.924	0.248	1.42	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	0.989	0.268	1.52	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	1.48	0.402	2.29	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	1.05	0.272	1.59	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.816	0.218	1.25	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	1.47	0.381	2.24	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.27	0.367	2.01	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.13	0.29	1.71	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.59	0.518	2.63	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.49	0.463	2.41	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.13	0.294	1.71	
2,3,3',4',5,6-Hexachlorobiphenyl (164)	pg/L	1.4	0.443	2.28	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.56	0.452	2.46	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.08	0.267	1.62	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.29	0.372	2.03	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	1.61	0.574	2.76	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.59	0.587	2.77	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.61	0.58	2.77	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	1.48	0.563	2.61	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.37	0.478	2.33	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	1.05	0.37	1.79	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	1.6	0.591	2.78	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-AUG-22 to 31-AUG-22

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.46	0.512	2.49	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	1.02	0.369	1.76	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	1.29	0.462	2.22	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.55	0.56	2.67	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.31	0.465	2.24	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	1.46	0.526	2.51	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	1.01	0.365	1.73	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	1.07	0.384	1.84	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	1.32	0.458	2.23	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	0.991	0.343	1.68	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.34	0.531	2.4	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.22	0.439	2.09	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.18	0.427	2.04	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.33	0.483	2.29	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.3	0.37	2.04	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.37	0.407	2.19	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.4	0.391	2.18	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.06	0.313	1.69	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	1.48	0.425	2.33	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.983	0.289	1.56	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.02	0.282	1.58	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.42	0.415	2.25	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1	0.288	1.58	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.13	0.349	1.83	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	2.39	1.08	4.55	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	1.57	0.696	2.97	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.53	0.682	2.89	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	1.36	0.471	2.3	

\* = PQL adjusted to the MBCV.

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-SEP-22 to 30-SEP-22

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	1.57	0.598	2.76	
3-Chlorobiphenyl (2)	pg/L	1.8	0.651	3.1	
4-Chlorobiphenyl (3)	pg/L	1.99	0.871	3.73	
2,2'-Dichlorobiphenyl (4)	pg/L	7.37	3.45	14.3	
2,3-Dichlorobiphenyl (5)	pg/L	6.6	6.21	19	
2,3'-Dichlorobiphenyl (6)	pg/L	6.26	4.84	15.9	
2,4-Dichlorobiphenyl (7)	pg/L	5.55	4.85	15.2	
2,4'-Dichlorobiphenyl (8)	pg/L	6.9	6.89	20.7	
2,5-Dichlorobiphenyl (9)	pg/L	6.3	5.69	17.7	
2,6-Dichlorobiphenyl (10)	pg/L	4.4	2.13	8.66	
3,3'-Dichlorobiphenyl (11)	pg/L	122	227	575	*
3,4-Dichlorobiphenyl (12)	pg/L	6.99	5.73	18.5	
3,5-Dichlorobiphenyl (14)	pg/L	5.84	5.06	16	
4,4'-Dichlorobiphenyl (15)	pg/L	6.82	4.72	16.3	
2,2',3-Trichlorobiphenyl (16)	pg/L	2.78	1.91	6.61	
2,2',4-Trichlorobiphenyl (17)	pg/L	2.94	2.25	7.44	
2,2',5-Trichlorobiphenyl (18)	pg/L	3.63	4.6	12.8	
2,2',6-Trichlorobiphenyl (19)	pg/L	2.39	1.02	4.43	
2,3,3'-Trichlorobiphenyl (20)	pg/L	7.35	12.6	32.6	
2,3,4-Trichlorobiphenyl (21)	pg/L	4.36	7.52	19.4	
2,3,4'-Trichlorobiphenyl (22)	pg/L	3.26	4.76	12.8	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.63	0.784	3.2	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.76	0.84	3.44	
2,3',4-Trichlorobiphenyl (25)	pg/L	1.67	0.86	3.39	
2,3',5-Trichlorobiphenyl (26)	pg/L	2.23	2.01	6.25	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.7	0.813	3.32	
2,4',5-Trichlorobiphenyl (31)	pg/L	6.76	9.96	26.7	
2,4',6-Trichlorobiphenyl (32)	pg/L	2.07	1.67	5.42	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.73	0.826	3.38	
3,3',4-Trichlorobiphenyl (35)	pg/L	2.62	2.34	7.29	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.7	0.778	3.25	
3,4,4'-Trichlorobiphenyl (37)	pg/L	3.27	3.31	9.9	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.93	0.905	3.74	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.99	0.915	3.82	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	3.18	2.66	8.51	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	3.37	1.53	6.43	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	3.39	2.48	8.35	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	3.18	1.58	6.34	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	15.1	26.5	68	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	3.01	3.95	10.9	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	1.95	0.912	3.78	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	3.04	1.79	6.62	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	4.1	5.48	15.1	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	1.96	1.09	4.14	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	16.5	26.4	69.3	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	1.17	0.48	2.13	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-SEP-22 to 30-SEP-22

Analyte	Units	Average	Stdev	MBCV	*
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	2.14	0.955	4.04	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	2.94	2.91	8.76	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	2	0.872	3.75	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	2.02	0.853	3.72	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	2.02	0.958	3.93	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	2.62	2.07	6.75	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	15.9	16.7	49.3	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	1.98	0.854	3.68	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	3.22	4.18	11.6	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	4.96	5.83	16.6	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	1.74	0.752	3.24	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	2.59	2.55	7.7	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	1.95	0.841	3.63	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1.92	0.884	3.69	
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	2.38	1.26	4.9	
3,3',4,5-Tetrachlorobiphenyl (78)	pg/L	2.32	1.09	4.49	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	1.9	0.867	3.64	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	1.75	0.782	3.32	
3,4,4',5-Tetrachlorobiphenyl (81)	pg/L	2.13	1.08	4.28	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	3.42	1.92	7.25	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	3.72	2.01	7.74	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	3.79	3.07	9.92	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	2.97	2.34	7.65	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	9.6	8.8	27.2	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	3.36	2.02	7.41	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	3.43	1.85	7.13	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	12.5	14	40.6	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	3.91	2.75	9.42	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	2.61	1.37	5.34	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	2.87	1.5	5.87	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	9.69	13.4	36.4	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	1.53	0.726	2.98	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	2.79	1.47	5.73	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	4.11	5.39	14.9	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	2.8	1.48	5.77	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	1.25	0.576	2.4	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	4.73	3.84	12.4	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	2.81	1.89	6.6	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	2.1	1.37	4.85	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	2.9	1.82	6.55	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	12.2	12.8	37.8	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	2.13	1.19	4.5	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	2.08	1.21	4.49	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	2.67	1.88	6.42	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	10	8.06	26.2	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	2.2	1.23	4.67	

# Blank Population Summary

Method 1668C HRMS Aqueous Analysis for 01-SEP-22 to 30-SEP-22

Analyte	Units	Average	Stdev	MBCV	*
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	2.08	1.13	4.35	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	3.37	2.27	7.91	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	2.52	1.72	5.96	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	3.1	2.59	8.28	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	2.73	1.89	6.52	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	2.84	1.96	6.76	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	11.2	7.78	26.8	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	2.87	1.82	6.51	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	2.87	1.67	6.21	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	4.05	3.24	10.5	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	2.81	1.7	6.22	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	2.9	1.6	6.1	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	3.47	3.21	9.89	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	1.97	1.44	4.85	
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	2.52	1.51	5.53	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	2.36	1.39	5.14	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	2.52	1.6	5.72	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	2.97	1.76	6.48	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	2.86	1.74	6.33	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	1.54	0.621	2.78	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	1.14	0.445	2.03	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	2.18	1.33	4.84	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	6.72	6.1	18.9	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	1.48	0.561	2.6	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	1.09	0.422	1.93	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	1.16	0.441	2.04	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	8.62	4.92	18.5	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	1.23	0.497	2.23	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.915	0.307	1.53	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	4.92	2.78	10.5	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.76	1.15	4.06	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.42	0.818	3.05	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	2.2	1.46	5.12	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	2.03	1.23	4.48	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.42	0.822	3.06	
2,3,3',4',5,6-Hexachlorobiphenyl (164)	pg/L	1.93	1.25	4.43	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	2.12	1.29	4.7	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	1.79	1.15	4.09	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.61	1.02	3.66	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	2.52	1.57	5.66	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	2.06	1.35	4.76	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	2.06	1.29	4.64	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	2.4	1.52	5.44	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.73	1.04	3.8	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	1.28	0.676	2.63	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	2.08	1.37	4.82	

# Blank Population Summary

*Method 1668C HRMS Aqueous Analysis for 01-SEP-22 to 30-SEP-22*

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.83	1.06	3.96	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	1.54	0.879	3.29	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	5.02	1.93	8.88	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	2.01	1.31	4.62	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.66	1.02	3.71	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	2.54	1.75	6.04	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	1.23	0.647	2.53	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	1.32	0.72	2.76	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	3.18	1.84	6.85	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	1.19	0.572	2.33	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.82	1.09	3.99	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.54	0.953	3.45	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.51	0.957	3.42	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.7	1.08	3.85	
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	1.94	0.972	3.88	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.71	0.838	3.39	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.63	0.716	3.06	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.26	0.598	2.46	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	2.38	1.18	4.74	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	1.18	0.581	2.34	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.21	0.569	2.35	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	1.66	0.735	3.13	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.19	0.566	2.32	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.39	0.701	2.8	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	3.29	2.12	7.53	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	2.21	1.44	5.1	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	2.12	1.32	4.77	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	3.58	5.31	14.2	

*1668 PCBs with High Solids Prep for 01-OCT-22 to 31-OCT-22*

Analyte	Units	Average	Stdev	MBCV	*
2-Chlorobiphenyl (1)	pg/L	2.31	1.87	6.05	
3-Chlorobiphenyl (2)	pg/L	2.72	2	6.73	
4-Chlorobiphenyl (3)	pg/L	2.89	1.51	5.91	
2,2'-Dichlorobiphenyl (4)	pg/L	11.9	8.6	29.1	
2,3-Dichlorobiphenyl (5)	pg/L	5.48	3.02	11.5	
2,3'-Dichlorobiphenyl (6)	pg/L	4.84	2.6	10	
2,4-Dichlorobiphenyl (7)	pg/L	4.82	2.71	10.2	
2,4'-Dichlorobiphenyl (8)	pg/L	4.39	2.38	9.14	
2,5-Dichlorobiphenyl (9)	pg/L	5.5	2.94	11.4	
2,6-Dichlorobiphenyl (10)	pg/L	5.31	2.7	10.7	
3,3'-Dichlorobiphenyl (11)	pg/L	70.1	16.7	103	
3,4-Dichlorobiphenyl (12)	pg/L	5.06	2.87	10.8	
3,5-Dichlorobiphenyl (14)	pg/L	5.25	2.87	11	
4,4'-Dichlorobiphenyl (15)	pg/L	4.77	2.3	9.37	



# Blank Population Summary

1668 PCBs with High Solids Prep for 01-OCT-22 to 31-OCT-22

Analyte	Units	Average	Stdev	MBCV	*
2,2',3-Trichlorobiphenyl (16)	pg/L	1.94	1.15	4.24	
2,2',4-Trichlorobiphenyl (17)	pg/L	1.97	1.16	4.29	
2,2',5-Trichlorobiphenyl (18)	pg/L	2.94	1.13	5.2	
2,2',6-Trichlorobiphenyl (19)	pg/L	2.83	2.14	7.11	
2,3,3'-Trichlorobiphenyl (20)	pg/L	5.53	1.58	8.7	
2,3,4-Trichlorobiphenyl (21)	pg/L	3.43	1.29	6.01	
2,3,4'-Trichlorobiphenyl (22)	pg/L	2.5	0.74	3.98	
2,3,5-Trichlorobiphenyl (23)	pg/L	1.41	0.844	3.1	
2,3,6-Trichlorobiphenyl (24)	pg/L	1.52	0.928	3.38	
2,3',4-Trichlorobiphenyl (25)	pg/L	1.26	0.755	2.77	
2,3',5-Trichlorobiphenyl (26)	pg/L	1.54	0.884	3.31	
2,3',6-Trichlorobiphenyl (27)	pg/L	1.51	0.882	3.27	
2,4,5-Trichlorobiphenyl (31)	pg/L	3.82	1.49	6.79	
2,4',6-Trichlorobiphenyl (32)	pg/L	1.36	0.797	2.96	
2',3,5-Trichlorobiphenyl (34)	pg/L	1.57	0.922	3.42	
3,3',4-Trichlorobiphenyl (35)	pg/L	1.75	0.84	3.43	
3,3',5-Trichlorobiphenyl (36)	pg/L	1.55	0.77	3.09	
3,4,4'-Trichlorobiphenyl (37)	pg/L	1.94	0.678	3.3	
3,4,5-Trichlorobiphenyl (38)	pg/L	1.72	0.836	3.39	
3,4',5-Trichlorobiphenyl (39)	pg/L	1.69	0.919	3.52	
2,2',3,3'-Tetrachlorobiphenyl (40)	pg/L	2.17	0.837	3.85	
2,2',3,4-Tetrachlorobiphenyl (41)	pg/L	3.12	1.37	5.85	
2,2',3,4'-Tetrachlorobiphenyl (42)	pg/L	2.42	0.891	4.2	
2,2',3,5-Tetrachlorobiphenyl (43)	pg/L	2.98	1.13	5.23	
2,2',3,5'-Tetrachlorobiphenyl (44)	pg/L	9.11	3.25	15.6	
2,2',3,6-Tetrachlorobiphenyl (45)	pg/L	2.58	1.05	4.68	
2,2',3,6'-Tetrachlorobiphenyl (46)	pg/L	1.44	0.671	2.78	
2,2',4,5-Tetrachlorobiphenyl (48)	pg/L	2.34	0.958	4.25	
2,2',4,5'-Tetrachlorobiphenyl (49)	pg/L	2.1	0.674	3.45	
2,2',4,6-Tetrachlorobiphenyl (50)	pg/L	1.34	0.641	2.63	
2,2',5,5'-Tetrachlorobiphenyl (52)	pg/L	10.4	2.83	16.1	
2,2',6,6'-Tetrachlorobiphenyl (54)	pg/L	1.21	0.798	2.81	
2,3,3',4-Tetrachlorobiphenyl (55)	pg/L	1.84	0.796	3.43	
2,3,3',4'-Tetrachlorobiphenyl (56)	pg/L	2.88	1.33	5.53	
2,3,3',5-Tetrachlorobiphenyl (57)	pg/L	1.79	0.729	3.25	
2,3,3',5'-Tetrachlorobiphenyl (58)	pg/L	1.76	0.769	3.3	
2,3,3',6-Tetrachlorobiphenyl (59)	pg/L	1.8	0.715	3.23	
2,3,4,4'-Tetrachlorobiphenyl (60)	pg/L	1.92	0.745	3.41	
2,3,4,5-Tetrachlorobiphenyl (61)	pg/L	12.1	3.56	19.2	
2,3,4',5-Tetrachlorobiphenyl (63)	pg/L	1.77	0.717	3.2	
2,3,4',6-Tetrachlorobiphenyl (64)	pg/L	2.02	0.69	3.4	
2,3',4,4'-Tetrachlorobiphenyl (66)	pg/L	4.89	1.76	8.42	
2,3',4,5-Tetrachlorobiphenyl (67)	pg/L	1.54	0.624	2.79	
2,3',4,5'-Tetrachlorobiphenyl (68)	pg/L	1.61	0.713	3.03	
2,3',5,5'-Tetrachlorobiphenyl (72)	pg/L	1.73	0.684	3.1	
2,3',5',6-Tetrachlorobiphenyl (73)	pg/L	1.7	0.674	3.04	

# Blank Population Summary

1668 PCBs with High Solids Prep for 01-OCT-22 to 31-OCT-22

Analyte	Units	Average	Stdev	MBCV	*
3,3',4,4'-Tetrachlorobiphenyl (77)	pg/L	1.93	0.52	2.97	
3,3',4,5'-Tetrachlorobiphenyl (78)	pg/L	2.09	0.88	3.85	
3,3',4,5'-Tetrachlorobiphenyl (79)	pg/L	1.72	0.722	3.16	
3,3',5,5'-Tetrachlorobiphenyl (80)	pg/L	1.57	0.641	2.85	
3,4,4',5'-Tetrachlorobiphenyl (81)	pg/L	1.72	0.58	2.88	
2,2',3,3',4-Pentachlorobiphenyl (82)	pg/L	2.47	0.883	4.23	
2,2',3,3',5-Pentachlorobiphenyl (83)	pg/L	2.68	1	4.68	
2,2',3,3',6-Pentachlorobiphenyl (84)	pg/L	2.25	0.778	3.81	
2,2',3,4,4'-Pentachlorobiphenyl (85)	pg/L	2.14	1.22	4.58	
2,2',3,4,5-Pentachlorobiphenyl (86)	pg/L	10.4	4.83	20.1	
2,2',3,4,6-Pentachlorobiphenyl (88)	pg/L	2.09	0.786	3.66	
2,2',3,4,6'-Pentachlorobiphenyl (89)	pg/L	2.48	0.908	4.29	
2,2',3,4',5-Pentachlorobiphenyl (90)	pg/L	10.9	5.12	21.2	
2,2',3,5,5'-Pentachlorobiphenyl (92)	pg/L	2.32	0.843	4	
2,2',3,5,6-Pentachlorobiphenyl (93)	pg/L	1.87	0.723	3.31	
2,2',3,5,6'-Pentachlorobiphenyl (94)	pg/L	2.01	0.778	3.57	
2,2',3,5',6-Pentachlorobiphenyl (95)	pg/L	8.04	3.31	14.7	
2,2',3,6,6'-Pentachlorobiphenyl (96)	pg/L	1.11	0.452	2.01	
2,2',3',4,6-Pentachlorobiphenyl (98)	pg/L	1.97	0.707	3.39	
2,2',4,4',5-Pentachlorobiphenyl (99)	pg/L	3.46	2.43	8.32	
2,2',4,5',6-Pentachlorobiphenyl (103)	pg/L	2.01	0.72	3.45	
2,2',4,6,6'-Pentachlorobiphenyl (104)	pg/L	1	0.514	2.03	
2,3,3',4,4'-Pentachlorobiphenyl (105)	pg/L	6.51	3.4	13.3	
2,3,3',4,5-Pentachlorobiphenyl (106)	pg/L	1.91	0.675	3.26	
2,3,3',4',5-Pentachlorobiphenyl (107)	pg/L	1.59	0.636	2.86	
2,3,3',4,5'-Pentachlorobiphenyl (108)	pg/L	1.98	0.879	3.74	
2,3,3',4',6-Pentachlorobiphenyl (110)	pg/L	12.2	7.86	27.9	
2,3,3',5,5'-Pentachlorobiphenyl (111)	pg/L	1.5	0.584	2.66	
2,3,3',5,6-Pentachlorobiphenyl (112)	pg/L	1.43	0.495	2.42	
2,3,4,4',5-Pentachlorobiphenyl (114)	pg/L	1.68	0.543	2.77	
2,3',4,4',5-Pentachlorobiphenyl (118)	pg/L	12.1	7.12	26.4	
2,3',4,5,5'-Pentachlorobiphenyl (120)	pg/L	1.6	0.572	2.75	
2,3',4,5',6-Pentachlorobiphenyl (121)	pg/L	1.45	0.567	2.58	
2',3,3',4,5-Pentachlorobiphenyl (122)	pg/L	2.29	0.817	3.92	
2',3,4,4',5-Pentachlorobiphenyl (123)	pg/L	1.63	0.547	2.72	
3,3',4,4',5-Pentachlorobiphenyl (126)	pg/L	1.95	0.665	3.28	
3,3',4,5,5'-Pentachlorobiphenyl (127)	pg/L	1.83	0.646	3.12	
2,2',3,3',4,4'-Hexachlorobiphenyl (128)	pg/L	3.11	2.31	7.74	
2,2',3,3',4,5-Hexachlorobiphenyl (129)	pg/L	19.6	11.9	43.4	
2,2',3,3',4,5'-Hexachlorobiphenyl (130)	pg/L	2.35	0.942	4.24	
2,2',3,3',4,6-Hexachlorobiphenyl (131)	pg/L	2.36	1.01	4.39	
2,2',3,3',4,6'-Hexachlorobiphenyl (132)	pg/L	4.51	3.04	10.6	
2,2',3,3',5,5'-Hexachlorobiphenyl (133)	pg/L	2.34	0.963	4.26	
2,2',3,3',5,6-Hexachlorobiphenyl (134)	pg/L	2.41	1.05	4.51	
2,2',3,3',5,6'-Hexachlorobiphenyl (135)	pg/L	5.19	2.51	10.2	
2,2',3,3',6,6'-Hexachlorobiphenyl (136)	pg/L	1.98	1.05	4.07	

# Blank Population Summary

1668 PCBs with High Solids Prep for 01-OCT-22 to 31-OCT-22

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,4,4',5-Hexachlorobiphenyl (137)	pg/L	2.06	0.98	4.02	
2,2',3,4,4',6-Hexachlorobiphenyl (139)	pg/L	1.96	0.845	3.65	
2,2',3,4,5,5'-Hexachlorobiphenyl (141)	pg/L	2.96	2.35	7.65	
2,2',3,4,5,6-Hexachlorobiphenyl (142)	pg/L	2.52	1.03	4.58	
2,2',3,4,5,6'-Hexachlorobiphenyl (143)	pg/L	2.41	0.952	4.31	
2,2',3,4,5',6-Hexachlorobiphenyl (144)	pg/L	1.48	0.58	2.64	
2,2',3,4,6,6'-Hexachlorobiphenyl (145)	pg/L	1.03	0.435	1.9	
2,2',3,4',5,5'-Hexachlorobiphenyl (146)	pg/L	2.15	1.2	4.54	
2,2',3,4',5,6-Hexachlorobiphenyl (147)	pg/L	10.2	5.6	21.4	
2,2',3,4',5,6'-Hexachlorobiphenyl (148)	pg/L	1.42	0.569	2.56	
2,2',3,4',6,6'-Hexachlorobiphenyl (150)	pg/L	0.994	0.416	1.83	
2,2',3,5,6,6'-Hexachlorobiphenyl (152)	pg/L	1.09	0.431	1.95	
2,2',4,4',5,5'-Hexachlorobiphenyl (153)	pg/L	13.7	7.46	28.6	
2,2',4,4',5,6'-Hexachlorobiphenyl (154)	pg/L	1.17	0.462	2.09	
2,2',4,4',6,6'-Hexachlorobiphenyl (155)	pg/L	0.919	0.403	1.73	
2,3,3',4,4',5-Hexachlorobiphenyl (156)	pg/L	5.36	1.86	9.07	
2,3,3',4,4',6-Hexachlorobiphenyl (158)	pg/L	1.97	1.33	4.63	
2,3,3',4,5,5'-Hexachlorobiphenyl (159)	pg/L	1.22	0.412	2.05	
2,3,3',4,5,6-Hexachlorobiphenyl (160)	pg/L	1.71	0.715	3.14	
2,3,3',4,5',6-Hexachlorobiphenyl (161)	pg/L	1.66	0.666	3	
2,3,3',4',5,5'-Hexachlorobiphenyl (162)	pg/L	1.18	0.422	2.03	
2,3,3',4',5,6-Hexachlorobiphenyl (164)	pg/L	1.86	1.1	4.06	
2,3,3',5,5',6-Hexachlorobiphenyl (165)	pg/L	1.69	0.743	3.18	
2,3',4,4',5,5'-Hexachlorobiphenyl (167)	pg/L	2.33	1.09	4.51	
3,3',4,4',5,5'-Hexachlorobiphenyl (169)	pg/L	1.71	0.77	3.25	
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	pg/L	4.97	2.8	10.6	
2,2',3,3',4,4',6-Heptachlorobiphenyl (171)	pg/L	1.96	0.816	3.59	
2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)	pg/L	1.79	0.531	2.85	
2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)	pg/L	4	2.14	8.27	
2,2',3,3',4,5',6-Heptachlorobiphenyl (175)	pg/L	1.37	0.504	2.38	
2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)	pg/L	1.07	0.402	1.87	
2,2',3,3',4',5,6-Heptachlorobiphenyl (177)	pg/L	2.79	1.19	5.16	
2,2',3,3',5,5',6-Heptachlorobiphenyl (178)	pg/L	1.48	0.543	2.57	
2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)	pg/L	1.71	0.873	3.45	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	pg/L	9.53	4.58	18.7	
2,2',3,4,4',5,6-Heptachlorobiphenyl (181)	pg/L	1.66	0.553	2.77	
2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)	pg/L	1.31	0.477	2.26	
2,2',3,4,4',5',6-Heptachlorobiphenyl (183)	pg/L	3.08	1.79	6.67	
2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)	pg/L	0.993	0.403	1.8	
2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)	pg/L	1.06	0.428	1.91	
2,2',3,4',5,5',6-Heptachlorobiphenyl (187)	pg/L	5.08	2.61	10.3	
2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)	pg/L	1.03	0.423	1.87	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)	pg/L	1.67	0.728	3.13	
2,3,3',4,4',5,6-Heptachlorobiphenyl (190)	pg/L	1.38	0.454	2.29	
2,3,3',4,4',5',6-Heptachlorobiphenyl (191)	pg/L	1.3	0.389	2.08	
2,3,3',4,5,5',6-Heptachlorobiphenyl (192)	pg/L	1.4	0.469	2.34	

# Blank Population Summary

1668 PCBs with High Solids Prep for 01-OCT-22 to 31-OCT-22

Analyte	Units	Average	Stdev	MBCV	*
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)	pg/L	3.48	1.4	6.28	
2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)	pg/L	1.58	0.598	2.77	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)	pg/L	1.94	1.04	4.02	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)	pg/L	1.2	0.628	2.46	
2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)	pg/L	4.1	1.73	7.57	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)	pg/L	0.994	0.369	1.73	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)	pg/L	1.2	0.433	2.06	
2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)	pg/L	2.14	0.993	4.13	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)	pg/L	1.02	0.376	1.77	
2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)	pg/L	1.14	0.36	1.86	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206)	pg/L	2.49	1.43	5.35	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207)	pg/L	1.52	0.853	3.23	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208)	pg/L	1.52	0.86	3.24	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (209)	pg/L	2.84	2.97	8.77	

\* = PQL adjusted to the MBCV.

## Appendix C

### Precipitation Data

This appendix presents a map of the precipitation network across the Laboratory (Figure C-1) and precipitation event data for 2022 (Table C-1).

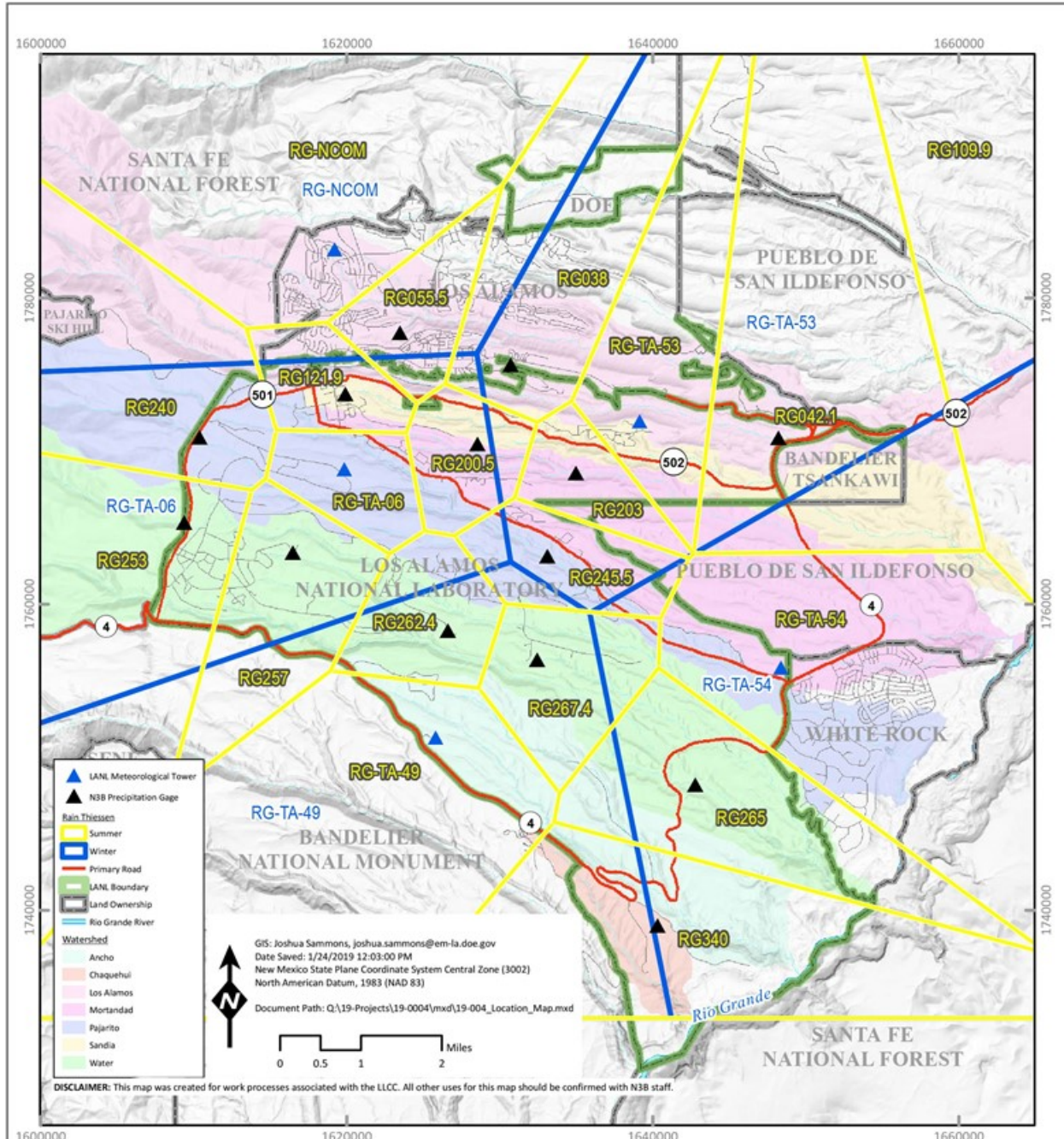


Figure C-1 Precipitation network

**Table C-1 Precipitation Events in 2022**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG038	6-17-2022	0.37	0.08	2.83
RG038	6-18-2022	0.19	0.04	3
RG038	6-19-2022	0.19	0.07	2.5
RG038	6-21-2022	0.16	0.09	1.08
RG038	6-22-2022	0.79	0.11	5.08
RG038	6-25-2022	1.42	0.3	8.08
RG038	6-26-2022	1.48	0.18	8.83
RG038	6-27-2022	0.46	0.41	0.91
RG038	7-1-2022	0.77	0.42	2.91
RG038	7-4-2022	0.27	0.19	1
RG038	7-14-2022	0.32	0.3	0.66
RG038	7-20-2022	0.32	0.29	0.66
RG038	7-21-2022	0.11	0.07	0.5
RG038	7-24-2022	0.1	0.04	0.75
RG038	7-26-2022	0.39	0.11	1.91
RG038	7-27-2022	1.16	0.97	1.91
RG038	7-29-2022	0.24	0.08	1.66
RG038	7-30-2022	0.31	0.11	1.16
RG038	7-31-2022	0.4	0.15	1.58
RG038	8-6-2022	0.32	0.12	1.58
RG038	8-11-2022	0.38	0.33	0.83
RG038	8-16-2022	0.78	0.46	2.16
RG038	8-18-2022	0.1	0.07	0.58
RG038	8-19-2022	0.2	0.11	1.08
RG038	8-20-2022	0.31	0.05	2.58
RG038	8-21-2022	0.12	0.09	0.75
RG038	8-23-2022	0.68	0.67	0.58
RG038	9-5-2022	0.11	0.11	0.33
RG038	9-9-2022	0.19	0.12	1.08
RG038	9-22-2022	0.22	0.2	0.66
RG038	10-2-2022	0.36	0.09	2.33
RG038	10-3-2022	0.24	0.13	1.33
RG038	10-4-2022	0.11	0.02	0.91
RG038	10-15-2022	0.86	0.15	4.91
RG038	10-16-2022	0.25	0.05	2.08
RG055.5	6-17-2022	0.33	0.09	2.25
RG055.5	6-18-2022	0.16	0.03	2.5

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG055.5	6-19-2022	0.13	0.04	2.16
RG055.5	6-21-2022	0.15	0.08	1.08
RG055.5	6-22-2022	0.78	0.15	4.75
RG055.5	6-25-2022	1.42	0.44	7.41
RG055.5	6-26-2022	1.78	0.26	10.25
RG055.5	6-27-2022	0.3	0.23	0.75
RG055.5	7-1-2022	0.44	0.1	2.5
RG055.5	7-2-2022	0.33	0.24	1.16
RG055.5	7-4-2022	0.29	0.12	1.41
RG055.5	7-14-2022	0.28	0.24	0.75
RG055.5	7-20-2022	0.25	0.2	0.75
RG055.5	7-21-2022	0.21	0.13	0.83
RG055.5	7-26-2022	0.32	0.11	2
RG055.5	7-27-2022	1.1	0.93	1.83
RG055.5	7-29-2022	0.25	0.09	1.66
RG055.5	7-30-2022	0.1	0.07	0.58
RG055.5	7-31-2022	0.38	0.25	1.33
RG055.5	8-6-2022	0.53	0.25	2.16
RG055.5	8-11-2022	0.32	0.3	0.58
RG055.5	8-16-2022	0.19	0.07	1.41
RG055.5	8-18-2022	0.19	0.1	1.08
RG055.5	8-19-2022	0.17	0.08	1.08
RG055.5	8-20-2022	0.26	0.05	2.16
RG055.5	8-21-2022	0.13	0.11	0.58
RG055.5	8-22-2022	0.1	0.05	0.75
RG055.5	8-23-2022	0.45	0.33	0.91
RG055.5	9-5-2022	0.13	0.13	0.33
RG055.5	9-9-2022	0.21	0.15	1
RG055.5	9-22-2022	0.24	0.18	1
RG055.5	10-2-2022	0.27	0.1	1.58
RG055.5	10-3-2022	0.23	0.09	1.58
RG055.5	10-7-2022	0.31	0.28	0.75
RG055.5	10-15-2022	0.97	0.16	5.83
RG055.5	10-16-2022	0.25	0.07	2
RG121.9	6-17-2022	0.31	0.08	2.33
RG121.9	6-18-2022	0.24	0.13	2.5
RG121.9	6-19-2022	0.16	0.03	2.33
RG121.9	6-21-2022	0.16	0.07	1.16



**Table C-1 (continued)**

<b>Rain Gage</b>	<b>Date</b>	<b>Total (in.)</b>	<b>Intensity (in./30 min)</b>	<b>Duration (hour)</b>
RG121.9	6-22-2022	0.67	0.12	4.25
RG121.9	6-25-2022	1.45	0.49	7.5
RG121.9	6-26-2022	1.87	0.32	10.16
RG121.9	7-1-2022	0.43	0.11	2.58
RG121.9	7-2-2022	0.41	0.32	1.16
RG121.9	7-4-2022	0.39	0.16	1.75
RG121.9	7-14-2022	0.1	0.05	0.75
RG121.9	7-20-2022	0.29	0.24	0.66
RG121.9	7-21-2022	0.3	0.2	0.75
RG121.9	7-26-2022	0.34	0.12	1.75
RG121.9	7-27-2022	1.37	1.24	1.58
RG121.9	7-29-2022	0.29	0.11	1.58
RG121.9	7-30-2022	0.23	0.16	0.58
RG121.9	7-31-2022	0.6	0.32	1.41
RG121.9	8-6-2022	0.86	0.43	2.16
RG121.9	8-16-2022	0.2	0.07	1.41
RG121.9	8-18-2022	0.21	0.07	1.58
RG121.9	8-19-2022	0.21	0.11	1.25
RG121.9	8-20-2022	0.26	0.05	2.16
RG121.9	8-21-2022	0.12	0.09	0.66
RG121.9	8-23-2022	0.15	0.1	0.83
RG121.9	9-5-2022	0.11	0.11	0.33
RG121.9	9-9-2022	0.19	0.11	1.16
RG121.9	9-22-2022	0.26	0.22	0.75
RG121.9	10-2-2022	0.26	0.1	1.5
RG121.9	10-3-2022	0.11	0.06	0.83
RG121.9	10-4-2022	0.11	0.02	0.91
RG121.9	10-7-2022	0.25	0.23	0.5
RG121.9	10-15-2022	1.02	0.18	5.83
RG121.9	10-16-2022	0.23	0.07	1.83
RG200.5	6-17-2022	0.14	0.05	1.16
RG200.5	6-18-2022	0.21	0.09	2.5
RG200.5	6-19-2022	0.74	0.24	2.83
RG200.5	6-21-2022	0.14	0.07	1
RG200.5	6-22-2022	0.71	0.1	4.66
RG200.5	6-25-2022	1.38	0.31	8
RG200.5	6-26-2022	1.34	0.18	7.66
RG200.5	6-27-2022	0.48	0.43	0.75



**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG200.5	7-1-2022	0.19	0.19	0.5
RG200.5	7-4-2022	0.17	0.07	0.83
RG200.5	7-14-2022	0.15	0.14	0.5
RG200.5	7-20-2022	0.44	0.36	0.66
RG200.5	7-21-2022	0.4	0.3	0.83
RG200.5	7-26-2022	0.23	0.07	1.5
RG200.5	7-27-2022	1.11	0.98	1.5
RG200.5	7-29-2022	0.19	0.11	0.75
RG200.5	7-30-2022	1.56	0.74	1.66
RG200.5	7-31-2022	0.67	0.26	1.66
RG200.5	8-6-2022	0.2	0.2	0.16
RG200.5	8-11-2022	0.13	0.13	0.25
RG200.5	8-16-2022	0.26	0.22	0.58
RG200.5	8-20-2022	0.37	0.07	1.5
RG200.5	8-23-2022	0.3	0.3	0.5
RG200.5	10-3-2022	0.17	0.16	0.5
RG200.5	10-8-2022	0.11	0.11	0.08
RG200.5	10-15-2022	0.33	0.08	2.5
RG200.5	10-16-2022	0.2	0.04	1.66
RG200.5	10-17-2022	0.15	0.07	0.58
RG203	6-17-2022	0.3	0.07	2.33
RG203	6-18-2022	0.21	0.1	2.16
RG203	6-19-2022	0.35	0.11	3.5
RG203	6-21-2022	0.18	0.1	1.08
RG203	6-22-2022	0.67	0.1	4.91
RG203	6-25-2022	1.65	0.38	8.5
RG203	6-26-2022	1.33	0.19	7.33
RG203	6-27-2022	0.37	0.31	0.91
RG203	7-1-2022	0.59	0.24	2.91
RG203	7-4-2022	0.18	0.1	1.08
RG203	7-14-2022	0.3	0.29	0.5
RG203	7-20-2022	0.26	0.14	0.66
RG203	7-26-2022	1.19	0.59	3
RG203	7-27-2022	1.15	1	1.66
RG203	7-29-2022	0.27	0.09	1.83
RG203	7-30-2022	1.25	0.78	1.75
RG203	7-31-2022	0.59	0.3	1.66
RG203	8-6-2022	0.49	0.43	1

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG203	8-11-2022	0.67	0.63	0.75
RG203	8-16-2022	0.98	0.66	2.08
RG203	8-18-2022	0.1	0.07	0.66
RG203	8-19-2022	0.23	0.13	1.16
RG203	8-20-2022	0.31	0.05	2.58
RG203	8-23-2022	0.49	0.48	0.58
RG203	9-9-2022	0.19	0.11	1.16
RG203	9-22-2022	0.25	0.1	1.08
RG203	10-2-2022	0.26	0.07	2.08
RG203	10-3-2022	0.35	0.25	1.25
RG203	10-4-2022	0.21	0.1	1.33
RG203	10-15-2022	0.71	0.13	4.91
RG203	10-16-2022	0.16	0.05	1.25
RG240	6-17-2022	0.25	0.05	2.08
RG240	6-18-2022	0.45	0.27	3.16
RG240	6-19-2022	0.23	0.05	3.33
RG240	6-21-2022	0.18	0.08	1.16
RG240	6-22-2022	0.89	0.28	4.33
RG240	6-25-2022	1.09	0.27	6.58
RG240	6-26-2022	2.02	0.31	11.16
RG240	6-27-2022	0.1	0.04	0.83
RG240	6-30-2022	0.23	0.19	0.66
RG240	7-1-2022	0.37	0.12	2.16
RG240	7-2-2022	0.34	0.24	1.08
RG240	7-4-2022	0.53	0.21	2
RG240	7-14-2022	0.2	0.1	1.08
RG240	7-20-2022	0.93	0.74	1
RG240	7-21-2022	0.14	0.09	0.41
RG240	7-24-2022	0.18	0.13	0.91
RG240	7-26-2022	0.26	0.11	1.41
RG240	7-27-2022	0.18	0.08	1.33
RG240	7-29-2022	0.25	0.07	1.58
RG240	7-31-2022	1.1	0.46	2
RG240	8-1-2022	0.22	0.21	0.33
RG240	8-6-2022	0.92	0.43	2.25
RG240	8-7-2022	0.49	0.47	0.66
RG240	8-11-2022	0.1	0.06	0.58
RG240	8-16-2022	0.27	0.09	1.83

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG240	8-18-2022	0.3	0.09	2.08
RG240	8-19-2022	0.21	0.07	1.41
RG240	8-20-2022	0.31	0.06	2.5
RG240	8-21-2022	0.14	0.12	0.66
RG240	8-22-2022	0.15	0.07	1.08
RG240	8-31-2022	0.14	0.12	0.58
RG240	9-9-2022	0.23	0.14	1.25
RG240	9-10-2022	0.1	0.1	0.41
RG240	9-20-2022	0.14	0.09	0.75
RG240	9-22-2022	0.23	0.17	0.91
RG240	10-2-2022	0.13	0.05	1.08
RG240	10-3-2022	0.11	0.06	0.83
RG240	10-4-2022	0.12	0.02	1
RG240	10-15-2022	1.03	0.18	6.08
RG240	10-16-2022	0.23	0.05	1.83
RG240	10-17-2022	0.11	0.04	0.91
RG240	10-23-2022	0.1	0.04	0.83
RG245.5	6-17-2022	0.33	0.08	2.58
RG245.5	6-18-2022	0.21	0.1	2.33
RG245.5	6-19-2022	0.28	0.07	3.33
RG245.5	6-21-2022	0.17	0.08	1.08
RG245.5	6-22-2022	0.63	0.12	4.5
RG245.5	6-25-2022	1.54	0.33	8.41
RG245.5	6-26-2022	1.15	0.14	6.83
RG245.5	6-27-2022	0.15	0.08	1
RG245.5	7-1-2022	0.4	0.16	2.08
RG245.5	7-4-2022	0.38	0.23	1.33
RG245.5	7-14-2022	0.2	0.19	0.41
RG245.5	7-20-2022	0.21	0.19	0.66
RG245.5	7-21-2022	0.14	0.09	0.66
RG245.5	7-26-2022	0.62	0.29	2.5
RG245.5	7-27-2022	0.93	0.74	1.66
RG245.5	7-29-2022	0.24	0.07	1.66
RG245.5	7-30-2022	0.91	0.58	1.66
RG245.5	7-31-2022	0.32	0.14	1.41
RG245.5	8-6-2022	0.38	0.32	0.91
RG245.5	8-7-2022	0.11	0.1	0.25
RG245.5	8-11-2022	0.56	0.54	0.58

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG245.5	8-16-2022	0.97	0.5	2.16
RG245.5	8-18-2022	0.1	0.05	0.75
RG245.5	8-19-2022	0.23	0.14	1.08
RG245.5	8-20-2022	0.29	0.05	2.41
RG245.5	8-21-2022	0.12	0.1	0.58
RG245.5	8-23-2022	0.3	0.3	0.41
RG245.5	9-9-2022	0.17	0.11	1
RG245.5	9-22-2022	0.24	0.14	1
RG245.5	10-2-2022	0.21	0.07	1.5
RG245.5	10-3-2022	0.12	0.04	0.91
RG245.5	10-4-2022	0.17	0.04	1.41
RG245.5	10-15-2022	0.73	0.13	5.08
RG245.5	10-16-2022	0.15	0.04	1.25
RG245.5	10-17-2022	0.1	0.04	0.83
RG253	6-17-2022	0.33	0.06	2.58
RG253	6-18-2022	0.55	0.38	3
RG253	6-19-2022	0.23	0.05	3.66
RG253	6-21-2022	0.19	0.08	1.16
RG253	6-22-2022	0.91	0.29	4.5
RG253	6-25-2022	1.4	0.42	7.41
RG253	6-26-2022	2.02	0.3	10.75
RG253	6-27-2022	0.11	0.05	0.91
RG253	7-1-2022	0.32	0.15	1.75
RG253	7-2-2022	0.35	0.25	1.25
RG253	7-4-2022	1.49	0.8	1.91
RG253	7-14-2022	0.12	0.06	1
RG253	7-20-2022	0.8	0.66	0.83
RG253	7-21-2022	0.13	0.13	0.33
RG253	7-24-2022	0.25	0.15	1.16
RG253	7-26-2022	0.18	0.08	1
RG253	7-27-2022	0.24	0.14	1.25
RG253	7-29-2022	0.29	0.12	1.58
RG253	7-30-2022	0.64	0.59	0.66
RG253	7-31-2022	0.87	0.4	1.66
RG253	8-1-2022	0.24	0.2	0.75
RG253	8-6-2022	1.41	0.44	2.33
RG253	8-7-2022	0.42	0.39	0.75
RG253	8-11-2022	0.18	0.18	0.41

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG253	8-16-2022	0.25	0.08	1.83
RG253	8-18-2022	0.26	0.09	1.91
RG253	8-19-2022	0.19	0.08	1.41
RG253	8-20-2022	0.3	0.05	2.5
RG253	8-21-2022	0.16	0.13	0.66
RG253	8-22-2022	0.25	0.13	1.25
RG253	8-31-2022	0.25	0.24	0.5
RG253	9-9-2022	0.27	0.16	1.41
RG253	9-13-2022	0.12	0.05	0.83
RG253	9-20-2022	0.15	0.11	0.75
RG253	9-22-2022	0.22	0.2	0.66
RG253	10-2-2022	0.18	0.07	1.16
RG253	10-3-2022	0.15	0.07	0.91
RG253	10-9-2022	0.19	0.18	0.5
RG253	10-15-2022	1.13	0.17	6
RG253	10-16-2022	0.22	0.06	1.83
RG253	10-17-2022	0.14	0.05	1.16
RG257	6-17-2022	0.33	0.07	2.58
RG257	6-18-2022	0.25	0.13	2.5
RG257	6-19-2022	0.2	0.04	2.66
RG257	6-21-2022	0.18	0.08	1.16
RG257	6-22-2022	0.68	0.12	4.58
RG257	6-25-2022	1.52	0.47	7.91
RG257	6-26-2022	1.79	0.24	9.41
RG257	6-27-2022	0.1	0.06	0.83
RG257	6-30-2022	0.15	0.15	0.5
RG257	7-1-2022	0.71	0.16	3.33
RG257	7-2-2022	0.13	0.05	1
RG257	7-4-2022	0.79	0.33	1.91
RG257	7-20-2022	0.45	0.34	0.83
RG257	7-21-2022	0.16	0.09	0.5
RG257	7-24-2022	0.15	0.11	0.83
RG257	7-26-2022	0.24	0.1	1.25
RG257	7-27-2022	0.46	0.35	1.33
RG257	7-29-2022	0.25	0.11	1.58
RG257	7-30-2022	0.94	0.56	1.25
RG257	7-31-2022	0.38	0.16	1.58
RG257	8-1-2022	0.12	0.05	0.66

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG257	8-6-2022	0.91	0.36	2.41
RG257	8-11-2022	0.25	0.24	0.58
RG257	8-16-2022	0.25	0.09	1.58
RG257	8-18-2022	0.17	0.06	1.41
RG257	8-19-2022	0.22	0.08	1.41
RG257	8-20-2022	0.33	0.05	2.75
RG257	8-21-2022	0.22	0.19	0.75
RG257	8-22-2022	0.15	0.09	0.91
RG257	9-9-2022	0.17	0.08	0.75
RG257	9-20-2022	0.17	0.12	0.58
RG257	9-22-2022	0.22	0.2	0.58
RG257	10-2-2022	0.42	0.14	2.16
RG257	10-3-2022	0.21	0.14	1.08
RG257	10-4-2022	0.18	0.05	1.41
RG257	10-15-2022	1.06	0.18	5.83
RG257	10-16-2022	0.23	0.06	1.91
RG257	10-17-2022	0.13	0.05	1.08
RG262.4	6-17-2022	0.35	0.07	2.75
RG262.4	6-18-2022	0.19	0.06	2.5
RG262.4	6-19-2022	0.28	0.09	2.66
RG262.4	6-21-2022	0.18	0.08	1.25
RG262.4	6-22-2022	0.67	0.11	4.66
RG262.4	6-25-2022	1.52	0.3	8.5
RG262.4	6-26-2022	1.33	0.19	7.33
RG262.4	6-27-2022	0.15	0.07	0.91
RG262.4	7-1-2022	0.61	0.2	3.08
RG262.4	7-4-2022	1.04	0.71	1.58
RG262.4	7-14-2022	0.26	0.25	0.5
RG262.4	7-20-2022	0.3	0.25	0.75
RG262.4	7-26-2022	0.63	0.44	1.83
RG262.4	7-27-2022	0.85	0.72	1.5
RG262.4	7-29-2022	0.22	0.07	1.66
RG262.4	7-30-2022	0.87	0.69	1.5
RG262.4	7-31-2022	0.12	0.09	0.66
RG262.4	8-6-2022	0.32	0.22	1.33
RG262.4	8-11-2022	0.89	0.88	0.58
RG262.4	8-16-2022	0.54	0.16	2.08
RG262.4	8-19-2022	0.28	0.12	1.5

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG262.4	8-20-2022	0.31	0.05	2.58
RG262.4	8-21-2022	0.13	0.11	0.66
RG262.4	9-9-2022	0.18	0.12	1
RG262.4	9-22-2022	0.24	0.14	0.91
RG262.4	10-2-2022	0.24	0.08	1.58
RG262.4	10-3-2022	0.15	0.07	1
RG262.4	10-4-2022	0.17	0.03	1.41
RG262.4	10-15-2022	0.82	0.14	5.33
RG262.4	10-16-2022	0.16	0.05	1.25
RG262.4	10-17-2022	0.11	0.05	0.91
RG265	6-17-2022	0.27	0.06	2.16
RG265	6-18-2022	0.2	0.06	3.16
RG265	6-19-2022	0.15	0.03	2.33
RG265	6-21-2022	0.23	0.11	1.25
RG265	6-22-2022	0.64	0.09	4.41
RG265	6-25-2022	1.29	0.18	7.58
RG265	6-26-2022	0.83	0.15	4.91
RG265	6-27-2022	0.12	0.04	1
RG265	7-1-2022	0.48	0.22	2.41
RG265	7-2-2022	0.11	0.06	0.83
RG265	7-4-2022	0.28	0.1	1
RG265	7-12-2022	0.6	0.38	1.16
RG265	7-14-2022	0.14	0.13	0.41
RG265	7-20-2022	0.19	0.18	0.58
RG265	7-24-2022	0.12	0.09	0.58
RG265	7-26-2022	0.1	0.09	0.5
RG265	7-27-2022	0.47	0.38	1.25
RG265	7-28-2022	0.16	0.16	0.5
RG265	7-30-2022	0.54	0.29	2.08
RG265	8-16-2022	0.72	0.42	1.41
RG265	8-18-2022	0.2	0.19	0.58
RG265	8-19-2022	0.24	0.14	1.25
RG265	8-20-2022	0.27	0.05	2.25
RG265	8-21-2022	0.16	0.14	0.66
RG265	9-9-2022	0.28	0.08	1.91
RG265	9-20-2022	0.15	0.13	0.41
RG265	9-22-2022	0.11	0.06	0.41
RG265	10-3-2022	0.1	0.04	0.75

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG265	10-4-2022	0.18	0.04	1.5
RG265	10-8-2022	0.12	0.04	1
RG265	10-15-2022	0.59	0.13	4.16
RG265	10-16-2022	0.12	0.02	1
RG265	10-17-2022	0.1	0.04	0.83
RG267.4	6-17-2022	0.32	0.07	2.5
RG267.4	6-18-2022	0.19	0.1	2
RG267.4	6-19-2022	0.3	0.11	3.16
RG267.4	6-21-2022	0.18	0.08	1.16
RG267.4	6-22-2022	0.62	0.12	3.91
RG267.4	6-25-2022	1.46	0.24	8.5
RG267.4	6-26-2022	1.09	0.17	6.25
RG267.4	6-27-2022	0.14	0.04	1.08
RG267.4	7-1-2022	0.27	0.07	1.91
RG267.4	7-4-2022	0.75	0.48	1.33
RG267.4	7-14-2022	0.17	0.16	0.5
RG267.4	7-20-2022	0.17	0.14	1.08
RG267.4	7-26-2022	0.5	0.3	1.5
RG267.4	7-27-2022	0.75	0.63	1.41
RG267.4	7-29-2022	0.32	0.23	1.16
RG267.4	7-30-2022	0.88	0.72	1.5
RG267.4	8-11-2022	0.42	0.42	0.33
RG267.4	8-16-2022	0.43	0.19	1.58
RG267.4	8-19-2022	0.28	0.14	1.41
RG267.4	8-20-2022	0.27	0.05	2.25
RG267.4	9-9-2022	0.16	0.12	0.83
RG267.4	9-22-2022	0.22	0.15	1
RG267.4	10-2-2022	0.18	0.07	1.33
RG267.4	10-3-2022	0.11	0.04	0.91
RG267.4	10-4-2022	0.14	0.03	1.16
RG267.4	10-15-2022	0.69	0.13	4.66
RG267.4	10-16-2022	0.14	0.04	1.16
RG340	6-17-2022	0.29	0.07	2.33
RG340	6-18-2022	0.36	0.21	3.16
RG340	6-19-2022	0.18	0.06	2.83
RG340	6-21-2022	0.27	0.14	1.33
RG340	6-22-2022	0.61	0.09	4.25
RG340	6-25-2022	1.26	0.17	7.58



**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG340	6-26-2022	0.82	0.16	4.41
RG340	6-27-2022	0.16	0.05	1.33
RG340	7-1-2022	0.51	0.15	2.5
RG340	7-2-2022	0.11	0.09	0.66
RG340	7-4-2022	0.25	0.22	0.66
RG340	7-12-2022	1.46	1.35	0.91
RG340	7-14-2022	0.12	0.11	0.33
RG340	7-19-2022	0.11	0.11	0.16
RG340	7-27-2022	0.11	0.04	0.75
RG340	7-28-2022	0.42	0.42	0.5
RG340	7-30-2022	0.55	0.45	1.25
RG340	7-31-2022	0.21	0.11	0.75
RG340	8-16-2022	0.25	0.16	1.08
RG340	8-19-2022	0.23	0.08	1.5
RG340	8-20-2022	0.26	0.04	2.16
RG340	8-21-2022	0.11	0.1	0.58
RG340	9-9-2022	0.29	0.09	1.91
RG340	10-3-2022	0.45	0.17	1.5
RG340	10-4-2022	0.22	0.05	1.75
RG340	10-7-2022	0.1	0.06	0.5
RG340	10-8-2022	0.11	0.03	0.83
RG340	10-15-2022	0.63	0.12	4.5
RG340	10-16-2022	0.16	0.03	1.33
RG-NCOM	1-25-2022	0.39	0.08	4.25
RG-NCOM	2-1-2022	0.22	0.04	4.5
RG-NCOM	2-2-2022	0.17	0.02	4
RG-NCOM	2-16-2022	0.22	0.07	2
RG-NCOM	6-17-2022	0.22	0.07	3.5
RG-NCOM	6-18-2022	0.27	0.14	2.75
RG-NCOM	6-19-2022	0.15	0.05	2.5
RG-NCOM	6-21-2022	0.12	0.05	1.25
RG-NCOM	6-22-2022	0.67	0.22	7
RG-NCOM	6-25-2022	0.87	0.24	9.5
RG-NCOM	6-26-2022	1.66	0.2	16.5
RG-NCOM	7-1-2022	0.2	0.08	2.25
RG-NCOM	7-2-2022	0.46	0.33	2.25
RG-NCOM	7-4-2022	0.24	0.15	2
RG-NCOM	7-14-2022	0.4	0.33	2

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG-NCOM	7-20-2022	0.17	0.16	0.75
RG-NCOM	7-21-2022	0.18	0.09	1.75
RG-NCOM	7-26-2022	0.54	0.18	4.25
RG-NCOM	7-27-2022	0.72	0.6	1.5
RG-NCOM	7-29-2022	0.21	0.09	1.5
RG-NCOM	7-31-2022	0.18	0.12	1
RG-NCOM	8-5-2022	1.15	0.81	1.75
RG-NCOM	8-6-2022	0.11	0.05	1.75
RG-NCOM	8-11-2022	0.34	0.34	0.5
RG-NCOM	8-16-2022	0.13	0.04	2.25
RG-NCOM	8-18-2022	0.16	0.06	2
RG-NCOM	8-19-2022	0.13	0.06	1.08
RG-NCOM	8-23-2022	0.67	0.4	1.5
RG-NCOM	9-5-2022	0.15	0.15	0.5
RG-NCOM	9-22-2022	0.28	0.14	1.75
RG-NCOM	10-2-2022	0.14	0.04	2.75
RG-NCOM	10-3-2022	0.43	0.22	3.5
RG-NCOM	10-7-2022	0.29	0.25	1
RG-NCOM	10-15-2022	0.66	0.12	6.5
RG-NCOM	10-16-2022	0.2	0.03	4.25
RG-TA-06	1-1-2022	0.1	0.03	2.25
RG-TA-06	6-17-2022	0.32	0.07	4.75
RG-TA-06	6-18-2022	0.17	0.06	3
RG-TA-06	6-19-2022	0.17	0.05	3.25
RG-TA-06	6-21-2022	0.14	0.06	1.25
RG-TA-06	6-22-2022	0.6	0.1	7.5
RG-TA-06	6-25-2022	1.34	0.48	11.5
RG-TA-06	6-26-2022	1.87	0.3	12
RG-TA-06	7-1-2022	0.64	0.16	4.25
RG-TA-06	7-2-2022	0.15	0.06	2
RG-TA-06	7-4-2022	0.39	0.26	2.5
RG-TA-06	7-14-2022	0.17	0.13	1.5
RG-TA-06	7-20-2022	0.4	0.3	1.5
RG-TA-06	7-21-2022	0.21	0.12	1.5
RG-TA-06	7-24-2022	0.12	0.09	1.25
RG-TA-06	7-26-2022	0.27	0.09	3.5
RG-NCOM	7-4-2022	0.24	0.15	2
RG-NCOM	7-14-2022	0.4	0.33	2

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG-NCOM	7-20-2022	0.17	0.16	0.75
RG-NCOM	7-21-2022	0.18	0.09	1.75
RG-NCOM	7-26-2022	0.54	0.18	4.25
RG-NCOM	7-27-2022	0.72	0.6	1.5
RG-NCOM	7-29-2022	0.21	0.09	1.5
RG-NCOM	7-31-2022	0.18	0.12	1
RG-NCOM	8-5-2022	1.15	0.81	1.75
RG-NCOM	8-6-2022	0.11	0.05	1.75
RG-NCOM	8-11-2022	0.34	0.34	0.5
RG-NCOM	8-16-2022	0.13	0.04	2.25
RG-NCOM	8-18-2022	0.16	0.06	2
RG-NCOM	8-19-2022	0.13	0.06	1.08
RG-NCOM	8-23-2022	0.67	0.4	1.5
RG-NCOM	9-5-2022	0.15	0.15	0.5
RG-NCOM	9-22-2022	0.28	0.14	1.75
RG-NCOM	10-2-2022	0.14	0.04	2.75
RG-NCOM	10-3-2022	0.43	0.22	3.5
RG-NCOM	10-7-2022	0.29	0.25	1
RG-NCOM	10-15-2022	0.66	0.12	6.5
RG-NCOM	10-16-2022	0.2	0.03	4.25
RG-TA-06	1-1-2022	0.1	0.03	2.25
RG-TA-06	6-17-2022	0.32	0.07	4.75
RG-TA-06	6-18-2022	0.17	0.06	3
RG-TA-06	6-19-2022	0.17	0.05	3.25
RG-TA-06	6-21-2022	0.14	0.06	1.25
RG-TA-06	6-22-2022	0.6	0.1	7.5
RG-TA-06	6-25-2022	1.34	0.48	11.5
RG-TA-06	6-26-2022	1.87	0.3	12
RG-TA-06	7-1-2022	0.64	0.16	4.25
RG-TA-06	7-2-2022	0.15	0.06	2
RG-TA-06	7-4-2022	0.39	0.26	2.5
RG-TA-06	7-14-2022	0.17	0.13	1.5
RG-TA-06	7-20-2022	0.4	0.3	1.5
RG-TA-06	7-21-2022	0.21	0.12	1.5
RG-TA-06	7-24-2022	0.12	0.09	1.25
RG-TA-06	7-26-2022	0.27	0.09	3.5
RG-TA-06	7-27-2022	1.86	1.77	1.25
RG-TA-06	7-29-2022	0.18	0.09	1.25

**Table C-1 (continued)**

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG-TA-06	7-30-2022	0.75	0.45	1.5
RG-TA-06	7-31-2022	0.99	0.45	2
RG-TA-06	8-1-2022	0.14	0.1	1.25
RG-TA-06	8-6-2022	0.66	0.23	3.25
RG-TA-06	8-11-2022	0.19	0.15	0.75
RG-TA-06	8-16-2022	0.21	0.07	2.5
RG-TA-06	8-18-2022	0.16	0.03	3
RG-TA-06	8-19-2022	0.22	0.09	1.33
RG-TA-06	8-20-2022	0.11	0.06	0.91
RG-TA-06	9-9-2022	0.15	0.12	0.75
RG-TA-06	9-20-2022	0.11	0.07	1.25
RG-TA-06	9-22-2022	0.21	0.19	1
RG-TA-06	10-2-2022	0.31	0.09	2.5
RG-TA-06	10-3-2022	0.2	0.16	1.25
RG-TA-06	10-4-2022	0.12	0.02	3
RG-TA-06	10-7-2022	0.1	0.06	1.25
RG-TA-06	10-15-2022	0.86	0.17	6.5
RG-TA-06	10-16-2022	0.18	0.04	3.5
RG-TA-53	6-17-2022	0.25	0.06	5
RG-TA-53	6-18-2022	0.14	0.06	2.25
RG-TA-53	6-19-2022	0.29	0.12	3.25
RG-TA-53	6-21-2022	0.16	0.08	1.25
RG-TA-53	6-22-2022	0.55	0.08	6.25
RG-TA-53	6-25-2022	1.22	0.21	11
RG-TA-53	6-26-2022	1.26	0.28	12
RG-TA-53	6-27-2022	0.33	0.29	1.5
RG-TA-53	7-1-2022	0.53	0.3	3.25
RG-TA-53	7-4-2022	0.12	0.04	2.25
RG-TA-53	7-14-2022	0.29	0.25	1
RG-TA-53	7-20-2022	0.39	0.38	0.75
RG-TA-53	7-26-2022	1.44	0.84	3.5
RG-TA-53	7-27-2022	0.54	0.48	1
RG-TA-53	7-29-2022	0.21	0.09	1.5
RG-TA-53	7-30-2022	0.57	0.33	1.75
RG-TA-53	7-31-2022	0.78	0.39	1.75
RG-TA-53	8-6-2022	0.45	0.4	1.5
RG-TA-53	8-11-2022	0.76	0.74	0.75
RG-TA-53	8-16-2022	0.38	0.16	2.75

**Table C-1 (continued)**

<b>Rain Gage</b>	<b>Date</b>	<b>Total (in.)</b>	<b>Intensity (in./30 min)</b>	<b>Duration (hour)</b>
RG-TA-53	8-19-2022	0.13	0.06	1.08
RG-TA-53	8-20-2022	0.14	0.06	1.16
RG-TA-53	8-21-2022	0.15	0.09	1
RG-TA-53	8-23-2022	0.14	0.14	0.5
RG-TA-53	8-28-2022	0.13	0.11	0.5
RG-TA-53	9-9-2022	0.18	0.12	1
RG-TA-53	9-22-2022	0.24	0.11	1.75
RG-TA-53	10-2-2022	0.25	0.08	3.25
RG-TA-53	10-3-2022	0.26	0.1	2.75
RG-TA-53	10-4-2022	0.13	0.04	2.75
RG-TA-53	10-15-2022	0.69	0.13	6.5
RG-TA-53	10-16-2022	0.19	0.04	3.5
RG-TA-54	6-17-2022	0.25	0.06	4
RG-TA-54	6-18-2022	0.12	0.05	2.25
RG-TA-54	6-19-2022	0.12	0.03	2.5
RG-TA-54	6-21-2022	0.16	0.08	1.25
RG-TA-54	6-22-2022	0.66	0.09	6.25
RG-TA-54	6-25-2022	1.23	0.16	11
RG-TA-54	6-26-2022	0.82	0.13	9
RG-TA-54	6-27-2022	0.12	0.06	1.75
RG-TA-54	7-1-2022	0.29	0.15	3.25
RG-TA-54	7-2-2022	0.11	0.04	2
RG-TA-54	7-4-2022	0.39	0.2	2.5
RG-TA-54	7-12-2022	0.14	0.11	1
RG-TA-54	7-14-2022	0.27	0.26	0.75
RG-TA-54	7-24-2022	0.16	0.12	1.5
RG-TA-54	7-26-2022	0.36	0.27	1.25
RG-TA-54	7-27-2022	0.42	0.3	1
RG-TA-54	7-28-2022	0.12	0.09	0.75
RG-TA-54	7-30-2022	0.81	0.45	1.5
RG-TA-54	8-11-2022	0.43	0.43	0.5
RG-TA-54	8-16-2022	0.56	0.33	1.5
RG-TA-54	8-19-2022	0.19	0.12	1.08
RG-TA-54	8-20-2022	0.17	0.06	1.41
RG-TA-54	8-28-2022	0.14	0.14	0.5
RG-TA-54	9-9-2022	0.27	0.09	1.75
RG-TA-54	9-20-2022	0.16	0.13	1
RG-TA-54	9-22-2022	0.11	0.05	1.25

Table C-1 (continued)

Rain Gage	Date	Total (in.)	Intensity (in./30 min)	Duration (hour)
RG-TA-54	10-2-2022	0.13	0.06	1.25
RG-TA-54	10-4-2022	0.18	0.03	3.75
RG-TA-54	10-15-2022	0.58	0.12	6
RG-TA-54	10-16-2022	0.1	0.02	2.5

## Appendix D

### Control Measures

The control measures discussed below have been installed under the IP to prevent run-on to the Site or runoff from the Site. The list is not exhaustive but represents those measures usually installed to prevent erosion and/or to control/capture sediment.

Maintenance and inspection of control measures follow procedures in section 4.3 of the Overview, Inspections and Maintenance.

Table D-1 lists the primary purposes of the types of control measures. Photographs in this appendix demonstrate control measures installed for the IP and are for informational purposes only.

**Table D-1 Control Measure Summary**

Control Type	Control Sub Type	Control Name	Life Cycle (months)	Control Purpose Erosion Control (EC)/ Sediment Control (SC)
<b>01</b>	<b>00</b>	<b>Seed and Mulch</b>		
	01	Seed and Wood Mulch	24	EC
	02	Seed and Gravel Mulch	120	EC
	03	Hydromulch	12	EC
	04	Seeding	24	EC
	05	Gravel Mulch	120	EC
	06	Erosion Control Blanket	24	EC
	07	Seed and Compost	24	EC
<b>02</b>	<b>00</b>	<b>Permanent Vegetation</b>		
	01	Grasses and Shrubs	120	EC*
	02	Forested/Needle Cast	120	EC*
	03	Vegetation Buffer Strip	120	EC
	04	Established Vegetation	120	EC
<b>03</b>	<b>00</b>	<b>Berms</b>		
	01	Earthen Berm	120	SC
	02	Base Course Berm	120	SC
	03	Log Berm	120	SC
	04	Asphalt Berm	120	SC
	05	Silt Dike	24	SC
	06	Straw Wattle	24	SC
	07	Terra Tube	120	SC
	08	Retaining Wall	120	SC
	09	Curbing	120	SC
	10	Gravel Bags	120	SC
	11	Eco-Block	120	SC
	12	Rock Berm	120	SC
	13	Silt Fence	120	SC
	14	Coir log	120	SC

## Appendix D, Control Measures (continued)

Control Type	Control Sub Type	Control Name	Life Cycle (months)	Control Purpose Erosion Control (EC)/ Sediment Control (SC)
	15	Redi-Rock Berm	120	SC
	16	Wood Chip Wattle	36	SC
	20**	Compost Log	120	SC
<b>04</b>	<b>00</b>	<b>Channel/Swale</b>		
	01	Earthen Channel/Swale	120	EC
	02	Concrete/Asphalt Channel/Swale	120	EC
	03	Rock Channel/Swale	120	EC
	04	Culvert	120	EC
	05	Water Bar	120	EC
	06	Riprap	120	EC
	07	Vegetated Swale	120	EC
	08	TRM-Lined Swale	120	EC
<b>05</b>	<b>00</b>	<b>Sediment Traps and Basins</b>		
	01	Sediment Trap	120	SC
	02	Sediment Basin	120	SC
	03	Sand Filter	120	EC
	04	Gravel Infiltration Strip	120	SC
	05	Bioretention Basin	120	SC
	06	Infiltration Basin	120	SC
	07	Plunge Pool	120	SC/EC
<b>06</b>	<b>00</b>	<b>Check Dam</b>		
	01	Rock Check Dam	36	SC
	02	Log Check Dam	36	SC
	03	Juniper Bale	120	SC
	04	Energy Dissipater	240	SC
<b>07</b>	<b>00</b>	<b>Gabions</b>		
	01	Gabion	120	SC
	02	Gabion Blanket	120	EC
<b>08</b>	<b>00</b>	<b>Cap</b>		
	01	Earth Cap	120	EC
	02	Rock Cap	120	EC
	03	Asphalt Cap	120	EC
	04	Metal Cap	120	EC
	05	HDPE Cap	120	EC

\* These two types of controls were retired in 2013, and active instances of the control types at SMAs were recoded. These two still appear in the master list because the retired asset codes are still in use and may appear in information published before 2013.

\*\* Three other types of control sub types (17, 18, and 19) are used by other surface water projects managed by N3B. As they are not installed for use as IP controls, they are not included here.



## Appendix D, Control Measures (continued)

### Seed and Mulch

#### General Description

Seed and mulch are used in combination. Mulch includes wood, hydromulch, gravel, erosion-control blankets, and turf-reinforcement blankets.

Perennial vegetative cover from seeding has been shown to remove between 50% and 100% of total suspended solids from stormwater runoff, with an average removal of 90%.

#### Control Function

Seed and mulch controls are used primarily to control erosion and to reestablish areas disturbed by construction activities. However, these control measures can also be used for run-on, runoff, and sediment control if the stormwater discharge is localized producing sheet flow (nonchannelized).

#### Selection Criteria, Material Requirements, and Construction Specifics

##### Selection Criteria

The selection of seed and mulch is related to the slope of the area where protection is required. Table D-2 presents common guidance used at the Laboratory.

**Table D-2 Selection Criteria Guidance**

Erosion Control	Slopes Steeper than 1:1	Slopes Flatter than 1:1	Slopes Flatter than 1:2	Slopes Flatter than 1:3	Channels
Permanent blankets	X	X	X	X	X
BFM, FGM hydromulch		X	X	X	
Wood fiber hydromulch			X	X	
Straw/coir blankets		X	X	X	

##### Material Requirements and Construction Specifics

Seed and mulch requirements are selected during planning stages of the work. The Laboratory provides technical specifications for quality control, materials, approved vendors, and execution requirements. In most cases, seed is applied in contact with soil, and mulch is used to provide a protective cover for raindrop protection, promote seed germination, and help with seedling survival. Materials readily available from established suppliers are described below.

##### Wood Mulch

- Wood straw mulch, wood chips, green-waste mulch, and bark chips are all accepted forms of wood mulch. Wood mulch application covers the ground surface up to 4 in. thick. Wood mulch is not used in areas with steep slopes or where it could run on to a stormwater control and interfere with the function of the control.

##### Gravel Mulch

- Gravel is 0.75 in. to 2 in. in diameter, round or crushed. Gravel mulch is applied 2–6-in. thick over the soil surface and is not compacted.

## Appendix D, Control Measures (continued)

### Hydromulch

- Wood fiber hydromulch (mulch combined with an organic Plantago-based tackifier) is applied on slopes flatter than 2:1.
- For slopes steeper than 2:1, bonded fiber products are recommended.

### Blankets and Matting

- On slopes less than 1:1, straw/coir blend blankets are specified.
- For high-flow channels or slopes steeper than 1:1, permanent composite TRM is specified.

### Seed

- Standard seed mixes used at the Laboratory consist of a variety of pure live seed of grass species, wildflowers, forbs, and shrubs. Only two approved sources have proven consistent in meeting the demands of the high altitude and typical rainfall amounts at the Laboratory.

## Inspection and Maintenance

For seeding and mulch, typical maintenance actions may be required as a consequence of rainfall events that strip the ground of seed and mulch before the seed has established, from animal disturbance, and from human disturbance such as vehicular traffic. Maintenance actions may include reseeding of damaged areas and installing temporary barriers.



Hydromulch applied at a detention pond in Chaquehui Canyon

## Appendix D, Control Measures (continued)

### Permanent Vegetation

#### General Description

Established vegetation (or permanent vegetation) is made up of areas of existing mature vegetation that provide erosion control and stormwater infiltration.

#### Control Function

Established vegetation is primarily used for erosion control, including sediment control, run-on control, and runoff control in areas with no concentrated flow.

#### Selection Criteria, Material Requirements, and Construction Specifics

##### *Selection Criteria*

Any area of existing perennial vegetation that increases stormwater infiltration and protects the soil from wind erosion, raindrop impact, or stormwater overland flow is selected. In areas where wetland-type vegetation is planned or is in place, specific plant materials are selected for propagation. In existing vegetated areas, examination of current coverage and robustness of the area (organic material, water availability) is required before expanding the area.

##### *Material Requirements*

Grasses and shrubs are examined for native habitat. Areas that need wetland plantings may require a specific selection of plants for long-term establishment.

##### *Construction Specifics*

Permanent vegetation is installed by qualified personnel specializing in landscaping. Trees and woody plants are planted under correct seasonal conditions. Establishing permanent vegetation sometimes includes a long-term watering program.

#### Inspection and Maintenance

- Inspection is performed for significant disturbances to vegetation (e.g., construction, fire, thinning, road construction, and creation of new stormwater channels). Repair is initiated if possible.
- The requirement to continue a watering program is evaluated during inspection activities.



## Appendix D, Control Measures (continued)



Established vegetation at a detention pond in Chaquehui Canyon

### Berms

#### General Description

This category of stormwater control includes earthen berms, base-course berms, log berms, asphalt berms, silt dikes, straw wattles, retaining walls, curbing, gravel bags, Eco-Block berms, Redi-Rock berms, rock berms, S-fences, and coir logs.

#### Control Function

Berms are used for run-on diversion and for retention of run-on, runoff, and sediment. Straw wattles, S-fences, rock berms, and gravel bags can be used along the toe, top, face, and at grade breaks of slopes to shorten slope length. They may also be used along the perimeter of areas to reduce flow velocities and retain sediment. Filter fabric may be used where reductions in turbidity are required. Retaining walls are used primarily for slope stabilization and sediment control.

#### Selection Criteria, Material Requirements, and Construction Specifics

##### Selection Criteria

- The velocity of on-coming water and design retention depth will dictate the type of berm used. Incorrect berm construction could result in scour and unintended overtopping.

## Appendix D, Control Measures (continued)

### Material Requirements

- Diversion berms are constructed primarily from select compactable granular material such as base course or asphalt.
- Retention berms are constructed primarily from earth, base course, logs, or asphalt.

### Construction Specifics

#### Berms

- The Laboratory maintains construction specifications that describe required materials, quality control, and execution and testing requirements.
- Earthen berms require vegetative controls to prevent erosion of the berm itself. Rip rap is added if additional armoring is necessary.
- Asphalt berms and curbs are installed per design drawings and Laboratory standard drawings.
- For areas with significant traffic, gravel or asphalt berms may be recommended.
- Where berms will retain water, berm fill material may require compaction testing.
- Berms should be stabilized with appropriate materials such as seed and ECBs.
- When used as a perimeter or downslope control, berms may divert runoff to a control such as a sediment trap or basin.

#### Wattle, Coir Log, and Compost Log

- Straw wattles are installed along the contour with the ends of each wattle turned upslope to prevent runoff from flowing around the end. Wattles are installed in shallow trenches dug 3 to 5 in. deep for soft, loamy soils and 2– 3 in. deep for hard, rocky soils.
- The vertical spacing requirements for slope installations are based on a higher density of wattles for steep slopes and lower density for flatter slopes.
- Wooden stakes or rebar are driven through the middle of the wattle and deep enough into the ground to anchor the roll in place.
- Installation of coir logs and compost logs is similar to the installation of wattles. Coir logs and compost logs are trenched in and backfilled. Staking may be done through the middle of the log or along the upslope and downslope sides of the log to anchor the log in place.

#### Other Berm Types

- Installation of log berms is similar to the installation of wattles. Logs are delimbed, trenched in, and backfilled. Stakes may be used for additional support.
- Rock berms are constructed of large angular rock. Height and depth of the berm depend on the expected stormwater flow.
- Gravel-bag berms are constructed of bags of woven polypropylene, polyethylene, or polyamide fabric and filled with gravel.
- Installation of Eco-Blok rubber sediment control block is similar to that of gravel bag berms. Eco-Blok can be staked down in soil or glued to asphalt or concrete.

## Appendix D, Control Measures (continued)

- ERTEC Environmental Systems S-fencing is installed perpendicular to sheet flow. The fencing is trenched to 3 in. and backfilled.
- Retaining walls and Redi-Rock berms are constructed to appropriate engineering standards.

### Inspection and Maintenance

#### *Berms*

- Inspections may find that berms were not installed to sufficient height, requiring rework to raise, widen, or extend the berm.
- Compacted earthen or granular berms degrade, scour, and settle. Fill materials may need to be added and recompact.
- Rodent burrows may result in undermining. Recompact the berm can help reduce impacts from burrows.

#### *Wattles*

- Wattle anchorages can be displaced, crushed, torn, and misaligned. Typical maintenance entails restoring or replacing the wattle to address evident failure issues.
- Rodents and other animals can destroy wattles. Wattles are removed and reinstalled or new wattles installed on top of existing damaged wattles. With time, wattles degrade to a point where they require replacement.

#### *Retaining Walls*

- Inspections may find cracking, spalling, slumping, and slope changes in retaining walls. Depending upon the severity of failure, maintenance may be requested. Maintenance includes addressing issues that contribute to failure and may include recompact areas and repairing cracks.



**Appendix D, Control Measures (continued)**





## Appendix D, Control Measures (continued)

Coir logs placed in Bayo Canyon



Earthen berm with TRM at the top of Pueblo Canyon





## Appendix D, Control Measures (continued)

### Channels and Swales

#### General Description

This category of stormwater control includes earthen swales, concrete or asphalt swales, rock-lined (rip rap) swales, vegetated swales, culverts, rip rap outlet protection, and water bars.

#### Control Function

Channels and swales are constructed within natural terrain or lined diversions using rip rap and concrete that collect and convey concentrated flows of stormwater runoff around an area. Lined channels or swales and culverts can also be used to transport stormwater across a SWMU or AOC without contacting it. Water bars are used to divert water off a roadway without blocking access. Rip rap outlet protection is used to stabilize soil and sediment below a stormwater conveyance.

#### Selection Criteria, Material Requirements, and Construction Specifics

##### Selection Criteria

- Channels and swale selection are based on the location where installed.
  - ❖ In natural terrain areas using rock-lined swales or channels, vegetated swales or water bars made from base course that fit into the surrounding area are encouraged.
  - ❖ In institutional areas, such as parking lots, an asphalt water bar or concrete valley gutter may be selected.
- Size and function are designed to meet anticipated stormwater volume.
- Where a storm drain is required, an engineered design may be required for headwalls with reinforced concrete.

##### Material Requirements

- Channels and swales are constructed with concrete, base course, asphalt, or earth. Vegetation may be required in areas where there is no vehicular traffic. For added stability, TRM or rip rap may be added.
- Stormwater culverts are made of CMP or corrugated HDPE smooth wall pipe.

##### Construction Specifics

- Concrete valley gutters are typically 4 to 6 ft wide. Valley gutters are often a part of new construction in facility parking areas.
- The Laboratory maintains construction specifications that describe required materials, quality control, and execution and testing requirements for storm drains.

## Appendix D, Control Measures (continued)

### Inspection and Maintenance

- Channel erosion or breaching may occur after storm events. Eroded areas may require reconstruction and compaction.
- Inlet structures for stormwater culverts may become clogged and require periodic cleaning.
- Vegetation loss from high flows may require reseeding an area or changing the type of surface coverage to one that is more appropriate.
- Removing accumulated sediment is routinely performed.



## Appendix D, Control Measures (continued)

### Sediment Traps and Detention Basins

#### General Description

Detention basins are used to detain sediment and control the release of runoff through an outlet structure. Sediment traps perform the same function as basins but are typically smaller in size and do not have pipe outlets.

#### Control Function

Sediment traps and detention basins are used for sediment control. Under appropriate conditions, they are used for runoff control and erosion control in the IP program.

#### Material Requirements, and Construction Specifics

##### Material Requirements

- Basins, plunge pools, and trap embankments are constructed primarily from earth or compactable granular material such as base course.
- Inlets and outlets are constructed of a hardened surface such as concrete or rip rap or may consist of a pipe with a stabilized outlet.
- Spillways are constructed of a hardened surface such as concrete or rip rap.

##### Construction Specifics

- Sediment trap outflows must discharge through a stabilized low point. Spillways should be designed to provide the trap with a settling zone and a sediment storage zone.
- Embankment fill material is placed and compacted with a compactor or the appropriate earth-moving equipment. Specifications require compaction testing where berms will retain water.
- Embankments are stabilized with seed and ECBs, seed and hydromulch, or other appropriate stabilization controls.

#### Inspection and Maintenance

- Inlets, outlets, spillways, plunge pools, and pond/trap embankments are inspected for damage such as vegetation loss or excess, bank instability, debris buildup, erosion, and rock displacement and are maintained as needed to effectively convey stormwater runoff.
- Basin inlet and outlet pipes may become plugged with debris or sediment and require cleaning. Spillways may become clogged or damaged and may require repair.
- Sediment deposits and debris need to be routinely removed from detention basins to maintain the appropriate structure storage capacity for both sediment and runoff.



## Appendix D, Control Measures (continued)

Sediment trap and detention basin to collect parking lot flow at TA-03



### Check Dams

#### General Description

This category of stormwater control includes rock and log check dams and juniper bales.

#### Control Function

Check dams are used primarily for sediment control but may also be used in small channels to control run-on and runoff.

#### Material Requirements, and Construction Specifics

##### Material Requirements

- Rock check dams are built using angular rock with an appropriate density and size to withstand the design water velocity.
- Log check dams are built using logs that may be harvested on-site with an appropriate diameter for the application.

## Appendix D, Control Measures (continued)

### Construction Specifics

- Check dams are placed at a distance and height to allow water ponding from a downstream check dam to reach the toe of the upstream dam.
- Structures are designed to allow high flows (typically a 2-yr storm or larger) to pass safely over the check dam without an increase in upstream flooding or damage to the check dam.
- Dams are stabilized by entrenching the material into the sides and bottom of the channel.
- Rock is placed individually by hand or by mechanical methods.
- Log check dams may be doweled into the channel to withstand high flows.
- Scour protection may be placed on the downstream side of the dam to reduce downstream erosion.

### Inspection and Maintenance

- Check dams are inspected as flow conditions change to ensure they are located in the preferential flow path to reduce flow velocity and/or retain sediment. Relocation or resizing of the structure is completed as necessary.
- Check dams are inspected for scour, structural damage, and erosion caused by flows around or below the dam structure. Repairs to the control are made as needed.
- As Site conditions change and rocks shift, the check dam is maintained to ensure the dam center is lower than its edges and the edges are below the edge of the channel. Stone may be added or removed to maintain appropriate structure geometry.
- Check dams are maintained by removing large debris, trash, and leaves so the function of the structure is not compromised.



## Appendix D, Control Measures (continued)

Doweled log check dam during flow event in Acid Canyon



Rock check dams installed in preferential flow path





## Appendix D, Control Measures (continued)

### Gabions

#### General Description

This category of stormwater control includes gabions and gabion blankets.

#### Control Function

Gabions are pervious structures designed to stabilize and protect channels and slopes subject to erosion. When installed perpendicular to the stormwater flow, gabions act as a check dam allowing sediments to accumulate behind and within the open void structure. Gabion blankets, also called gabion mattresses, are used to line channels and swales to provide additional stability.

#### Selection Criteria, Material Requirements, Construction Specific

##### Selection Criteria

- The decision to place a gabion structure rather than a berm or rock check dam is based on whether the structural stability and pervious nature of gabions are required.
  - ❖ Gabion structures will manage stormwater based on design criteria provided. The long-term stability of the structure does not rely upon vegetated growth like a berm does. Once built on a stable foundation, the gabion does not require a compacted fill like a berm requires. The gabion itself resists failure modes by mass.
  - ❖ Gabion mattresses are placed downstream of discharge locations of other stormwater controls. The mattress is selected when placing rip rap into a channel will not prevent movement or erosion downstream.

##### Material Requirements

- Gabion fill is well-graded round river rock or Type A angular riprap.
- Wire enclosures come in different configurations and can be assembled in the field or manufactured and delivered empty to the site.
- Gabion fasteners are of similar gage to the wire enclosure.
- Gabion mattresses may need additional anchors. These include steel angles, pipe, or railroad rails that are driven through the gabions at regular spacing.
- Gabions are bedded on filter fabric.

##### Construction Specifics

Gabions are installed in accordance with NMDOT standards and specifications. Placement of gabions includes the following:

- The gabion is either placed on firm bedrock or tuff or built on a compacted foundation.
- Gabions are stacked on each other in a staggered manner.



## Appendix D, Control Measures (continued)

### Inspection and Maintenance

- Gabions that become unseated causing scouring underneath the structure require maintenance. The structure may need to be excavated down to the point of failure, and recompact and rebuilding the basket may be required.
- Gabion wire may break and rocks may spill out. The basket may be rebuilt or mended to restore function.
- Gabions that slip out of place are generally replaced rather than mended.
- Gabion blankets that slip out of position require additional anchorage. Anchorage methods include driving railroad rails into good material.



### Permanent Caps

#### General Description

This category of stormwater control includes clay or soil, rock, concrete, asphalt, and HDPE caps.

#### Control Function

Caps are used to control erosion and to isolate areas of potential soil contamination from stormwater. Caps result in impermeable surfaces that remove the potential of water movement through the area capped.

## Appendix D, Control Measures (continued)

### Selection Criteria, Material Requirements, Construction Specifics

#### *Selection Criteria*

Facility usage such as frequent vehicle use and limited space may prevent other means, such as berms or ponds, from being used. The type of cap selected is also based upon the facility usage of the area. In areas where vehicle traffic may wear down the cap, a hard surface such as concrete or asphalt is selected.

#### *Material Requirements*

- Earthen caps are typically covered with rock or gravel to protect the cap from erosion. The type of earth cover selected is intended to be impervious with no intrusion of water into the area with pollutants.
- Hard caps such as concrete and asphalt are a minimum thickness depending upon use and vehicle traffic.
- HDPE caps typically are used to cover inlet or outlet points of sub-surface stormwater conveyance systems (culverts, sediment basin pipes, etc.).

#### *Construction Specifics*

Caps are engineered to meet a specific need. Additional design considerations include installing diversions, curbs, berms, and cut-off walls to ensure stormwater does not cause erosion features to form either near or on the cap itself.

Caps using earthen materials have specifications for material types and compaction requirements. Hard caps also have minimum testing requirements.

#### *Inspection and Maintenance*

- Typical inspections that lead to maintenance include condition assessments of diversions and the cap itself.
- Intrusions may occur with both earthen and hard caps. Weeds (growing in cracks), rodent burrows, large woody plants, or vehicular damage require repair or removal.
- Inspections noting erosional features that could cause migration of stormwater to the cap are performed and BMPs added to remedy the feature.

## Appendix E Compliance Status Reports

**Table E-1 CSR Result Description Definitions**

Result Description	Definition
D: ATAL	Parameter was detected and compared against the average target action level.
D: MQL	Parameter was detected and compared against the minimum quantification level.
D: MTAL	Parameter was detected and compared against the maximum target action level.
ND: ATAL	Parameter was not detected and compared against the average target action level.
ND: MQL	Parameter was not detected and compared against the minimum quantification level.
ND: MTAL	Parameter was not detected and compared against the maximum target action level.



## Surface Water Program

To/MS: Memo to File  
From/MS: Amanda White  
Phone/Fax: (505) 309-1366  
Symbol: N3B-SWP-23-001  
Date: March 7, 2023

### CERTIFICATION SIGNATURE OF INDIVIDUAL PERMIT COMPLIANCE STATUS REPORTS for January 1, 2022, to December 31, 2022, Reporting Period

Per the U.S. Environmental Protection Agency-issued National Pollutant Discharge Elimination System Individual Permit for storm water discharges from Los Alamos National Laboratory, No. NM0030759, a signature of the principal executive officer of the Permittees shall be included on all compliance status reports. Effective August 1, 2022, a total of 239 site monitoring areas (SMAs) are included on the Individual Permit. Three SMAs, S-SMA-3.61, S-SMA-3.62, and PJ-SMA-9.2, were added to the 2022 Individual Permit by the New Mexico Environment Department in the State Certification process but no monitoring occurred at these locations in 2022.

This memo serves as the certification for the compliance status reports for the reporting period from January 1, 2022, to December 31, 2022, for the following 236 SMAs:

SMA	Permitted Feature
2M-SMA-1	E001
2M-SMA-1.42	E002
2M-SMA-1.43	E003
2M-SMA-1.44	E004
2M-SMA-1.45	E005
2M-SMA-1.5	E006
2M-SMA-1.65	E007
2M-SMA-1.67	E008
2M-SMA-1.7	E009
2M-SMA-1.8	E010
2M-SMA-1.9	E011
2M-SMA-2	E012
2M-SMA-2.2	E013
2M-SMA-2.5	E015
2M-SMA-3	E014
3M-SMA-0.2	H001
3M-SMA-0.4	H002
3M-SMA-0.5	H003
3M-SMA-0.6	H004
3M-SMA-2.6	H005
3M-SMA-4	H006
A-SMA-1.1	A001
A-SMA-2	A002

SMA	Permitted Feature
A-SMA-2.5	A003
A-SMA-2.7	A004
A-SMA-2.8	A005
A-SMA-3	A006
A-SMA-3.5	A007
A-SMA-4	A008
A-SMA-6	A009
ACID-SMA-1.05	P001
ACID-SMA-2	P002
ACID-SMA-2.01	P002A
ACID-SMA-2.1	P003
B-SMA-0.5	B001
B-SMA-1	B002
CDB-SMA-0.15	C003
CDB-SMA-0.25	C002
CDB-SMA-0.55	C003
CDB-SMA-1	C004
CDB-SMA-1.15	C005
CDB-SMA-4	C010
CDV-SMA-1.2	V001
CDV-SMA-1.3	V002
CDV-SMA-1.4	V003
CDV-SMA-1.45	V004
CDV-SMA-1.7	V005
CDV-SMA-2	V006
CDV-SMA-2.3	V007
CDV-SMA-2.41	V008
CDV-SMA-2.42	V008A
CDV-SMA-2.5	V009
CDV-SMA-2.51	V009A
CDV-SMA-3	V010
CDV-SMA-4	V011
CDV-SMA-6.01	V012
CDV-SMA-6.02	V012A
CDV-SMA-7	V013
CDV-SMA-8	V014
CDV-SMA-8.5	V015
CDV-SMA-9.05	V016
CHQ-SMA-0.5	Q001
CHQ-SMA-1.01	Q002
CHQ-SMA-1.02	Q002A
CHQ-SMA-1.03	Q002B
CHQ-SMA-2	Q003
CHQ-SMA-3.05	Q004
CHQ-SMA-4	Q005

SMA	Permitted Feature
CHQ-SMA-4.1	Q006
CHQ-SMA-4.5	Q007
CHQ-SMA-5.05	Q008
CHQ-SMA-6	Q009
CHQ-SMA-7.1	Q010
DP-SMA-0.3	D001
DP-SMA-0.4	D002
DP-SMA-0.6	D003
DP-SMA-1	D004
DP-SMA-2	D005
DP-SMA-2.35	D006
DP-SMA-3	D007
F-SMA-2	F001
LA-SMA-0.85	L001
LA-SMA-0.9	L002
LA-SMA-1	L003
LA-SMA-1.1	L004
LA-SMA-1.25	L005
LA-SMA-2.1	L006
LA-SMA-2.3	L007
LA-SMA-3.1	L008
LA-SMA-3.9	L009
LA-SMA-4.1	L010
LA-SMA-4.2	L011
LA-SMA-5.01	L012
LA-SMA-5.02	L012A
LA-SMA-5.2	L013
LA-SMA-5.31	L015
LA-SMA-5.33	L016
LA-SMA-5.35	L014
LA-SMA-5.361	L017
LA-SMA-5.362	L017A
LA-SMA-5.51	L018
LA-SMA-5.52	L018A
LA-SMA-5.53	L018B
LA-SMA-5.54	L018C
LA-SMA-5.91	L019
LA-SMA-5.92	L019A
LA-SMA-6.25	L020
LA-SMA-6.3	L022
LA-SMA-6.31	L022A
LA-SMA-6.32	L023
LA-SMA-6.34	L024
LA-SMA-6.38	L026
LA-SMA-6.395	L027

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SMA	Permitted Feature
LA-SMA-6.5	L028
LA-SMA-9	L029
LA-SMA-10.12	L030A
M-SMA-1	M001
M-SMA-1.2	M002
M-SMA-1.21	M002A
M-SMA-1.22	M002B
M-SMA-3	M003
M-SMA-3.1	M004
M-SMA-3.5	M005
M-SMA-4	M006
M-SMA-5	M007
M-SMA-6	M008
M-SMA-7	M009
M-SMA-7.9	M010
M-SMA-10	M012
M-SMA-10.01	M012A
M-SMA-10.3	M013
M-SMA-11.1	M014
M-SMA-12	M015
M-SMA-12.5	M016
M-SMA-12.6	M017
M-SMA-12.7	M018
M-SMA-12.8	M019
M-SMA-12.9	M020
M-SMA-12.92	M021
M-SMA-13	M022
P-SMA-0.3	P004
P-SMA-1	P005
P-SMA-2	P006
P-SMA-2.15	P007
P-SMA-2.2	P008
P-SMA-3.05	P009
PJ-SMA-1.05	J001
PJ-SMA-2	J002
PJ-SMA-3.05	J003
PJ-SMA-4.05	J004
PJ-SMA-5	J005
PJ-SMA-5.1	J006
PJ-SMA-6	J007
PJ-SMA-7	J008
PJ-SMA-8	J009
PJ-SMA-9	J010
PJ-SMA-10	J012
PJ-SMA-11	J013



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SMA	Permitted Feature
PJ-SMA-11.1	J014
PJ-SMA-13.7	J016
PJ-SMA-14.2	J018
PJ-SMA-14.3	J019
PJ-SMA-14.4	J020
PJ-SMA-14.6	J021
PJ-SMA-14.8	J022
PJ-SMA-16	J023
PJ-SMA-17	J024
PJ-SMA-18	J026
PJ-SMA-19	J025
PJ-SMA-20	J027
Pratt-SMA-1.05	T001
PT-SMA-0.5	I001
PT-SMA-1	I002
PT-SMA-1.7	I003
PT-SMA-2	I004
PT-SMA-2.01	I004A
PT-SMA-3	I005
PT-SMA-4.2	I007
R-SMA-1	R002
R-SMA-1.95	R003
R-SMA-2.3	R005
R-SMA-2.5	R006
S-SMA-0.25	S001
S-SMA-1.1	S002
S-SMA-2	S003
S-SMA-2.01	S003A
S-SMA-2.8	S004
S-SMA-3.51	S005
S-SMA-3.52	S005A
S-SMA-3.53	S005B
S-SMA-3.6	S006
S-SMA-3.7	S007
S-SMA-3.71	S008
S-SMA-3.72	S009
S-SMA-3.95	S010
S-SMA-4.1	S011
S-SMA-5	S013
S-SMA-5.2	S014
S-SMA-5.5	S015
S-SMA-6	S016
STRM-SMA-1.05	J028
STRM-SMA-1.5	J029
STRM-SMA-4.2	J030

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SMA	Permitted Feature
STRM-SMA-5.05	J031
T-SMA-1	T002
T-SMA-2.5	T003
T-SMA-2.85	T004
T-SMA-3	T005
T-SMA-4	T006
T-SMA-5	T007
T-SMA-6.8	T008
T-SMA-7	T009
T-SMA-7.1	T010
W-SMA-1	W001
W-SMA-1.5	W002
W-SMA-2.05	W003
W-SMA-3.5	W004
W-SMA-4.1	W005
W-SMA-5	W006
W-SMA-6	W007
W-SMA-7	W008
W-SMA-7.8	W009
W-SMA-7.9	W010
W-SMA-8	W011
W-SMA-8.7	W012
W-SMA-8.71	W012A
W-SMA-9.05	W013
W-SMA-9.5	W014
W-SMA-9.7	W015
W-SMA-9.8	W016
W-SMA-9.9	W017
W-SMA-10	W018
W-SMA-11.7	W019
W-SMA-12.05	W020
W-SMA-14.1	W021
W-SMA-15.1	W022

#### **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 managed the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.”*

Name of Delegated Official of Permittees: Amanda B. White

---

Z#: 210230

Amanda  
White

Digitally signed by  
Amanda White  
Date: 2023.03.21  
17:30:44 -06'00'

Delegated Official Signature: \_\_\_\_\_

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: E001	Site Monitoring Area No. 2M-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00102040026 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00103010014 : Earthen Berm	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00103110035 : Eco-Block	CA	06/17/2019	–
–	–	–	–	–	–	E00103120034 : Rock Berm	CA	11/04/2015	–
–	–	–	–	–	–	E00104060010 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E00104060011 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E00104060033 : Riprap	CA	11/04/2015	–
–	–	–	–	–	–	E00105020013 : Sediment Basin	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010007 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E00106010008 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E00106010009 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E00106010017 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010018 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010019 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010020 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010021 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010022 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010023 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010024 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010025 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00106010028 : Rock Check Dam	CA	06/19/2015	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00106010029 : Rock Check Dam	CA	06/19/2015	–
–	–	–	–	–	–	E00106020031 : Log Check Dam	CA	11/18/2015	–
–	–	–	–	–	–	E00106020032 : Log Check Dam	CA	11/18/2015	–
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

2M-SMA-1, page 2 of 2

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E002	Site Monitoring Area No. 2M-SMA-1.42	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00202040015 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00203010011 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	E00203010012 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	E00203010014 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	E00203120003 : Rock Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E00206010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E00206010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E00206010008 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 02/26/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E003	Site Monitoring Area No. 2M-SMA-1.43	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00302040005 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00306010003 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: E004	Site Monitoring Area No. 2M-SMA-1.44	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00402040008 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00403010006 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	E00403010011 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E00403010015 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E00403060019 : Straw Wattle	CA	08/07/2015	–
–	–	–	–	–	–	E00403060020 : Straw Wattle	CA	08/07/2015	–
–	–	–	–	–	–	E00403060021 : Straw Wattle	CA	08/07/2015	–
–	–	–	–	–	–	E00403060023 : Straw Wattle	CA	08/07/2015	–
–	–	–	–	–	–	E00403060024 : Straw Wattle	CA	08/07/2015	–
–	–	–	–	–	–	E00403060027 : Straw Wattle	CA	10/30/2015	–
–	–	–	–	–	–	E00403140016 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E00403140028 : Coir Log	CA	09/28/2021	–
–	–	–	–	–	–	E00404060012 : Riprap	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E00406010009 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E00406010010 : Rock Check Dam	CA	09/04/2015	10/04/2015

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00406010013 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E00406010014 : Rock Check Dam	CA	09/04/2015	10/04/2015
Comments: The sampler was activated for corrective action monitoring on 03/15/2022. The sampler was shut down for winter on 11/07/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E005	Site Monitoring Area No. 2M-SMA-1.45	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00502040018 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00503010014 : Earthen Berm	BCM	10/31/2011	–
–	–	–	–	–	–	E00503010015 : Earthen Berm	BCM	10/31/2011	–
–	–	–	–	–	–	E00503010016 : Earthen Berm	CA	08/21/2012	09/20/2012
–	–	–	–	–	–	E00503010017 : Earthen Berm	CA	08/21/2012	09/20/2012

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 09/08/2015 with certification of completion of corrective action under the 2010 IP Part E.2(a).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E006	Site Monitoring Area No. 2M-SMA-1.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00602040005 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00603060007 : Straw Wattle	BCM	09/14/2020	–

Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler attempted but was unable to collect on 07/27/2022 and the sampler was reset for continued monitoring on 08/01/2022 (inoperable 5 d). The sampler was shut down for winter on 10/31/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

2M-SMA-1.5, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E007	Site Monitoring Area No. 2M-SMA-1.65	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00702040011 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	E00703010010 : Earthen Berm	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00706010006 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00706010007 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00706010008 : Rock Check Dam	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	E00706010009 : Rock Check Dam	CA	07/20/2012	08/19/2012

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. The sampler was shut down for winter on 10/27/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

2M-SMA-1.65, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E008	Site Monitoring Area No. 2M-SMA-1.67	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00802040016 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00803010014 : Earthen Berm	BCM	10/31/2011	–
–	–	–	–	–	–	E00803010015 : Earthen Berm	BCM	10/31/2011	–
Comments: The sampler was activated for baseline monitoring on 03/18/2022. The sampler was shut down for winter on 11/01/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

2M-SMA-1.67, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E009	Site Monitoring Area No. 2M-SMA-1.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E00902040009 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E00903010008 : Earthen Berm	CA	07/27/2012	08/26/2012
–	–	–	–	–	–	E00903120005 : Rock Berm	BCM	01/10/2011	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E010	Site Monitoring Area No. 2M-SMA-1.8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E01002040010 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E01003040003 : Asphalt Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01003100012 : Gravel Bags	CA	08/23/2016	–
–	–	–	–	–	–	E01006010004 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01006010005 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01006010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01006010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

2M-SMA-1.8, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E011	Site Monitoring Area No. 2M-SMA-1.9	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E01103090001 : Curbing	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01103100003 : Gravel Bags	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01103100006 : Gravel Bags	CA	08/09/2018	–
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

2M-SMA-1.9, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E012	Site Monitoring Area No. 2M-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E01202040015 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	E01203090006 : Curbing	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01205020014 : Sediment Basin	CA	05/02/2013	06/01/2013
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E013	Site Monitoring Area No. 2M-SMA-2.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E01303090002 : Curbing	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E01304020003 : Concrete/Asphalt Channel/Swale	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E01306010004 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	E01306010005 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 09/29/2015. The sample required under the 2010 IP Part E.1(b) was collected on 07/01/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E015	Site Monitoring Area No. 2M-SMA-2.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E01502040006 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	E01503010004 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	E01503010005 : Earthen Berm	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/16/2022. The sampler attempted but was unable to collect on 06/18/2022 with no associated downtime and again on 06/25/2022. The sampler was reset for continued monitoring on 07/07/2022 (inoperable 12 d). The sampler attempted but was unable to collect on 07/30/2022 and the sampler was reset for continued monitoring on 08/18/2022 (inoperable 19 d). The sampler was shut down for winter on 11/02/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: E014	Site Monitoring Area No. 2M-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	E01402040013 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	E01403010028 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01403010029 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01403060030 : Straw Wattle	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01403140022 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01403140023 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01403140024 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01403140031 : Coir Log	CA	09/09/2015	–
–	–	–	–	–	–	E01403140034 : Coir Log	CA	07/14/2021	–
–	–	–	–	–	–	E01403140035 : Coir Log	CA	07/14/2021	–
–	–	–	–	–	–	E01406010025 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01406010026 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	E01406010027 : Rock Check Dam	CA	09/04/2015	10/04/2015

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. The sampler collected insufficient volume for the 2010 IP permit requirements on 06/26/2022 with no associated downtime. The sampler was shut down for winter on 11/15/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: H001	Site Monitoring Area No. 3M-SMA-0.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	H00102040006 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	H00103010005 : Earthen Berm	BCM	09/15/2011	–
–	–	–	–	–	–	H00103010010 : Earthen Berm	CA	07/14/2021	08/13/2021
–	–	–	–	–	–	H00106010002 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	H00106010007 : Rock Check Dam	BCM	12/04/2015	–
–	–	–	–	–	–	H00106010008 : Rock Check Dam	BCM	12/04/2015	–
–	–	–	–	–	–	H00106010009 : Rock Check Dam	BCM	12/04/2015	–

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. The sampler was shut down for winter on 11/09/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: H002	Site Monitoring Area No. 3M-SMA-0.4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	H00202040005 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	H00203010003 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	H00203010004 : Earthen Berm	BCM	09/15/2011	–
–	–	–	–	–	–	H00203100014 : Gravel Bags	CA	03/30/2016	–
–	–	–	–	–	–	H00203120008 : Rock Berm	CA	10/06/2014	–
–	–	–	–	–	–	H00203120009 : Rock Berm	CA	10/06/2014	–
–	–	–	–	–	–	H00203120010 : Rock Berm	CA	10/06/2014	–
–	–	–	–	–	–	H00203120011 : Rock Berm	CA	10/06/2014	–
–	–	–	–	–	–	H00203120015 : Rock Berm	CA	03/30/2016	–
–	–	–	–	–	–	H00203120016 : Rock Berm	CA	03/30/2016	–
–	–	–	–	–	–	H00203140017 : Coir Log	CA	09/19/2018	–
–	–	–	–	–	–	H00205020007 : Sediment Basin	CA	10/06/2014	–
–	–	–	–	–	–	H00208020006 : Rock Cap	BCM	11/19/2013	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: H003	Site Monitoring Area No. 3M-SMA-0.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Copper, F	Y	5.85	ug/L	7/27/2022	D : MTAL	H00302040017 : Established Vegetation	BCM	05/08/2013	—
Gross alpha, UF	Y	304	pCi/L	7/27/2022	D : ATAL	H00303010030 : Earthen Berm	CA	10/28/2015	11/27/2015
RDX, UF	N	0.4	ug/L	7/27/2022	ND : ATAL	H00304060001 : Riprap	BCM	01/10/2011	04/29/2011
Trinitrotoluene[2,4,6-], UF	N	0.4	ug/L	7/27/2022	ND : ATAL	H00304060004 : Riprap	BCM	01/10/2011	04/29/2011
—	—	—	—	—	—	H00304060018 : Riprap	CA	10/28/2015	11/27/2015
—	—	—	—	—	—	H00306010002 : Rock Check Dam	BCM	01/10/2011	04/29/2011
—	—	—	—	—	—	H00306010005 : Rock Check Dam	BCM	01/10/2011	04/29/2011
—	—	—	—	—	—	H00306010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
—	—	—	—	—	—	H00306010012 : Rock Check Dam	BCM	01/10/2011	04/29/2011
—	—	—	—	—	—	H00306010016 : Rock Check Dam	BCM	01/10/2011	04/29/2011
—	—	—	—	—	—	H00306010019 : Rock Check Dam	CA	10/28/2015	11/27/2015
—	—	—	—	—	—	H00306010020 : Rock Check Dam	CA	10/28/2015	11/27/2015
—	—	—	—	—	—	H00306010021 : Rock Check Dam	CA	10/28/2015	11/27/2015
—	—	—	—	—	—	H00306010022 : Rock Check Dam	CA	10/28/2015	11/27/2015
—	—	—	—	—	—	H00306010023 : Rock Check Dam	CA	10/28/2015	11/27/2015

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	H00306010024 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00306010025 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00306010026 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00306010027 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00306010028 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00306010029 : Rock Check Dam	CA	10/28/2015	11/27/2015
Comments: The sampler was activated for corrective action monitoring on 04/01/2022. A confirmation monitoring sample was collected on 07/27/2022 and the sampler was reset for continued monitoring on 07/28/2022 (inoperable < 1 d). The sampler was shut down for winter on 11/18/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: H004	Site Monitoring Area No. 3M-SMA-0.6	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	H00401050036 : Gravel Mulch	BCM	02/24/2020	–
–	–	–	–	–	–	H00402040029 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	H00403010030 : Earthen Berm	BCM	10/25/2017	–
–	–	–	–	–	–	H00403060008 : Straw Wattle	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	H00403060031 : Straw Wattle	BCM	02/24/2020	–
–	–	–	–	–	–	H00403060032 : Straw Wattle	BCM	02/24/2020	–
–	–	–	–	–	–	H00403060033 : Straw Wattle	BCM	02/24/2020	–
–	–	–	–	–	–	H00403060034 : Straw Wattle	BCM	02/24/2020	–
–	–	–	–	–	–	H00403060035 : Straw Wattle	CA	02/24/2020	–

Comments: The sampler was activated for baseline monitoring on 04/01/2022. The sampler was shut down for winter on 11/07/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: H005	Site Monitoring Area No. 3M-SMA-2.6	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	H00502040007 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	H00503120005 : Rock Berm	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	H00504040003 : Culvert	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	H00506010006 : Rock Check Dam	BCM	04/27/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 04/01/2022. The sampler was shut down for winter on 10/26/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

3M-SMA-2.6, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: H006	Site Monitoring Area No. 3M-SMA-4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	H00602040010 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	H00604020009 : Concrete/Asphalt Channel/Swale	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	H00604060005 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	H00604060013 : Riprap	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00604060015 : Riprap	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00606010011 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00607010002 : Gabion	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	H00607010012 : Gabion	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	H00607010014 : Gabion	CA	10/28/2015	11/27/2015

Comments: No confirmation monitoring was conducted in 2022. Corrective action monitoring was completed on 01/12/2018. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/22/2019.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: A001	Site Monitoring Area No. A-SMA-1.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00102040006 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	A00103010005 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	A00104060010 : Riprap	CA	12/07/2021	01/06/2022
–	–	–	–	–	–	A00106010007 : Rock Check Dam	CA	12/07/2021	01/06/2022
–	–	–	–	–	–	A00106010008 : Rock Check Dam	CA	12/07/2021	01/06/2022
–	–	–	–	–	–	A00106010009 : Rock Check Dam	CA	12/07/2021	01/06/2022

Comments: The sampler was activated for corrective action monitoring on 03/22/2022. The sampler was shut down for winter on 11/03/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: A002	Site Monitoring Area No. A-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00202040017 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	A00203010041 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00203010042 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00203010043 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00203010056 : Earthen Berm	CA	03/09/2022	04/08/2022
–	–	–	–	–	–	A00203020051 : Base Course Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00203150047 : Redi-Rock Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00203150054 : Redi-Rock Berm	CA	03/09/2022	04/08/2022
–	–	–	–	–	–	A00204040049 : Culvert	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00204050053 : Water Bar	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00204060004 : Riprap	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00204080045 : TRM-Lined Swale	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00204080048 : TRM-Lined Swale	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00204080052 : TRM-Lined Swale	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	A00204080055 : TRM-Lined Swale	CA	03/09/2022	04/08/2022

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00205020050 : Sediment Basin	CA	08/10/2015	09/09/2015
Comments: The sampler was activated for corrective action monitoring on 03/22/2022. The sampler was shut down for winter on 11/03/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: A003	Site Monitoring Area No. A-SMA-2.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00302040007 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	A00303010003 : Earthen Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00303010010 : Earthen Berm	BCM	05/17/2017	–
–	–	–	–	–	–	A00303060008 : Straw Wattle	BCM	07/19/2013	–
–	–	–	–	–	–	A00303060009 : Straw Wattle	BCM	07/19/2013	–
–	–	–	–	–	–	A00304060014 : Riprap	BCM	05/17/2017	–
–	–	–	–	–	–	A00304080015 : TRM-Lined Swale	BCM	05/17/2017	–
–	–	–	–	–	–	A00307010012 : Gabion	BCM	05/17/2017	–
–	–	–	–	–	–	A00307010013 : Gabion	BCM	05/17/2017	–
–	–	–	–	–	–	A00307020011 : Gabion Blanket	BCM	05/17/2017	–

Comments: The sampler was activated for baseline monitoring on 03/22/2022. The sampler was found to be inoperable due to equipment failure on 10/04/2022 with an estimated loss of power on 08/24/2022 (inoperable 41 d). The sampler was shut down for winter on 11/03/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: A004	Site Monitoring Area No. A-SMA-2.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00402040017 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	A00403010013 : Earthen Berm	CA	08/23/2012	09/22/2012
–	–	–	–	–	–	A00403010014 : Earthen Berm	CA	08/23/2012	09/22/2012
–	–	–	–	–	–	A00403010015 : Earthen Berm	CA	08/23/2012	09/22/2012
–	–	–	–	–	–	A00403010016 : Earthen Berm	CA	08/23/2012	09/22/2012

Comments: The sampler was activated for corrective action monitoring on 03/23/2022. The sampler was shut down for the monitoring season on 08/12/2022 due to Consent Order remediation activities near the monitoring location.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: A005	Site Monitoring Area No. A-SMA-2.8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	285	ug/L	7/27/2022	D : MTAL	A00502040006 : Established Vegetation	BCM	12/22/2022	—
Antimony, F	N	1	ug/L	7/27/2022	ND : ATAL	A00503010002 : Earthen Berm	BCM	02/09/2011	04/29/2011
Arsenic, F	N	5.99	ug/L	7/27/2022	D : ATAL	A00508020005 : Rock Cap	BCM	10/14/2014	—
Boron, F	N	23.6	ug/L	7/27/2022	D : ATAL	—	—	—	—
Cadmium, F	N	0.3	ug/L	7/27/2022	ND : MQL	—	—	—	—
Chromium, F	N	3	ug/L	7/27/2022	ND : MTAL	—	—	—	—
Cobalt, F	N	4.76	ug/L	7/27/2022	D : ATAL	—	—	—	—
Copper, F	N	2.62	ug/L	7/27/2022	D : MTAL	—	—	—	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/27/2022	ND : MQL	—	—	—	—
Gross alpha, UF	Y	669	pCi/L	7/27/2022	D : ATAL	—	—	—	—
Lead, F	N	2.19	ug/L	7/27/2022	D : MTAL	—	—	—	—
Mercury, UF	N	0.58	ug/L	7/27/2022	D : ATAL	—	—	—	—
Nickel, F	N	3.95	ug/L	7/27/2022	D : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	23	pCi/L	7/27/2022	D : ATAL	—	—	—	—
Selenium, UF	Y	21.6	ug/L	7/27/2022	D : ATAL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	0.3	ug/L	7/27/2022	ND : MQL	–	–	–	–
Thallium, F	N	0.6	ug/L	7/27/2022	ND : ATAL	–	–	–	–
Vanadium, F	N	5.34	ug/L	7/27/2022	D : ATAL	–	–	–	–
Zinc, F	N	6.97	ug/L	7/27/2022	D : MTAL	–	–	–	–
Comments: The sampler was activated for baseline monitoring on 03/31/2022. A confirmation monitoring sample was collected on 7/27/2022 and the sampler was shut down for the season on 8/12/2022 due to Consent Order remediation activities near the monitoring location.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: A006	Site Monitoring Area No. A-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00602040018 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	A00603020023 : Base Course Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	A00603120017 : Rock Berm	BCM	05/23/2012	–
–	–	–	–	–	–	A00603140037 : Coir Log	BCM	08/29/2018	–
–	–	–	–	–	–	A00603150027 : Redi-Rock Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	A00603150035 : Redi-Rock Berm	CA	05/30/2017	–
–	–	–	–	–	–	A00604010022 : Earthen Channel/Swale	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	A00604030025 : Rock Channel/Swale	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	A00604060024 : Riprap	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	A00606010010 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	A00606010011 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	A00606010019 : Rock Check Dam	BCM	11/26/2013	–
–	–	–	–	–	–	A00606010031 : Rock Check Dam	CA	05/30/2017	–
–	–	–	–	–	–	A00606010032 : Rock Check Dam	CA	05/30/2017	–
–	–	–	–	–	–	A00606010033 : Rock Check Dam	CA	05/30/2017	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00606010034 : Rock Check Dam	CA	05/30/2017	–
–	–	–	–	–	–	A00606010038 : Rock Check Dam	CA	12/07/2021	01/06/2022
–	–	–	–	–	–	A00608020029 : Rock Cap	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	A00608020030 : Rock Cap	CA	08/09/2016	–
–	–	–	–	–	–	A00608020036 : Rock Cap	CA	05/30/2017	–
Comments: The sampler was activated for corrective action monitoring on 03/22/2022. The sampler was shut down for the monitoring season on 08/19/2022 due to Consent Order remediation activities near the monitoring location.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: A007	Site Monitoring Area No. A-SMA-3.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	446	ug/L	7/12/2022	D : MTAL	A00702040003 : Established Vegetation	BCM	05/13/2013	—
Antimony, F	N	1	ug/L	7/12/2022	ND : ATAL	A00703060007 : Straw Wattle	BCM	12/21/2020	—
Arsenic, F	N	2	ug/L	7/12/2022	ND : ATAL	A00703060008 : Straw Wattle	BCM	12/21/2020	—
Boron, F	N	15	ug/L	7/12/2022	ND : ATAL	—	—	—	—
Cadmium, F	N	0.3	ug/L	7/12/2022	ND : MQL	—	—	—	—
Chromium, F	N	3	ug/L	7/12/2022	ND : MTAL	—	—	—	—
Cobalt, F	N	1.37	ug/L	7/12/2022	D : ATAL	—	—	—	—
Copper, F	N	2.08	ug/L	7/12/2022	D : MTAL	—	—	—	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/12/2022	ND : MQL	—	—	—	—
Gross alpha, UF	Y	272	pCi/L	7/12/2022	D : ATAL	—	—	—	—
Lead, F	N	0.659	ug/L	7/12/2022	D : MTAL	—	—	—	—
Mercury, UF	N	0.09	ug/L	7/12/2022	D : ATAL	—	—	—	—
Nickel, F	N	0.734	ug/L	7/12/2022	D : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	6.18	pCi/L	7/12/2022	D : ATAL	—	—	—	—
Selenium, UF	N	4.51	ug/L	7/12/2022	D : ATAL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	0.3	ug/L	7/12/2022	ND : MQL	–	–	–	–
Thallium, F	N	0.6	ug/L	7/12/2022	ND : ATAL	–	–	–	–
Total PCB, UF	Y	0.00155	ug/L	7/12/2022	D : ATAL	–	–	–	–
Vanadium, F	N	2.07	ug/L	7/12/2022	D : ATAL	–	–	–	–
Zinc, F	N	38.5	ug/L	7/12/2022	D : MTAL	–	–	–	–
Comments: The sampler was activated for baseline monitoring on 04/01/2022. A confirmation monitoring sample was collected on 7/12/2022 and the sampler was shut down for the season on 07/13/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: A008	Site Monitoring Area No. A-SMA-4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00802040010 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	A00803010007 : Earthen Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00803010009 : Earthen Berm	BCM	05/20/2011	–
–	–	–	–	–	–	A00806010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00806010004 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Baseline monitoring was completed on 07/23/2018. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 10/27/2020.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: A009	Site Monitoring Area No. A-SMA-6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00902040023 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	A00903010021 : Earthen Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00904020007 : Concrete/Asphalt Channel/Swale	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00904060005 : Riprap	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010008 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010009 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010010 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010011 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010012 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010013 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010014 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010015 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010016 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010017 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010018 : Rock Check Dam	BCM	02/09/2011	04/29/2011

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	A00906010019 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	A00906010020 : Rock Check Dam	BCM	02/09/2011	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P001	Site Monitoring Area No. ACID-SMA-1.05	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00102040007 : Established Vegetation	BCM	01/29/2023	–
–	–	–	–	–	–	P00103010005 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00103090003 : Curbing	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00104040004 : Culvert	BCM	11/22/2010	12/01/2010

Comments: The sampler was activated for baseline monitoring on 03/25/2022. The sampler was found to be inoperable due to equipment failure on 06/01/2022 with a recorded loss of power on 05/08/2022 (inoperable 24 d). A confirmation monitoring sample was collected on 07/27/2022 and the sampler was reset for monitoring on 08/26/2022 (inoperable 31 d). A non-confirmation monitoring sampler was collected on 10/16/2022 and the sampler was shut down for winter on 11/02/2022 (inoperable 18 d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P002	Site Monitoring Area No. ACID-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00202040018 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	P00206010014 : Rock Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00206010015 : Rock Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00206010016 : Rock Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00206010019 : Rock Check Dam	CA	07/26/2017	–
–	–	–	–	–	–	P00206020020 : Log Check Dam	CA	10/26/2016	–
–	–	–	–	–	–	P00206020021 : Log Check Dam	CA	10/26/2016	–
–	–	–	–	–	–	P00206020022 : Log Check Dam	CA	10/26/2016	–
–	–	–	–	–	–	P00206020023 : Log Check Dam	CA	10/26/2016	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action monitoring was completed on 01/12/2018. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/22/2019.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

ACID-SMA-2, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P002A	Site Monitoring Area No. ACID-SMA-2.01	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P002A02040007 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	P002A03010004 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P002A03140010 : Coir Log	BCM	08/02/2017	–
–	–	–	–	–	–	P002A04060002 : Riprap	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/25/2022. The sampler was shut down for winter on 11/02/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P003	Site Monitoring Area No. ACID-SMA-2.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00302030012 : Permanent Vegetation Vegetative Buffer Strip	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00302040019 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	P00303010009 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00304060011 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00306010020 : Rock Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00306010021 : Rock Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00306010022 : Rock Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00306010027 : Rock Check Dam	CA	07/26/2017	–
–	–	–	–	–	–	P00306020023 : Log Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00306020025 : Log Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00306020026 : Log Check Dam	CA	10/13/2016	11/13/2016
–	–	–	–	–	–	P00306020028 : Log Check Dam	CA	09/22/2022	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action monitoring was completed on 01/12/2018. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/22/2019.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

ACID-SMA-2.1, page 1 of 1

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: B001	Site Monitoring Area No. B-SMA-0.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	B00101060027 : Erosion Control Blanket	CA	08/09/2018	–
–	–	–	–	–	–	B00102040012 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	B00103010006 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00103010007 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00103140016 : Coir Log	CA	10/03/2016	–
–	–	–	–	–	–	B00103140018 : Coir Log	CA	10/03/2016	–
–	–	–	–	–	–	B00103140019 : Coir Log	CA	10/03/2016	–
–	–	–	–	–	–	B00103140020 : Coir Log	CA	10/03/2016	–
–	–	–	–	–	–	B00103140024 : Coir Log	CA	10/03/2016	–
–	–	–	–	–	–	B00103140025 : Coir Log	CA	10/03/2016	–
–	–	–	–	–	–	B00104010005 : Earthen Channel/Swale	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00104010026 : Earthen Channel/Swale	CA	10/03/2016	–
–	–	–	–	–	–	B00104040003 : Culvert	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00104050015 : Water Bar	CA	10/03/2016	–
–	–	–	–	–	–	B00104060009 : Riprap	BCM	08/27/2012	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	B00106010008 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00106010021 : Rock Check Dam	CA	10/03/2016	–
–	–	–	–	–	–	B00106020022 : Log Check Dam	CA	10/03/2016	–
–	–	–	–	–	–	B00106020023 : Log Check Dam	CA	10/03/2016	–
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 03/23/2017 with certification of completion of corrective action under the 2010 IP Part E.2(d).									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: B002	Site Monitoring Area No. B-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	B00202040008 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	B00203140009 : Coir Log	BCM	10/28/2019	10/28/2019
–	–	–	–	–	–	B00203140010 : Coir Log	BCM	10/28/2019	10/28/2019
–	–	–	–	–	–	B00206010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00206010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00206010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00206010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	B00206010007 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 11/22/2013 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: C001	Site Monitoring Area No. CDB-SMA-0.15	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	C00102040015 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	C00103010013 : Earthen Berm	BCM	08/15/2011	–
–	–	–	–	–	–	C00103060020 : Straw Wattle	BCM	11/04/2014	–
–	–	–	–	–	–	C00103060021 : Straw Wattle	BCM	11/04/2014	–
–	–	–	–	–	–	C00103120009 : Rock Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	C00106030003 : Juniper Bales	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	C00106030005 : Juniper Bales	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	C00106030006 : Juniper Bales	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	C00106030007 : Juniper Bales	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 02/26/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: C002	Site Monitoring Area No. CDB-SMA-0.25	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	C00202040019 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	C00203010013 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	C00203010017 : Earthen Berm	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	C00203010018 : Earthen Berm	CA	07/20/2012	08/19/2012
–	–	–	–	–	–	C00204060009 : Riprap	BCM	11/22/2010	12/01/2010
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CDB-SMA-0.25, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: C003	Site Monitoring Area No. CDB-SMA-0.55	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	C00302040021 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	C00303010011 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010013 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010015 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010016 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010017 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010018 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010019 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00306010020 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CDB-SMA-0.55, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: C004	Site Monitoring Area No. CDB-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	C00402040015 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	C00403010016 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	C00403010017 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	C00404060006 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00404060008 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00404060009 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00406010010 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00406010011 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00406010012 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00406010013 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	C00406010018 : Rock Check Dam	CA	09/21/2020	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler attempted but was unable to collect on 09/09/2022 and the sampler was reset for continued monitoring on 09/20/2022 (inoperable 11 d). The sampler was shut down for winter on 10/31/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: C005	Site Monitoring Area No. CDB-SMA-1.15	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	C00502040011 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	C00503010012 : Earthen Berm	BCM	12/04/2017	–
–	–	–	–	–	–	C00504060007 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	C00504060008 : Riprap	BCM	11/22/2010	12/01/2010

Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler was shut down for winter on 11/03/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: C010	Site Monitoring Area No. CDB-SMA-4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	C01002040012 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	C01004020005 : Concrete/Asphalt Channel/Swale	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01004060007 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01005010004 : Sediment Trap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01006010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01006010008 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01006010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01006010010 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	C01006010011 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated on 03/21/2022 to attempt to collect the sample required under the 2010 IP Part E.1(b) following certification of completion of corrective action under the 2010 IP Part E.2(c). The sampler was shut down for winter on 11/10/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V001	Site Monitoring Area No. CDV-SMA-1.2	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00102040012 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V00103020008 : Base Course Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00104060001 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00106010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/23/2022. The sampler was shut down for winter on 11/16/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V002	Site Monitoring Area No. CDV-SMA-1.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00202040003 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V00203020002 : Base Course Berm	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 09/26/2016 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: V003	Site Monitoring Area No. CDV-SMA-1.4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00302040069 : Established Vegetation	BCM	08/27/2013	–
–	–	–	–	–	–	V00303010066 : Earthen Berm	BCM	09/06/2012	–
–	–	–	–	–	–	V00303010070 : Earthen Berm	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00303010071 : Earthen Berm	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00303010072 : Earthen Berm	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00303020017 : Base Course Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00303120087 : Rock Berm	CA	11/20/2015	–
–	–	–	–	–	–	V00305020068 : Sediment Basin	BCM	09/06/2012	–
–	–	–	–	–	–	V00305020073 : Sediment Basin	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00305020074 : Sediment Basin	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00305020075 : Sediment Basin	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00305020076 : Sediment Basin	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	V00306010012 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00306010039 : Rock Check Dam	BCM	08/11/2011	–
–	–	–	–	–	–	V00306010040 : Rock Check Dam	BCM	08/11/2011	–
–	–	–	–	–	–	V00306010043 : Rock Check Dam	BCM	08/29/2011	–
–	–	–	–	–	–	V00306010057 : Rock Check Dam	BCM	08/29/2011	–
–	–	–	–	–	–	V00306010058 : Rock Check Dam	BCM	09/06/2012	–
–	–	–	–	–	–	V00306010059 : Rock Check Dam	BCM	09/06/2012	–
–	–	–	–	–	–	V00306010060 : Rock Check Dam	BCM	09/06/2012	–
–	–	–	–	–	–	V00306010061 : Rock Check Dam	BCM	09/06/2012	–

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00306010062 : Rock Check Dam	BCM	09/06/2012	–
–	–	–	–	–	–	V00306010063 : Rock Check Dam	BCM	09/06/2012	–
–	–	–	–	–	–	V00306010064 : Rock Check Dam	BCM	09/06/2012	–
–	–	–	–	–	–	V00306010065 : Rock Check Dam	BCM	09/06/2012	–
Comments: The sampler was activated for corrective action monitoring on 03/23/2022. The sampler was shut down for winter on 11/10/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V004	Site Monitoring Area No. CDV-SMA-1.45	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00402040005 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V00403010004 : Earthen Berm	CA	07/18/2012	08/17/2012

Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler was shut down for winter on 11/10/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: V005	Site Monitoring Area No. CDV-SMA-1.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00501060035 : Erosion Control Blanket	CA	07/07/2016	–
–	–	–	–	–	–	V00502040016 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	V00503010027 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00503010028 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00503020034 : Base Course Berm	CA	07/07/2016	–
–	–	–	–	–	–	V00503060025 : Straw Wattle	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00503060032 : Straw Wattle	CA	09/14/2015	–
–	–	–	–	–	–	V00504010018 : Earthen Channel/Swale	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00504040017 : Culvert	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00504040036 : Culvert	CA	07/07/2016	–
–	–	–	–	–	–	V00504060015 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00504060026 : Riprap	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00504060039 : Riprap	CA	07/07/2016	–
–	–	–	–	–	–	V00504080033 : TRM-Lined Swale	CA	07/07/2016	–
–	–	–	–	–	–	V00506010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00506010008 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00506010009 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00506010010 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00506010013 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00506010014 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00506010019 : Rock Check Dam	CA	09/04/2015	10/04/2015



Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00506010020 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00506010022 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00506010029 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00506010030 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00506010031 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00506020023 : Log Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V00506040038 : Energy Dissipater	CA	07/07/2016	–
–	–	–	–	–	–	V00507010037 : Gabion	CA	07/07/2016	–
Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler was shut down for winter on 11/18/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V006	Site Monitoring Area No. CDV-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00602040013 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	V00603010006 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00603010007 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00603010008 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00603010009 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00603010010 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00604060003 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00606010002 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	V00608020012 : Rock Cap	BCM	05/12/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V007	Site Monitoring Area No. CDV-SMA-2.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00702040021 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V00703010027 : Earthen Berm	BCM	10/24/2014	–
–	–	–	–	–	–	V00703060028 : Straw Wattle	BCM	10/24/2014	–
–	–	–	–	–	–	V00703060032 : Straw Wattle	CA	09/18/2020	–
–	–	–	–	–	–	V00703060033 : Straw Wattle	CA	07/29/2022	–
–	–	–	–	–	–	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	06/25/2014	–
–	–	–	–	–	–	V00706010025 : Rock Check Dam	BCM	06/25/2014	–
–	–	–	–	–	–	V00707010002 : Gabion	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 02/26/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V008	Site Monitoring Area No. CDV-SMA-2.41	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00802040015 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V00803010013 : Earthen Berm	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	V00804010014 : Earthen Channel/Swale	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	V00804040011 : Culvert	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00804060010 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00806010012 : Rock Check Dam	CA	06/27/2014	07/27/2014

Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler attempted but was unable to collect a sample on 4/01/2022 and was reset for continued monitoring on 04/04/2022 (inoperable 3 d). The sampler was shut down for winter on 11/02/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V008A	Site Monitoring Area No. CDV-SMA-2.42	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V008A01030022 : Hydromulch	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	V008A02040020 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V008A03010021 : Earthen Berm	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	V008A03010024 : Earthen Berm	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	V008A04040023 : Culvert	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	V008A04050025 : Water Bar	CA	08/28/2015	–
–	–	–	–	–	–	V008A04060002 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V008A04060005 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V008A04060018 : Riprap	BCM	10/14/2011	–
–	–	–	–	–	–	V008A04060019 : Riprap	BCM	10/14/2011	–
–	–	–	–	–	–	V008A06010004 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V008A06010017 : Rock Check Dam	BCM	09/12/2011	–
–	–	–	–	–	–	V008A07010003 : Gabion	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V008A08050026 : HDPE Cap	CA	07/14/2021	08/13/2021

Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler attempted but was unable to collect on 07/27/2022 and was reset for continued monitoring on 07/29/2022 (inoperable 2 d). The sampler attempted but was unable to collect on 07/30/2022 and was reset for continued monitoring on 08/01/2022 (inoperable 2 d). The sampler was found to be inoperable on 08/09/2022 due to a sample collection attempt at an undocumented time. The attempt date was estimated as 08/06/2022 using the RTU event notification for the location and the start of the 30 minute maximum storm intensity from the associated precipitation gage. The sampler was reset for continued monitoring on 08/09/2022 (inoperable up to 3 d). The sampler was shut down for winter on 11/10/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: V009	Site Monitoring Area No. CDV-SMA-2.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00902040036 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V00903010011 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00903010043 : Earthen Berm	BCM	10/09/2014	–
–	–	–	–	–	–	V00903120034 : Rock Berm	BCM	11/18/2013	–
–	–	–	–	–	–	V00903120035 : Rock Berm	BCM	11/18/2013	–
–	–	–	–	–	–	V00903120038 : Rock Berm	BCM	10/09/2014	–
–	–	–	–	–	–	V00903120039 : Rock Berm	BCM	10/09/2014	–
–	–	–	–	–	–	V00903120040 : Rock Berm	BCM	10/09/2014	–
–	–	–	–	–	–	V00903120041 : Rock Berm	BCM	10/09/2014	–
–	–	–	–	–	–	V00903120042 : Rock Berm	BCM	10/21/2014	–
–	–	–	–	–	–	V00904060005 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00904060006 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00904060007 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00904060009 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V00906010029 : Rock Check Dam	BCM	09/19/2011	–
–	–	–	–	–	–	V00906010030 : Rock Check Dam	BCM	09/19/2011	–
–	–	–	–	–	–	V00906010031 : Rock Check Dam	BCM	09/19/2011	–
–	–	–	–	–	–	V00906010044 : Rock Check Dam	BCM	10/09/2014	–
–	–	–	–	–	–	V00906010045 : Rock Check Dam	BCM	10/09/2014	–
–	–	–	–	–	–	V00906010046 : Rock Check Dam	BCM	10/09/2014	–
–	–	–	–	–	–	V00906010047 : Rock Check Dam	BCM	10/09/2014	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V00906010048 : Rock Check Dam	BCM	10/09/2014	–
–	–	–	–	–	–	V00906010049 : Rock Check Dam	BCM	10/21/2014	–
–	–	–	–	–	–	V00906010050 : Rock Check Dam	BCM	10/21/2014	–
Comments: No confirmation monitoring was conducted in 2022. Baseline monitoring was completed with receipt of all results less than target action levels on 08/29/2013.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V009A	Site Monitoring Area No. CDV-SMA-2.51	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V009A02040029 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	V009A03020005 : Base Course Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A03020012 : Base Course Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A03060032 : Straw Wattle	BCM	04/10/2019	–
–	–	–	–	–	–	V009A03060033 : Straw Wattle	BCM	04/10/2019	–
–	–	–	–	–	–	V009A06010003 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06010004 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06010013 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06010014 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06010015 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06010016 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V009A06030017 : Juniper Bales	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V010	Site Monitoring Area No. CDV-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01002040013 : Established Vegetation	BCM	04/29/2013	–
–	–	–	–	–	–	V01003010010 : Earthen Berm	CA	07/18/2012	08/17/2012
–	–	–	–	–	–	V01003010011 : Earthen Berm	CA	07/18/2012	08/17/2012
–	–	–	–	–	–	V01003120005 : Rock Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	V01003120009 : Rock Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	V01006010004 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/28/2022. The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V011	Site Monitoring Area No. CDV-SMA-4	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01102040010 : Established Vegetation	BCM	10/27/2015	–
–	–	–	–	–	–	V01103010008 : Earthen Berm	BCM	08/27/2013	–
–	–	–	–	–	–	V01104060007 : Riprap	BCM	08/27/2013	–
–	–	–	–	–	–	V01104060011 : Riprap	BCM	11/14/2015	–
–	–	–	–	–	–	V01106010009 : Rock Check Dam	BCM	08/27/2013	–
Comments: The sampler was activated for baseline monitoring on 03/28/2022. The sampler was shut down for winter on 11/14/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V012	Site Monitoring Area No. CDV-SMA-6.01	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01202040013 : Established Vegetation	BCM	04/29/2013	–
–	–	–	–	–	–	V01203010016 : Earthen Berm	BCM	09/09/2013	–
–	–	–	–	–	–	V01203010017 : Earthen Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	V01203010018 : Earthen Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	V01203020003 : Base Course Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	V01206010022 : Rock Check Dam	CA	11/02/2015	–

Comments: The sampler was activated for corrective action monitoring on 03/28/2022. The sampler was shut down for winter on 11/14/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V012A	Site Monitoring Area No. CDV-SMA-6.02	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V012A01010005 : Seed and Wood Mulch	CA	07/18/2012	08/17/2012
–	–	–	–	–	–	V012A03010004 : Earthen Berm	CA	07/18/2012	08/17/2012
–	–	–	–	–	–	V012A03010006 : Earthen Berm	CA	07/18/2012	08/17/2012
–	–	–	–	–	–	V012A03060008 : Straw Wattle	CA	11/02/2015	–
–	–	–	–	–	–	V012A03140009 : Coir Log	CA	11/02/2015	–
–	–	–	–	–	–	V012A03140010 : Coir Log	CA	07/25/2017	–

Comments: The sampler was activated for corrective action monitoring on 03/28/2022. The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: V013	Site Monitoring Area No. CDV-SMA-7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01302040008 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	V01303010006 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V01303010007 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V01303140010 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V01303140011 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V01303140013 : Coir Log	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V01303140020 : Coir Log	CA	06/29/2017	–
–	–	–	–	–	–	V01303140021 : Coir Log	CA	09/18/2018	–
–	–	–	–	–	–	V01303140022 : Coir Log	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	V01303140023 : Coir Log	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	V01304010015 : Earthen Channel/Swale	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V01304040009 : Culvert	CA	09/24/2014	–
–	–	–	–	–	–	V01306010014 : Rock Check Dam	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	V01306010016 : Rock Check Dam	CA	10/13/2015	10/04/2015
–	–	–	–	–	–	V01306010017 : Rock Check Dam	CA	10/13/2015	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01306010018 : Rock Check Dam	CA	10/13/2015	–
–	–	–	–	–	–	V01306010019 : Rock Check Dam	CA	10/13/2015	–
–	–	–	–	–	–	V01306010024 : Rock Check Dam	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	V01306010025 : Rock Check Dam	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	V01306010026 : Rock Check Dam	CA	12/09/2020	01/08/2021
Comments: The sampler was activated for corrective action monitoring on 03/31/2022. The sampler attempted but was unable to collect a sample on 07/27/2022 with no associated inoperability. The sampler was shut down for winter on 11/01/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V014	Site Monitoring Area No. CDV-SMA-8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01402040009 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	V01403010008 : Earthen Berm	BCM	11/14/2011	–
–	–	–	–	–	–	V01403010012 : Earthen Berm	BCM	12/17/2013	–
–	–	–	–	–	–	V01406010003 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V01406010010 : Rock Check Dam	BCM	12/17/2013	–
–	–	–	–	–	–	V01406010011 : Rock Check Dam	BCM	12/17/2013	–
–	–	–	–	–	–	V01406010013 : Rock Check Dam	BCM	09/03/2014	–
–	–	–	–	–	–	V01406010014 : Rock Check Dam	BCM	09/03/2014	–
–	–	–	–	–	–	V01406010015 : Rock Check Dam	BCM	09/03/2014	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V015	Site Monitoring Area No. CDV-SMA-8.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01502040006 : Established Vegetation	BCM	04/03/2013	–
–	–	–	–	–	–	V01503010005 : Earthen Berm	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/22/2022. The sampler was found to be inoperable due to equipment failure on 04/06/2022 and was last known to be operable at the previous visit on 03/22/2022 (inoperable up to 15 d). The sampler attempted but was unable to collect a sample on 07/27/2022 with no associated inoperability. The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: V016	Site Monitoring Area No. CDV-SMA-9.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	V01602040005 : Established Vegetation	BCM	04/03/2013	–
–	–	–	–	–	–	V01603010002 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V01603010003 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V01603010004 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	V01603140006 : Coir Log	BCM	08/05/2015	–
–	–	–	–	–	–	V01606010007 : Rock Check Dam	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	V01606010008 : Rock Check Dam	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	V01606010009 : Rock Check Dam	CA	12/09/2020	01/08/2021

Comments: The sampler was activated for corrective action monitoring on 03/28/2022. The sampler was shut down for winter on 11/04/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q001	Site Monitoring Area No. CHQ-SMA-0.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00102040008 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q00103010010 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00103010011 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00103140009 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00104050006 : Water Bar	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00104050007 : Water Bar	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00106010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00106010004 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00106010005 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/21/2022. A sample of insufficient volume was collected on 7/12/2022 and the sampler was reactivated for continued monitoring on 07/13/2022 (inoperable 1 d). The sampler attempted but was unable to collect on 07/30/2022 and was reset for continued monitoring on 08/01/2022 (inoperable 2 d). The sampler was shut down for winter on 11/10/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: Q002	Site Monitoring Area No. CHQ-SMA-1.01	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	113	ug/L	7/12/2022	D : MTAL	Q00202040008 : Established Vegetation	BCM	05/06/2013	—
Antimony, F	N	1	ug/L	7/12/2022	ND : ATAL	Q00203060011 : Straw Wattle	BCM	11/22/2013	—
Arsenic, F	N	2	ug/L	7/12/2022	ND : ATAL	Q00203060012 : Straw Wattle	BCM	10/16/2014	—
Boron, F	N	17.2	ug/L	7/12/2022	D : ATAL	Q00203060013 : Straw Wattle	BCM	10/16/2014	—
Cadmium, F	N	0.714	ug/L	7/12/2022	D : MQL	Q00203060015 : Straw Wattle	BCM	05/21/2019	—
Chromium, F	N	3.65	ug/L	7/12/2022	D : MTAL	Q00203060016 : Straw Wattle	BCM	05/21/2019	—
Cobalt, F	N	1	ug/L	7/12/2022	ND : ATAL	—	—	—	—
Copper, F	Y	20	ug/L	7/12/2022	D : MTAL	—	—	—	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/12/2022	ND : MQL	—	—	—	—
Gross alpha, UF	Y	169	pCi/L	7/12/2022	D : ATAL	—	—	—	—
Lead, F	N	0.836	ug/L	7/12/2022	D : MTAL	—	—	—	—
Mercury, UF	Y	151	ug/L	7/12/2022	D : ATAL	—	—	—	—
Nickel, F	N	1.39	ug/L	7/12/2022	D : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	2.42	pCi/L	7/12/2022	D : ATAL	—	—	—	—
Selenium, UF	Y	16.5	ug/L	7/12/2022	D : ATAL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	0.3	ug/L	7/12/2022	ND : MQL	–	–	–	–
Thallium, F	N	0.6	ug/L	7/12/2022	ND : ATAL	–	–	–	–
Total PCB, UF	Y	0.474	ug/L	7/12/2022	D : ATAL	–	–	–	–
Vanadium, F	N	9.98	ug/L	7/12/2022	D : ATAL	–	–	–	–
Zinc, F	N	30.6	ug/L	7/12/2022	D : MTAL	–	–	–	–
Comments: The sampler was activated for baseline monitoring on 03/18/2022. A confirmation monitoring sample was collected on 07/12/2022. The monitoring stage is complete.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q002A	Site Monitoring Area No. CHQ-SMA-1.02	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q002A02040018 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	Q002A03010010 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	Q002A03010011 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	Q002A03010012 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	Q002A03010013 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	Q002A03150014 : Redi-Rock Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	Q002A06010002 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002A06010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002A06010007 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002A06010009 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002A06010015 : Rock Check Dam	CA	04/20/2021	05/20/2021
–	–	–	–	–	–	Q002A06010016 : Rock Check Dam	CA	04/20/2021	05/20/2021
–	–	–	–	–	–	Q002A06010017 : Rock Check Dam	CA	04/20/2021	05/20/2021
–	–	–	–	–	–	Q002A08030004 : Concrete/Asphalt Cap	BCM	02/09/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action planning was initiated after sample collection in 2021 and alternatives are being reviewed.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CHQ-SMA-1.02, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q002B	Site Monitoring Area No. CHQ-SMA-1.03	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q002B02040012 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	Q002B03150013 : Redi-Rock Berm	CA	05/13/2014	06/12/2014
–	–	–	–	–	–	Q002B04060006 : Riprap	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002B04060007 : Riprap	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002B04060010 : Riprap	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002B06010004 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002B06010008 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002B06010011 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q002B08030003 : Concrete/Asphalt Cap	BCM	02/09/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. A non-confirmation monitoring sample was collected on 07/12/2022. The sampler was turned off for 2010 IP permit requirement and was reactivated for continued monitoring on 07/21/2022 (inoperable 9 d). The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: Q003	Site Monitoring Area No. CHQ-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00302040023 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q00303010030 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00303020028 : Base Course Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00303020029 : Base Course Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00303020053 : Base Course Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00303020054 : Base Course Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00303040015 : Asphalt Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00303060060 : Straw Wattle	CA	04/21/2021	05/21/2021
–	–	–	–	–	–	Q00303060061 : Straw Wattle	CA	04/21/2021	05/21/2021
–	–	–	–	–	–	Q00303140062 : Coir Log	CA	08/08/2022	–
–	–	–	–	–	–	Q00306010035 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010036 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010037 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010038 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010039 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010040 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010041 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010042 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010043 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010044 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010045 : Rock Check Dam	CA	10/28/2015	11/27/2015

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00306010046 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010047 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010048 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010049 : Rock Check Dam	CA	10/08/2015	–
–	–	–	–	–	–	Q00306010050 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010051 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010052 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	Q00306010055 : Rock Check Dam	CA	10/23/2019	–
–	–	–	–	–	–	Q00306010056 : Rock Check Dam	CA	10/23/2019	–
–	–	–	–	–	–	Q00306010057 : Rock Check Dam	CA	04/21/2021	05/21/2021
–	–	–	–	–	–	Q00306010058 : Rock Check Dam	CA	04/21/2021	05/21/2021

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. The sampler attempted but was unable to collect a sample on 07/13/2022 and was reset for continued monitoring on 07/13/2022 (inoperable <1 d). A sample was collected on 07/30/2022 the sampler was reset for continued monitoring on 08/25/2022 (inoperable 26 d). The sampler was shut down for winter on 11/10/2022.

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q004	Site Monitoring Area No. CHQ-SMA-3.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00402040009 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q00403010015 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00403120014 : Rock Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00403140010 : Coir Log	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00403140011 : Coir Log	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00403140012 : Coir Log	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00403140013 : Coir Log	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00403140017 : Coir Log	ca	08/22/2022	–

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. The sampler was shut down for winter on 11/07/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CHQ-SMA-3.05, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q005	Site Monitoring Area No. CHQ-SMA-4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00502040019 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q00503010020 : Earthen Berm	BCM	11/13/2013	–
–	–	–	–	–	–	Q00503010023 : Earthen Berm	CA	10/04/2021	11/03/2021
–	–	–	–	–	–	Q00503010024 : Earthen Berm	CA	10/04/2021	11/03/2021
–	–	–	–	–	–	Q00504060025 : Riprap	CA	10/04/2021	11/03/2021
–	–	–	–	–	–	Q00506010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00506010004 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00506010005 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. The sampler was shut down for winter on 11/07/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CHQ-SMA-4, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q006	Site Monitoring Area No. CHQ-SMA-4.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00602040008 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q00603060009 : Straw Wattle	CA	10/20/2014	–
–	–	–	–	–	–	Q00603060010 : Straw Wattle	CA	10/20/2014	–
–	–	–	–	–	–	Q00606010002 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00606010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CHQ-SMA-4.1, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q007	Site Monitoring Area No. CHQ-SMA-4.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00702040010 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	Q00703010009 : Earthen Berm	BCM	07/18/2011	–
–	–	–	–	–	–	Q00703060022 : Straw Wattle	BCM	05/21/2019	–
–	–	–	–	–	–	Q00703140018 : Coir Log	CA	09/25/2014	–
–	–	–	–	–	–	Q00703140020 : Coir Log	CA	08/30/2018	–
–	–	–	–	–	–	Q00703140021 : Coir Log	CA	08/30/2018	–
–	–	–	–	–	–	Q00706010002 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00706010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

CHQ-SMA-4.5, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q008	Site Monitoring Area No. CHQ-SMA-5.05	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00802040008 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q00803020006 : Base Course Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	Q00804060002 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	Q00804060005 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	Q00804060007 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	Q00806010003 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: The sampler was activated for baseline monitoring on 03/21/2022. The sampler was shut down for winter on 11/07/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: Q009	Site Monitoring Area No. CHQ-SMA-6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Copper, F	Y	35.5	ug/L	7/12/2022	D : MTAL	Q00902040036 : Established Vegetation	BCM	05/09/2013	—
Gross alpha, UF	Y	211	pCi/L	7/12/2022	D : ATAL	Q00903010017 : Earthen Berm	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00903010041 : Earthen Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	Q00903060045 : Straw Wattle	CA	07/14/2021	—
—	—	—	—	—	—	Q00903060046 : Straw Wattle	CA	07/14/2021	—
—	—	—	—	—	—	Q00903120030 : Rock Berm	BCM	10/17/2011	—
—	—	—	—	—	—	Q00903120031 : Rock Berm	BCM	10/17/2011	—
—	—	—	—	—	—	Q00903120032 : Rock Berm	BCM	10/17/2011	—
—	—	—	—	—	—	Q00903140049 : Coir Log	CA	06/16/2022	07/16/2022
—	—	—	—	—	—	Q00903140050 : Coir Log	CA	06/16/2022	07/16/2022
—	—	—	—	—	—	Q00903150043 : Redi-Rock Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	Q00906010001 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010007 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010008 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010011 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010018 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010021 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010022 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010023 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010024 : Rock Check Dam	BCM	02/09/2011	04/29/2011
—	—	—	—	—	—	Q00906010025 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q00906010026 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00906010027 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	Q00906010037 : Rock Check Dam	BCM	05/08/2014	–
–	–	–	–	–	–	Q00906010038 : Rock Check Dam	BCM	05/08/2014	–
–	–	–	–	–	–	Q00906010039 : Rock Check Dam	BCM	05/08/2014	–
–	–	–	–	–	–	Q00906010042 : Rock Check Dam	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	Q00906010047 : Rock Check Dam	CA	06/16/2022	07/16/2022
–	–	–	–	–	–	Q00906010048 : Rock Check Dam	CA	06/16/2022	07/16/2022
Comments: The sampler was activated for corrective action monitoring on 07/7/2022. A confirmation monitoring sample was collected on 07/12/2022. The sampler was turned off for 2010 IP permit requirement and was reactivated for continued monitoring on 08/01/2022 (inoperable 20 d). The sampler was shut down for winter on 11/18/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: Q010	Site Monitoring Area No. CHQ-SMA-7.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	Q01002040012 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	Q01003010010 : Earthen Berm	BCM	07/18/2011	–
–	–	–	–	–	–	Q01003010011 : Earthen Berm	BCM	07/18/2011	–
–	–	–	–	–	–	Q01003140013 : Coir Log	CA	04/21/2021	05/21/2021
–	–	–	–	–	–	Q01003140014 : Coir Log	CA	04/21/2021	05/21/2021
–	–	–	–	–	–	Q01006010003 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/21/2022. A non-confirmation monitoring sample was collected on 07/12/2022. The sampler was turned off for 2010 IP permit requirement and was reactivated for continued monitoring on 08/01/2022 (inoperable 20 d). The sampler was shut down for winter on 11/7/2022.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: D001	Site Monitoring Area No. DP-SMA-0.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	D00104010026 : Earthen Channel/Swale	BCM	07/21/2017	–
–	–	–	–	–	–	D00106010018 : Rock Check Dam	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	D00106010019 : Rock Check Dam	CA	07/08/2013	08/07/2013
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 03/06/2017 with certification of completion of corrective action under the 2010 IP Part E.2(d).									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: D002	Site Monitoring Area No. DP-SMA-0.4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	D00202040009 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	D00203060010 : Straw Wattle	CA	08/05/2015	–
–	–	–	–	–	–	D00203060012 : Straw Wattle	CA	05/30/2019	–
–	–	–	–	–	–	D00204040003 : Culvert	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	D00204060006 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	D00204060011 : Riprap	CA	05/30/2019	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: D003	Site Monitoring Area No. DP-SMA-0.6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	D00302040015 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	D00303010013 : Earthen Berm	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	D00303010014 : Earthen Berm	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	D00303020011 : Base Course Berm	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	D00304010004 : Earthen Channel/Swale	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	D00305020010 : Sediment Basin	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	D00308020012 : Rock Cap	BCM	04/27/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Baseline monitoring was completed on 07/26/2019. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 10/27/2020.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: D004	Site Monitoring Area No. DP-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	333	ug/L	6/27/2022	D : MTAL	D00402040015 : Established Vegetation	BCM	04/17/2013	—
Antimony, F	N	1	ug/L	6/27/2022	ND : ATAL	D00403010002 : Earthen Berm	BCM	12/16/2010	04/29/2011
Arsenic, F	N	2.88	ug/L	6/27/2022	D : ATAL	D00403010011 : Earthen Berm	BCM	05/18/2011	—
Boron, F	N	75.9	ug/L	6/27/2022	D : ATAL	D00403010017 : Earthen Berm	CA	02/08/2017	—
Cadmium, F	N	0.3	ug/L	6/27/2022	ND : MQL	D00403020014 : Base Course Berm	BCM	08/04/2011	—
Chromium, F	N	3	ug/L	6/27/2022	ND : MTAL	D00403120009 : Rock Berm	BCM	12/16/2010	04/29/2011
Cobalt, F	N	1.21	ug/L	6/27/2022	D : ATAL	D00403120012 : Rock Berm	BCM	05/18/2011	—
Copper, F	Y	9.86	ug/L	6/27/2022	D : MTAL	D00404060016 : Riprap	BCM	05/01/2014	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	6/27/2022	ND : MQL	D00406030006 : Juniper Bales	BCM	12/16/2010	04/29/2011
Gross alpha, UF	N	9.16	pCi/L	6/27/2022	D : ATAL	—	—	—	—
Lead, F	N	0.5	ug/L	6/27/2022	ND : MTAL	—	—	—	—
Mercury, UF	N	0.067	ug/L	6/27/2022	ND : ATAL	—	—	—	—
Nickel, F	N	1.92	ug/L	6/27/2022	D : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	2.01	pCi/L	6/27/2022	D : ATAL	—	—	—	—
Selenium, UF	N	1.5	ug/L	6/27/2022	ND : ATAL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	0.3	ug/L	6/27/2022	ND : MQL	—	—	—	—
Thallium, F	N	0.6	ug/L	6/27/2022	ND : ATAL	—	—	—	—
Total PCB, UF	N	0.000119	ug/L	6/27/2022	D : ATAL	—	—	—	—
Vanadium, F	N	5.51	ug/L	6/27/2022	D : ATAL	—	—	—	—
Zinc, F	N	10.8	ug/L	6/27/2022	D : MTAL	—	—	—	—
Comments: The sampler was activated for baseline monitoring on 03/28/2022. A confirmation monitoring sample was collected on 06/27/2022. The monitoring stage is complete.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: D005	Site Monitoring Area No. DP-SMA-2	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	D00502040012 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	D00503010011 : Earthen Berm	BCM	05/18/2011	–
–	–	–	–	–	–	D00503020003 : Base Course Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	D00506030007 : Juniper Bales	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	D00506030009 : Juniper Bales	BCM	11/22/2010	12/01/2010

Comments: The sampler was activated for baseline monitoring on 03/28/2022. The sampler was found to be inoperable due to equipment failure on 08/25/2022 with a recorded loss of power on 07/18/2022 (inoperable 38 d). The sampler was shut down for winter on 10/25/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: D006	Site Monitoring Area No. DP-SMA-2.35	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	D00602040007 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	D00603020002 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	D00604060004 : Riprap	BCM	12/16/2010	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

DP-SMA-2.35, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: D007	Site Monitoring Area No. DP-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	D00702040023 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	D00703010016 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703010017 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703010018 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703010019 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703010020 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703010021 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703010022 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	D00703120015 : Rock Berm	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	D00706010008 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	D00706010009 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	D00706010010 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	D00706010011 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	D00706010012 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action monitoring was completed on 08/09/2019. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 10/27/2020.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: F001	Site Monitoring Area No. F-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	932	ug/L	7/27/2022	D : MTAL	F00102040018 : Established Vegetation	BCM	05/08/2013	—
Antimony, F	N	1	ug/L	7/27/2022	ND : ATAL	F00103010017 : Earthen Berm	BCM	09/18/2012	—
Arsenic, F	N	2	ug/L	7/27/2022	ND : ATAL	F00103010024 : Earthen Berm	CA	08/21/2015	—
Boron, F	N	20	ug/L	7/27/2022	D : ATAL	F00103010025 : Earthen Berm	CA	09/28/2015	10/28/2015
Cadmium, F	N	0.3	ug/L	7/27/2022	ND : MQL	F00103010026 : Earthen Berm	CA	09/28/2015	10/28/2015
Chromium, F	N	3	ug/L	7/27/2022	ND : MTAL	F00103010027 : Earthen Berm	CA	09/28/2015	10/28/2015
Cobalt, F	N	1.87	ug/L	7/27/2022	ND : ATAL	F00103010028 : Earthen Berm	CA	09/28/2015	10/28/2015
Copper, F	Y	10.7	ug/L	7/27/2022	D : MTAL	F00103010029 : Earthen Berm	CA	09/28/2015	10/28/2015
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/27/2022	ND : MQL	F00103010030 : Earthen Berm	CA	09/28/2015	10/28/2015
Gross alpha, UF	Y	284	pCi/L	7/27/2022	D : ATAL	F00103010031 : Earthen Berm	CA	09/28/2015	10/28/2015
Lead, F	N	0.919	ug/L	7/27/2022	D : MTAL	F00103010035 : Earthen Berm	CA	08/21/2015	—
Mercury, UF	N	0.409	ug/L	7/27/2022	D : ATAL	F00103010036 : Earthen Berm	CA	09/28/2015	10/28/2015
Nickel, F	N	1.17	ug/L	7/27/2022	D : MTAL	F00103010037 : Earthen Berm	CA	09/28/2015	10/28/2015
Radium-226 and Radium-228, UF	N	14.8	pCi/L	7/27/2022	D : ATAL	F00103010039 : Earthen Berm	CA	09/28/2015	10/28/2015
RDX, UF	N	1.21	ug/L	7/27/2022	D : ATAL	F00103010040 : Earthen Berm	CA	09/28/2015	10/28/2015
Selenium, UF	Y	14.2	ug/L	7/27/2022	D : ATAL	F00103010041 : Earthen Berm	CA	09/28/2015	10/28/2015
Silver, F	N	0.3	ug/L	7/27/2022	ND : MQL	F00103010042 : Earthen Berm	CA	09/28/2015	10/28/2015
Thallium, F	N	0.6	ug/L	7/27/2022	ND : ATAL	F00103010043 : Earthen Berm	CA	09/28/2015	10/28/2015
Trinitrotoluene[2,4,6-], UF	N	0.4	ug/L	7/27/2022	ND : ATAL	F00103010044 : Earthen Berm	CA	09/28/2015	10/28/2015
Vanadium, F	N	5.07	ug/L	7/27/2022	D : ATAL	F00103120021 : Rock Berm	CA	09/28/2015	10/28/2015
Zinc, F	N	3.3	ug/L	7/27/2022	ND : MTAL	F00103120023 : Rock Berm	CA	09/28/2015	10/28/2015

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	F00103140052 : Coir Log	CA	07/19/2021	–
–	–	–	–	–	–	F00104010001 : Earthen Channel/Swale	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	F00104010038 : Earthen Channel/Swale	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	F00104050033 : Water Bar	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	F00104060034 : Riprap	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	F00104060049 : Riprap	CA	10/12/2018	–
–	–	–	–	–	–	F00104060050 : Riprap	CA	10/12/2018	–
–	–	–	–	–	–	F00105060022 : Infiltration Basin	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	F00106010045 : Rock Check Dam	CA	10/12/2018	–
–	–	–	–	–	–	F00106010046 : Rock Check Dam	CA	10/12/2018	–
–	–	–	–	–	–	F00106010047 : Rock Check Dam	CA	10/12/2018	–
Comments: The sampler was activated for corrective action monitoring on 03/29/2022. A confirmation monitoring sample was collected on 07/27/2022. The monitoring stage is complete.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L001	Site Monitoring Area No. LA-SMA-0.85	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00102040009 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	L00103010008 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	L00103090006 : Curbing	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	L00106010010 : Rock Check Dam	CA	10/23/2015	–
–	–	–	–	–	–	L00107010004 : Gabion	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L002	Site Monitoring Area No. LA-SMA-0.9	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00202040020 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	L00203010023 : Earthen Berm	BCM	06/04/2014	–
–	–	–	–	–	–	L00203010024 : Earthen Berm	BCM	06/04/2014	–
–	–	–	–	–	–	L00203010027 : Earthen Berm	BCM	10/23/2014	–
–	–	–	–	–	–	L00203090002 : Curbing	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00203090003 : Curbing	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00204040004 : Culvert	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00204040026 : Culvert	BCM	10/23/2014	–

Comments: The sampler was activated for baseline monitoring on 03/15/2022. The sampler was shut down for winter on 10/31/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L003	Site Monitoring Area No. LA-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00302040025 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	L00303010019 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L00303100015 : Gravel Bags	BCM	05/15/2012	–
–	–	–	–	–	–	L00303120018 : Rock Berm	BCM	08/02/2012	–
–	–	–	–	–	–	L00303120027 : Rock Berm	CA	06/30/2015	–
–	–	–	–	–	–	L00304020005 : Concrete/Asphalt Channel/Swale	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00304030020 : Rock Channel/Swale	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L00304040004 : Culvert	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00304040021 : Culvert	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L00304060022 : Riprap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L00304060023 : Riprap	BCM	10/31/2012	–
–	–	–	–	–	–	L00304060024 : Riprap	BCM	10/31/2012	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed at Site 00-017 on 09/29/2015 with certification of completion of corrective action under the 2010 IP Part E.2(c). Alternative compliance was requested under the 2010 IP on 05/06/2015 at Site C-00-044.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L004	Site Monitoring Area No. LA-SMA-1.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00402040007 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	L00404060003 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00404060005 : Riprap	BCM	09/29/2011	–
–	–	–	–	–	–	L00406010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 11/29/2012 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L005	Site Monitoring Area No. LA-SMA-1.25	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00502040008 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	L00503010007 : Earthen Berm	CA	08/30/2012	09/29/2012
–	–	–	–	–	–	L00503020001 : Base Course Berm	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L030A	Site Monitoring Area No. LA-SMA-10.12	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	-	L030A02040032 : Established Vegetation	BCM	04/26/2013	-
-	-	-	-	-	-	L030A03010025 : Earthen Berm	BCM	08/15/2011	-
-	-	-	-	-	-	L030A03010026 : Earthen Berm	CA	11/30/2012	12/30/2012
-	-	-	-	-	-	L030A03010027 : Earthen Berm	CA	11/30/2012	12/30/2012
-	-	-	-	-	-	L030A03060028 : Straw Wattle	CA	11/30/2012	12/30/2012
-	-	-	-	-	-	L030A03060034 : Straw Wattle	CA	08/16/2016	-
-	-	-	-	-	-	L030A03060035 : Straw Wattle	CA	08/16/2016	-
-	-	-	-	-	-	L030A03060036 : Straw Wattle	CA	08/16/2016	-
-	-	-	-	-	-	L030A03060037 : Straw Wattle	CA	08/11/2021	-
-	-	-	-	-	-	L030A03060038 : Straw Wattle	CA	08/11/2021	-
-	-	-	-	-	-	L030A03120005 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120006 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120009 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120012 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120015 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120016 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120017 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120019 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120020 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120021 : Rock Berm	BCM	05/12/2011	04/29/2011
-	-	-	-	-	-	L030A03120030 : Rock Berm	CA	11/30/2012	12/30/2012



Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L030A04060007 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L030A06010001 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L030A06010002 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L030A06010003 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L030A06010008 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L030A06010011 : Rock Check Dam	BCM	05/12/2011	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 03/04/2016 with certification of completion of corrective action under the 2010 IP Part E.2(a).									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L006	Site Monitoring Area No. LA-SMA-2.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00601060009 : Erosion Control Blanket	BCM	06/05/2012	–
–	–	–	–	–	–	L00601060015 : Erosion Control Blanket	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L00602030017 : Permanent Vegetation Vegetative Buffer Strip	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L00602040011 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	L00603080002 : Retaining Wall	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L00603140014 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L00604010010 : Earthen Channel/Swale	BCM	10/19/2012	–
–	–	–	–	–	–	L00604040018 : Culvert	CA	09/15/2016	–
–	–	–	–	–	–	L00604060006 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	L00605020016 : Sediment Basin	CA	09/25/2014	10/25/2014

Comments: The sampler was activated for corrective action monitoring on 03/15/2022. The sampler was found to be inoperable due to equipment failure on 04/14/2022 with a recorded loss of power on 04/13/2022 (inoperable 1 d). The sampler attempted but was unable to collect on 10/07/2022 and was reset for continued monitoring on 10/17/2022 (inoperable 10 d). The sampler was shut down for winter on 10/31/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L007	Site Monitoring Area No. LA-SMA-2.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00702040006 : Established Vegetation	BCM	05/13/2013	–
–	–	–	–	–	–	L00703060010 : Straw Wattle	CA	09/21/2018	–
–	–	–	–	–	–	L00703080002 : Retaining Wall	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 11/29/2012 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L008	Site Monitoring Area No. LA-SMA-3.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00802040007 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	L00803140010 : Coir Log	BCM	12/18/2019	–
–	–	–	–	–	–	L00804040004 : Culvert	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP for 01-003(a) on 04/22/2019. Corrective action was completed for 01-001(e) on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: L009	Site Monitoring Area No. LA-SMA-3.9	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L00901060007 : Erosion Control Blanket	BCM	09/07/2016	–
–	–	–	–	–	–	L00902040005 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	L00904040002 : Culvert	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L00906020008 : Log Check Dam	BCM	09/07/2016	–

Comments: The sampler was activated for baseline monitoring on 03/23/2022. The sampler was shut down for winter on 11/04/2022.

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L010	Site Monitoring Area No. LA-SMA-4.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01001060011 : Erosion Control Blanket	CA	09/07/2016	–
–	–	–	–	–	–	L01002040010 : Established Vegetation	BCM	04/02/2013	–
–	–	–	–	–	–	L01003060012 : Straw Wattle	CA	09/07/2016	–
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L011	Site Monitoring Area No. LA-SMA-4.2	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01102040008 : Established Vegetation	BCM	04/02/2013	–
–	–	–	–	–	–	L01103140016 : Coir Log	BCM	09/18/2019	–
–	–	–	–	–	–	L01103140018 : Coir Log	BCM	08/22/2022	–
–	–	–	–	–	–	L01106010002 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	L01106010005 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: The sampler was activated for baseline monitoring on 03/28/2022. A sample of insufficient volume was collected on 07/27/2022 and was reset for continued monitoring on 07/28/2022 (inoperable 1 d). The sampler was shut down for winter on 11/04/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L012	Site Monitoring Area No. LA-SMA-5.01	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01201060029 : Erosion Control Blanket	BCM	06/19/2018	–
–	–	–	–	–	–	L01202040012 : Established Vegetation	BCM	04/02/2013	–
–	–	–	–	–	–	L01203010004 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L01203010007 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L01203100023 : Gravel Bags	BCM	08/04/2015	–
–	–	–	–	–	–	L01203120010 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L01203140030 : Coir Log	BCM	10/01/2018	–
–	–	–	–	–	–	L01204050008 : Water Bar	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L01204060006 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L01204060028 : Riprap	BCM	06/19/2018	–

Comments: The sampler was activated for baseline monitoring on 03/28/2022. The sampler was shut down for winter on 11/04/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L012A	Site Monitoring Area No. LA-SMA-5.02	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L012A02040012 : Established Vegetation	BCM	04/02/2013	–
–	–	–	–	–	–	L012A03090022 : Curbing	CA	11/03/2014	–
–	–	–	–	–	–	L012A03140029 : Coir Log	CA	09/18/2019	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 11/29/2012 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L013	Site Monitoring Area No. LA-SMA-5.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01302040005 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	L01303140008 : Coir Log	CA	07/14/2021	08/13/2021
–	–	–	–	–	–	L01304060011 : Riprap	CA	07/14/2021	08/13/2021
–	–	–	–	–	–	L01306020007 : Log Check Dam	BCM	05/29/2013	–
–	–	–	–	–	–	L01306020009 : Log Check Dam	CA	07/14/2021	08/13/2021
–	–	–	–	–	–	L01306020010 : Log Check Dam	CA	07/14/2021	08/13/2021

Comments: The sampler was activated for corrective action monitoring on 03/21/2022. The sampler was found to be inoperable due to equipment failure on 04/15/2022 with a recorded loss of power on 04/12/2022 (inoperable 3 d). The sampler was shut down for winter on 11/03/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L015	Site Monitoring Area No. LA-SMA-5.31	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01501030016 : Hydromulch	CA	08/10/2022	–
–	–	–	–	–	–	L01503010012 : Earthen Berm	CA	11/27/2012	–
–	–	–	–	–	–	L01503120011 : Rock Berm	CA	07/27/2012	08/26/2012
–	–	–	–	–	–	L01504060017 : Riprap	CA	08/10/2022	–

Comments: The sampler was activated for corrective action monitoring on 09/1/2022. The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L016	Site Monitoring Area No. LA-SMA-5.33	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01602040014 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	L01603010009 : Earthen Berm	CA	07/30/2012	08/29/2012

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 03/07/2013 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

LA-SMA-5.33, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L014	Site Monitoring Area No. LA-SMA-5.35	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01408030010 : Concrete/Asphalt Cap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L01408030014 : Concrete/Asphalt Cap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L01408040011 : Metal Cap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L01408040012 : Metal Cap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	L01408040013 : Metal Cap	CA	11/27/2012	12/27/2012
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

LA-SMA-5.35, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L017	Site Monitoring Area No. LA-SMA-5.361	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01702040010 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L01703020012 : Base Course Berm	BCM	06/10/2015	–
–	–	–	–	–	–	L01706010009 : Rock Check Dam	BCM	07/12/2011	–
–	–	–	–	–	–	L01708020013 : Rock Cap	BCM	06/10/2015	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 10/27/2020.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

LA-SMA-5.361, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L017A	Site Monitoring Area No. LA-SMA-5.362	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L017A02040010 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L017A03020012 : Base Course Berm	BCM	06/10/2015	–
–	–	–	–	–	–	L017A03100014 : Gravel Bags	BCM	11/29/2018	–
–	–	–	–	–	–	L017A06010006 : Rock Check Dam	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	L017A08020013 : Rock Cap	BCM	06/10/2015	–

Comments: The sampler was activated for baseline monitoring on 03/3/2022. The sampler was shut down for winter on 11/10/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

LA-SMA-5.362, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L018	Site Monitoring Area No. LA-SMA-5.51	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01802040009 : Established Vegetation	BCM	04/11/2013	–
–	–	–	–	–	–	L01803010010 : Earthen Berm	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	L01803010011 : Earthen Berm	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	L01803010012 : Earthen Berm	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	L01807010003 : Gabion	BCM	04/27/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/21/2022. The sampler attempted but was unable to collect on 07/27/2022 with no associated downtime. The sampler was shut down for winter on 11/03/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

LA-SMA-5.51, page 1 of 1



# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L018A	Site Monitoring Area No. LA-SMA-5.52	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L018A01060021 : Erosion Control Blanket	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A02040007 : Established Vegetation	BCM	04/11/2013	–
–	–	–	–	–	–	L018A03010009 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A03140012 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A03140014 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A03140018 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A03140019 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A03140022 : Coir Log	CA	–	09/15/2022
–	–	–	–	–	–	L018A04030008 : Rock Channel/Swale	CA	08/22/2014	–
–	–	–	–	–	–	L018A06010010 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L018A06010020 : Rock Check Dam	CA	10/28/2015	11/27/2015

Comments: The sampler was activated for corrective action monitoring on 03/21/2022. The sampler was shut down for winter on 11/03/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L018B	Site Monitoring Area No. LA-SMA-5.53	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L018B02040007 : Established Vegetation	BCM	04/11/2013	–
–	–	–	–	–	–	L018B03010002 : Earthen Berm	BCM	04/27/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/21/2022. The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: L018C	Site Monitoring Area No. LA-SMA-5.54	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L018C02040033 : Established Vegetation	CA	11/09/2015	–
–	–	–	–	–	–	L018C03010002 : Earthen Berm	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	L018C03010014 : Earthen Berm	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L018C03010015 : Earthen Berm	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L018C03120024 : Rock Berm	CA	09/11/2014	–
–	–	–	–	–	–	L018C03140020 : Coir Log	CA	08/07/2014	–
–	–	–	–	–	–	L018C03140021 : Coir Log	CA	08/07/2014	–
–	–	–	–	–	–	L018C03140022 : Coir Log	CA	08/07/2014	–
–	–	–	–	–	–	L018C03140026 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L018C03140029 : Coir Log	CA	09/17/2014	–
–	–	–	–	–	–	L018C03140034 : Coir Log	CA	11/28/2018	–
–	–	–	–	–	–	L018C03140035 : Coir Log	CA	08/26/2019	–
–	–	–	–	–	–	L018C04030013 : Rock Channel/Swale	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	L018C04080016 : TRM-Lined Swale	CA	08/22/2014	–
–	–	–	–	–	–	L018C06010017 : Rock Check Dam	CA	09/10/2014	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L018C06010018 : Rock Check Dam	CA	09/10/2014	–
–	–	–	–	–	–	L018C06010019 : Rock Check Dam	CA	09/10/2014	–
–	–	–	–	–	–	L018C06010023 : Rock Check Dam	CA	09/10/2014	–
–	–	–	–	–	–	L018C06010036 : Rock Check Dam	ca	08/24/2022	–
–	–	–	–	–	–	L018C06010037 : Rock Check Dam	CA	08/24/2022	–
Comments: The sampler was activated for corrective action monitoring on 03/21/2022. The sampler was found to be inoperable due to equipment failure on 09/6/2022 with a recorded system failure on 08/26/2022 (inoperable 11 d). The sampler was shut down for winter on 11/03/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L019	Site Monitoring Area No. LA-SMA-5.91	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L01902040010 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	L01905020015 : Sediment Basin	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	L01906020013 : Log Check Dam	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	L01906020014 : Log Check Dam	CA	07/08/2013	08/07/2013

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed at Site 21-023(c) on 08/21/2013 and at Site 21-009 on 03/06/2017 with certification of completion of corrective action under the 2010 IP Part E.2(d). Alternative compliance was requested under the 2010 IP at Site 21-021 on 05/06/2015. A Certificate of Completion under NMED's Consent Order was recommended in December 2015 for Site 21-027(d) and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under the 2010 IP Part E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: L019A	Site Monitoring Area No. LA-SMA-5.92	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L019A02040007 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	L019A03010020 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A03020012 : Base Course Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A03030021 : Log Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A03030022 : Log Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A03140023 : Coir Log	CA	09/22/2016	–
–	–	–	–	–	–	L019A04010019 : Earthen Channel/Swale	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A04060011 : Riprap	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A04060013 : Riprap	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A05020006 : Sediment Basin	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	L019A06010014 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A06010015 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A06010016 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A06010017 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	L019A06010018 : Rock Check Dam	CA	10/28/2015	11/27/2015

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L019A06020009 : Log Check Dam	CA	01/29/2014	–
–	–	–	–	–	–	L019A06020010 : Log Check Dam	CA	01/29/2014	–
Comments: The sampler was activated for corrective action monitoring on 03/23/2022. The sampler was found to be inoperable due to equipment failure on 07/06/2022 and was last known to be operable at the prior inspection on 06/08/2022 (inoperable up to 28 d). The sampler was shut down for winter on 10/31/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L020	Site Monitoring Area No. LA-SMA-6.25	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02002040007 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02003040002 : Asphalt Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	L02003140015 : Coir Log	BCM	08/29/2019	–
–	–	–	–	–	–	L02006010013 : Rock Check Dam	BCM	08/12/2014	–

Comments: The sampler was activated for baseline monitoring on 03/22/2022. The sampler was found to be inoperable due to equipment failure on 04/08/2022 and was last known to be operable at the prior inspection on 03/22/2022 (inoperable up to 17 d). The sampler was shut down for winter on 10/28/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L022	Site Monitoring Area No. LA-SMA-6.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02202040009 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02203040005 : Asphalt Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02206010001 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02206010010 : Rock Check Dam	BCM	08/12/2014	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L022A	Site Monitoring Area No. LA-SMA-6.31	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L022A02040008 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L022A03040002 : Asphalt Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L022A06010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/22/2022. The sampler was shut down for winter on 11/7/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L023	Site Monitoring Area No. LA-SMA-6.32	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02302040006 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02303040002 : Asphalt Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02303060008 : Straw Wattle	BCM	09/13/2022	–
–	–	–	–	–	–	L02303060009 : Straw Wattle	BCM	09/13/2022	–

Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler was shut down for winter on 10/26/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L024	Site Monitoring Area No. LA-SMA-6.34	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02402040006 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02403040003 : Asphalt Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02406010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
Comments: The sampler was activated for baseline monitoring on 03/24/2022. The sampler was shut down for winter on 10/28/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L026	Site Monitoring Area No. LA-SMA-6.38	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02602040011 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02603060013 : Straw Wattle	BCM	09/18/2019	–
–	–	–	–	–	–	L02604060006 : Riprap	BCM	12/16/2010	04/29/2011
Comments: The sampler was activated for baseline monitoring on 03/24/2022. The sampler was shut down for winter on 11/01/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L027	Site Monitoring Area No. LA-SMA-6.395	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02702040008 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02703010004 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02703010005 : Earthen Berm	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. A Certificate of Completion under NMED's Consent Order was recommended on 06/18/2015 for all associated Site(s) and a request for force majeure extension of the deadline to complete corrective action was requested on 10/30/2015 under E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L028	Site Monitoring Area No. LA-SMA-6.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02802040008 : Established Vegetation	BCM	04/17/2013	–
–	–	–	–	–	–	L02803010004 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02803010006 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	L02806010002 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/24/2022. The sampler attempted but was unable to collect on 07/25/2022 with no associated downtime. The sampler collected insufficient volume for the 2010 IP requirements on 07/27/2022 and was reset for continued monitoring on 8/11/2022 (inoperable 16 d). The sampler was shut down for winter on 11/01/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: L029	Site Monitoring Area No. LA-SMA-9	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	L02902040015 : Established Vegetation	BCM	05/14/2013	–
–	–	–	–	–	–	L02903010014 : Earthen Berm	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	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	04/27/2011	04/29/2011
–	–	–	–	–	–	L02904050010 : Water Bar	BCM	04/27/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M001	Site Monitoring Area No. M-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00102040009 : Established Vegetation	BCM	04/04/2013	–
–	–	–	–	–	–	M00107010001 : Gabion	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M00107010006 : Gabion	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M00107010008 : Gabion	CA	11/27/2012	12/27/2012

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M002	Site Monitoring Area No. M-SMA-1.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00202040009 : Established Vegetation	BCM	04/04/2013	–
–	–	–	–	–	–	M00203060012 : Straw Wattle	CA	09/18/2014	–
–	–	–	–	–	–	M00203140011 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	M00204060008 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00205020010 : Sediment Basin	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	M00206010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00206010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/22/2019.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M002A	Site Monitoring Area No. M-SMA-1.21	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M002A02040007 : Established Vegetation	BCM	04/04/2013	–
–	–	–	–	–	–	M002A03010006 : Earthen Berm	BCM	08/05/2011	–
–	–	–	–	–	–	M002A03020002 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M002A03120005 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M002A04060003 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M002A06010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Baseline monitoring was completed on 10/24/2018. A Certificate of Completion under NMED's Consent Order was recommended in December 2015 for Site 03-049(e) and a request for force majeure extension of the deadline to complete corrective action is planned under E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M002B	Site Monitoring Area No. M-SMA-1.22	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M002B02040014 : Established Vegetation	BCM	04/04/2013	–
–	–	–	–	–	–	M002B03010010 : Earthen Berm	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	M002B03010011 : Earthen Berm	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	M002B03010012 : Earthen Berm	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	M002B04050002 : Water Bar	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	M002B05030013 : Sand Filter	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	M002B06010008 : Rock Check Dam	BCM	02/09/2011	04/29/2011
–	–	–	–	–	–	M002B06010009 : Rock Check Dam	BCM	02/09/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M012	Site Monitoring Area No. M-SMA-10	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01202040012 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M01204060004 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01204060007 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01206010001 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01206010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01206010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01206010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01206010010 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/29/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M012A	Site Monitoring Area No. M-SMA-10.01	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M012A02040008 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M012A03010006 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	M012A03010007 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	M012A06010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M013	Site Monitoring Area No. M-SMA-10.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01302040014 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M01303010012 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M01303100013 : Gravel Bags	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M01306010017 : Rock Check Dam	CA	08/25/2014	–
–	–	–	–	–	–	M01306010018 : Rock Check Dam	CA	08/25/2014	–
–	–	–	–	–	–	M01306010020 : Rock Check Dam	CA	08/26/2019	–
–	–	–	–	–	–	M01306010021 : Rock Check Dam	CA	08/26/2019	–
–	–	–	–	–	–	M01308020019 : Rock Cap	CA	07/12/2017	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2013 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

M-SMA-10.3, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M014	Site Monitoring Area No. M-SMA-11.1	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01402040008 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M01403090005 : Curbing	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01403100010 : Gravel Bags	BCM	10/20/2015	–
–	–	–	–	–	–	M01404060001 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01406020006 : Log Check Dam	BCM	12/16/2010	04/29/2011
Comments: The sampler was activated for baseline monitoring on 03/25/2022. The sampler was shut down for winter on 11/03/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M015	Site Monitoring Area No. M-SMA-12	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01502040008 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M01503090010 : Curbing	BCM	12/04/2017	–
–	–	–	–	–	–	M01506020001 : Log Check Dam	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	M01506020006 : Log Check Dam	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	M01506020007 : Log Check Dam	BCM	04/27/2011	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M016	Site Monitoring Area No. M-SMA-12.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01601010011 : Seed and Wood Mulch	BCM	06/15/2011	–
–	–	–	–	–	–	M01602040012 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	M01603010009 : Earthen Berm	BCM	06/15/2011	–
–	–	–	–	–	–	M01603010010 : Earthen Berm	BCM	06/15/2011	–
–	–	–	–	–	–	M01603100013 : Gravel Bags	BCM	08/28/2017	–
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

M-SMA-12.5, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M017	Site Monitoring Area No. M-SMA-12.6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01701010013 : Seed and Wood Mulch	BCM	08/15/2012	–
–	–	–	–	–	–	M01702040014 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	M01703010010 : Earthen Berm	BCM	06/15/2011	–
–	–	–	–	–	–	M01703020005 : Base Course Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M01703020006 : Base Course Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M01703020007 : Base Course Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M01703060016 : Straw Wattle	CA	09/25/2019	–
–	–	–	–	–	–	M01706010008 : Rock Check Dam	BCM	05/12/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 05/16/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

M-SMA-12.6, page 1 of 1

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: M018	Site Monitoring Area No. M-SMA-12.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	741	ug/L	8/16/2022	D : MTAL	M01802040012 : Established Vegetation	BCM	05/01/2013	—
Antimony, F	N	1	ug/L	8/16/2022	ND : ATAL	M01803120017 : Rock Berm	BCM	12/20/2016	—
Arsenic, F	N	2	ug/L	8/16/2022	ND : ATAL	M01803140014 : Coir Log	BCM	12/20/2016	—
Benzo(a)pyrene, UF	N	0.0313	ug/L	8/16/2022	ND : MQL	M01803140015 : Coir Log	BCM	12/20/2016	—
Boron, F	N	15	ug/L	8/16/2022	ND : ATAL	M01803140016 : Coir Log	BCM	12/20/2016	—
Cadmium, F	N	0.3	ug/L	8/16/2022	ND : MQL	M01803160013 : Wood Chip Wattle	BCM	07/14/2015	—
Chromium, F	N	3	ug/L	8/16/2022	ND : MTAL	M01806020009 : Log Check Dam	BCM	12/16/2010	04/29/2011
Cobalt, F	N	3.06	ug/L	8/16/2022	ND : ATAL	—	—	—	—
Copper, F	N	2.9	ug/L	8/16/2022	ND : MTAL	—	—	—	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	8/16/2022	ND : MQL	—	—	—	—
Gross alpha, UF	Y	264	pCi/L	8/16/2022	D : ATAL	—	—	—	—
Hexachlorobenzene, UF	N	0.00665	ug/L	8/16/2022	ND : MQL	—	—	—	—
Hexachlorobenzene, UF	N	0.0116	ug/L	8/16/2022	D : MQL	—	—	—	—
Lead, F	N	0.738	ug/L	8/16/2022	D : MTAL	—	—	—	—
Mercury, UF	Y	1.04	ug/L	8/16/2022	D : ATAL	—	—	—	—
Nickel, F	N	0.906	ug/L	8/16/2022	D : MTAL	—	—	—	—
Pentachlorophenol, UF	N	3.13	ug/L	8/16/2022	ND : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	6.9	pCi/L	8/16/2022	D : ATAL	—	—	—	—
RDX, UF	N	0.084	ug/L	8/16/2022	ND : ATAL	—	—	—	—
Selenium, UF	N	4.61	ug/L	8/16/2022	D : ATAL	—	—	—	—
Silver, F	N	0.3	ug/L	8/16/2022	ND : MQL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Thallium, F	N	0.6	ug/L	8/16/2022	ND : ATAL	–	–	–	–
Trinitrotoluene[2,4,6-], UF	N	0.084	ug/L	8/16/2022	ND : ATAL	–	–	–	–
Vanadium, F	N	3	ug/L	8/16/2022	D : ATAL	–	–	–	–
Zinc, F	N	3.3	ug/L	8/16/2022	ND : MTAL	–	–	–	–

Comments: The sampler was activated for baseline monitoring on 03/21/2022. The sampler attempted but was unable to collect on 07/26/2022 and was reset for continued monitoring on 07/29/2022 (inoperable 3 d). A confirmation monitoring sample was collected on 08/16/2022 and was reset for continued monitoring on 08/17/2022 (inoperable 1 d). The sampler attempted but was unable to collect on 09/10/2022 and was reset for continued monitoring on 09/12/2022 (inoperable 2 d). The sampler was shut down for winter on 11/09/2022.

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M019	Site Monitoring Area No. M-SMA-12.8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01902040010 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	M01903060009 : Straw Wattle	BCM	08/13/2012	–
–	–	–	–	–	–	M01903120012 : Rock Berm	BCM	12/20/2016	–
–	–	–	–	–	–	M01903140013 : Coir Log	CA	09/25/2019	–
–	–	–	–	–	–	M01903160011 : Wood Chip Wattle	BCM	07/14/2015	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M020	Site Monitoring Area No. M-SMA-12.9	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M02002040012 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	M02003010008 : Earthen Berm	BCM	07/29/2011	–
–	–	–	–	–	–	M02003120019 : Rock Berm	CA	04/22/2016	–
–	–	–	–	–	–	M02003140022 : Coir Log	BCM	11/02/2017	–
–	–	–	–	–	–	M02003160014 : Wood Chip Wattle	BCM	07/14/2015	–
–	–	–	–	–	–	M02006020013 : Log Check Dam	BCM	05/01/2013	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M021	Site Monitoring Area No. M-SMA-12.92	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M02102040005 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	M02104060006 : Riprap	BCM	01/09/2017	–
–	–	–	–	–	–	M02105010001 : Sediment Trap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M02105010003 : Sediment Trap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M02105010004 : Sediment Trap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M02107010007 : Gabion	BCM	01/09/2017	–

Comments: The sampler was activated for baseline monitoring on 03/21/2022. The sampler was shut down for winter on 11/09/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M022	Site Monitoring Area No. M-SMA-13	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M02202040014 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	M02203010013 : Earthen Berm	BCM	07/28/2011	–
–	–	–	–	–	–	M02203020018 : Base Course Berm	BCM	10/22/2020	–
–	–	–	–	–	–	M02204060019 : Riprap	BCM	10/22/2020	–
–	–	–	–	–	–	M02206010008 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M02206010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M02206010010 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M02206020001 : Log Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M02206020003 : Log Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M02206020015 : Log Check Dam	BCM	08/28/2017	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/13/2021 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: M003	Site Monitoring Area No. M-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	132	ug/L	7/27/2022	D : MTAL	M00304050005 : Water Bar	BCM	05/12/2011	04/29/2011
Antimony, F	N	1	ug/L	7/27/2022	ND : ATAL	M00304060001 : Riprap	BCM	05/12/2011	04/29/2011
Arsenic, F	N	2	ug/L	7/27/2022	ND : ATAL	M00304060008 : Riprap	BCM	05/12/2011	04/29/2011
Boron, F	N	15	ug/L	7/27/2022	ND : ATAL	M00304060014 : Riprap	BCM	11/04/2014	—
Cadmium, F	N	0.3	ug/L	7/27/2022	ND : MQL	M00304060018 : Riprap	CA	10/15/2015	11/14/2015
Chromium, F	N	3	ug/L	7/27/2022	ND : MTAL	M00304080017 : TRM-Lined Swale	CA	10/15/2015	11/14/2015
Cobalt, F	N	1	ug/L	7/27/2022	ND : ATAL	M00305020015 : Sediment Basin	CA	10/15/2015	11/14/2015
Copper, F	N	3.74	ug/L	7/27/2022	D : MTAL	M00305060016 : Infiltration Basin	CA	10/15/2015	11/14/2015
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/27/2022	ND : MQL	M00306010019 : Rock Check Dam	CA	09/01/2022	—
Lead, F	N	0.5	ug/L	7/27/2022	ND : MTAL	M00306010020 : Rock Check Dam	CA	09/01/2022	—
Mercury, UF	N	0.067	ug/L	7/27/2022	ND : ATAL	M00306010021 : Rock Check Dam	CA	09/01/2022	—
Nickel, F	N	0.6	ug/L	7/27/2022	ND : MTAL	M00306010022 : Rock Check Dam	CA	09/01/2022	—
Radium-226 and Radium-228, UF	N	1.21	pCi/L	7/27/2022	ND : ATAL	—	—	—	—
Selenium, UF	N	1.5	ug/L	7/27/2022	ND : ATAL	—	—	—	—
Silver, F	N	0.3	ug/L	7/27/2022	ND : MQL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Thallium, F	N	0.6	ug/L	7/27/2022	ND : ATAL	–	–	–	–
Total PCB, UF	Y	0.0152	ug/L	7/27/2022	D : ATAL	–	–	–	–
Vanadium, F	N	1	ug/L	7/27/2022	ND : ATAL	–	–	–	–
Zinc, F	N	34.4	ug/L	7/27/2022	D : MTAL	–	–	–	–

Comments: The sampler was activated for corrective action monitoring on 03/25/2022. The sampler was found to be inoperable due to equipment failure on 07/01/2022 with a recorded loss of power on 05/04/2022 (inoperable 58 d). A confirmation monitoring sample was collected on 07/27/2022 and the sampler was reset for continued monitoring on 07/28/2022 (inoperable 1 d). Additional samples were collected on 07/30/2022 and 07/31/2022 and the sampler was reset for continued monitoring on 08/01/2022 (inoperable 1 d). The sampler was shut down for winter on 11/04/2022.

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M004	Site Monitoring Area No. M-SMA-3.1	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00402040007 : Established Vegetation	BCM	04/29/2013	–
–	–	–	–	–	–	M00403040006 : Asphalt Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00403100008 : Gravel Bags	BCM	07/05/2017	–
–	–	–	–	–	–	M00404060005 : Riprap	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/18/2022. The sampler was found to be inoperable due to equipment failure on 04/26/2022 and was last known to be operable at the prior inspection on 04/06/2022 (inoperable up to 20 d). The sampler was shut down for winter on 10/27/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M005	Site Monitoring Area No. M-SMA-3.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00502040018 : Established Vegetation	BCM	04/29/2013	–
–	–	–	–	–	–	M00503010015 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00503010016 : Earthen Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00503120009 : Rock Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00503120010 : Rock Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00503120013 : Rock Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00503120014 : Rock Berm	BCM	–	04/29/2011
–	–	–	–	–	–	M00504060011 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00504060012 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00504060017 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00504060019 : Riprap	BCM	10/30/2014	–
–	–	–	–	–	–	M00506010004 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00506010005 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00506010020 : Rock Check Dam	BCM	08/19/2022	–
–	–	–	–	–	–	M00506010021 : Rock Check Dam	BCM	08/19/2022	–

Comments: The sampler was activated for baseline monitoring on 03/18/2022. The sampler was shut down for winter on 10/27/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M006	Site Monitoring Area No. M-SMA-4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00602040014 : Established Vegetation	BCM	04/29/2013	–
–	–	–	–	–	–	M00603120015 : Rock Berm	BCM	11/04/2014	–
–	–	–	–	–	–	M00603120019 : Rock Berm	CA	08/30/2022	–
–	–	–	–	–	–	M00604060002 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M00604060012 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M00606010005 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	M00606010013 : Rock Check Dam	BCM	11/03/2011	–
–	–	–	–	–	–	M00606010016 : Rock Check Dam	BCM	11/04/2014	–
–	–	–	–	–	–	M00606010017 : Rock Check Dam	BCM	11/04/2014	–
–	–	–	–	–	–	M00606010018 : Rock Check Dam	BCM	11/04/2014	–
–	–	–	–	–	–	M00607010006 : Gabion	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 09/29/2015 for Sites(s) 48-005, 48-007(a), 48-007(d), and 48-010. The sample required under the 2010 IP Part E.1(b) was collected on 08/03/2016. Alternative compliance was requested under the 2010 IP on 05/06/2015 at Site 48-001.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M007	Site Monitoring Area No. M-SMA-5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00702040016 : Established Vegetation	BCM	05/15/2013	–
–	–	–	–	–	–	M00703060017 : Straw Wattle	BCM	07/19/2022	–
–	–	–	–	–	–	M00704020012 : Concrete/Asphalt Channel/Swale	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00704060001 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00704060008 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00706010002 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	M00706010007 : Rock Check Dam	BCM	05/12/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/21/2022. The sampler was shut down for winter on 11/08/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: M008	Site Monitoring Area No. M-SMA-6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00802040024 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M00803010049 : Earthen Berm	CA	03/18/2020	–
–	–	–	–	–	–	M00803060034 : Straw Wattle	CA	08/19/2015	–
–	–	–	–	–	–	M00803060035 : Straw Wattle	CA	08/19/2015	–
–	–	–	–	–	–	M00803060036 : Straw Wattle	CA	08/19/2015	–
–	–	–	–	–	–	M00803120031 : Rock Berm	CA	08/28/2014	–
–	–	–	–	–	–	M00804060001 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00804060014 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00804060025 : Riprap	BCM	04/30/2013	–
–	–	–	–	–	–	M00805020016 : Sediment Basin	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00806010007 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00806010017 : Rock Check Dam	BCM	04/11/2011	–
–	–	–	–	–	–	M00806010020 : Rock Check Dam	BCM	04/11/2011	–
–	–	–	–	–	–	M00806010027 : Rock Check Dam	BCM	12/17/2013	–
–	–	–	–	–	–	M00806010028 : Rock Check Dam	BCM	12/17/2013	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00806010032 : Rock Check Dam	CA	08/28/2014	–
–	–	–	–	–	–	M00806010042 : Rock Check Dam	CA	10/27/2015	–
–	–	–	–	–	–	M00806010044 : Rock Check Dam	CA	10/27/2015	–
–	–	–	–	–	–	M00807020013 : Gabion Blanket	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M00808030002 : Concrete/Asphalt Cap	BCM	12/16/2010	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M009	Site Monitoring Area No. M-SMA-7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M00902040009 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M00903140012 : Coir Log	CA	07/25/2017	–
–	–	–	–	–	–	M00906010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: M010	Site Monitoring Area No. M-SMA-7.9	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	M01002040013 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	M01003010004 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01003010010 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01003010011 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01003010012 : Earthen Berm	BCM	05/06/2011	–
–	–	–	–	–	–	M01003060014 : Straw Wattle	CA	08/22/2014	–
–	–	–	–	–	–	M01003060015 : Straw Wattle	CA	08/22/2014	–
–	–	–	–	–	–	M01003120005 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01003120006 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	M01003120016 : Rock Berm	CA	08/22/2014	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/21/2014.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P004	Site Monitoring Area No. P-SMA-0.3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00402040008 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	P00403010019 : Earthen Berm	CA	11/03/2015	–
–	–	–	–	–	–	P00403010020 : Earthen Berm	CA	11/03/2015	–
–	–	–	–	–	–	P00403140009 : Coir Log	BCM	05/08/2014	–
–	–	–	–	–	–	P00403140023 : Coir Log	CA	08/09/2018	–
–	–	–	–	–	–	P00404050017 : Water Bar	CA	11/03/2015	–
–	–	–	–	–	–	P00404060022 : Riprap	CA	11/03/2015	–
–	–	–	–	–	–	P00406010012 : Rock Check Dam	BCM	05/08/2014	–
–	–	–	–	–	–	P00406010013 : Rock Check Dam	BCM	05/08/2014	–
–	–	–	–	–	–	P00406010014 : Rock Check Dam	BCM	05/08/2014	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 09/16/2013 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: P005	Site Monitoring Area No. P-SMA-1	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00501010053 : Seed and Wood Mulch	BCM	06/17/2016	–
–	–	–	–	–	–	P00502040040 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	P00503010050 : Earthen Berm	BCM	06/17/2016	–
–	–	–	–	–	–	P00503080003 : Retaining Wall	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00503080058 : Retaining Wall	BCM	03/23/2017	–
–	–	–	–	–	–	P00503080059 : Retaining Wall	BCM	03/23/2017	–
–	–	–	–	–	–	P00503090066 : Curbing	BCM	03/23/2017	–
–	–	–	–	–	–	P00504030057 : Rock Channel/Swale	BCM	03/23/2017	–
–	–	–	–	–	–	P00504030065 : Rock Channel/Swale	BCM	03/23/2017	–
–	–	–	–	–	–	P00504060046 : Riprap	BCM	04/17/2015	–
–	–	–	–	–	–	P00504060052 : Riprap	BCM	06/17/2016	–
–	–	–	–	–	–	P00504080051 : TRM-Lined Swale	BCM	06/17/2016	–
–	–	–	–	–	–	P00506010060 : Rock Check Dam	BCM	03/23/2017	–
–	–	–	–	–	–	P00506010061 : Rock Check Dam	BCM	03/23/2017	–
–	–	–	–	–	–	P00506010062 : Rock Check Dam	BCM	03/23/2017	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
—	—	—	—	—	—	P00506010063 : Rock Check Dam	BCM	03/23/2017	—
—	—	—	—	—	—	P00508010064 : Earth Cap	BCM	03/23/2017	—
—	—	—	—	—	—	P00508030067 : Concrete/Asphalt Cap	BCM	03/23/2017	—
Comments: The sampler was activated for baseline monitoring on 03/16/2022. The sampler was found to be inoperable due to equipment failure on 04/04/2022 with a recorded loss of power on 03/26/2022 (inoperable 9 d). The sampler was found to be inoperable due to equipment failure on 06/20/2022 with a recorded loss of power on 04/23/2022 (inoperable 58 d). The sampler attempted but was unable to collect on 06/26/2022 and was reset for continued monitoring on 07/07/2022 (inoperable 11 d). The sampler attempted but was unable to collect on 07/27/2022 and was reset for continued monitoring on 07/29/2022 (inoperable 2 d). The sampler attempted but was unable to collect on 08/07/2022 and was reset for continued monitoring on 08/08/2022 (inoperable 1 d). The sampler attempted but was unable to collect on 08/12/2022 and was reset for continued monitoring on 08/15/2022 (inoperable 3 d). The sampler attempted but was unable to collect on 08/18/2022 and was reset for continued monitoring on 09/12/2022 (inoperable 25 d). The sampler attempted but was unable to collect on 09/13/2022 and was reset for continued monitoring on 09/15/2022 (inoperable 2 d). The sampler attempted but was unable to collect on 10/04/2022 and was reset for continued monitoring on 10/04/2022 (inoperable <1 d). The sampler attempted but was unable to collect on 10/04/2022 and was reset for continued monitoring on 10/19/2022 (inoperable 15 d). The sampler was shut down for winter on 11/02/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P006	Site Monitoring Area No. P-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00602040011 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	P00603120008 : Rock Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00604020006 : Concrete/Asphalt Channel/Swale	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00604020017 : Concrete/Asphalt Channel/Swale	CA	08/04/2022	–
–	–	–	–	–	–	P00604060003 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	P00606010016 : Rock Check Dam	CA	09/17/2019	09/17/2019

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 04/16/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P007	Site Monitoring Area No. P-SMA-2.15	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00702040007 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	P00704060003 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P00704060006 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P00706010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P00706010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/16/2022. The sampler attempted but was unable to collect on 08/25/2022 and was reset for continued monitoring on 08/26/2022 (inoperable 1 d). The sampler was found to be inoperable due to equipment failure on 09/21/2022 and was last known to be operable at the prior inspection on 08/26/2022 (inoperable up to 26 d). The sampler was shut down for winter on 10/25/2022.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: P008	Site Monitoring Area No. P-SMA-2.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00802040025 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	P00803010027 : Earthen Berm	BCM	05/02/2014	–
–	–	–	–	–	–	P00803010028 : Earthen Berm	BCM	05/02/2014	–
–	–	–	–	–	–	P00803010029 : Earthen Berm	BCM	05/02/2014	–
–	–	–	–	–	–	P00803010030 : Earthen Berm	BCM	05/02/2014	–
–	–	–	–	–	–	P00803010031 : Earthen Berm	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	P00803020012 : Base Course Berm	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	P00803100033 : Gravel Bags	CA	08/19/2022	–
–	–	–	–	–	–	P00803100034 : Gravel Bags	CA	08/19/2022	–
–	–	–	–	–	–	P00804020005 : Concrete/Asphalt Channel/Swale	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	P00804060001 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	P00804060032 : Riprap	CA	12/09/2020	01/08/2021
–	–	–	–	–	–	P00804080017 : TRM-Lined Swale	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	P00806010019 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	P00806010020 : Rock Check Dam	BCM	05/12/2011	04/29/2011

P-SMA-2.2, page 1 of 2

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00806010021 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	P00806010022 : Rock Check Dam	BCM	05/12/2011	04/29/2011
Comments: The sampler was activated for corrective action monitoring on 03/17/2022. The sampler attempted but was unable to collect on 04/13/2022 and was reset for continued monitoring on 04/14/2022 (inoperable 1 d). The sampler was found to be inoperable due to equipment failure on 06/23/2022 and was last known to be operable at the prior inspection on 04/14/2022 (inoperable up to 70 d). The sampler was shut down for winter on 11/02/2022.									

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<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: P009	Site Monitoring Area No. P-SMA-3.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	P00902040012 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	P00903010008 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P00903010009 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P00903010010 : Earthen Berm	BCM	05/18/2011	–
–	–	–	–	–	–	P00903010013 : Earthen Berm	CA	09/27/2016	–
–	–	–	–	–	–	P00903010015 : Earthen Berm	CA	09/27/2016	–
–	–	–	–	–	–	P00903140016 : Coir Log	CA	07/12/2021	–
–	–	–	–	–	–	P00904050005 : Water Bar	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	P00904050006 : Water Bar	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 04/16/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J001	Site Monitoring Area No. PJ-SMA-1.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00102040019 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	J00103010018 : Earthen Berm	BCM	08/27/2012	–
–	–	–	–	–	–	J00103010020 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	J00103010021 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	J00103010022 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	J00104050008 : Water Bar	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00104050012 : Water Bar	BCM	04/04/2011	–
–	–	–	–	–	–	J00104050013 : Water Bar	BCM	04/04/2011	–
–	–	–	–	–	–	J00104050014 : Water Bar	BCM	04/04/2011	–

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. The sampler was shut down for winter on 11/15/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: J012	Site Monitoring Area No. PJ-SMA-10	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01203040032 : Asphalt Berm	CA	10/08/2018	–
–	–	–	–	–	–	J01204030030 : Rock Channel/Swale	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01205020033 : Sediment Basin	CA	10/08/2018	–
–	–	–	–	–	–	J01206010011 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010012 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010013 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010014 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010015 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010017 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010021 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010022 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010023 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010024 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010025 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	J01206010026 : Rock Check Dam	CA	10/28/2015	11/27/2015

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01206010031 : Rock Check Dam	CA	10/28/2015	11/27/2015
Comments: The sampler was activated for corrective action monitoring on 03/16/2022. The sampler was shut down for winter on 11/02/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J013	Site Monitoring Area No. PJ-SMA-11	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01302040018 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	J01303010024 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01303010025 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01303010026 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01303010027 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01303120030 : Rock Berm	CA	06/16/2022	07/16/2022
–	–	–	–	–	–	J01303140029 : Coir Log	CA	12/02/2015	–
–	–	–	–	–	–	J01303140031 : Coir Log	CA	06/16/2022	07/16/2022
–	–	–	–	–	–	J01303140032 : Coir Log	CA	06/16/2022	07/16/2022
–	–	–	–	–	–	J01303200033 : Compost Log	CA	06/16/2022	07/16/2022
–	–	–	–	–	–	J01304030034 : Rock Channel/Swale	CA	06/16/2022	07/16/2022

Comments: The sampler was activated for corrective action monitoring on 07/08/2022. The sampler attempted but was unable to collect on 07/27/2022. The sampler was reset for continued monitoring on 08/01/2022 (inoperable 5 d). The sampler was found to be inoperable due to equipment failure on 09/12/2022 and was last known to be operable at the prior inspection on 08/01/2022 (inoperable up to 42 d). The sampler was shut down for the winter on 10/27/2022.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J014	Site Monitoring Area No. PJ-SMA-11.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01402040015 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	J01403010020 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01403010021 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01403010022 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01403010023 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J01406010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	J01406010008 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	J01406010009 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for corrective action monitoring on 03/16/2022. The sampler attempted but was unable to collect on 06/17/2022 and was reset for continued monitoring on 06/28/2022 (inoperable 11 d). The sampler attempted but was unable to collect on 07/27/2022 and was reset for continued monitoring on 08/01/2022 (inoperable 5 d). The sampler was shut down for winter on 10/27/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J016	Site Monitoring Area No. PJ-SMA-13.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01602040011 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J01605020008 : Sediment Basin	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	J01605020009 : Sediment Basin	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	J01606010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	J01607010002 : Gabion	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	J01608030010 : Concrete/Asphalt Cap	CA	07/08/2013	08/07/2013

Comments: The sampler was activated for corrective action monitoring on 04/01/2022. The sampler was shut down for winter on 11/09/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J018	Site Monitoring Area No. PJ-SMA-14.2	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01802040005 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J01803060007 : Straw Wattle	BCM	08/29/2022	–
–	–	–	–	–	–	J01803120004 : Rock Berm	BCM	11/22/2010	12/01/2010
Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler was shut down for winter on 10/26/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J019	Site Monitoring Area No. PJ-SMA-14.3	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J01902040003 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J01903060007 : Straw Wattle	BCM	09/16/2021	–

Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler was shut down for winter on 10/26/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J020	Site Monitoring Area No. PJ-SMA-14.4	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02002040010 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J02003010013 : Earthen Berm	BCM	01/04/2018	–
–	–	–	–	–	–	J02003140014 : Coir Log	BCM	08/29/2022	–
Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler was shut down for winter on 10/26/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J021	Site Monitoring Area No. PJ-SMA-14.6	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02102040008 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J02103010005 : Earthen Berm	BCM	11/16/2011	–
–	–	–	–	–	–	J02104060007 : Riprap	BCM	09/11/2012	–

Comments: The sampler was activated for baseline monitoring on 03/31/2022. The sampler was shut down for winter on 10/26/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PJ-SMA-14.6, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J022	Site Monitoring Area No. PJ-SMA-14.8	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02202040007 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J02203060008 : Straw Wattle	BCM	11/06/2013	–

Comments: No confirmation monitoring was conducted in 2022. Baseline monitoring was completed with receipt of all results less than target action levels on 05/01/2012.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PJ-SMA-14.8, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J023	Site Monitoring Area No. PJ-SMA-16	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02302040004 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	J02303060003 : Straw Wattle	BCM	10/03/2012	–

Comments: No confirmation monitoring was conducted in 2022. Baseline monitoring was completed with receipt of all results less than target action levels on 09/11/2013.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J024	Site Monitoring Area No. PJ-SMA-17	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02402040008 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	J02404060006 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02404060007 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02405010005 : Sediment Trap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02406010004 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 08/27/2014. The sample required under the 2010 IP Part E.1(b) was collected on 05/21/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J026	Site Monitoring Area No. PJ-SMA-18	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02602040010 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	J02604010009 : Earthen Channel/Swale	BCM	09/27/2011	–
–	–	–	–	–	–	J02604010011 : Earthen Channel/Swale	BCM	11/06/2014	–
–	–	–	–	–	–	J02604060007 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02604060012 : Riprap	BCM	11/06/2014	–
–	–	–	–	–	–	J02605010005 : Sediment Trap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02606010004 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 08/10/2018. The sample required under the 2010 IP Part E.1(b) was collected on 05/21/2015.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J025	Site Monitoring Area No. PJ-SMA-19	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02502040011 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	J02504020004 : Concrete/Asphalt Channel/Swale	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02504020006 : Concrete/Asphalt Channel/Swale	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02504060010 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02505020002 : Sediment Basin	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02506010005 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02506010008 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02506010009 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02507010001 : Gabion	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 08/27/2014. The sample required under the 2010 IP Part E.1(b) was collected on 08/22/2021.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: J002	Site Monitoring Area No. PJ-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	4840	ug/L	7/31/2022	D : MTAL	J00202040022 : Established Vegetation	BCM	05/08/2013	—
Antimony, F	N	10	ug/L	7/31/2022	ND : ATAL	J00203010006 : Earthen Berm	BCM	11/22/2010	12/01/2010
Arsenic, F	N	20	ug/L	7/31/2022	ND : ATAL	J00203010007 : Earthen Berm	BCM	11/22/2010	12/01/2010
Boron, F	N	169	ug/L	7/31/2022	D : ATAL	J00203010008 : Earthen Berm	BCM	11/22/2010	12/01/2010
Cadmium, F	N	3	ug/L	7/31/2022	ND : MQL	J00203010009 : Earthen Berm	BCM	11/22/2010	12/01/2010
Chromium, F	N	30	ug/L	7/31/2022	ND : MTAL	J00203010015 : Earthen Berm	BCM	08/01/2012	—
Cobalt, F	N	10	ug/L	7/31/2022	ND : ATAL	J00204050026 : Water Bar	BCM	10/06/2015	—
Copper, F	Y	23.1	ug/L	7/31/2022	D : MTAL	J00206010014 : Rock Check Dam	BCM	11/22/2010	12/01/2010
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/31/2022	ND : MQL	J00206010019 : Rock Check Dam	BCM	10/10/2012	—
Gross alpha, UF	N	11.3	pCi/L	7/31/2022	D : ATAL	J00206010020 : Rock Check Dam	BCM	10/10/2012	—
Lead, F	N	5	ug/L	7/31/2022	ND : MTAL	J00206010021 : Rock Check Dam	BCM	10/10/2012	—
Mercury, UF	N	0.067	ug/L	7/31/2022	ND : ATAL	J00206010024 : Rock Check Dam	BCM	07/14/2015	—
Nickel, F	N	11.4	ug/L	7/31/2022	D : MTAL	J00206010025 : Rock Check Dam	BCM	07/14/2015	—
Radium-226 and Radium-228, UF	N	1.12	pCi/L	7/31/2022	D : ATAL	J00206010027 : Rock Check Dam	BCM	10/06/2015	—
Selenium, UF	N	1.5	ug/L	7/31/2022	ND : ATAL	J00206010028 : Rock Check Dam	BCM	10/06/2015	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	3	ug/L	7/31/2022	ND : MQL	J00208030029 : Concrete/Asphalt Cap	BCM	10/06/2015	—
Thallium, F	N	6	ug/L	7/31/2022	ND : ATAL	—	—	—	—
Vanadium, F	N	22.6	ug/L	7/31/2022	D : ATAL	—	—	—	—
Zinc, F	Y	95.6	ug/L	7/31/2022	D : MTAL	—	—	—	—
Comments: The sampler was activated for baseline monitoring on 03/22/2022. A confirmation monitoring sample was collected on 7/31/2022 and the sampler was reset for continued monitoring on 08/02/2022 (inoperable 2 d). The sampler was shut down for winter on 10/28/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J027	Site Monitoring Area No. PJ-SMA-20	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02702040007 : Established Vegetation	BCM	05/16/2013	–
–	–	–	–	–	–	J02703090001 : Curbing	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	J02704060006 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	J02708030005 : Concrete/Asphalt Cap	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 10/25/2013. The sample required under the 2010 IP Part E.1(b) was collected on 05/22/2014.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J003	Site Monitoring Area No. PJ-SMA-3.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Copper, F	N	2.74	ug/L	8/6/2022	D : MTAL	J00302040012 : Established Vegetation	BCM	05/08/2013	—
Copper, F	Y	10.2	ug/L	7/20/2022	D : MTAL	J00303010010 : Earthen Berm	CA	07/18/2012	08/17/2012
Gross alpha, UF	N	14.3	pCi/L	8/6/2022	D : ATAL	J00303010011 : Earthen Berm	CA	07/18/2012	08/17/2012
Gross alpha, UF	Y	16.8	pCi/L	7/20/2022	D : ATAL	J00303140013 : Coir Log	CA	06/16/2022	07/16/2022

Comments: The sampler was activated for corrective action monitoring on 07/12/2022. A confirmation sample was collected on 07/20/2022 and the sampler was reset for continued monitoring on 8/02/2022 (inoperable 13 d). A confirmation sample was collected on 08/06/2022. The monitoring stage is complete.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J004	Site Monitoring Area No. PJ-SMA-4.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00402040008 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	J00403010007 : Earthen Berm	BCM	10/31/2011	–
–	–	–	–	–	–	J00406010006 : Rock Check Dam	BCM	11/22/2010	12/01/2010
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: J005	Site Monitoring Area No. PJ-SMA-5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Copper, F	Y	141	ug/L	7/26/2022	D : MTAL	J00502040015 : Established Vegetation	BCM	04/23/2013	—
—	—	—	—	—	—	J00503010025 : Earthen Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00503030019 : Log Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00503120026 : Rock Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00503120027 : Rock Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00503120028 : Rock Berm	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00503200033 : Compost Log	CA	12/09/2020	01/08/2021
—	—	—	—	—	—	J00503200034 : Compost Log	CA	12/09/2020	01/08/2021
—	—	—	—	—	—	J00503200035 : Compost Log	CA	12/09/2020	01/08/2021
—	—	—	—	—	—	J00503200036 : Compost Log	CA	12/09/2020	01/08/2021
—	—	—	—	—	—	J00504010003 : Earthen Channel/Swale	BCM	11/22/2010	12/01/2010
—	—	—	—	—	—	J00504010032 : Earthen Channel/Swale	CA	08/24/2018	—
—	—	—	—	—	—	J00504040016 : Culvert	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00504060017 : Riprap	CA	08/10/2015	09/09/2015
—	—	—	—	—	—	J00504060020 : Riprap	CA	08/10/2015	09/09/2015

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00506010018 : Rock Check Dam	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J00506010021 : Rock Check Dam	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J00506010022 : Rock Check Dam	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J00506010023 : Rock Check Dam	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J00506010024 : Rock Check Dam	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	J00506030004 : Juniper Bales	BCM	11/22/2010	12/01/2010
Comments: The sampler was activated for corrective action monitoring on 03/22/2022. The sampler attempted but was unable to collect on 06/22/2022 with no associated downtime. A confirmation monitoring sample was collected on 07/26/2022 and the sampler was reactivate for continued monitoring on 08/04/2022 (inoperable 9 d). The sampler was shut down for winter on 10/27/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J006	Site Monitoring Area No. PJ-SMA-5.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00602040010 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	J00603010011 : Earthen Berm	CA	11/05/2013	–
–	–	–	–	–	–	J00608030012 : Concrete/Asphalt Cap	CA	11/05/2013	–

Comments: The sampler was activated for corrective action monitoring on 03/18/2022. The sampler attempted but was unable to collect a sample on 04/01/2022 and was reset for continued monitoring on 04/15/2022 (inoperable 14 d). The sampler attempted but was unable to collect a sample on 06/14/2022 and was reset for continued monitoring on 06/27/2022 (inoperable 13 d). The sampler attempted but was unable to collect on 06/27/2022 with no associated inoperability and again on 06/30/2022. The sampler was reset for continued monitoring on 07/05/2022 (inoperable 5 d). The sampler attempted but was unable to collect a sample on 07/30/2022 and was reset for continued monitoring on 08/01/2022 (inoperable 2 d). The sampler was shut down for winter on 10/27/2022.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PJ-SMA-5.1, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J007	Site Monitoring Area No. PJ-SMA-6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00702040018 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	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	11/02/2011	–
–	–	–	–	–	–	J00706010002 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00706010004 : Rock Check Dam	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PJ-SMA-6, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J008	Site Monitoring Area No. PJ-SMA-7	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00802040006 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	J00803010004 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00804010002 : Earthen Channel/Swale	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00804040003 : Culvert	BCM	11/22/2010	12/01/2010

Comments: The sampler was activated for baseline monitoring on 03/23/2022. The sampler was shut down for winter on 11/02/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J009	Site Monitoring Area No. PJ-SMA-8	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J00902040010 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	J00903010006 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00903010009 : Earthen Berm	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00904020005 : Concrete/Asphalt Channel/Swale	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00906010002 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00906010004 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J00906010011 : Rock Check Dam	BCM	11/07/2013	–

Comments: The sampler was activated for baseline monitoring on 03/16/2022. The sampler was shut down for winter on 11/02/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: J010	Site Monitoring Area No. PJ-SMA-9	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	124	ug/L	7/27/2022	D : MTAL	J01002040010 : Established Vegetation	BCM	05/07/2013	—
Antimony, F	N	1	ug/L	7/27/2022	ND : ATAL	J01003010016 : Earthen Berm	CA	10/28/2015	11/27/2015
Arsenic, F	N	2	ug/L	7/27/2022	ND : ATAL	J01003010017 : Earthen Berm	CA	10/28/2015	11/27/2015
Benzo(a)pyrene, UF	N	0.0324	ug/L	7/27/2022	ND : MQL	J01003010018 : Earthen Berm	CA	10/28/2015	11/27/2015
Benzo(a)pyrene, UF	N	0.0326	ug/L	7/27/2022	ND : MQL	J01003010019 : Earthen Berm	CA	10/28/2015	11/27/2015
Boron, F	N	15	ug/L	7/27/2022	ND : ATAL	J01003140021 : Coir Log	CA	10/28/2015	11/27/2015
Cadmium, F	N	0.3	ug/L	7/27/2022	ND : MQL	J01006010008 : Rock Check Dam	BCM	11/22/2010	12/01/2010
Chromium, F	N	3	ug/L	7/27/2022	ND : MTAL	J01006010009 : Rock Check Dam	BCM	11/22/2010	12/01/2010
Cobalt, F	N	2.53	ug/L	7/27/2022	ND : ATAL	—	—	—	—
Copper, F	Y	11	ug/L	7/27/2022	D : MTAL	—	—	—	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/27/2022	ND : MQL	—	—	—	—
Gross alpha, UF	Y	47	pCi/L	7/27/2022	D : ATAL	—	—	—	—
Lead, F	N	0.5	ug/L	7/27/2022	ND : MTAL	—	—	—	—
Mercury, UF	N	0.081	ug/L	7/27/2022	D : ATAL	—	—	—	—
Nickel, F	N	0.6	ug/L	7/27/2022	ND : MTAL	—	—	—	—
Pentachlorophenol, UF	N	3.26	ug/L	7/27/2022	ND : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	1.75	pCi/L	7/27/2022	ND : ATAL	—	—	—	—
RDX, UF	N	0.4	ug/L	7/27/2022	ND : ATAL	—	—	—	—
Selenium, UF	N	3.85	ug/L	7/27/2022	D : ATAL	—	—	—	—
Silver, F	N	0.3	ug/L	7/27/2022	ND : MQL	—	—	—	—
Thallium, F	N	0.6	ug/L	7/27/2022	ND : ATAL	—	—	—	—

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Trinitrotoluene[2,4,6-], UF	N	0.4	ug/L	7/27/2022	ND : ATAL	—	—	—	—
Vanadium, F	N	1	ug/L	7/27/2022	ND : ATAL	—	—	—	—
Zinc, F	N	7.81	ug/L	7/27/2022	D : MTAL	—	—	—	—
Comments: The sampler was activated for corrective action monitoring on 03/16/2022. A sample was collected on 07/27/2022 with no associated downtime. The sampler was shut down for winter on 10/27/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T001	Site Monitoring Area No. Pratt-SMA-1.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00102040020 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	T00103010022 : Earthen Berm	CA	05/13/2014	06/12/2014
–	–	–	–	–	–	T00103010023 : Earthen Berm	CA	05/13/2014	06/12/2014
–	–	–	–	–	–	T00103020013 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00103020014 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00103020015 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00103020016 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00103020024 : Base Course Berm	CA	05/13/2014	06/12/2014
–	–	–	–	–	–	T00103120008 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00108020005 : Rock Cap	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

Pratt-SMA-1.05, page 1 of 1



# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: I001	Site Monitoring Area No. PT-SMA-0.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00102040009 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	I00103010007 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	I00103010008 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	I00103140014 : Coir Log	CA	10/08/2021	–
–	–	–	–	–	–	I00103140015 : Coir Log	CA	10/08/2021	–
–	–	–	–	–	–	I00104030012 : Rock Channel/Swale	CA	03/27/2014	–

Comments: The sampler was activated for corrective action monitoring on 04/01/2022. The sampler was shut down for winter on 11/01/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PT-SMA-0.5, page 1 of 1

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: I002	Site Monitoring Area No. PT-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
-	-	-	-	-	-	I00201010022 : Seed and Wood Mulch	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00202040034 : Established Vegetation	BCM	05/08/2013	-
-	-	-	-	-	-	I00203010018 : Earthen Berm	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00203010019 : Earthen Berm	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00203010020 : Earthen Berm	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00203010021 : Earthen Berm	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00203010023 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010024 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010025 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010026 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010027 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010028 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010029 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010030 : Earthen Berm	CA	08/03/2012	09/02/2012
-	-	-	-	-	-	I00203010039 : Earthen Berm	CA	10/15/2015	11/14/2015
-	-	-	-	-	-	I00203060035 : Straw Wattle	CA	09/15/2015	-
-	-	-	-	-	-	I00203060036 : Straw Wattle	CA	08/03/2015	-
-	-	-	-	-	-	I00203060037 : Straw Wattle	CA	08/03/2015	-
-	-	-	-	-	-	I00203120012 : Rock Berm	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00203120013 : Rock Berm	BCM	04/27/2011	04/29/2011
-	-	-	-	-	-	I00203120038 : Rock Berm	CA	10/15/2015	11/14/2015

PT-SMA-1, page 1 of 2

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00203140040 : Coir Log	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	I00203140041 : Coir Log	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	I00206010031 : Rock Check Dam	CA	08/03/2012	09/02/2012
–	–	–	–	–	–	I00206010032 : Rock Check Dam	CA	08/03/2012	09/02/2012
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/22/2019.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PT-SMA-1, page 2 of 2

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: I003	Site Monitoring Area No. PT-SMA-1.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00302040017 : Established Vegetation	BCM	04/03/2013	–
–	–	–	–	–	–	I00303010018 : Earthen Berm	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00305040019 : Gravel Infiltration Strip	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010020 : Rock Check Dam	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010021 : Rock Check Dam	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010022 : Rock Check Dam	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010023 : Rock Check Dam	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010024 : Rock Check Dam	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010025 : Rock Check Dam	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	I00306010026 : Rock Check Dam	CA	08/11/2014	–

Comments: The sampler was activated for corrective action monitoring on 03/28/2022. The sampler was shut down for winter on 11/01/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PT-SMA-1.7, page 1 of 1

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: I004	Site Monitoring Area No. PT-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Copper, F	Y	5.69	ug/L	8/11/2022	D : MTAL	I00402040011 : Established Vegetation	BCM	05/08/2013	—
Gross alpha, UF	Y	197	pCi/L	8/11/2022	D : ATAL	I00403010021 : Earthen Berm	CA	09/28/2015	10/28/2015
—	—	—	—	—	—	I00403010022 : Earthen Berm	CA	09/28/2015	10/28/2015
—	—	—	—	—	—	I00403010024 : Earthen Berm	CA	09/28/2015	10/28/2015
—	—	—	—	—	—	I00403060012 : Straw Wattle	CA	09/28/2015	10/28/2015
—	—	—	—	—	—	I00403060031 : Straw Wattle	CA	12/21/2021	—
—	—	—	—	—	—	I00403120010 : Rock Berm	BCM	04/27/2011	04/29/2011
—	—	—	—	—	—	I00403120023 : Rock Berm	CA	09/28/2015	10/28/2015
—	—	—	—	—	—	I00403140026 : Coir Log	CA	07/14/2021	08/13/2021
—	—	—	—	—	—	I00403140027 : Coir Log	CA	07/14/2021	08/13/2021
—	—	—	—	—	—	I00403140028 : Coir Log	CA	07/14/2021	08/13/2021
—	—	—	—	—	—	I00403140029 : Coir Log	CA	07/14/2021	08/13/2021
—	—	—	—	—	—	I00403200030 : Compost Log	CA	07/14/2021	08/13/2021
—	—	—	—	—	—	I00404060020 : Riprap	CA	09/28/2015	10/28/2015
—	—	—	—	—	—	I00406010014 : Rock Check Dam	CA	09/28/2015	10/28/2015

PT-SMA-2, page 1 of 2

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00406010015 : Rock Check Dam	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	I00406010016 : Rock Check Dam	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	I00406010017 : Rock Check Dam	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	I00406010018 : Rock Check Dam	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	I00406010019 : Rock Check Dam	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	I00406010025 : Rock Check Dam	CA	09/28/2015	10/28/2015
Comments: The sampler was activated for corrective action monitoring on 03/29/2022. A sample was collected on 08/11/2022 and the sampler was reset for continued monitoring on 08/15/2022 (inoperable 4 d). The sampler was shut down for winter on 11/07/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PT-SMA-2, page 2 of 2

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: I004A	Site Monitoring Area No. PT-SMA-2.01	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I004A02040005 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	I004A03010004 : Earthen Berm	CA	08/03/2012	09/02/2012

Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler was shut down for winter on 11/07/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PT-SMA-2.01, page 1 of 1

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: I005	Site Monitoring Area No. PT-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	1690	ug/L	7/4/2022	D : MTAL	I00502040009 : Established Vegetation	BCM	05/08/2013	—
Antimony, F	N	1	ug/L	7/4/2022	ND : ATAL	I00503010030 : Earthen Berm	CA	08/10/2015	09/09/2015
Arsenic, F	N	2	ug/L	7/4/2022	ND : ATAL	I00503140039 : Coir Log	CA	09/04/2015	—
Boron, F	N	33.3	ug/L	7/4/2022	D : ATAL	I00504040005 : Culvert	BCM	11/22/2010	12/01/2010
Cadmium, F	N	0.3	ug/L	7/4/2022	ND : MQL	I00504040044 : Culvert	CA	07/10/2019	—
Chromium, F	N	3	ug/L	7/4/2022	ND : MTAL	I00504060038 : Riprap	CA	08/10/2015	09/09/2015
Cobalt, F	N	2.33	ug/L	7/4/2022	D : ATAL	I00504060042 : Riprap	CA	07/10/2019	—
Copper, F	Y	36.3	ug/L	7/4/2022	D : MTAL	I00505020037 : Sediment Basin	CA	08/10/2015	09/09/2015
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/4/2022	ND : MQL	I00505020041 : Sediment Basin	CA	07/10/2019	—
Gross alpha, UF	Y	15.1	pCi/L	7/4/2022	D : ATAL	I00506010031 : Rock Check Dam	CA	08/10/2015	09/09/2015
Lead, F	N	0.82	ug/L	7/4/2022	D : MTAL	I00506010032 : Rock Check Dam	CA	08/10/2015	09/09/2015
Mercury, UF	N	0.241	ug/L	7/4/2022	D : ATAL	I00506010033 : Rock Check Dam	CA	08/10/2015	09/09/2015
Nickel, F	N	2.58	ug/L	7/4/2022	D : MTAL	I00506010034 : Rock Check Dam	CA	08/10/2015	09/09/2015
Radium-226 and Radium-228, UF	N	1.59	pCi/L	7/4/2022	D : ATAL	I00506010035 : Rock Check Dam	CA	08/10/2015	09/09/2015
RDX, UF	N	0.0909	ug/L	7/4/2022	ND : ATAL	I00506010036 : Rock Check Dam	CA	08/10/2015	09/09/2015

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	1.5	ug/L	7/4/2022	ND : ATAL	I00506010040 : Rock Check Dam	CA	07/10/2019	—
Silver, F	N	0.3	ug/L	7/4/2022	ND : MQL	—	—	—	—
Thallium, F	N	0.6	ug/L	7/4/2022	ND : ATAL	—	—	—	—
Trinitrotoluene[2,4,6-], UF	N	0.0909	ug/L	7/4/2022	ND : ATAL	—	—	—	—
Vanadium, F	N	3.16	ug/L	7/4/2022	D : ATAL	—	—	—	—
Zinc, F	N	7.8	ug/L	7/4/2022	D : MTAL	—	—	—	—
Comments: The sampler was activated for corrective action monitoring on 03/29/2022. A confirmation monitoring sample was collected on 07/04/2022 and was reset for continued monitoring on 07/06/2022 (inoperable 2 d). The monitoring stage is complete and the sampler was deactivated on 8/15/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

PT-SMA-3, page 2 of 2

**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: I007	Site Monitoring Area No. PT-SMA-4.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00702040008 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	I00703010014 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010022 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010024 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010025 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010026 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010027 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010028 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010029 : Earthen Berm	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703010035 : Earthen Berm	CA	09/23/2016	–
–	–	–	–	–	–	I00703010044 : Earthen Berm	CA	09/23/2016	–
–	–	–	–	–	–	I00703140015 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703140016 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703140017 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703140018 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703140019 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00703140020 : Coir Log	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00704040005 : Culvert	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	I00704050023 : Water Bar	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00704060034 : Riprap	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00704060036 : Riprap	CA	09/23/2016	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00704060040 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060041 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060043 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060045 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060046 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060048 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060055 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704060057 : Riprap	CA	09/23/2016	–
–	–	–	–	–	–	I00704080049 : TRM-Lined Swale	CA	09/23/2016	–
–	–	–	–	–	–	I00704080050 : TRM-Lined Swale	CA	09/23/2016	–
–	–	–	–	–	–	I00704080051 : TRM-Lined Swale	CA	09/23/2016	–
–	–	–	–	–	–	I00706010010 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010011 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010012 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010013 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010031 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010032 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010033 : Rock Check Dam	CA	10/28/2015	11/27/2015
–	–	–	–	–	–	I00706010039 : Rock Check Dam	CA	09/23/2016	–
–	–	–	–	–	–	I00706010042 : Rock Check Dam	CA	09/23/2016	–
–	–	–	–	–	–	I00706010047 : Rock Check Dam	CA	09/23/2016	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	I00707010052 : Gabion	CA	09/23/2016	–
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/19/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: R002	Site Monitoring Area No. R-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	R00202040008 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	R00204060006 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	R00204060007 : Riprap	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	R00204060009 : Riprap	BCM	10/30/2014	–
–	–	–	–	–	–	R00204060010 : Riprap	BCM	10/30/2014	–
–	–	–	–	–	–	R00204060013 : Riprap	CA	05/03/2016	–
–	–	–	–	–	–	R00204060014 : Riprap	CA	05/03/2016	–
–	–	–	–	–	–	R00204060016 : Riprap	CA	05/03/2016	–
–	–	–	–	–	–	R00204060018 : Riprap	CA	05/03/2016	–
–	–	–	–	–	–	R00204080012 : TRM-Lined Swale	CA	05/03/2016	–
–	–	–	–	–	–	R00206010005 : Rock Check Dam	BCM	05/12/2011	04/29/2011
–	–	–	–	–	–	R00206010015 : Rock Check Dam	CA	05/03/2016	–
–	–	–	–	–	–	R00206010017 : Rock Check Dam	CA	05/03/2016	–
–	–	–	–	–	–	R00207010002 : Gabion	BCM	05/12/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 03/06/2017 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: R003	Site Monitoring Area No. R-SMA-1.95	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	R00302040008 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	R00303010021 : Earthen Berm	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303060005 : Straw Wattle	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	R00303060024 : Straw Wattle	CA	09/30/2019	–
–	–	–	–	–	–	R00303140011 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303140012 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303140013 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303140014 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303140015 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303140020 : Coir Log	CA	09/25/2014	10/25/2014
–	–	–	–	–	–	R00303140025 : Coir Log	CA	10/20/2020	10/25/2014
–	–	–	–	–	–	R00303140026 : Coir Log	CA	09/01/2022	–
–	–	–	–	–	–	R00303140027 : Coir Log	CA	09/01/2022	–
–	–	–	–	–	–	R00303140028 : Coir Log	CA	09/01/2022	–
–	–	–	–	–	–	R00303140029 : Coir Log	CA	09/01/2022	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	R00303140030 : Coir Log	CA	09/09/2022	–
–	–	–	–	–	–	R00304010003 : Earthen Channel/Swale	BCM	12/16/2010	04/29/2011
Comments: The sampler was activated for corrective action monitoring on 03/30/2022. The sampler was shut down for winter on 10/26/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: R004	Site Monitoring Area No. R-SMA-2.3	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	R00502040004 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	R00506010008 : Rock Check Dam	–	09/03/2019	–
–	–	–	–	–	–	R00506010009 : Rock Check Dam	BCM	09/03/2019	–

Comments: The sampler was activated for baseline monitoring on 03/30/2022. The sampler was found to be inoperable due to equipment failure on 08/17/2022 with a recorded loss of power on 07/21/2022 (inoperable 27 d). The sampler was shut down for winter on 11/08/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: R006	Site Monitoring Area No. R-SMA-2.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	R00602040007 : Established Vegetation	BCM	05/06/2013	–
–	–	–	–	–	–	R00604060004 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	R00606010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	R00606010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	R00606010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S001	Site Monitoring Area No. S-SMA-0.25	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00102040011 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	S00103090017 : Curbing	CA	10/20/2015	–
–	–	–	–	–	–	S00103100022 : Gravel Bags	CA	06/30/2021	–
–	–	–	–	–	–	S00103100024 : Gravel Bags	CA	08/05/2022	–
–	–	–	–	–	–	S00104030014 : Rock Channel/Swale	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	S00104060007 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00105010013 : Sediment Trap	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	S00105050012 : Bioretention Basin	CA	06/27/2014	07/27/2014
–	–	–	–	–	–	S00107010008 : Gabion	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00107020003 : Gabion Blanket	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 09/29/2015. The sample required under the 2010 IP Part E.1(b) was collected on 06/04/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S002	Site Monitoring Area No. S-SMA-1.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00203010018 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00203090017 : Curbing	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00204040016 : Culvert	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00204060014 : Riprap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00204060015 : Riprap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00204060019 : Riprap	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00205020013 : Sediment Basin	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00207010003 : Gabion	BCM	05/13/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. A Certificate of Completion under NMED's Consent Order was recommended 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 under E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

S-SMA-1.1, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S003	Site Monitoring Area No. S-SMA-2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00301010015 : Seed and Wood Mulch	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	S00302040022 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	S00303140026 : Coir Log	CA	09/18/2014	–
–	–	–	–	–	–	S00304040024 : Culvert	CA	09/18/2014	–
–	–	–	–	–	–	S00304060005 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00304060009 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00304060011 : Riprap	BCM	05/29/2012	–
–	–	–	–	–	–	S00304060012 : Riprap	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	S00304060021 : Riprap	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	S00304060025 : Riprap	CA	09/18/2014	–
–	–	–	–	–	–	S00304080023 : TRM-Lined Swale	CA	09/18/2014	–
–	–	–	–	–	–	S00305040014 : Gravel Infiltration Strip	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	S00306010018 : Rock Check Dam	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	S00306010019 : Rock Check Dam	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	S00306010020 : Rock Check Dam	CA	07/08/2013	08/07/2013

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance requests were approved for Site(s) 03-045(b) and 03-045(c) on 03/27/2014, and petitions to delete these two Sites were submitted on 10/21/2015. Corrective action was completed for Site 03-056(c) on 11/29/2012 with certification of completion of corrective action under the 2010 IP Part E.2(d). A Certificate of Completion under NMED's Consent Order was recommended 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 under the 2010 IP Part E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S003A	Site Monitoring Area No. S-SMA-2.01	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S003A01010021 : Seed and Wood Mulch	CA	09/28/2016	–
–	–	–	–	–	–	S003A03010017 : Earthen Berm	CA	09/28/2016	–
–	–	–	–	–	–	S003A03010020 : Earthen Berm	CA	09/28/2016	–
–	–	–	–	–	–	S003A04040013 : Culvert	CA	09/28/2016	–
–	–	–	–	–	–	S003A04040015 : Culvert	CA	09/28/2016	–
–	–	–	–	–	–	S003A04060003 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S003A04060010 : Riprap	CA	09/28/2016	–
–	–	–	–	–	–	S003A04060016 : Riprap	CA	09/28/2016	–
–	–	–	–	–	–	S003A05020011 : Sediment Basin	CA	09/28/2016	–
–	–	–	–	–	–	S003A05020012 : Sediment Basin	CA	09/28/2016	–
–	–	–	–	–	–	S003A05020014 : Sediment Basin	CA	09/28/2016	–
–	–	–	–	–	–	S003A05060019 : Infiltration Basin	CA	09/28/2016	–

Comments: No confirmation monitoring was conducted in 2022. A Certificate of Completion under NMED's Consent Order was recommended in December 2015 and 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 under the 2010 IP Part E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S004	Site Monitoring Area No. S-SMA-2.8	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00402040008 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S00403010005 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00403020004 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00403020010 : Base Course Berm	BCM	06/01/2017	–
–	–	–	–	–	–	S00403060011 : Straw Wattle	BCM	10/22/2019	–
–	–	–	–	–	–	S00408040007 : Metal Cap	BCM	12/12/2012	–

Comments: The sampler was activated for baseline monitoring on 03/15/2022. The sampler was shut down for winter on 11/09/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

S-SMA-2.8, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S005	Site Monitoring Area No. S-SMA-3.51	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00501010018 : Seed and Wood Mulch	CA	05/23/2017	–
–	–	–	–	–	–	S00502040013 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S00503010016 : Earthen Berm	CA	05/23/2017	–
–	–	–	–	–	–	S00503010017 : Earthen Berm	CA	05/23/2017	–
–	–	–	–	–	–	S00503120019 : Rock Berm	BCM	09/20/2017	–
–	–	–	–	–	–	S00504040020 : Culvert	BCM	09/20/2017	–
–	–	–	–	–	–	S00506010007 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00506010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00506010010 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00506010012 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00506010015 : Rock Check Dam	BCM	11/05/2014	–

Comments: The sampler was activated for baseline monitoring on 03/15/2022. The sampler was found to be inoperable due to equipment failure on 09/23/2022 and was last known to be operable at the prior inspection on 08/11/2022 (inoperable up to 43 d). The sampler was found to be inoperable due to equipment failure on 10/12/2022 and was last known to be operable at the prior inspection on 09/23/2022 (inoperable up to 19 d). The sampler was found to be inoperable due to equipment failure on 11/16/2022 during winter shutdown and was last known to be operable at the prior inspection on 10/18/2022 (inoperable up to 30 d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S005A	Site Monitoring Area No. S-SMA-3.52	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S005A02040005 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S005A03010009 : Earthen Berm	BCM	06/01/2017	–
–	–	–	–	–	–	S005A04080010 : TRM-Lined Swale	BCM	06/01/2017	–
Comments: The sampler was activated for baseline monitoring on 03/15/2022. The sampler was shut down for winter on 11/10/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S005B	Site Monitoring Area No. S-SMA-3.53	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S005B02040009 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S005B03120005 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S005B04040007 : Culvert	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	S005B04060006 : Riprap	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	S005B06010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S005B06010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S005B08030008 : Concrete/Asphalt Cap	CA	05/02/2013	06/01/2013

Comments: No confirmation monitoring was conducted in 2022. A Certificate of Completion under NMED's Consent Order was recommended on 08/27/2013 for Site 03-014(b) and a request for force majeure extension of the deadline to complete corrective action was requested on 09/23/2013 under E.4(c).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: S006	Site Monitoring Area No. S-SMA-3.6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00602040021 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S00603010019 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00603010020 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00603060041 : Straw Wattle	CA	10/03/2016	–
–	–	–	–	–	–	S00603100030 : Gravel Bags	CA	09/24/2013	–
–	–	–	–	–	–	S00603110034 : Eco-Block	CA	10/03/2016	–
–	–	–	–	–	–	S00603140044 : Coir Log	CA	11/28/2018	–
–	–	–	–	–	–	S00603140045 : Coir Log	CA	08/19/2019	–
–	–	–	–	–	–	S00604040035 : Culvert	CA	10/03/2016	–
–	–	–	–	–	–	S00604040036 : Culvert	CA	10/03/2016	–
–	–	–	–	–	–	S00604040043 : Culvert	CA	08/30/2017	–
–	–	–	–	–	–	S00604060010 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00604060011 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00604060028 : Riprap	CA	04/26/2013	–
–	–	–	–	–	–	S00604060029 : Riprap	CA	04/26/2013	–
–	–	–	–	–	–	S00604060037 : Riprap	CA	10/03/2016	–
–	–	–	–	–	–	S00604060038 : Riprap	CA	10/03/2016	–
–	–	–	–	–	–	S00606010001 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00606010012 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00606010013 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00606010016 : Rock Check Dam	CA	11/27/2012	12/27/2012

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00606010017 : Rock Check Dam	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00606010018 : Rock Check Dam	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	S00606010031 : Rock Check Dam	CA	11/05/2014	–
–	–	–	–	–	–	S00606010032 : Rock Check Dam	CA	11/05/2014	–
–	–	–	–	–	–	S00606010033 : Rock Check Dam	CA	11/05/2014	–
–	–	–	–	–	–	S00607010007 : Gabion	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00607010008 : Gabion	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	S00607010026 : Gabion	CA	04/26/2013	–
–	–	–	–	–	–	S00607020024 : Gabion Blanket	CA	04/26/2013	–
–	–	–	–	–	–	S00607020025 : Gabion Blanket	CA	04/26/2013	–
Comments: No confirmation monitoring was conducted in 2022. A Certificate of Completion under NMED's Consent Order was recommended 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 under E.4(c).									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: S007	Site Monitoring Area No. S-SMA-3.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	228	ug/L	7/30/2022	D : MTAL	S00702040006 : Established Vegetation	BCM	04/26/2013	–
Antimony, F	N	4.64	ug/L	7/30/2022	D : ATAL	S00703120004 : Rock Berm	BCM	12/16/2010	04/29/2011
Arsenic, F	N	2.75	ug/L	7/30/2022	D : ATAL	S00703120005 : Rock Berm	BCM	12/16/2010	04/29/2011
Boron, F	N	56.9	ug/L	7/30/2022	D : ATAL	S00704030003 : Rock Channel/Swale	BCM	12/16/2010	04/29/2011
Cadmium, F	N	0.62	ug/L	7/30/2022	D : MQL	–	–	–	–
Chromium, F	N	17.4	ug/L	7/30/2022	D : MTAL	–	–	–	–
Cobalt, F	N	2.77	ug/L	7/30/2022	ND : ATAL	–	–	–	–
Copper, F	Y	127	ug/L	7/30/2022	D : MTAL	–	–	–	–
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/30/2022	ND : MQL	–	–	–	–
Gross alpha, UF	N	3.15	pCi/L	7/30/2022	D : ATAL	–	–	–	–
Lead, F	N	1.34	ug/L	7/30/2022	D : MTAL	–	–	–	–
Mercury, UF	N	0.092	ug/L	7/30/2022	D : ATAL	–	–	–	–
Nickel, F	N	3.66	ug/L	7/30/2022	D : MTAL	–	–	–	–
Radium-226 and Radium-228, UF	N	2.17	pCi/L	7/30/2022	D : ATAL	–	–	–	–
Selenium, UF	N	1.5	ug/L	7/30/2022	ND : ATAL	–	–	–	–

S-SMA-3.7, page 1 of 2

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	0.3	ug/L	7/30/2022	ND : MQL	—	—	—	—
Thallium, F	N	0.6	ug/L	7/30/2022	ND : ATAL	—	—	—	—
Total PCB, UF	Y	0.0381	ug/L	7/30/2022	D : ATAL	—	—	—	—
Vanadium, F	N	2.46	ug/L	7/30/2022	D : ATAL	—	—	—	—
Zinc, F	Y	342	ug/L	7/30/2022	D : MTAL	—	—	—	—
Comments: The sampler was activated for baseline monitoring on 03/16/2022. A confirmation monitoring sample was collected on 07/30/2022 and was reset for continued monitoring on 08/17/2022 (inoperable 19 d). The sampler was shut down for winter on 11/01/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

S-SMA-3.7, page 2 of 2

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S008	Site Monitoring Area No. S-SMA-3.71	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00802040015 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S00803010013 : Earthen Berm	BCM	07/22/2011	–
–	–	–	–	–	–	S00803010014 : Earthen Berm	BCM	07/22/2011	–
–	–	–	–	–	–	S00804020002 : Concrete/Asphalt Channel/Swale	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00806010008 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00806010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00806010010 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00806010011 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00807010001 : Gabion	BCM	12/16/2010	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/18/2022. The sampler was shut down for winter on 11/01/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

S-SMA-3.71, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S009	Site Monitoring Area No. S-SMA-3.72	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S00902040011 : Established Vegetation	BCM	04/26/2013	–
–	–	–	–	–	–	S00903010009 : Earthen Berm	BCM	07/28/2011	–
–	–	–	–	–	–	S00903010010 : Earthen Berm	BCM	07/28/2011	–
–	–	–	–	–	–	S00903120003 : Rock Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00906010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00906010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S00906010007 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/29/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S010	Site Monitoring Area No. S-SMA-3.95	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S01002040007 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	S01003060006 : Straw Wattle	BCM	10/24/2012	–
–	–	–	–	–	–	S01004010009 : Earthen Channel/Swale	BCM	11/07/2014	–
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S011	Site Monitoring Area No. S-SMA-4.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S01101010007 : Seed and Wood Mulch	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	S01103060013 : Straw Wattle	CA	02/18/2014	–
–	–	–	–	–	–	S01103090005 : Curbing	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	S01103120008 : Rock Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	S01103160014 : Wood Chip Wattle	CA	08/18/2022	–
–	–	–	–	–	–	S01104020006 : Concrete/Asphalt Channel/Swale	CA	09/25/2012	10/25/2012

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 08/21/2013 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S013	Site Monitoring Area No. S-SMA-5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S01302040011 : Established Vegetation	BCM	10/22/2014	–
–	–	–	–	–	–	S01303030009 : Log Berm	BCM	03/14/2014	–
–	–	–	–	–	–	S01303060013 : Straw Wattle	BCM	11/20/2022	–
–	–	–	–	–	–	S01304060003 : Riprap	BCM	05/13/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/18/2022. The sampler attempted but was unable to collect on 06/23/2022 and was reset for continued monitoring on 06/29/2022 (inoperable 6 d). The sampler attempted but was unable to collect on 10/16/2022 and was reset for continued monitoring on 10/17/2022 (inoperable 1 d). The sampler was shut down for winter on 11/08/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S014	Site Monitoring Area No. S-SMA-5.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S01402040016 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	S01403120017 : Rock Berm	BCM	11/07/2014	–
–	–	–	–	–	–	S01404060011 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S01406010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S01406010008 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S01406010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S01406010010 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	S01406010018 : Rock Check Dam	BCM	11/07/2014	–
–	–	–	–	–	–	S01406010019 : Rock Check Dam	BCM	11/07/2014	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 10/27/2020.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S015	Site Monitoring Area No. S-SMA-5.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	S01502040005 : Established Vegetation	BCM	05/02/2013	–
–	–	–	–	–	–	S01503010004 : Earthen Berm	BCM	05/13/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: S016	Site Monitoring Area No. S-SMA-6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	261	ug/L	7/26/2022	D : MTAL	S01602040012 : Established Vegetation	BCM	05/08/2013	—
Copper, F	Y	30.2	ug/L	7/26/2022	D : MTAL	S01603010006 : Earthen Berm	BCM	05/13/2011	04/29/2011
Gross alpha, UF	Y	30.5	pCi/L	7/26/2022	D : ATAL	S01603010018 : Earthen Berm	CA	12/09/2020	01/08/2021
Lead, F	Y	42.3	ug/L	7/26/2022	D : MTAL	S01603140019 : Coir Log	CA	12/09/2020	01/08/2021
Total PCB, UF	N	0	ug/L	7/26/2022	ND : ATAL	S01604060014 : Riprap	CA	11/29/2014	—
—	—	—	—	—	—	S01606010013 : Rock Check Dam	CA	11/29/2014	—

Comments: The sampler was activated for corrective action monitoring on 03/22/2022. A confirmation monitoring sample was collected on 07/26/2022. The monitoring stage is complete.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J028	Site Monitoring Area No. STRM-SMA-1.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02802040009 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	J02804060006 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02806010004 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02806010005 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	J02806010007 : Rock Check Dam	BCM	07/25/2012	–
–	–	–	–	–	–	J02808030008 : Concrete/Asphalt Cap	CA	05/02/2013	06/01/2013

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J029	Site Monitoring Area No. STRM-SMA-1.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J02902040018 : Established Vegetation	BCM	05/08/2013	–
–	–	–	–	–	–	J02903010009 : Earthen Berm	BCM	08/31/2011	–
–	–	–	–	–	–	J02903010011 : Earthen Berm	BCM	08/31/2011	–
–	–	–	–	–	–	J02903010013 : Earthen Berm	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	J02903010021 : Earthen Berm	CA	07/14/2021	08/13/2021
–	–	–	–	–	–	J02903120015 : Rock Berm	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	J02904010019 : Earthen Channel/Swale	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	J02904060016 : Riprap	CA	07/08/2013	08/07/2013
–	–	–	–	–	–	J02904060020 : Riprap	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	J02908030017 : Concrete/Asphalt Cap	CA	07/08/2013	08/07/2013

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. The sampler was shut down for winter on 11/14/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J030	Site Monitoring Area No. STRM-SMA-4.2	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	779	ug/L	7/4/2022	D : MTAL	J03002040006 : Established Vegetation	BCM	04/23/2013	—
Copper, F	Y	4.67	ug/L	7/4/2022	D : MTAL	J03003010004 : Earthen Berm	CA	08/17/2012	09/16/2012
Silver, F	N	0.451	ug/L	7/4/2022	D : MQL	J03004010002 : Earthen Channel/Swale	BCM	11/22/2010	12/01/2010
—	—	—	—	—	—	J03005070007 : Plunge Pool	CA	01/10/2020	02/10/2020
—	—	—	—	—	—	J03005070008 : Plunge Pool	CA	01/10/2020	02/10/2020
—	—	—	—	—	—	J03005070009 : Plunge Pool	CA	01/10/2020	02/10/2020
—	—	—	—	—	—	J03006010010 : Rock Check Dam	CA	01/10/2020	02/10/2020
—	—	—	—	—	—	J03006010011 : Rock Check Dam	CA	01/10/2020	02/10/2020
—	—	—	—	—	—	J03006010012 : Rock Check Dam	CA	01/10/2020	02/10/2020

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. A confirmation monitoring sample was collected on 07/04/2022. The monitoring stage is complete.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: J031	Site Monitoring Area No. STRM-SMA-5.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	J03102040013 : Established Vegetation	BCM	04/23/2013	–
–	–	–	–	–	–	J03103010009 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	J03103010012 : Earthen Berm	CA	07/27/2012	–
–	–	–	–	–	–	J03103010014 : Earthen Berm	CA	10/24/2017	–
–	–	–	–	–	–	J03103020004 : Base Course Berm	BCM	11/22/2010	12/01/2010

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 02/26/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

STRM-SMA-5.05, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T002	Site Monitoring Area No. T-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00203010013 : Earthen Berm	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	T00203010014 : Earthen Berm	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	T00203010015 : Earthen Berm	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	T00203060020 : Straw Wattle	CA	11/17/2014	–
–	–	–	–	–	–	T00204020016 : Concrete/Asphalt Channel/Swale	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	T00204040017 : Culvert	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	T00204040018 : Culvert	CA	05/12/2014	06/11/2014
–	–	–	–	–	–	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	12/16/2010	04/29/2011
–	–	–	–	–	–	T00208010019 : Earth Cap	CA	05/12/2014	06/11/2014

Comments: No confirmation monitoring was conducted in 2022. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) on 10/30/2013. The sample required under the 2010 IP Part E.1(b) was collected on 08/26/2021.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T003	Site Monitoring Area No. T-SMA-2.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00304010002 : Earthen Channel/Swale	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00306010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00306010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00306010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00308020001 : Rock Cap	BCM	12/16/2010	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T004	Site Monitoring Area No. T-SMA-2.85	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00402040007 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	T00403090004 : Curbing	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00406010005 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00406010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	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	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T005	Site Monitoring Area No. T-SMA-3	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00502040012 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	T00504060001 : Riprap	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00506020010 : Log Check Dam	BCM	05/23/2012	–
–	–	–	–	–	–	T00506020011 : Log Check Dam	BCM	08/30/2012	–

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T006	Site Monitoring Area No. T-SMA-4	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00602040011 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	T00603010019 : Earthen Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00603090012 : Curbing	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00603110013 : Eco-Block	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00603120015 : Rock Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00603120016 : Rock Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00603120017 : Rock Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00603120018 : Rock Berm	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00604060014 : Riprap	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00604060022 : Riprap	CA	10/15/2015	11/14/2015
–	–	–	–	–	–	T00606010007 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00606010008 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

T-SMA-4, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T007	Site Monitoring Area No. T-SMA-5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00702040012 : Established Vegetation	BCM	04/30/2013	–
–	–	–	–	–	–	T00703010008 : Earthen Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00704060016 : Riprap	BCM	12/18/2019	–
–	–	–	–	–	–	T00705020015 : Sediment Basin	BCM	09/20/2016	–
–	–	–	–	–	–	T00706010002 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00706010004 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00706010009 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00706010011 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00706010014 : Rock Check Dam	BCM	10/30/2014	–

Comments: The sampler was activated for baseline monitoring on 03/21/2022. The sampler was shut down for winter on 11/08/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T008	Site Monitoring Area No. T-SMA-6.8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00802040008 : Established Vegetation	CA	07/07/2015	–
–	–	–	–	–	–	T00803100003 : Gravel Bags	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00803140010 : Coir Log	CA	07/12/2021	–
Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 10/30/2015 with certification of completion of corrective action under the 2010 IP Part E.2(d).									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T009	Site Monitoring Area No. T-SMA-7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T00902040011 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	T00903010009 : Earthen Berm	BCM	06/15/2011	–
–	–	–	–	–	–	T00903020008 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00906010002 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00906010003 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00906010006 : Rock Check Dam	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T00906010007 : Rock Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: T010	Site Monitoring Area No. T-SMA-7.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	T01002040009 : Established Vegetation	BCM	05/01/2013	–
–	–	–	–	–	–	T01003010007 : Earthen Berm	BCM	06/15/2011	–
–	–	–	–	–	–	T01003010008 : Earthen Berm	BCM	06/15/2011	–
–	–	–	–	–	–	T01003020005 : Base Course Berm	BCM	12/16/2010	04/29/2011
–	–	–	–	–	–	T01006020006 : Log Check Dam	BCM	12/16/2010	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Corrective action was completed on 12/23/2019 with certification of completion of corrective action under the 2010 IP Part E.2(d).

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

T-SMA-7.1, page 1 of 1

# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W001	Site Monitoring Area No. W-SMA-1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00102040019 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00103010014 : Earthen Berm	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	W00103010015 : Earthen Berm	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	W00104060011 : Riprap	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	W00104060017 : Riprap	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	W00105030016 : Sand Filter	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	W00106010008 : Rock Check Dam	BCM	11/22/2010	12/01/2010
–	–	–	–	–	–	W00106010012 : Rock Check Dam	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	W00106010013 : Rock Check Dam	CA	05/02/2013	06/01/2013
–	–	–	–	–	–	W00108020018 : Rock Cap	CA	05/02/2013	06/01/2013

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP for Site(s) 16-026(c2) and 16-026(v) on 05/06/2015. Control measures eliminating exposure of pollutants to stormwater were certified per the 2010 IP Part E.2(c) for Site 16-017(j)-99 on 09/15/2015. The sample required under the 2010 IP Part E.1(b) for Site 16-017(j)-99 was collected on 10/24/2018.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: W002	Site Monitoring Area No. W-SMA-1.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	Y	968	ug/L	7/4/2022	D : MTAL	W00202040017 : Established Vegetation	BCM	05/07/2013	—
Antimony, F	N	1	ug/L	7/4/2022	ND : ATAL	W00203010015 : Earthen Berm	CA	09/25/2012	10/25/2012
Arsenic, F	N	2	ug/L	7/4/2022	ND : ATAL	W00203010020 : Earthen Berm	CA	09/04/2015	10/04/2015
Boron, F	N	18.4	ug/L	7/4/2022	D : ATAL	W00203160024 : Wood Chip Wattle	CA	11/02/2021	—
Cadmium, F	N	0.3	ug/L	7/4/2022	ND : MQL	W00204060007 : Riprap	BCM	01/10/2011	04/29/2011
Chromium, F	N	3	ug/L	7/4/2022	ND : MTAL	W00204070002 : Vegetated Swale	BCM	01/10/2011	04/29/2011
Cobalt, F	N	1.11	ug/L	7/4/2022	D : ATAL	W00204070003 : Vegetated Swale	BCM	01/10/2011	04/29/2011
Copper, F	Y	9.14	ug/L	7/4/2022	D : MTAL	W00205020013 : Sediment Basin	CA	09/25/2012	10/25/2012
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	7/4/2022	ND : MQL	W00205020021 : Sediment Basin	CA	09/04/2015	10/04/2015
Gross alpha, UF	N	2.76	pCi/L	7/4/2022	ND : ATAL	W00206010008 : Rock Check Dam	BCM	01/10/2011	04/29/2011
Lead, F	N	1.81	ug/L	7/4/2022	D : MTAL	W00206010009 : Rock Check Dam	BCM	01/10/2011	04/29/2011
Mercury, UF	N	0.067	ug/L	7/4/2022	ND : ATAL	W00206010010 : Rock Check Dam	BCM	01/10/2011	04/29/2011
Nickel, F	N	1.59	ug/L	7/4/2022	D : MTAL	W00206010016 : Rock Check Dam	CA	09/25/2012	10/25/2012
Radium-226 and Radium-228, UF	N	1.36	pCi/L	7/4/2022	D : ATAL	—	—	—	—
Selenium, UF	N	1.5	ug/L	7/4/2022	ND : ATAL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Silver, F	N	0.3	ug/L	7/4/2022	ND : MQL	–	–	–	–
Thallium, F	N	0.6	ug/L	7/4/2022	ND : ATAL	–	–	–	–
Vanadium, F	N	3.08	ug/L	7/4/2022	D : ATAL	–	–	–	–
Zinc, F	Y	218	ug/L	7/4/2022	D : MTAL	–	–	–	–
Comments: The sampler was activated for corrective action monitoring on 03/28/2022. A confirmation monitoring sample was collected on 07/04/2022. The monitoring stage is complete.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W018	Site Monitoring Area No. W-SMA-10	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01802040025 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W01803010022 : Earthen Berm	CA	08/23/2012	09/22/2012
–	–	–	–	–	–	W01803010023 : Earthen Berm	CA	08/23/2012	09/22/2012
–	–	–	–	–	–	W01803010024 : Earthen Berm	CA	08/23/2012	09/22/2012
–	–	–	–	–	–	W01803040010 : Asphalt Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01803040016 : Asphalt Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01803060028 : Straw Wattle	CA	08/19/2015	–
–	–	–	–	–	–	W01803060032 : Straw Wattle	CA	09/11/2018	–
–	–	–	–	–	–	W01803090002 : Curbing	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01803140031 : Coir Log	CA	07/18/2017	–
–	–	–	–	–	–	W01804060004 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01804060013 : Riprap	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 02/26/2016.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: W019	Site Monitoring Area No. W-SMA-11.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01902040052 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	W01903010040 : Earthen Berm	BCM	09/22/2011	–
–	–	–	–	–	–	W01903010041 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010042 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010043 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010044 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010045 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010046 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010047 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010048 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010049 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903010050 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W01903160053 : Wood Chip Wattle	CA	09/07/2022	10/07/2022
–	–	–	–	–	–	W01903160054 : Wood Chip Wattle	CA	09/07/2022	10/07/2022
–	–	–	–	–	–	W01903160055 : Wood Chip Wattle	CA	09/07/2022	10/07/2022

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01904010051 : Earthen Channel/Swale	CA	10/23/2012	11/22/2012
Comments: The sampler was activated for corrective action monitoring on 09/14/2022. The sampler was shut down for winter on 10/24/2022.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W020	Site Monitoring Area No. W-SMA-12.05	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W02002040018 : Established Vegetation	BCM	05/09/2013	–
–	–	–	–	–	–	W02003010015 : Earthen Berm	BCM	09/22/2011	–
–	–	–	–	–	–	W02003010016 : Earthen Berm	BCM	09/22/2011	–
–	–	–	–	–	–	W02003010017 : Earthen Berm	BCM	09/22/2011	–
–	–	–	–	–	–	W02004060002 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W02006010001 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/28/2022. The sampler attempted but was unable to collect on 07/27/2022 and was reset for continued monitoring on 07/29/2022 (inoperable 2 d). The sampler was shut down for winter on 10/27/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W021	Site Monitoring Area No. W-SMA-14.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W02102040021 : Established Vegetation	BCM	04/03/2013	–
–	–	–	–	–	–	W02103010016 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W02103010017 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W02103010018 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W02103010019 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W02103010020 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W02104060014 : Riprap	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	W02106010008 : Rock Check Dam	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	W02106010009 : Rock Check Dam	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	W02106010011 : Rock Check Dam	BCM	04/27/2011	04/29/2011
–	–	–	–	–	–	W02106010012 : Rock Check Dam	BCM	04/27/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W022	Site Monitoring Area No. W-SMA-15.1	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W02202040006 : Established Vegetation	CA	05/09/2013	–
–	–	–	–	–	–	W02203010004 : Earthen Berm	CA	10/23/2012	11/22/2012
–	–	–	–	–	–	W02203010005 : Earthen Berm	CA	10/23/2012	11/22/2012

Comments: The sampler was activated for corrective action monitoring on 03/28/2022. The sampler attempted but was unable to collect on 3/28/2022 with no associated downtime and again on 04/01/2022. The sampler was reset for continued monitoring on 04/11/2022 (inoperable 10 d). The sampler was shut down for winter on 10/27/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W003	Site Monitoring Area No. W-SMA-2.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00302040010 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00303010007 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W00303010008 : Earthen Berm	CA	09/25/2012	10/25/2012
–	–	–	–	–	–	W00306010009 : Rock Check Dam	CA	09/25/2012	10/25/2012

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. The sampler was shut down for winter on 11/16/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W004	Site Monitoring Area No. W-SMA-3.5	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00402040008 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00403060013 : Straw Wattle	BCM	07/06/2016	–
–	–	–	–	–	–	W00403060014 : Straw Wattle	BCM	09/26/2016	–
–	–	–	–	–	–	W00403060015 : Straw Wattle	BCM	09/11/2018	–
–	–	–	–	–	–	W00403140016 : Coir Log	BCM	09/28/2021	–
–	–	–	–	–	–	W00404060003 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00406010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/25/2022. The sampler was shut down for winter on 10/25/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W005	Site Monitoring Area No. W-SMA-4.1	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00502040006 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00503060009 : Straw Wattle	BCM	07/06/2016	–
–	–	–	–	–	–	W00503060011 : Straw Wattle	BCM	09/29/2021	–
–	–	–	–	–	–	W00503140010 : Coir Log	CA	04/21/2017	–

Comments: The sampler was activated for baseline monitoring on 03/25/2022. The sampler was shut down for winter on 11/16/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: W006	Site Monitoring Area No. W-SMA-5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00602040029 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00604040011 : Culvert	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00604050033 : Water Bar	CA	10/23/2014	–
–	–	–	–	–	–	W00604060006 : Riprap	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010003 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010012 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010013 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010014 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010015 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010017 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00606010021 : Rock Check Dam	BCM	09/06/2011	–
–	–	–	–	–	–	W00606010022 : Rock Check Dam	BCM	06/06/2012	–
–	–	–	–	–	–	W00606010023 : Rock Check Dam	BCM	06/06/2012	–
–	–	–	–	–	–	W00606010024 : Rock Check Dam	BCM	06/06/2012	–
–	–	–	–	–	–	W00606010028 : Rock Check Dam	BCM	08/01/2012	–

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00606010031 : Rock Check Dam	CA	10/23/2014	–
–	–	–	–	–	–	W00606010032 : Rock Check Dam	CA	10/23/2014	–
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W007	Site Monitoring Area No. W-SMA-6	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00701010007 : Seed and Wood Mulch	BCM	07/22/2013	–
–	–	–	–	–	–	W00702040004 : Established Vegetation	BCM	07/22/2013	–
–	–	–	–	–	–	W00703060008 : Straw Wattle	BCM	09/18/2020	–
–	–	–	–	–	–	W00703060009 : Straw Wattle	CA	08/18/2022	–

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 10/27/2020.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W008	Site Monitoring Area No. W-SMA-7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00802040014 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00803010049 : Earthen Berm	CA	09/28/2015	10/28/2015
–	–	–	–	–	–	W00803060010 : Straw Wattle	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00806010001 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00806010003 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00806010004 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00808040023 : Metal Cap	BCM	07/22/2013	–

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. The sampler was shut down for winter on 10/25/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W009	Site Monitoring Area No. W-SMA-7.8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W00902040009 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W00903010004 : Earthen Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00903100010 : Gravel Bags	CA	04/21/2017	–
–	–	–	–	–	–	W00906010001 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00906010005 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00906010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W00906010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 04/19/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

W-SMA-7.8, page 1 of 1

## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W010	Site Monitoring Area No. W-SMA-7.9	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01002040004 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W01006010003 : Rock Check Dam	BCM	01/10/2011	04/29/2011

Comments: The sampler was activated for baseline monitoring on 03/24/2022. The sampler was shut down for winter on 10/25/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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# COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W011	Site Monitoring Area No. W-SMA-8	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01102040009 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W01103010012 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	W01103010013 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	W01103010014 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	W01103010015 : Earthen Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	W01103040010 : Asphalt Berm	CA	08/10/2015	09/09/2015
–	–	–	–	–	–	W01106010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01106010011 : Rock Check Dam	CA	12/22/2014	–
–	–	–	–	–	–	W01106010016 : Rock Check Dam	CA	08/10/2015	09/09/2015

Comments: The sampler was activated for corrective action monitoring on 03/24/2022. The sampler was shut down for winter on 10/26/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W012	Site Monitoring Area No. W-SMA-8.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01202040011 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	W01203060010 : Straw Wattle	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01206010006 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01206010007 : Rock Check Dam	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01206010008 : Rock Check Dam	BCM	01/10/2011	04/29/2011
Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W012A	Site Monitoring Area No. W-SMA-8.71	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W012A02040006 : Established Vegetation	BCM	05/03/2013	–
–	–	–	–	–	–	W012A03010005 : Earthen Berm	CA	11/27/2012	12/27/2012
–	–	–	–	–	–	W012A03010007 : Earthen Berm	CA	09/04/2015	10/04/2015
–	–	–	–	–	–	W012A03060008 : Straw Wattle	CA	08/17/2015	–
–	–	–	–	–	–	W012A03060009 : Straw Wattle	CA	08/17/2015	–
Comments: The sampler was activated for corrective action monitoring on 03/29/2022. The sampler was shut down for winter on 10/25/2022.									

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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**COMPLIANCE STATUS REPORT**

<b>NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC</b>	<b>Reporting Period: January 01, 2022 - December 31, 2022</b>	<b>NPDES Permit No.: NM0030759</b>
Permitted Feature No.: W013	Site Monitoring Area No. W-SMA-9.05	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Aluminum, F	N	372	ug/L	6/26/2022	D : MTAL	W01302040013 : Established Vegetation	BCM	05/07/2013	—
Antimony, F	N	1	ug/L	6/26/2022	ND : ATAL	W01303010010 : Earthen Berm	BCM	11/14/2011	—
Arsenic, F	N	2.2	ug/L	6/26/2022	D : ATAL	W01303010011 : Earthen Berm	BCM	11/14/2011	—
Boron, F	N	41.5	ug/L	6/26/2022	D : ATAL	W01304010004 : Earthen Channel/Swale	BCM	01/10/2011	04/29/2011
Cadmium, F	N	0.3	ug/L	6/26/2022	ND : MQL	W01306010001 : Rock Check Dam	BCM	01/10/2011	04/29/2011
Chromium, F	N	3	ug/L	6/26/2022	ND : MTAL	W01306010012 : Rock Check Dam	BCM	11/14/2011	—
Cobalt, F	N	1	ug/L	6/26/2022	ND : ATAL	—	—	—	—
Copper, F	Y	4.65	ug/L	6/26/2022	D : MTAL	—	—	—	—
Cyanide, weak acid dissociable, UF	N	1.67	ug/L	6/26/2022	ND : MQL	—	—	—	—
Gross alpha, UF	N	4.06	pCi/L	6/26/2022	D : ATAL	—	—	—	—
Lead, F	N	0.5	ug/L	6/26/2022	ND : MTAL	—	—	—	—
Mercury, UF	N	0.067	ug/L	6/26/2022	ND : ATAL	—	—	—	—
Nickel, F	N	1.63	ug/L	6/26/2022	D : MTAL	—	—	—	—
Radium-226 and Radium-228, UF	N	1.3	pCi/L	6/26/2022	D : ATAL	—	—	—	—
RDX, UF	N	0.362	ug/L	6/26/2022	D : ATAL	—	—	—	—

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Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
Selenium, UF	N	1.5	ug/L	6/26/2022	ND : ATAL	—	—	—	—
Silver, F	N	0.3	ug/L	6/26/2022	ND : MQL	—	—	—	—
Thallium, F	N	0.6	ug/L	6/26/2022	ND : ATAL	—	—	—	—
Trinitrotoluene[2,4,6-], UF	N	0.093	ug/L	6/26/2022	ND : ATAL	—	—	—	—
Vanadium, F	N	3.25	ug/L	6/26/2022	D : ATAL	—	—	—	—
Zinc, F	N	7.55	ug/L	6/26/2022	D : MTAL	—	—	—	—
Comments: The sampler was activated for baseline monitoring on 03/24/2022. A confirmation monitoring sample was collected on 06/26/2022. The monitoring stage is complete.									

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

<b>Amanda White, Program Director</b>	<b>See Signature on file pg. C-1 to C-7</b>	<b>See date on file</b>
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W014	Site Monitoring Area No. W-SMA-9.5	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01403010010 : Earthen Berm	CA	12/09/2020	10/08/2020
–	–	–	–	–	–	W01404060011 : Riprap	CA	12/09/2020	10/08/2020

Comments: The sampler was activated for corrective action monitoring on 03/25/2022. The sampler was shut down for winter on 10/31/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W015	Site Monitoring Area No. W-SMA-9.7	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01502040008 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W01503060018 : Straw Wattle	CA	08/18/2015	–
–	–	–	–	–	–	W01503060022 : Straw Wattle	CA	09/28/2021	–
–	–	–	–	–	–	W01503100017 : Gravel Bags	BCM	10/28/2014	–
–	–	–	–	–	–	W01503140020 : Coir Log	BCM	07/13/2017	–
–	–	–	–	–	–	W01506030004 : Juniper Bales	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01506030005 : Juniper Bales	BCM	01/10/2011	04/29/2011

Comments: No confirmation monitoring was conducted in 2022. Alternative compliance was requested under the 2010 IP at all associated Site(s) on 05/06/2015.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W016	Site Monitoring Area No. W-SMA-9.8	Permit Phase: Baseline Control Measures

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01602040012 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W01603020007 : Base Course Berm	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01603140013 : Coir Log	BCM	09/21/2021	–

Comments: The sampler was activated for baseline monitoring on 03/25/2022. The sampler was shut down for winter on 11/09/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## COMPLIANCE STATUS REPORT

NEWPORT NEWS NUCLEAR BWXT - LOS ALAMOS, LLC	Reporting Period: January 01, 2022 - December 31, 2022	NPDES Permit No.: NM0030759
Permitted Feature No.: W017	Site Monitoring Area No. W-SMA-9.9	Permit Phase: Corrective Action

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

Monitoring Requirement	Parameter(s) > Target Action Level					Control Measure(s)		Completion Date	
	(Yes/ No)	Quality or Concentration	Units	Sample Date	Result Description	Type	Permit Phase	Required	Actual
–	–	–	–	–	–	W01702040022 : Established Vegetation	BCM	05/07/2013	–
–	–	–	–	–	–	W01703010017 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	W01703010018 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	W01703010019 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	W01703010020 : Earthen Berm	CA	06/27/2012	07/27/2012
–	–	–	–	–	–	W01703090001 : Curbing	BCM	01/10/2011	04/29/2011
–	–	–	–	–	–	W01703110023 : Eco-Block	BCM	04/17/2019	–

Comments: The sampler was activated for corrective action monitoring on 03/25/2022. The sampler was shut down for winter on 11/09/2022.

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

Amanda White, Program Director	See Signature on file pg. C-1 to C-7	See date on file
Typed or Printed Name/ Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Date

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## Appendix F

# Update Chapters for 14 Site Monitoring Areas Permitted under the 2010 Individual Permit that are no longer Permitted under the 2022 Individual Permit

### 1.0 R-SMA-0.5: AOC C-00-020

One historical industrial activity area, Site C-00-020, was associated with R-SMA-0.5 (2010 IP permitted feature R001). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

#### 1.1 Site Descriptions

AOC C-00-020 is a suspected mortar impact area located along the north valley wall of Rendija Canyon on General Services Administration and USFS land. The 30-acre Site also includes a tributary of Rendija Canyon. Most of the Site lies within the Santa Fe National Forest, except for a small area on the southeastern edge that is private property. AOC C-00-020 was suspected to be a former mortar-impact area because of a “U.S. Property—No Trespassing” sign and a nearly illegible bilingual sign posted in the area. The signs no longer remain. Extensive archival searches have revealed no documentation regarding the use of this Site as a munitions-impact area. In addition, no field evidence of operations (e.g., MD, MEC, UXO, or impact scars) has ever been found at AOC C-00-020. RFI activities conducted in 1993 included an ordnance sweep followed by a geophysical sweep. No ordnance, MD, MEC, or UXO were located. In addition, no ordnance was found during the 2007 investigation or during the 2009 ordnance survey. The Site is located within an area burned by the 2000 Cerro Grande fire. The stream channel that runs through the center of the Site has been widened by flooding. Currently, there are burned and live trees on the steep slopes next to the stream.

Consent Order investigations are complete for AOC C-00-020; the Site meets residential risk levels. NMED issued a CoC without controls for AOC C-00-020 in May 2012 (NMED 2012, 520388).

#### 1.2 Control Measures

All control measures in use at R-SMA-0.5 under the 2010 Permit are listed in Table 1-1. Their locations are shown on the project map (Figure 1-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 1-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
R00102040025	Established Vegetation	-	X	X	-	B
R00103030006	Log Berm	-	X	-	X	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 1.3 Inspections and Maintenance

Rain gage RG-NCOM recorded three storm events at R-SMA-0.5 through July 31, 2022, requiring three post-storm inspections, which are summarized in Table 1-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 1-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93703	7-2-2022	0.33	7-12-2022	10	Yes
BMP-94088	7-14-2022	0.33	7-22-2022	8	Yes
BMP-94714	7-27-2022	0.6	8-10-2022	14	Yes

### 1.4 Stormwater Monitoring

AOC C-00-020 was monitored within R-SMA-0.5. Following the installation of baseline control measures, a baseline stormwater sample was collected on August 3, 2012. Analytical results from this sample yielded a TAL exceedance for gross-alpha activity (36.5 pCi/L), and the complete analytical results are presented in “Storm Water Individual Permit Annual Report, Reporting Period: January 1–December 31, 2012” (LANL 2013, 237680).

Stormwater monitoring was not conducted at R-SMA-0.5 in 2022 under the 2010 IP requirements. The Site and SMA are not on the 2022 IP and future monitoring will not occur.

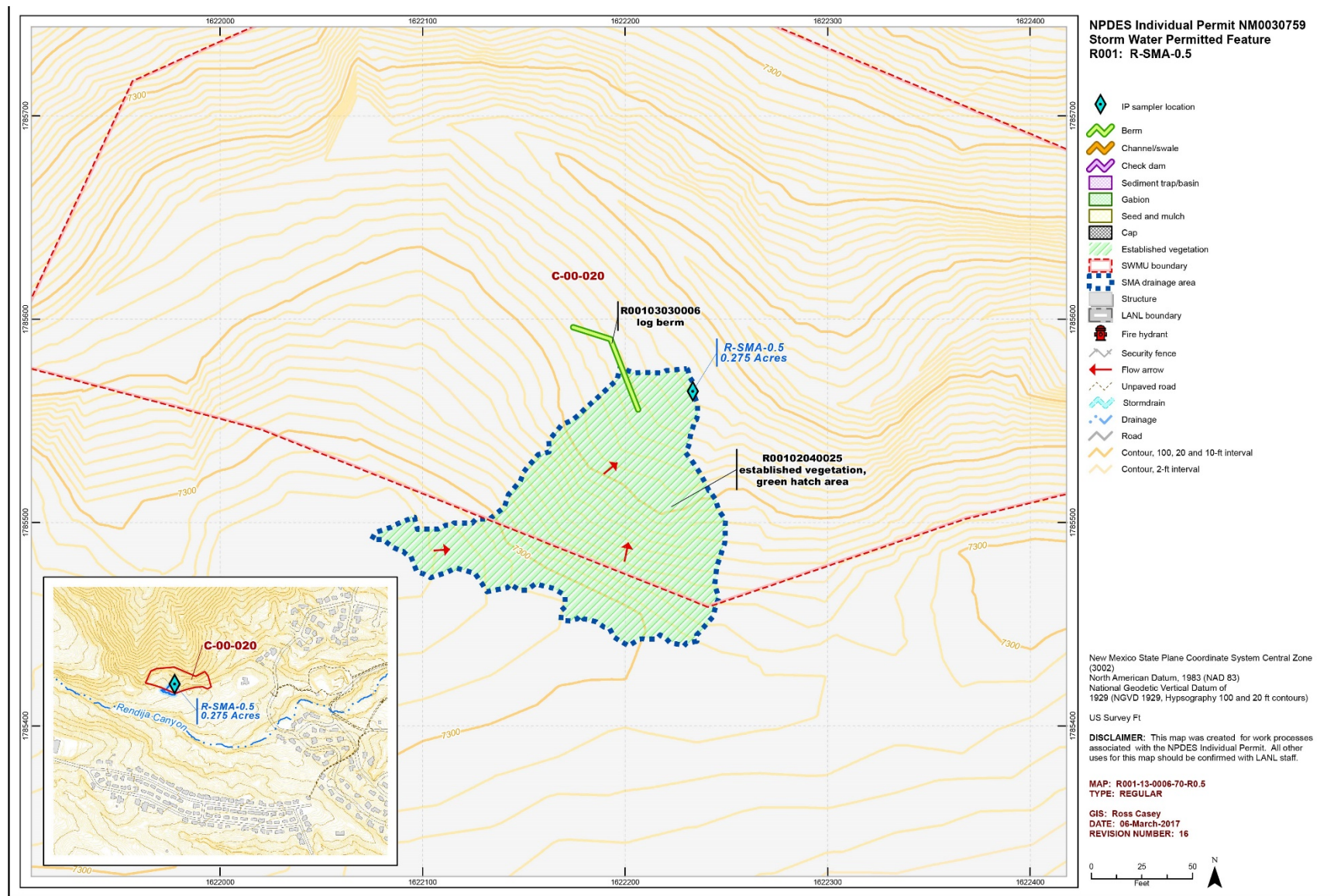


Figure 1-1 R-SMA-0.5 location map



## 4.0 R-SMA-2.05: SWMU 00-011(c)

One historical industrial activity area, Site 00-011(c), was associated with R-SMA-2.05 (2010 IP permitted feature R001). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 4.1 Site Descriptions

SWMU 00-011(c) is the potential location of a munitions-impact area. The Site is located on General Services Administration and USFS land within a tributary of Rendija Canyon north of the Sportsmen's Club small-arms firing range (AOC 00-015). The area is approximately 9 acres. It was identified as a possible munitions-impact area because of nearly illegible historical signage posted at the Site in the 1940s. Extensive archival searches have revealed no documentation regarding the use of this Site as a munitions-impact area. In addition, no field evidence of munitions operations (e.g., MD, MEC, UXO, or impact scars) has been found at SWMU 00-011(c). During the 1993 Phase I RFI conducted at SWMU 00-011(c), the Site was surveyed for UXO and OEW. Scrap metal such as bailing wire and tin cans were found, but no ordnance, MD, MEC, or UXO was located. In addition, no ordnance was found during the 2007 investigation or during the 2009 ordnance survey.

Consent Order investigations are complete for SWMU 00-011(c). The complete absence of UXO and OEW confirmed that SWMU 00-011(c) was never used as an ordnance-impact area. In accordance with the approved Guaje/Barrancas/Rendija Canyons Aggregate Area investigation work plan (LANL 2005, 089657; NMED 2006, 091532), no further investigation was conducted at SWMU 00-011(c). NMED concurred with the conclusion that no additional ordnance surveys need to be conducted at this Site and issued a CoC without controls in May 2012 (NMED 2012, 520388).

### 4.2 Control Measures

All control measures in use at R-SMA-2.05 under the 2010 Permit are listed in Table 4-1. Their locations are shown on the project map (Figure 4-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 4-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
R00402040005	Established Vegetation	-	X	X	-	B
R00406030002	Juniper Bales	-	X	-	X	CB
R00406030003	Juniper Bales	-	X	-	X	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 4.3 Inspections and Maintenance

Rain gage RG-NCOM recorded three storm events at R-SMA-2.05 through July 31, 2022, requiring three post-storm inspections, which are summarized in Table 4-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 4-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93689	7-2-2022	0.33	7-12-2022	10	Yes
BMP-94034	7-14-2022	0.33	7-26-2022	12	Yes
BMP-94555	7-27-2022	0.6	8-9-2022	13	Yes

#### 4.4 Stormwater Monitoring

SWMU 00-011(c) was monitored within R-SMA-2.05. Following the installation of baseline control measures, a baseline storm water sample was collected on August 29, 2020. Analytical results from this sample yielded a TAL exceedance for gross-alpha activity (85.2 pCi/L) and the complete analytical results are presented in “Storm Water Individual Permit Annual Report, Reporting Period: January 1–December 31, 2020” (N3B 2021, 701234).

Stormwater monitoring was not conducted at R-SMA-2.05 in 2022 under the 2010 IP requirements. The Site and SMA are not on the 2022 IP and future monitoring will not occur.

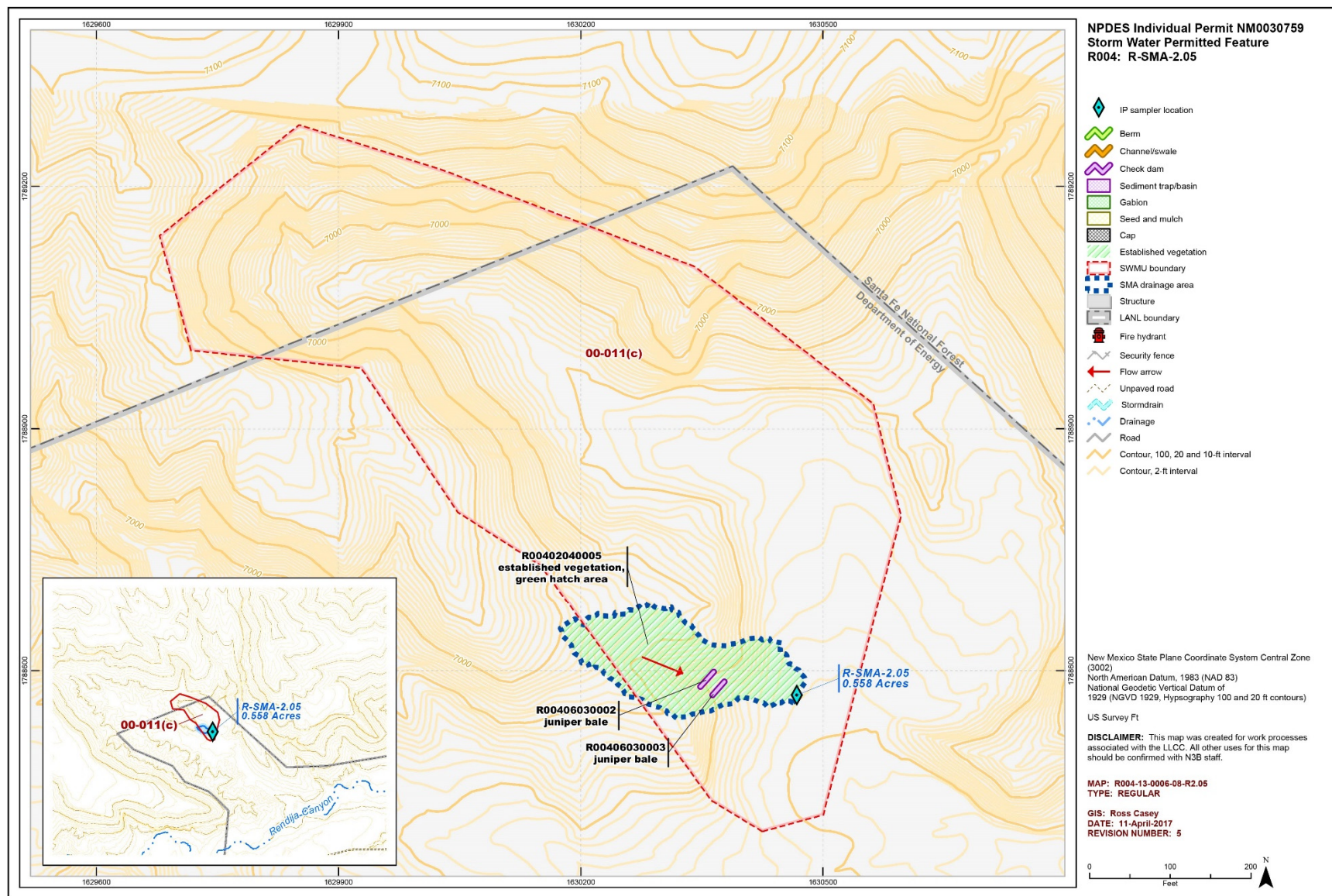


Figure 4-1 R-SMA-2.05 location map

## 45.0 LA-SMA-6.27: SWMUs 21-021 and 21-027(c)

Two historical industrial activity areas, Sites 21-021 and 21-027(c), were associated with LA-SMA-6.27 (2010 IP permitted feature L021). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 45.1 Site Descriptions

SWMU 21-021 consists of potential surface soil contamination resulting from the deposition of historical airborne releases of radionuclides from incinerators, stacks, and filter houses previously located throughout TA-21. The estimated area of soil contamination is approximately 300,000 m<sup>2</sup> and overlaps all of TA-21 and portions of DP Canyon north of TA-21. TA-21 was used primarily for plutonium research and metal production and related activities from 1945 to 1978. After the major plutonium research and metal production activities at TA-21 ceased in 1978, subsequent unrelated office and small-scale research activities continued until approximately 2006. Historical airborne releases of radionuclides from stacks throughout TA-21 were documented from 1951 to 1971 and from 1973 to 1989. A minimum of approximately 2 Ci/yr of plutonium-239/240 was released from all TA-21 stacks in the 1950s. There is no documentation of nonradioactive chemical releases associated with the historical TA-21 stack emissions.

SWMU 21-021 is included in Appendices A and C of the Consent Order as part of the TA-21 D&D and Cleanup Campaign. Because SWMU 21-021 overlies all other SWMUs and AOCs within TA-21, evaluation of risk associated with SWMU 21-021 is not expected to be made until investigation of all other TA-21 SWMUs and AOCs is complete.

SWMU 21-027(c) is a former 4-in. VCP outlet drainline that exited former building 21-6 (a cafeteria and machine shop) and discharged to an outfall south of the building on the south rim of DP Mesa within DP West at TA-21. Former building 21-6 was constructed in 1945 and was removed in 1966; however, the drainline was left in place. The entire drainline extending from former building 21-6 to the outfall was removed in 2007.

All detected inorganic and organic chemical concentrations and radionuclide activities from Consent Order samples were below residential SSLs and SALs. SWMU 21-027(c) was recommended for corrective action complete in the Phase II investigation report for DP Site Aggregate Area, submitted to NMED in 2010 (LANL 2010, 109082). A request for CoC was submitted to NMED in June 2015 (LANL 2015, 600502). NMED requested additional information in 2016 to grant the Site a CoC (NMED 2016, 601146). A request for a CoC without controls was submitted to NMED in November 2019 (DOE 2019, 700679). NMED issued a CoC with controls under the Consent Order for the Site in January 2020 (NMED 2020, 700730).

### 45.2 Control Measures

All control measures in use at LA-SMA-6.27 under the 2010 Permit are listed in Table 45-1. Their locations are shown on the project map (Figure 45-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.



**Table 45-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
L02102040011	Established Vegetation	-	X	X	-	B
L02103040001	Asphalt Berm	X	-	-	X	CB
L02103060021	Straw Wattle	-	X	-	X	B
L02103060022	Straw Wattle	-	X	-	X	B
L02106010015	Rock Check Dam	-	X	-	X	B
L02106010016	Rock Check Dam	-	X	-	X	B
L02106010017	Rock Check Dam	-	X	-	X	B

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 45.3 Inspections and Maintenance

Rain gage RG038 recorded six storm events at LA-SMA-6.27 through July 31, 2022, requiring three post-storm inspections, which are summarized in Table 45-2. All other control measure inspections conducted at the SMA are summarized in Table 45-3. No maintenance activities or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 45-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93137 <sup>a,b</sup>	6-25-2022	0.3	7-6-2022	11	Yes
	6-27-2022	0.41		9	Yes
	7-1-2022	0.42		5	Yes
BMP-94056 <sup>b</sup>	7-14-2022	0.3	7-25-2022	11	Yes
	7-20-2022	0.29		5	Yes
BMP-94643	7-27-2022	0.97	8-4-2022	8	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

**Table 45-3 Other Control Measure Inspections During 2022**

Inspection Type	Inspection Reference	Inspection Date	Summary of Findings
Verification	BMP-90502	1-13-2022	No deficiency noted
Verification	BMP-90682	2-10-2022	No deficiency noted
Verification	BMP-91108	3-10-2022	No deficiency noted
Verification	BMP-91325	4-7-2022	No deficiency noted
Verification	BMP-91930	5-5-2022	No deficiency noted
Verification	BMP-92377	6-2-2022	No deficiency noted
Verification	BMP-92725	6-30-2022	No deficiency noted
Verification	BMP-93570	7-27-2022	No deficiency noted

Consent Order field activities in support of the TA-21 D&D and Cleanup Campaign began in 2019 in all areas of TA-21. Field activities were stopped in March 2020 because the investigation encountered higher than expected levels of contamination during D&D activities of building 21-257. Because of these conditions, the campaign is undergoing a reevaluation of the hazard category and safety basis determination associated with remaining D&D activities. Field activities relating to removal of utilities resumed in the spring of 2021; however, the safety basis documentation revisions are ongoing and D&D activities were not resumed in 2021. In 2022, SWPP team members resumed monthly inspections of controls in areas of potential soil disturbance.

#### 45.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at LA-SMA-6.27.

Stormwater monitoring was conducted at LA-SMA-6.27 under the 2010 IP requirements from March 22 through July 31, 2022, resulting in a monitoring season of 132 days. Four inspections were performed during the monitoring period and are summarized in Table 45-4. Rain gage RG038 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 45-4 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> /Total <sup>b</sup> (in.)
SMPLR-91643	4-8-2022	No	None	None
SMPLR-91944	5-4-2022	No	None	None
SMPLR-92336	6-7-2022	No	None	None
SMPLR-92762	7-5-2022	No	6-22-2022 6-25-2022 6-26-2022 6-27-2022 7-1-2022 7-4-2022	0.11/0.79 0.3/1.42 0.18/1.48 0.41/0.46 0.42/0.77 0.19/0.27

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

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

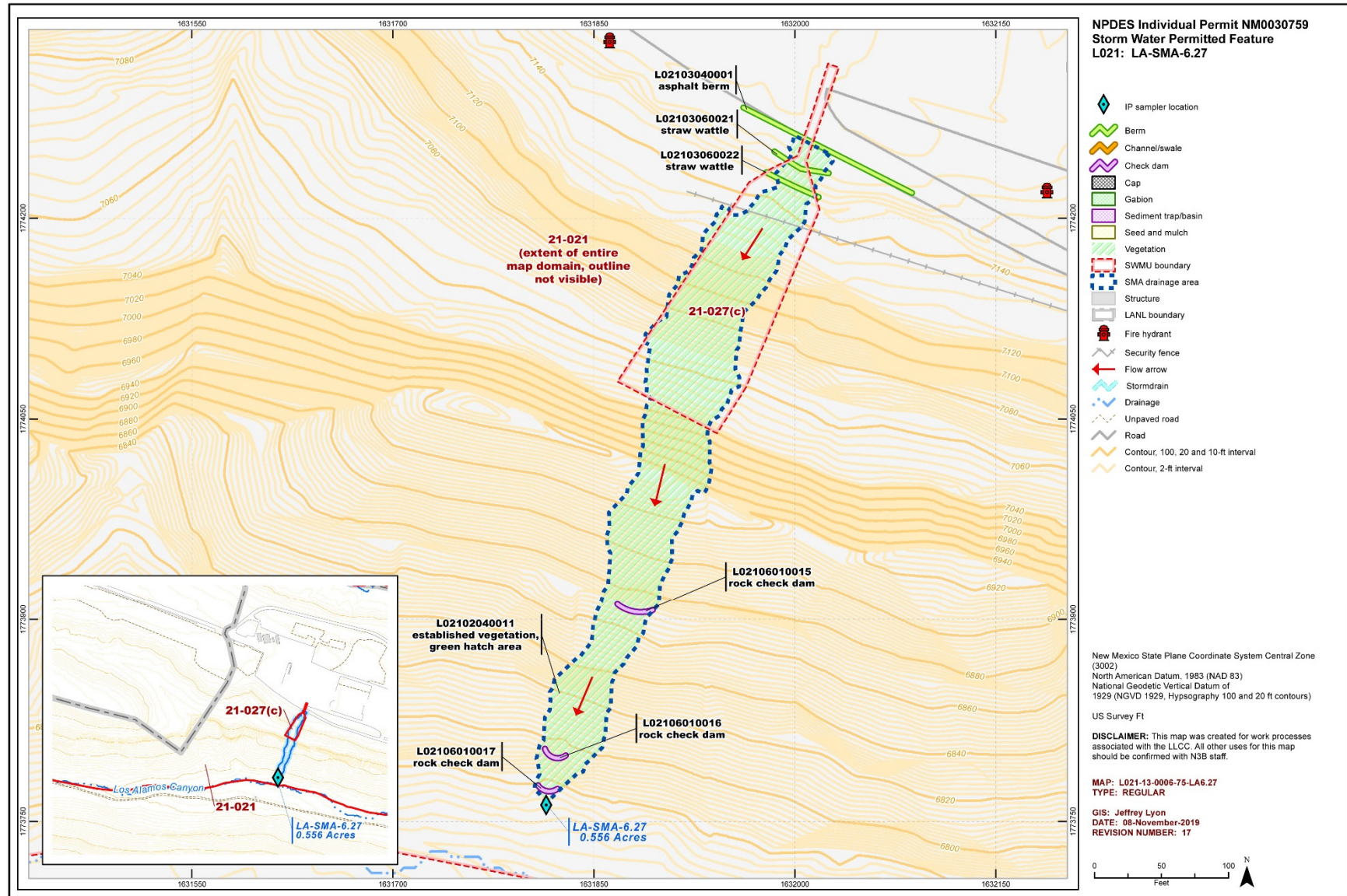


Figure 45-1 LA-SMA-6.27 location map

## 50.0 LA-SMA-6.36: SWMUs 21-021 and 21-024(a)

Two historical industrial activity areas, Sites 21-021 and 21-024(a), were associated with LA-SMA-6.36 (2010 IP permitted feature L025). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the SMA is no longer monitored under the IP.

### 50.1 Site Descriptions

SWMU 21-021 consists of potential surface soil contamination resulting from the deposition of historical airborne releases of radionuclides from incinerators, stacks, and filter houses previously located throughout TA-21. The estimated area of soil contamination is approximately 300,000 m<sup>2</sup> and overlaps all of TA-21 and portions of DP Canyon north of TA-21. TA-21 was used primarily for plutonium research and metal production and related activities from 1945 to 1978. After the major plutonium research and metal production activities at TA-21 ceased in 1978, subsequent unrelated office and small-scale research activities continued until approximately 2006. Historical airborne releases of radionuclides from stacks throughout TA-21 were documented from 1951 to 1971 and from 1973 to 1989. A minimum of approximately 2 Ci/yr of plutonium-239/240 was released from all TA-21 stacks in the 1950s. There is no documentation of nonradioactive chemical releases associated with the historical TA-21 stack emissions.

SWMU 21-021 is included in Appendices A and C of the Consent Order as part of the TA-21 D&D and Cleanup Campaign. Because SWMU 21-021 overlies all other SWMUs and AOCs within TA-21, evaluation of risk associated with SWMU 21-021 is not expected to be made until investigation of all other TA-21 SWMUs and AOCs is complete.

SWMU 21-024(a) is a former sanitary septic system that served the former steam plant (former building 21-9) that was located in the southeastern portion of DP West at TA-21. The septic system was constructed in 1945 and consisted of a reinforced concrete septic tank (former structure 21-53) that measured 9 × 5.75 × 7.25 ft deep, a 6-in.-diameter VCP inlet drainline, a 4- or 6-in.-diameter VCP outlet drainline, and an outfall just north of the south rim of DP Mesa above Los Alamos Canyon. The septic system was not used after 1966 when it was abandoned in place, and the steam plant (former building 21-9) was removed and replaced with a new steam plant (former building 21-357) in 1985. The septic tank (21-53) and inlet and outlet drainlines were removed in 2007. The section of the drainline located beneath the DP perimeter road was left in place because the road is active and continues to provide access to DP East.

Consent Order investigations are complete for SWMU 21-024(a). All detected inorganic and organic chemical concentrations and radionuclide activities from Consent Order samples were below residential SSLs and SALs. SWMU 21-024(a) was recommended for corrective action complete in the Phase II investigation report for DP Site Aggregate Area, submitted to NMED in 2010 (LANL 2010, 109082). A request for CoC was submitted to NMED in June 2015 (LANL 2015, 600502). NMED granted the Site a CoC without controls on January 19, 2016 (NMED 2016, 601146).

### 50.2 Control Measures

All control measures in use at LA-SMA-6.36 under the 2010 Permit are listed in Table 50-1. Their locations are shown on the project map (Figure 50-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.



**Table 50-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
L02502040010	Established Vegetation	-	X	X	-	B
L02503010008	Earthen Berm	-	X	-	X	CB
L02503010009	Earthen Berm	X	-	-	X	CB
L02504050012	Water Bar	X	-	-	X	B

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 50.3 Inspections and Maintenance

Rain gage RG038 recorded six storm events at LA-SMA-6.36 through July 31, 2022, requiring three post-storm inspections, which are summarized in Table 50-2. All other control measure inspections conducted at the SMA are summarized in Table 50-3. No maintenance activities or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 50-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93147 <sup>a,b</sup>	6-25-2022	0.3	7-6-2022	11	Yes
	6-27-2022	0.41		9	Yes
	7-1-2022	0.42		5	Yes
BMP-94066 <sup>b</sup>	7-14-2022	0.3	7-25-2022	11	Yes
	7-20-2022	0.29		5	Yes
BMP-94643	7-27-2022	0.97	8-2-2022	6	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

**Table 50-3 Other Control Measure Inspections During 2022**

Inspection Type	Inspection Reference	Inspection Date	Summary of Findings
Verification	BMP-90507	1-13-2022	No deficiency noted
Verification	BMP-90687	2-10-2022	No deficiency noted
Verification	BMP-91113	3-10-2022	No deficiency noted
Verification	BMP-91330	4-7-2022	No deficiency noted
Verification	BMP-91935	5-5-2022	No deficiency noted
Verification	BMP-92382	6-2-2022	No deficiency noted
Verification	BMP-92749	6-30-2022	No deficiency noted
Verification	BMP-93575	7-27-2022	No deficiency noted

Consent Order field activities in support of the TA-21 D&D and Cleanup Campaign began in 2019 in all areas of TA-21. Field activities were stopped in March 2020 because the investigation encountered higher than expected levels of contamination during D&D activities of building 21-257. Because of these

conditions, the campaign is undergoing a reevaluation of the hazard category and safety basis determination associated with remaining D&D activities. Field activities relating to removal of utilities resumed in the spring of 2021; however, the safety basis documentation revisions are ongoing and D&D activities were not resumed in 2021. In 2022, SWPP team members resumed monthly inspections of controls in areas of potential soil disturbance.

#### 50.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at LA-SMA-6.36.

Stormwater monitoring was conducted at LA-SMA-6.36 under the 2010 IP requirements from March 24 through July 31, 2022, resulting in a monitoring season of 130 days. Four inspections were performed during the monitoring period and are summarized in Table 50-4. Rain gage RG038 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 50-4 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91655	4-15-2022	No	None	None
SMPLR-9202	7-6-2022	No	6-22-2022 6-25-2022 6-26-2022 6-27-2022 7-1-2022 7-4-2022	0.11/0.79 0.3/1.42 0.18/1.48 0.41/0.46 0.42/0.77 0.19/0.27

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

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

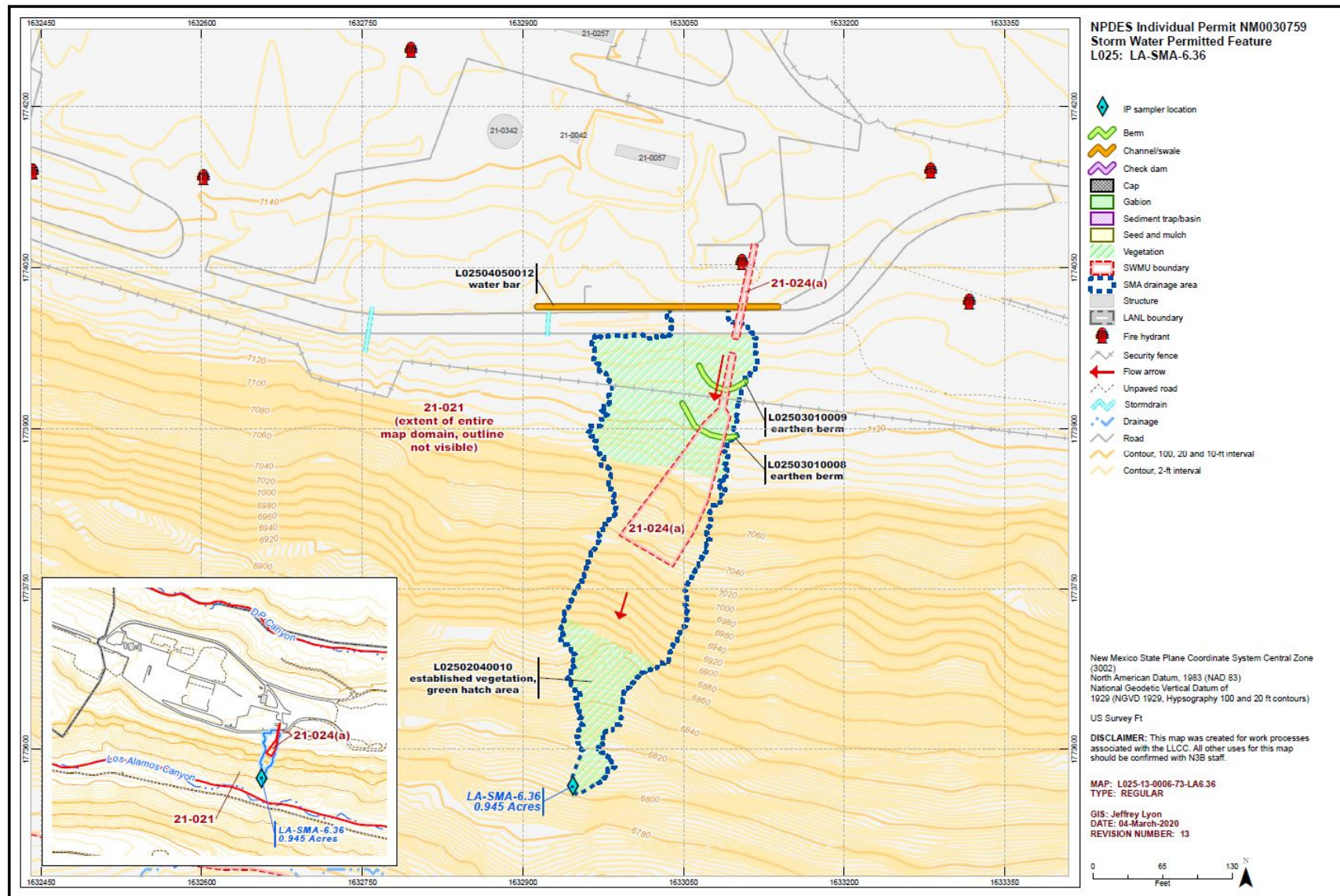


Figure 50-1 LA-SMA-6.36 location map

## 55.0 LA-SMA-10.11: SWMU 53-002(a)

One historical industrial activity area, Site 53-002(a), was associated with LA-SMA-10.11 (2010 IP permitted feature L030). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 55.1 Site Descriptions

SWMU 53-002(a) consists of two inactive surface impoundments known as the NE and NW impoundments. These impoundments were constructed in 1969, and each measured 210 × 210 × 6 ft deep with a capacity of 1.6 million gal. The dikes composing the sidewalls of the impoundments were constructed of compacted tuff lined with 4 to 6 in. of gunite. The bottom of each impoundment was lined with 4 in. of bentonite clay. These impoundments were originally constructed to contain all sanitary, industrial, and radioactive wastewater generated at TA-53 with no discharge. However, wastewater flows exceeded the evaporative capacity of the NE and NW impoundments, and it became necessary to discharge wastewater from the impoundments to an unlined drainage channel leading to Los Alamos Canyon. Discharges occurred on a batch basis through an NPDES-permitted outfall. The impoundments also had an emergency overflow that discharged to the south of the impoundments, near a tributary to Sandia Canyon. Beginning in 1989, all radioactive wastewaters from TA-53 were discharged to a third impoundment [SWMU 53-002(b)]. The NE and NW impoundments continued to receive all sanitary and industrial wastewaters until 1993, when the impoundments were taken out of service. The remaining wastewater in the impoundments was then allowed to evaporate.

The SWMU 53-002(a) surface impoundments were originally included as treatment, storage, and disposal units in the Laboratory's 1991 RCRA Part A permit application for mixed waste. The Laboratory had intended to close these units under RCRA interim status and submitted a closure plan to NMED in 1994 (LANL 1994, 034756). After 1994, the Laboratory conducted investigations to determine the source of hazardous materials detected in the impoundments. Based on these investigations and sampling results, a determination was made that the contents of the impoundments were not hazardous waste. As a result, in 1997, NMED changed the status of the impoundments from treatment, storage, and disposal units to corrective action units. The sludge and liners were removed from the two SWMU 53-002(a) impoundments during an IA conducted in 2002.

Consent Order investigations are complete for SWMU 53-002(a). Decision-level data for SWMU 53-002(a) indicate that nature and extent are defined, and all detected inorganic and organic chemical concentrations and radionuclide activities from Consent Order samples were below residential SSLs and SALs. NMED issued a CoC with controls in September 2006 (NMED 2006, 095421).

### 55.2 Control Measures

All control measures in use at LA-SMA-10.11 under the 2010 Permit are listed in Table 55-1. Their locations are shown on the project map (Figure 55-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 55-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
L03004060003	Rip Rap	-	X	X	-	CB
L03004060009	Rip Rap	-	X	X	-	CB
L03006010001	Rock Check Dam	-	X	-	X	CB

CB: Certified baseline control measure.

### 55.3 Inspections and Maintenance

Rain gage RG-TA-53 recorded nine storm events at LA-SMA-10.11 through July 31, 2022, requiring four post-storm inspections, which are summarized in Table 55-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 55-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93265 <sup>a,b</sup>	6-26-2022	0.28	7-11-2022	15	Yes
	6-27-2022	0.29		14	Yes
	7-1-2022	0.3		10	Yes
BMP-94036 <sup>b</sup>	7-14-2022	0.25	7-25-2022	5	Yes
BMP-94028 <sup>c</sup>	7-20-2022	0.38	8-4-2022	7	Yes
	7-26-2022	0.84		1	Yes
	7-27-2022	0.48		0 <sup>c</sup>	Yes
SMPLR-95149	7-30-2022	0.33	10-5-2022	68	No
	7-31-2022	0.39		67	No

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

<sup>c</sup> Inspection was conducted on same day of storm event after 30 min max intensity was recorded.

Because of an administrative error, the post-storm inspection for the July 30 and July 31, 2022, storm events was not conducted within 15 days of the storm date. There were no findings of deficiency or recommendations for maintenance when the next visit at the SMA was conducted on December 14, 2022. There were also no findings of deficiency or recommendations for maintenance at the previous inspections, which were conducted after storm events with greater intensity.

### 55.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at LA-SMA-10.11.

Stormwater monitoring was conducted at LA-SMA-10.11 under the 2010 IP requirements from March 29 through July 31, 2022, resulting in a monitoring season of 125 days. A total of 3 inspections were performed during the monitoring period and are summarized in Table 55-3, and the location was decommissioned on October 5, 2022. Rain gage RG-TA-53 recorded 11 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022.

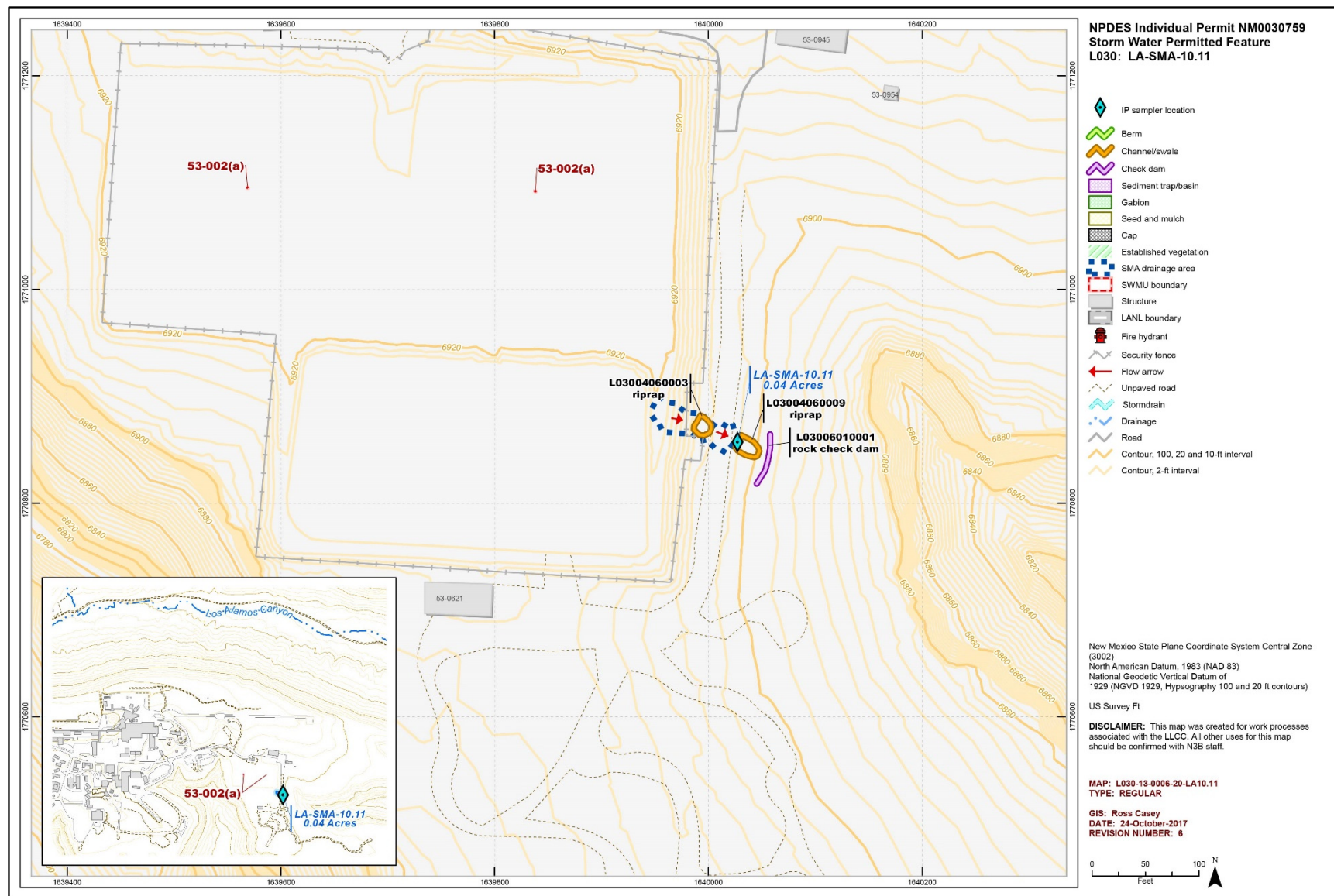


**Table 55-3 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91708	4-26-2022	No	None	None
SMPLR-92492	6-15-2022	No	None	None
SMPLR-92866	7-7-2022	No	6-19-2022 6-25-2022 6-26-2022 6-27-2022 7-1-2022	0.12/0.29 0.21/1.22 0.28/1.26 0.29/0.33 0.3/0.53
SMPLR-95149	10-5-2022	No	7-14-2022 7-20-2022 7-26-2022 7-27-2022 7-30-2022 7-31-2022	0.25/0.29 0.38/0.39 0.84/1.44 0.48/0.54 0.33/0.57 0.39/0.78

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

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



**Figure 55-1 LA-SMA-10.11 location map**

## 64.0 DP-SMA-4: SWMU 21-021

One historical industrial activity area, Site 21-021, was associated with DP-SMA-4 (2010 IP permitted feature D008). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the SMA is no longer monitored under the IP.

### 64.1 Site Descriptions

SWMU 21-021 consists of potential surface soil contamination resulting from the deposition of historical airborne releases of radionuclides from incinerators, stacks, and filter houses previously located throughout TA-21. The estimated area of soil contamination is approximately 300,000 m<sup>2</sup> and overlaps all of TA-21 and portions of DP Canyon north of TA-21. TA-21 was used primarily for plutonium research and metal production and related activities from 1945 to 1978. After the major plutonium research and metal production activities at TA-21 ceased in 1978, subsequent unrelated office and small-scale research activities continued until approximately 2006. Historical airborne releases of radionuclides from stacks throughout TA-21 were documented from 1951 to 1971 and from 1973 to 1989. A minimum of approximately 2 Ci/yr of plutonium-239/240 was released from all TA-21 stacks in the 1950s. There is no documentation of nonradioactive chemical releases associated with the historical TA-21 stack emissions.

SWMU 21-021 is included in Appendices A and C of the Consent Order as part of the TA-21 D&D and Cleanup Campaign. Because SWMU 21-021 overlies all other SWMUs and AOCs within TA-21, evaluation of risk associated with SWMU 21-021 is not expected to be made until investigation of all other TA-21 SWMUs and AOCs is complete.

### 64.2 Control Measures

All control measures in use at DP-SMA-4 under the 2010 Permit are listed in Table 64-1. Their locations are shown on the project map (Figure 64-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 64-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
D00802040009	Established Vegetation	-	X	X	-	B
D00803010007	Earthen Berm	-	X	-	X	CB
D00804050014	Water Bar	X	-	X	-	B
D00804060013	Rip Rap	X	-	X	-	B
D00806010008	Rock Check Dam	X	-	-	X	B
D00808020012	Rock Cap	X	-	X	-	B

CB: Certified baseline control measure.

B: Additional baseline control measure.



### 64.3 Inspections and Maintenance

Rain gage RG-TA-53 recorded nine storm events at DP-SMA-4 through July 31, 2022, requiring four post-storm inspections, which are summarized in Table 64-2. All other control measure inspections conducted at the SMA are summarized in Table 64-3. No maintenance activities or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 64-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93288 <sup>a,b</sup>	6-26-2022	0.28	7-6-2022	10	Yes
	6-27-2022	0.29		9	Yes
	7-1-2022	0.3		5	Yes
BMP-94052	7-14-2022	0.25	7-18-2022	4	Yes
BMP-94247	7-20-2022	0.38	7-25-2022	5	Yes
BMP-94472 <sup>a</sup>	7-26-2022	0.84	8-2-2022	7	Yes
	7-27-2022	0.48		6	Yes
	7-30-2022	0.33		3	Yes
	7-31-2022	0.39		2	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

**Table 64-3 Other Control Measure Inspections During 2022**

Inspection Type	Inspection Reference	Inspection Date	Summary of Findings
Verification	BMP-90500	1-13-2022	No deficiency noted
Verification	BMP-90680	2-10-2022	No deficiency noted
Verification	BMP-91106	3-10-2022	No deficiency noted
Verification	BMP-91323	4-7-2022	No deficiency noted
Verification	BMP-91928	5-5-2022	No deficiency noted
Verification	BMP-92375	6-2-2022	No deficiency noted
Verification	BMP-92748	6-30-2022	No deficiency noted
Verification	BMP-93568	7-27-2022	No deficiency noted

Consent Order field activities in support of the TA-21 D&D and Cleanup Campaign began in 2019 in all areas of TA-21. Field activities were stopped in March 2020 because the investigation encountered higher than expected levels of contamination during D&D activities of building 21-257. Because of these conditions, the campaign is undergoing a reevaluation of the hazard category and safety basis determination associated with remaining D&D activities. Field activities relating to removal of utilities resumed in the spring of 2021; however, the safety basis documentation revisions are ongoing and D&D activities were not resumed in 2021. In 2022, SWPP team members resumed monthly inspections of controls in areas of potential soil disturbance.

## 64.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at DP-SMA-4.

Stormwater monitoring was conducted at DP-SMA-4 under the 2010 IP requirements from March 28 through July 31, 2022, resulting in a monitoring season of 126 days. A total of 3 inspections were performed during the monitoring period and are summarized in Table 64-4, and the location was decommissioned on October 5, 2022. Rain gage RG-TA-53 recorded 11 rain events exceeding 0.1 in. in 24 hours through July 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 64-4 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91684	4-11-2022	No	None	None
SMPLR-91968	7-6-2022	No	6-19-2022 6-25-2022 6-26-2022 6-27-2022 7-1-2022	0.12/0.29 0.21/1.22 0.28/1.26 0.29/0.33 0.3/0.53
SMPLR-95146	10-5-2022	No	7-14-2022 7-20-2022 7-26-2022 7-27-2022 7-30-2022 7-31-2022	0.25/0.29 0.38/0.39 0.84/1.44 0.48/0.54 0.33/0.57 0.39/0.78

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

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

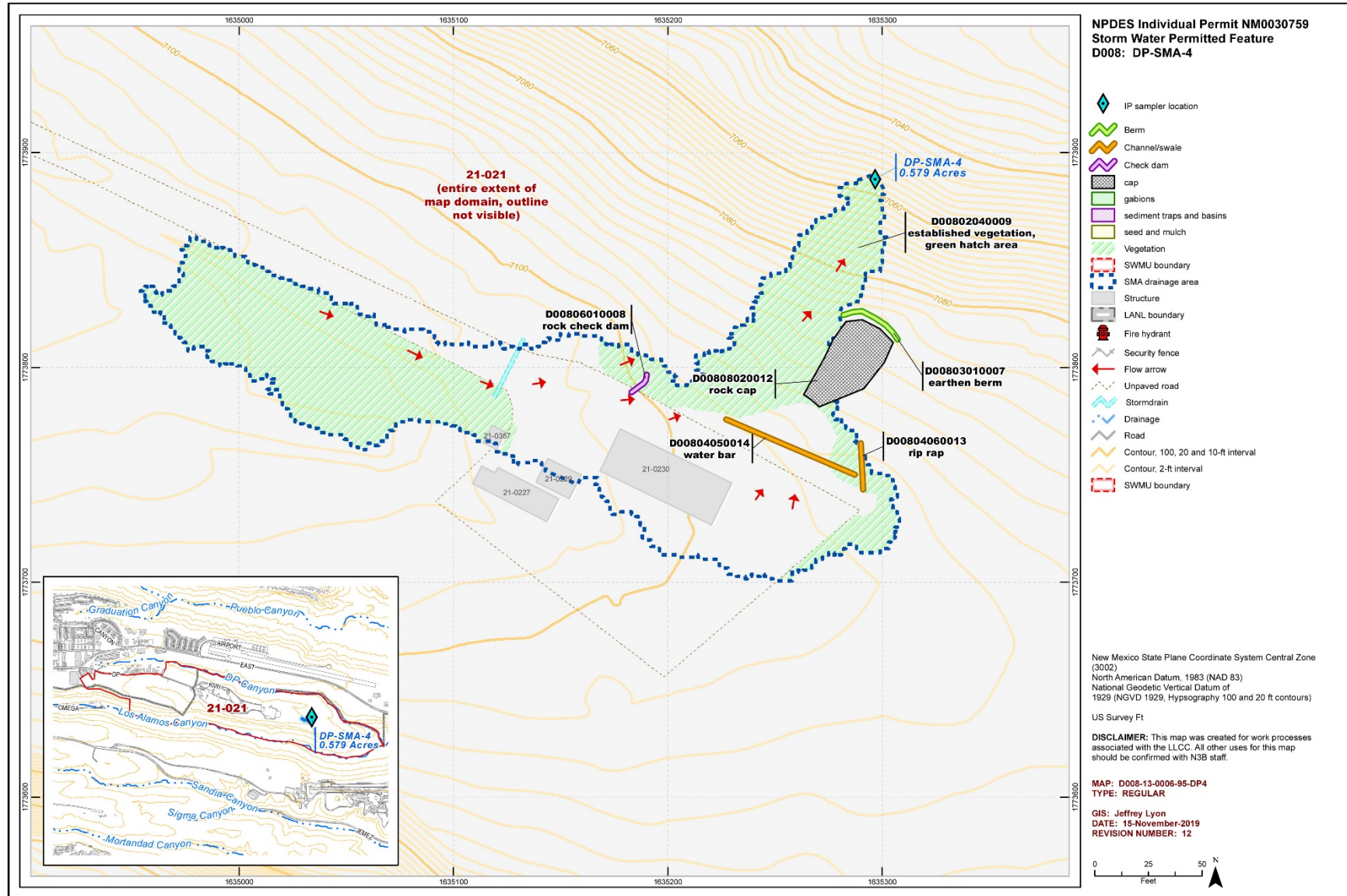


Figure 64-1 DP-SMA-4 location map

## 79.0 S-SMA-4.5: SWMU 20-002(d)

One historical industrial activity area, Site 20-002(d), was associated with S-SMA-4.5 (2010 IP permitted feature S012). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 79.1 Site Descriptions

SWMU 20-002(d) is a former firing point located near a manhole (structure 20-3) in the central part of former TA-20. Fewer than 10 implosion shots were fired near structure 20-3. One of these shots, containing 500 lb of Composition B, did not detonate completely. A 1962 Laboratory memorandum describes two cleanup efforts related to this incident: one conducted immediately after the shot and a second that was part of the 1948 Sandia Canyon cleanup conducted before the construction of East Jemez Road. Other historical documents indicate small pieces of HE were found and removed from this Site at various times, including in July 1966, July 1967, and June 1969. No HE was found during subsequent inspections conducted in April 1971, May 1973, and June 1975.

Phase I Consent Order sampling is complete for SWMU 20-002(d) and the Site was included in the 2021 revision to the “Supplemental Investigation Report for Lower Sandia Canyon Aggregate Area” (N3B 2021, 701448). All detected inorganic and organic chemical concentrations and radionuclide activities from Consent Order samples were below residential SSLs and SWMU 20-002(d) was recommended for corrective action without controls complete. NMED approved the report in August 2021 (NMED 2021, 701567) and a request for a CoC without controls for SWMU 20-002(d) was submitted to NMED in October 2021 (N3B 2021, 701726).

### 79.2 Control Measures

All control measures in use at S-SMA-4.5 under the 2010 Permit are listed in Table 79-1. Their locations are shown on the project map (Figure 79-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 79-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
S01202040007	Established Vegetation	-	X	X	-	B
S01203010005	Earthen Berm	-	X	-	X	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 79.3 Inspections and Maintenance

Rain gage RG203 recorded seven storm events at S-SMA-4.5 through July 31, 2022, requiring three post-storm inspections, which are summarized in Table 79-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 79-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93255 <sup>a,b</sup>	6-25-2022	0.38	6-29-2022	4	Yes
	6-27-2022	0.31		2	Yes
BMP-94106 <sup>b</sup>	7-14-2022	0.29	7-15-2022	1	Yes
BMP-94515 <sup>b</sup>	7-26-2022	0.59	8-10-2022	15	Yes
	7-27-2022	1		14	Yes
	7-30-2022	0.78		11	Yes
	7-31-2022	0.3		10 <sup>c</sup>	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

### 79.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at S-SMA-4.5.

Stormwater monitoring was conducted at S-SMA-4.5 under the 2010 IP requirements from March 18 through July 31, 2022, resulting in a monitoring season of 136 days. A total of 5 inspections were performed during the monitoring period and are summarized in Table 79-3. Rain gage RG203 recorded 15 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 79-3 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91566	4-7-2022	No	None	None
SMPLR-91915	4-29-2022	No	None	None
SMPLR-92257	5-31-2022	No	None	None
SMPLR-92661	6-29-2022	No	6-18-2022	0.1/0.21
			6-19-2022	0.11/0.35
			6-21-2022	0.1/0.18
			6-22-2022	0.1/0.67
			6-25-2022	0.38/1.65
			6-26-2022	0.19/1.33
			6-27-2022	0.31/0.37

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-93509	8-10-2022	no	7-1-2022	0.24/0.59
			7-4-2022	0.1/0.18
			7-14-2022	0.29/0.3
			7-20-2022	0.14/0.26
			7-26-2022	0.59/1.19
			7-27-2022	1/1.15
			7-30-2022	0.78/1.25
			7-31-2022	0.3/0.59

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

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



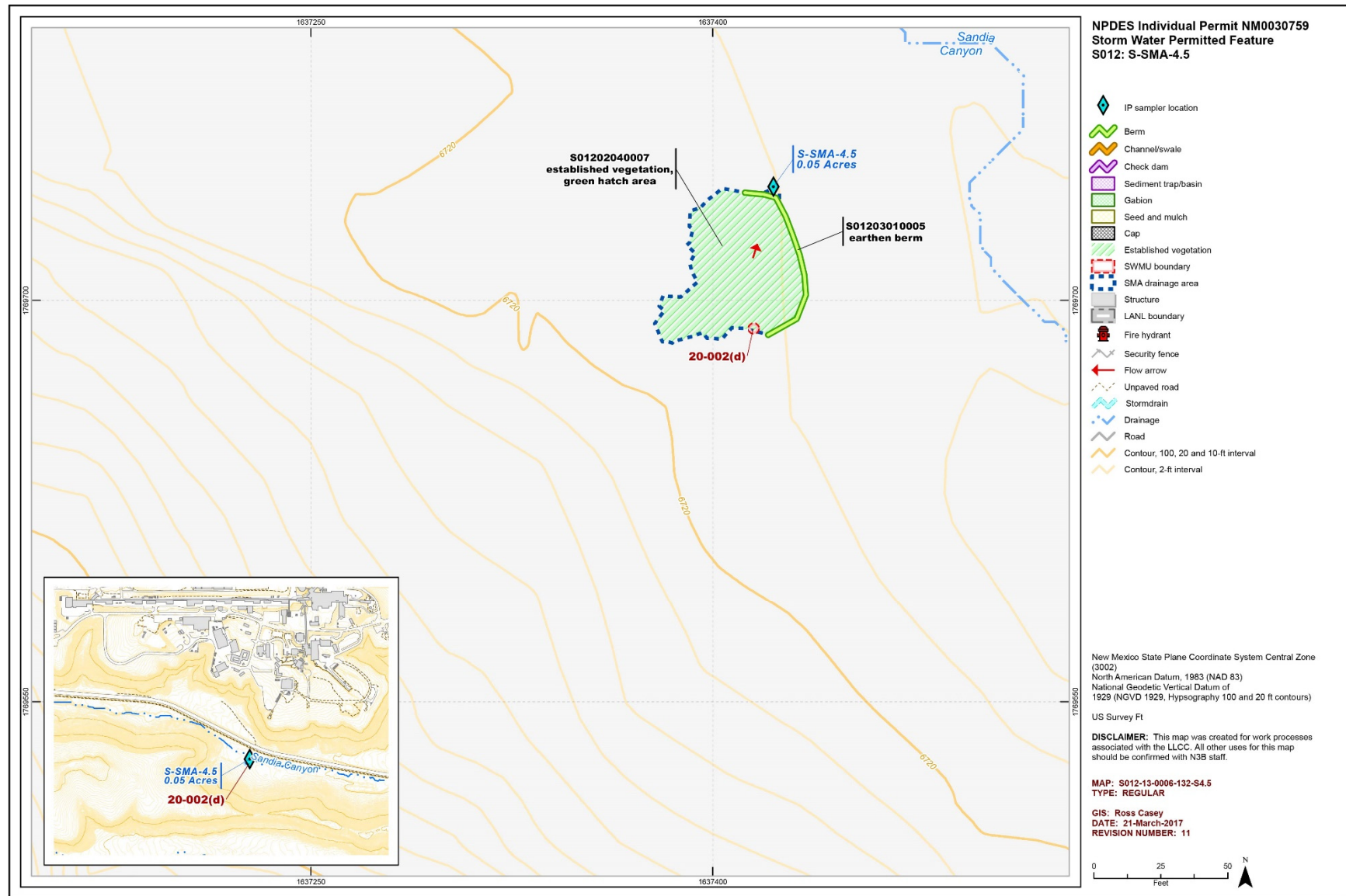


Figure 79-1 S-SMA-4.5 location map

## **89.0 CDB-SMA-1.35: SWMUs 46-004(a2), 46-004(u), 46-004(v), 46-004(x), 46-006(d), and 46-008(f)**

Six historical industrial activity areas, Sites 46-004(a2), 46-004(u), 46-004(v), 46-004(x), 46-006(d), and 46-008(f), were associated with CDB-SMA-1.35 (2010 IP permitted feature C006). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the SMA is no longer monitored under the IP.

### **89.1 Site Descriptions**

SWMU 46-004(a2) is an inactive outfall located on the east side of building 46-31 at TA-46. The outfall discharged to a shallow ditch on the east side of building 46-31, which traversed approximately 50 ft north to a storm drain culvert discharging into Cañada del Buey. The outfall received effluent from a 6-in.-diameter industrial drainline that was historically plumbed to the sinks and drains in rooms 101, 103, and 105 of building 46-31. Building 46-31 housed test cells with electrical furnaces for thermal testing of graphite and uranium-235/uranium-238 fuel rods in support of the Rover Program. Welding experiments involving thorium were also conducted in building 46-31. By 1994, the outfall pipe was plugged, and all drains leading to the outfall were either removed from service or rerouted to the SWSC plant at TA-46.

Phase I Consent Order sampling is complete for SWMU 46-004(a2) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). SWMU 46-004(a2) was recommended for corrective action complete without controls. NMED approved the report in March 2021 (NMED 2021, 701289) and a request for a CoC without controls for SWMU 46-004(a2) was submitted to NMED in April 2021 (DOE 2021, 701402).

SWMU 46-004(u) is an inactive outfall located approximately 10 ft north of former building 46-87 at TA-46. The outfall consisted of an 8-in.-diameter cast-iron pipe that discharged into Cañada del Buey. This pipe was the overflow pipe for a concrete wet well located in former building 46-87. The wet well was designed as a holding pit for deionized water and historically received effluent from a closed-loop cooling water system serving buildings 46-16, 46-25, and 46-31. The wet well also received effluent from sink drains in building 46-25, which was a battery storage facility also used for small-scale painting activities in support of the Rover Program. Building 46-87 was the pump house for an adjacent cooling tower (former building 46-86) that housed two wet well systems and mechanical equipment associated with the cooling tower. Building 46-87 also stored water-treatment chemicals. Building 46-87 underwent D&D in December 2001. By the early 1990s, the outfall had been plugged, and effluent discharged to the wet well was periodically pumped out and disposed of at the SWSC plant in TA-46. By 1998, the building 46-25 drains that discharged to the wet well were removed from service.

Phase I Consent Order sampling is complete at SWMU 46-004(u) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). SWMU 46-004(u) was recommended for additional sampling and analysis to define the nature or extent of contamination for one or more COPCs. NMED approved the report in March 2021 (NMED 2021, 701289) and a Phase II investigation work plan is being prepared.

SWMU 46-004(v) is an inactive outfall located approximately 20 ft north of former building 46-87 at TA-46. The outfall consists of a 6-in.-diameter cast-iron pipe that discharged effluent from the roof and floor drains of former building 46-87 into Cañada del Buey. Building 46-87 was the pump house for an



adjacent cooling tower (former building 46-86) that housed two wet well systems and mechanical equipment associated with the cooling tower. This building was also used to store water-treatment chemicals. By the early 1990s, the floor drains in former building 46-87 had been plugged, and the outfall received only discharges from the roof drains. Building 46-87 underwent D&D in December 2001.

Phase I Consent Order sampling is complete for SWMU 46-004(v) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). SWMU 46-004(v) was recommended for corrective action complete without controls. NMED approved the report in March 2021 (NMED 2021, 701289) and a request for a CoC without controls for SWMU 46-004(v) was submitted to NMED in April 2021 (DOE 2021, 701402).

SWMU 46-004(x) is an outfall located approximately 30 ft north of building 46-31 at TA-46. The outfall consists of a 6-in.-diameter pipe that receives effluent from roof drains in building 46-31. The outfall pipe extends approximately 1 ft beyond the steep canyon slope and discharges to a 1-ft- to 2-ft-wide drainage that stretches to the toe of the slope of Cañada del Buey. Building 46-31 housed test cells with electrical furnaces for thermal testing of graphite and uranium-235/uranium-238 fuel rods in support of the Rover Program. Welding experiments involving thorium were also conducted in building 46-31.

Phase I Consent Order sampling is complete for SWMU 46-004(x) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). SWMU 46-004(x) was recommended for corrective action complete without controls. NMED approved the report in March 2021 (NMED 2021, 701289) and a request for a CoC without controls for SWMU 46-004(x) was submitted to NMED in April 2021 (DOE 2021, 701402).

SWMU 46-006(d) is an area of potential soil contamination located on the north side of building 46-31 at TA-46. The area is approximately 50 ft × 300 ft, is paved with asphalt, and is level near building 46-31 but drops steeply towards the northern perimeter fence of TA-46 and into Cañada del Buey. Oils and possibly other materials spilled in the area. Engineering drawings show that a drain from room 111A also discharged to this SWMU. During a 1986 site visit, 55-gal. drums, cans, rusty chemical storage containers, and a thick layer of oil were observed on the northern slope of the Site.

Phase I Consent Order sampling is complete for SWMU 46-006(d) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). Sampling for TPH-DRO at this Site was recommended. NMED approved the report in March 2021 (NMED 2021, 701289) and a Phase II investigation work plan is being prepared.

SWMU 46-008(f) is a paved storage area located next to the southeast corner of building 46-31 at TA-46. During a 1986 site visit, four drums of oil, which could have been product or waste oil, were observed at this location. The storage area has not been used since 1992.

Phase I Consent Order sampling is complete for SWMU 46-008(f) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). SWMU 46-008(f) was recommended for corrective action complete without controls. NMED approved the report in March 2021 (NMED 2021, 701289) and a request for a CoC without controls for SWMU 46-008(f) was submitted to NMED in April 2021 (DOE 2021, 701402).

## 89.2 Control Measures

All control measures in use at CDB-SMA-1.35 under the 2010 Permit are listed in Table 89-1. Their locations are shown on the project map (Figure 89-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 89-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
C00602040010	Established Vegetation	-	X	X	-	B
C00603010006	Earthen Berm	-	X	-	X	CB
C00604060009	Rip Rap	X	-	X	-	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

## 89.3 Inspections and Maintenance

RG245.5 recorded four storm events at CDB-SMA-1.35 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 89-2. Maintenance activities conducted at the SMA are summarized in Table 89-3. No other control measure inspections or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 89-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93096 <sup>a</sup>	6-25-2022	0.33	7-7-2022	12	Yes
BMP-94464 <sup>b</sup>	7-26-2022	0.29	8-10-2022	15	Yes
	7-27-2022	0.74		14	Yes
	7-30-2022	0.58		11	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

**Table 89-3 Maintenance Activities Conducted During 2022**

Maintenance Reference	Maintenance Conducted	Maintenance Date	Response Time	Response Discussion
BMP-93096	Removed needlecast debris from Culvert C00604060009 inlet at inspection.	7-7-2022	0 days	Maintenance was conducted as soon as practicable.

## 89.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at CDB-SMA-1.35.

Stormwater monitoring was conducted at CDB-SMA-1.35 under the 2010 IP requirements from March 31 through July 31, 2022, resulting in a monitoring season of 123 days. A total of 4 inspections were performed during the monitoring period and are summarized in Table 89-4. Rain gage RG245.5

recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 89-4 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91750	5-2-2022	No	None	None
SMPLR-92269	6-7-2022	No	None	None
SMPLR-92763	6-29-2022	No	6-18-2022 6-22-2022 6-25-2022 6-26-2022	0.1/0.21 0.12/0.63 0.33/1.54 0.14/1.15
SMPLR-93515	8-15-2022	No	7-1-2022 7-4-2022 7-14-2022 7-20-2022 7-26-2022 7-27-2022 7-30-2022 7-31-2022	0.16/0.4 0.23/0.38 0.19/0.2 0.19/0.21 0.29/0.62 0.74/0.93 0.58/0.91 0.14/0.32

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

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





## 90.0 CDB-SMA-1.54: SWMUs 46-004(h), 46-004(q), and 46-006(d)

Three historical industrial activity areas, Sites 46-004(h), 46-004(q), and 46-006(d), were associated with CDB-SMA-1.54 (2010 IP permitted feature C007). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the SMA is no longer monitored under the IP.

### 90.1 Site Descriptions

SWMU 46-004(h) consists of an area of potential soil contamination associated with the deposition of contaminants present in exhaust emissions from stacks on building 46-16 and an inactive outfall from an industrial drainline in building 46-16 at TA-46. Work in building 46-16 that generated exhaust emissions involved experiments conducted with uranium-loaded graphite and tests of uranium fuel rods as part of the Rover Program between the late 1950s and early 1970s. The outfall component of SWMU 46-004(h) consists of an inactive 6-in.-diameter cast-iron pipe that received effluent from building floor drains and discharged to an outfall north of building 46-16 into Upper Cañada del Buey. In 1995, floor drains that discharged to this outfall either were removed from service or were rerouted to the SWSC plant.

Phase I Consent Order sampling is complete for SWMU 46-004(h) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). Sampling for VOCs and pesticides at this Site was recommended. NMED approved the report in March 2021 (NMED 2021, 701289) and a Phase II investigation work plan is being prepared.

SWMU 46-004(q) is an inactive outfall located approximately 40 ft north of building 46-58 at TA-46. The outfall consists of a 6-in.-diameter cast-iron pipe that discharged into Upper Cañada del Buey. The source of the discharge to the outfall is not known.

Phase I Consent Order sampling is complete for SWMU 46-004(q) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). SWMU 46-004(q) was recommended to be remediated. Approximately 2.75 yd<sup>3</sup> of mercury-contaminated soil above industrial SSLs was removed in 2018. Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). NMED approved the report in March 2021 (NMED 2021, 701289) and a Phase II investigation work plan is being prepared.

SWMU 46-006(d) is an area of potential soil contamination located on the north side of building 46-31 at TA-46. The area is approximately 50 ft × 300 ft, is paved with asphalt, and is level near building 46-31 but drops steeply towards the northern perimeter fence of TA-46 and into Cañada del Buey. Oils and possibly other materials spilled in the area. Engineering drawings show that a drain from room 111A also discharged to this SWMU. During a 1986 site visit, 55-gal. drums, cans, rusty chemical storage containers, and a thick layer of oil were observed on the northern slope of the Site.

Phase I Consent Order sampling is complete for SWMU 46-006(d) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). Sampling for TPH-DRO at this Site was recommended. NMED approved the report in March 2021 (NMED 2021, 701289) and a Phase II investigation work plan is being prepared.

## 90.2 Control Measures

All control measures in use at CDB-SMA-1.54 under the 2010 Permit are listed in Table 90-1. Their locations are shown on the project map (Figure 90-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 90-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
C00702040020	Established Vegetation	-	X	X	-	B
C00703010007	Earthen Berm	-	X	-	X	CB
C00703010008	Earthen Berm	-	X	-	X	CB
C00703010009	Earthen Berm	X	-	-	X	CB
C00703010019	Earthen Berm	-	X	-	X	B
C00703140025	Coir Log	-	X	-	X	B
C00703140026	Coir Log	-	X	-	X	B
C00704050021	Water Bar	-	-	X	-	B

CB: Certified baseline control measure.

B: Additional baseline control measure.

## 90.3 Inspections and Maintenance

RG245.5 recorded four storm events at CDB-SMA-1.54 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 90-2. Maintenance activities conducted at the SMA are summarized in Table 90-3. No other control measure inspections or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 90-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93099 <sup>a</sup>	6-25-2022	0.33	7-6-2022	11	Yes
BMP-94468 <sup>b</sup>	7-26-2022	0.29	8-10-2022	15	Yes
	7-27-2022	0.74		14	Yes
	7-30-2022	0.58		11	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

**Table 90-3 Maintenance Activities Conducted During 2022**

Maintenance Reference	Maintenance Conducted	Maintenance Date	Response Time	Response Discussion
BMP-94027 (follow-up to BMP-93099)	Patched north end of Earthen Berm C00703010007.	8-10-2022	35 days	Maintenance was delayed. Earthen Berm C007030100019 acted as a backup control in interim.
BMP-94468	Built up spillways of Earthen Berm C00703010008 and Earthen Berm C00703010009 at inspection.	8-10-2022	0 days	Maintenance was conducted as soon as practicable.

## 90.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at CDB-SMA-1.54.

Stormwater monitoring was conducted at CDB-SMA-1.54 under the 2010 IP requirements from March 31 through July 31, 2022, resulting in a monitoring season of 123 days. A total of 5 inspections were performed during the monitoring period and are summarized in Table 90-4. Rain gage RG245.5 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. A sample of insufficient volume for analysis under the 2010 IP requirements was collected on July, 27, 2022.

**Table 90-4 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91752	4-1-2022	No	None	None
SMPLR-91769	5-2-2022	No	None	None
SMPLR-92271	6-7-2022	No	None	None
SMPLR-92765	6-29-2022	No	6-18-2022 6-22-2022 6-25-2022 6-26-2022	0.1/0.21 0.12/0.63 0.33/1.54 0.14/1.15
SMPLR-93516	7-28-2022	No	7-1-2022 7-4-2022 7-14-2022 7-20-2022 7-26-2022 7-27-2022 7-30-2022 7-31-2022	0.16/0.4 0.23/0.38 0.19/0.2 0.19/0.21 0.29/0.62 0.74/0.93 0.58/0.91 0.14/0.32

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

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

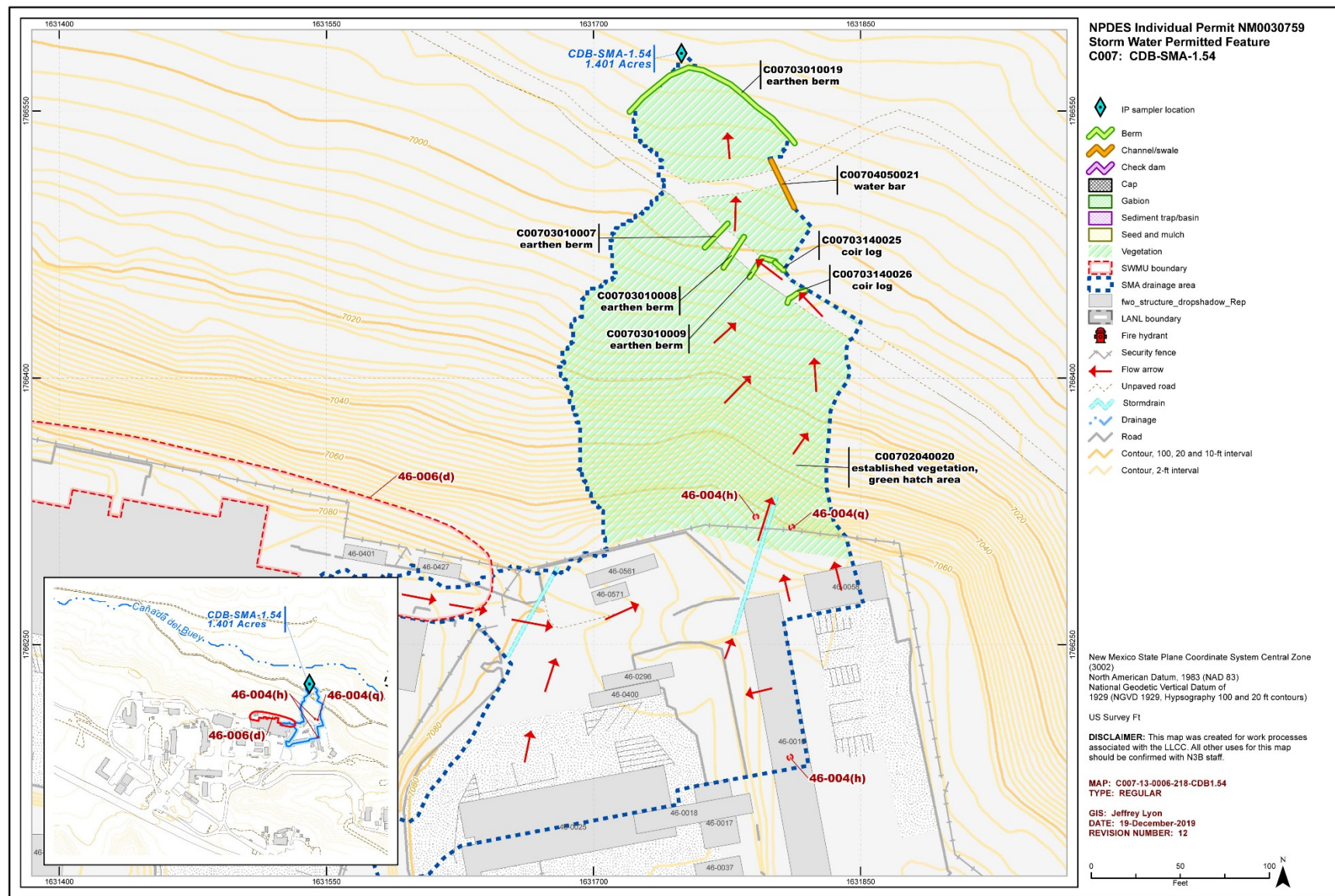


Figure 90-1 CDB-SMA-1.54 location map



## 91.0 CDB-SMA-1.55: SWMU 46-003(e)

One historical industrial activity area, Site 46-003(e), was associated with CDB-SMA-1.55 (2010 IP permitted feature C008). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the SMA is no longer monitored under the IP.

### 91.1 Site Descriptions

SWMU 46-003(e) is an inactive septic system consisting of a septic tank (structure 46-66), a siphon tank (structure 46-67), a distribution box (structure 46-68), and a drain field located approximately 20 ft east of building 46-58 outside the TA-46 perimeter fence. Septic tank 46-66 was installed in 1960 and served the restroom facility, shower, water cooler, janitorial sink, and mechanical room floor drain in building 46-58, which contained office space, a laboratory, a machine shop, and an equipment room. The septic system was removed from service in approximately 1972 to 1973, and its drainline was rerouted to the SWMU 46-002 surface impoundment system. Septic tank 46-66 was reportedly emptied, filled, and left in place. During the preparation of the 1993 RFI work plan for Operable Unit 1140 (LANL 1993, 020952), a distribution box was found on the ground surface in Upper Cañada del Buey near the location of SWMU 46-003(e). The box was determined to be the SWMU 46-003(e) septic system distribution box, presumably moved to that location during the early 1970s construction of the SWMU 46-002 surface impoundment system. Swipe samples collected and analyzed for radioactivity at the time of discovery detected no radioactivity above instrument background. No indications of staining or sediment deposits were observed on the box; the distribution box was subsequently removed. During the 2010 investigation, the SWMU 46-003(e) septic tank was found to contain sludge and a water layer. This waste was likely placed in the septic tank after the system was removed from service because the inlet and outlet lines were plugged. The water layer, sludge, and septic tank were removed and managed as LLW at Area G in TA-54.

Phase I Consent Order sampling is complete for SWMU 46-003(e) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). SWMU 46-003(e) was recommended for corrective action complete without controls. NMED approved the report in March 2021 (NMED 2021, 701289) and a request for a CoC without controls for SWMU 46-003(e) was submitted to NMED in April 2021 (DOE 2021, 701402).

### 91.2 Control Measures

All control measures in use at CDB-SMA-1.55 under the 2010 Permit are listed in Table 91-1. Their locations are shown on the project map (Figure 91-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 91-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
C00802040012	Established Vegetation	-	X	X	-	B
C00803010010	Earthen Berm	-	X	-	X	CB
C00803120009	Rock Berm	X	-	-	X	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 91.3 Inspections and Maintenance

RG245.5 recorded four storm events at CDB-SMA-1.55 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 91-2. Maintenance activities conducted at the SMA are summarized in Table 91-3. No other control measure inspections or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 91-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93097 <sup>a</sup>	6-25-2022	0.33	7-1-2022	6	Yes
BMP-94465 <sup>b</sup>	7-26-2022	0.29	8-4-2022	9	Yes
	7-27-2022	0.74		8	Yes
	7-30-2022	0.58		5	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

**Table 91-3 Maintenance Activities Conducted During 2022**

Maintenance Reference	Maintenance Conducted	Maintenance Date	Response Time	Response Discussion
BMP-94465	Built up Rock Berm C00803120009 at inspection.	8-4-2022	0 days	Maintenance was conducted as soon as practicable.

### 91.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at CDB-SMA-1.55.

Stormwater monitoring was conducted at CDB-SMA-1.55 under the 2010 IP requirements from April 1 through July 31, 2022, resulting in a monitoring season of 122 days. A total of 4 inspections were performed during the monitoring period and are summarized in Table 91-4 and the sampler was decommissioned on October 4, 2022. Rain gage RG245.5 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 91-4 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91783	4-28-2022	No	None	None
SMPLR-92245	5-23-2022	No	None	None
SMPLR-92612	7-1-2022	No	6-18-2022 6-22-2022 6-25-2022 6-26-2022	0.1/0.21 0.12/0.63 0.33/1.54 0.14/1.15
SMPLR-93608	7-28-2022	No	7-1-2022 7-4-2022 7-14-2022 7-20-2022 7-26-2022 7-27-2022	0.16/0.4 0.23/0.38 0.19/0.2 0.19/0.21 0.29/0.62 0.74/0.93
SMPLR-95144	10-4-2022	No	7-30-2022 7-31-2022	0.58/0.91 0.14/0.32

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

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

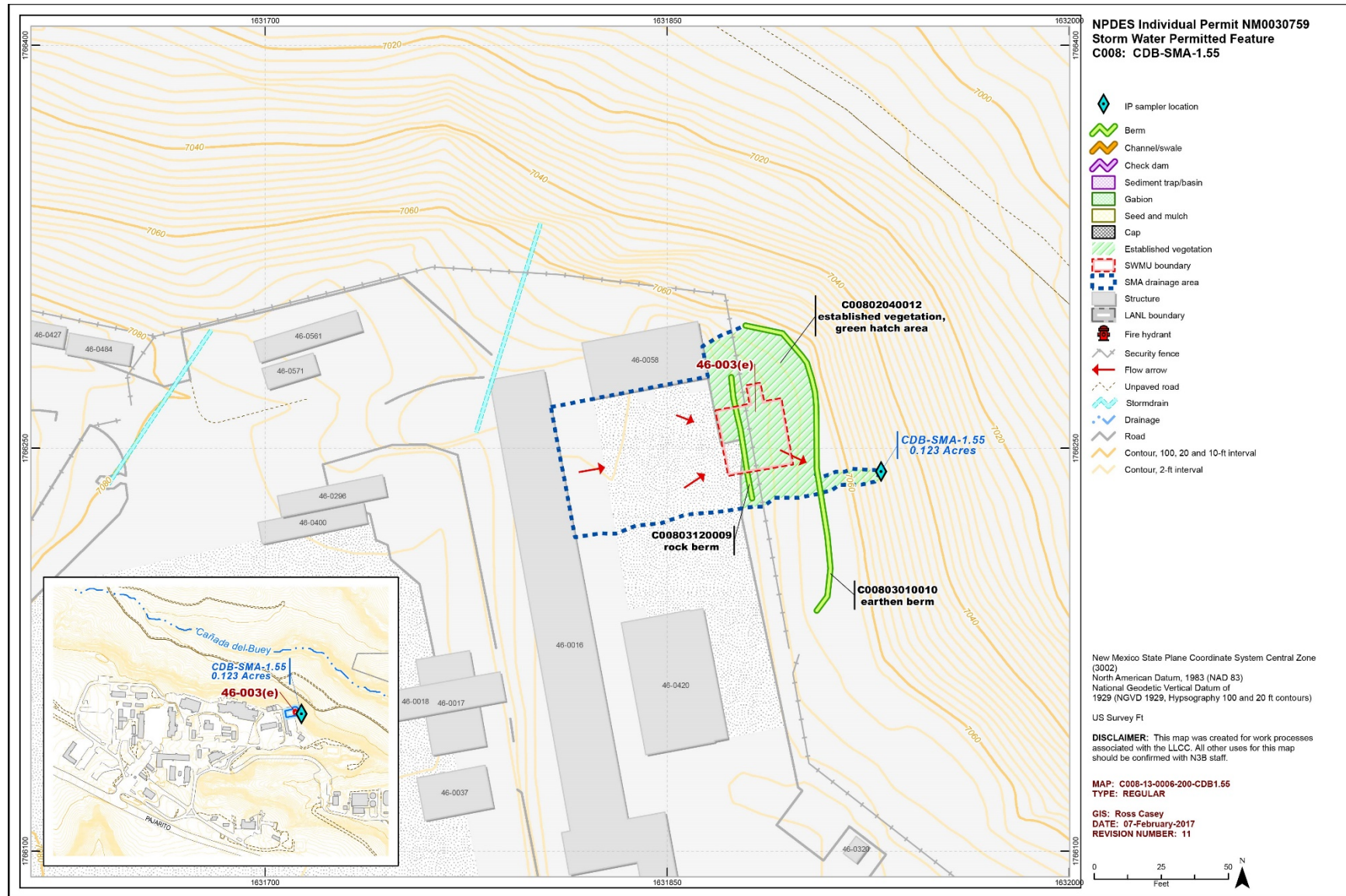


Figure 91-1 CDB-SMA-1.55 location map

## 92.0 CDB-SMA-1.65: SWMU 46-003(b)

One historical industrial activity area, Site 46-003(b), was associated with CDB-SMA-1.65 (2010 IP permitted feature C009). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the SMA is no longer monitored under the IP.

### 92.1 Site Descriptions

SWMU 46-003(b) is an inactive septic system approximately 60 ft southwest of building 46-77 at TA-46. The septic system consisted of a septic tank (structure 46-22), a distribution box (structure 46-29), associated inlet and outlet drainlines, and a drain field located approximately 50 ft south of building 46-77. This septic system was installed in 1956 and served the restroom facilities in building 46-17, which housed a generator that charged batteries for the Rover Program. The septic system was removed from service in 1973, and drainlines that discharged to SWMU 46-003(b) were rerouted to the SWMU 46-002 surface impoundment system. Septic tank 46-22 was reportedly emptied, backfilled, and left in place. The drainlines that previously served this septic system were rerouted to the SWSC plant in the early 1990s and are currently active. Although the geophysical survey conducted during the 2010 Phase I Consent Order investigation noted a feature that could be associated with an abandoned septic tank, the tank was not located, indicating it had been removed previously.

Phase I Consent Order sampling is complete for SWMU 46-003(b) and the Site was included in the 2016 Supplemental Investigation Report for Upper Cañada del Buey Aggregate Area (LANL 2016, 601745). Revision 1 of the report was submitted to NMED in September 2020 (N3B 2020, 701038). All detected constituents in Consent Order samples were below residential SSLs. SWMU 46-003(b) was recommended for corrective action complete without controls. NMED approved the report in March 2021 (NMED 2021, 701289) and a request for a CoC without controls for SWMU 46-003(b) was submitted to NMED in April 2021 (DOE 2021, 701402).

### 92.2 Control Measures

All control measures in use at CDB-SMA-1.65 under the 2010 Permit are listed in Table 92-1. Their locations are shown on the project map (Figure 92-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 92-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
C00903010004	Earthen Berm	-	X	-	X	B
C00904060001	Rip Rap	X	-	X	-	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.



## 92.3 Inspections and Maintenance

RG245.5 recorded four storm events at CDB-SMA-1.65 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 92-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 92-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93098 <sup>a</sup>	6-25-2022	0.33	7-1-2022	6	Yes
BMP-94466 <sup>b</sup>	7-26-2022	0.29	8-4-2022	9	Yes
	7-27-2022	0.74		8	Yes
	7-30-2022	0.58		5	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

## 92.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at CDB-SMA-1.65.

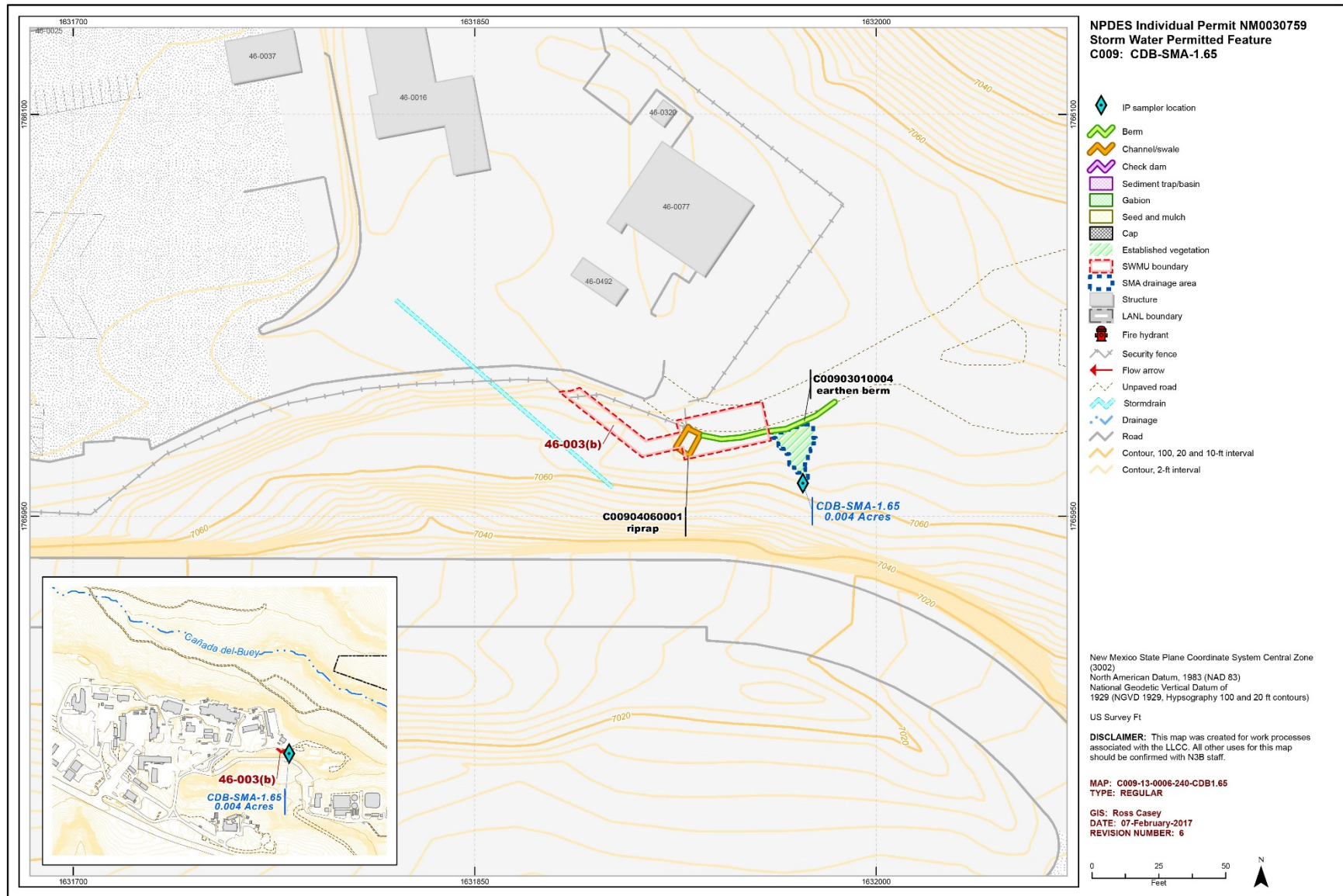
Stormwater monitoring was conducted at CDB-SMA-1.65 under the 2010 IP requirements from April 1 through July 31, 2022, resulting in a monitoring season of 122 days. Four inspections were performed during the monitoring period and are summarized in Table 92-3, and the sampling location was decommissioned on October 4, 2022. Rain gage RG245.5 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 92-3 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91782	4-28-2022	No	None	None
SMPLR-92244	5-23-2022	No	None	None
SMPLR-92611	7-1-2022	No	6-18-2022 6-22-2022 6-25-2022 6-26-2022	0.1/0.21 0.12/0.63 0.33/1.54 0.14/1.15
SMPLR-93607	7-28-2022	No	7-1-2022 7-4-2022 7-14-2022 7-20-2022 7-26-2022 7-27-2022	0.16/0.4 0.23/0.38 0.19/0.2 0.19/0.21 0.29/0.62 0.74/0.93
SMPLR-95145	10-4-2022	No	7-30-2022 7-31-2022	0.58/0.91 0.14/0.32

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

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



**Figure 92-1 CDB-SMA-1.65 location map**

## 106.0 M-SMA-9.1: AOC 35-016(f)

One historical industrial activity area, Site 35-016(f), was associated with M-SMA-9.1 (2010 IP permitted feature M011). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 106.1 Site Descriptions

AOC 35-016(f) is an active storm drain located north of the Chemical Laser Facility (building 35-85) on the west half of the TA-35 mesa. The outfall consists of an 18-in.-diameter CMP that discharges into a small channel cut into backfill material on the south slope of Mortandad Canyon. Documented releases consisting of oil spills reportedly occurred near the source areas for the storm drain. The volume of the spills is not documented.

Decision-level data for AOC 35-016(f) consist of the results from sampling campaigns conducted in 1995 and 2004. The approved investigation report concluded the nature and extent of all detected chemicals and radionuclides are defined at AOC 35-016(f) (LANL 2008, 102187; NMED 2008, 101115). Based on the human health risk-screening assessment results, no potential unacceptable risks or doses from COPCs exist for the residential scenario at AOC 35-016(f), and no potential ecological risk was found for any receptor. A COC was requested from NMED in August 2011 (LANL 2011, 205997). NMED granted the Site a CoC without controls on October 14, 2015 (NMED 2015, 600985).

### 106.2 Control Measures

All control measures in use at M-SMA-9.1 under the 2010 Permit are listed in Table 106-1. Their locations are shown on the project map (Figure 106-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 106-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
M01101020001	Seed and Gravel Mulch	X	-	X	-	CB
M01102040007	Established Vegetation	-	X	X	-	B
M01103120008	Rock Berm	X	-	-	X	B
M01106010005	Rock Check Dam	-	X	-	X	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 106.3 Inspections and Maintenance

Rain gage RG200.5 recorded seven storm events at M-SMA-9.1 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 106-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.



**Table 106-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93172 <sup>a,b</sup>	6-25-2022	0.31	7-8-2022	13	Yes
	6-27-2022	0.43		11	Yes
BMP-94472 <sup>b</sup>	7-20-2022	0.36	8-1-2022	12	Yes
	7-21-2022	0.3		11	Yes
	7-27-2022	0.98		5	Yes
	7-30-2022	0.74		2	Yes
	7-31-2022	0.26		1	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

### 106.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at M-SMA-9.1.

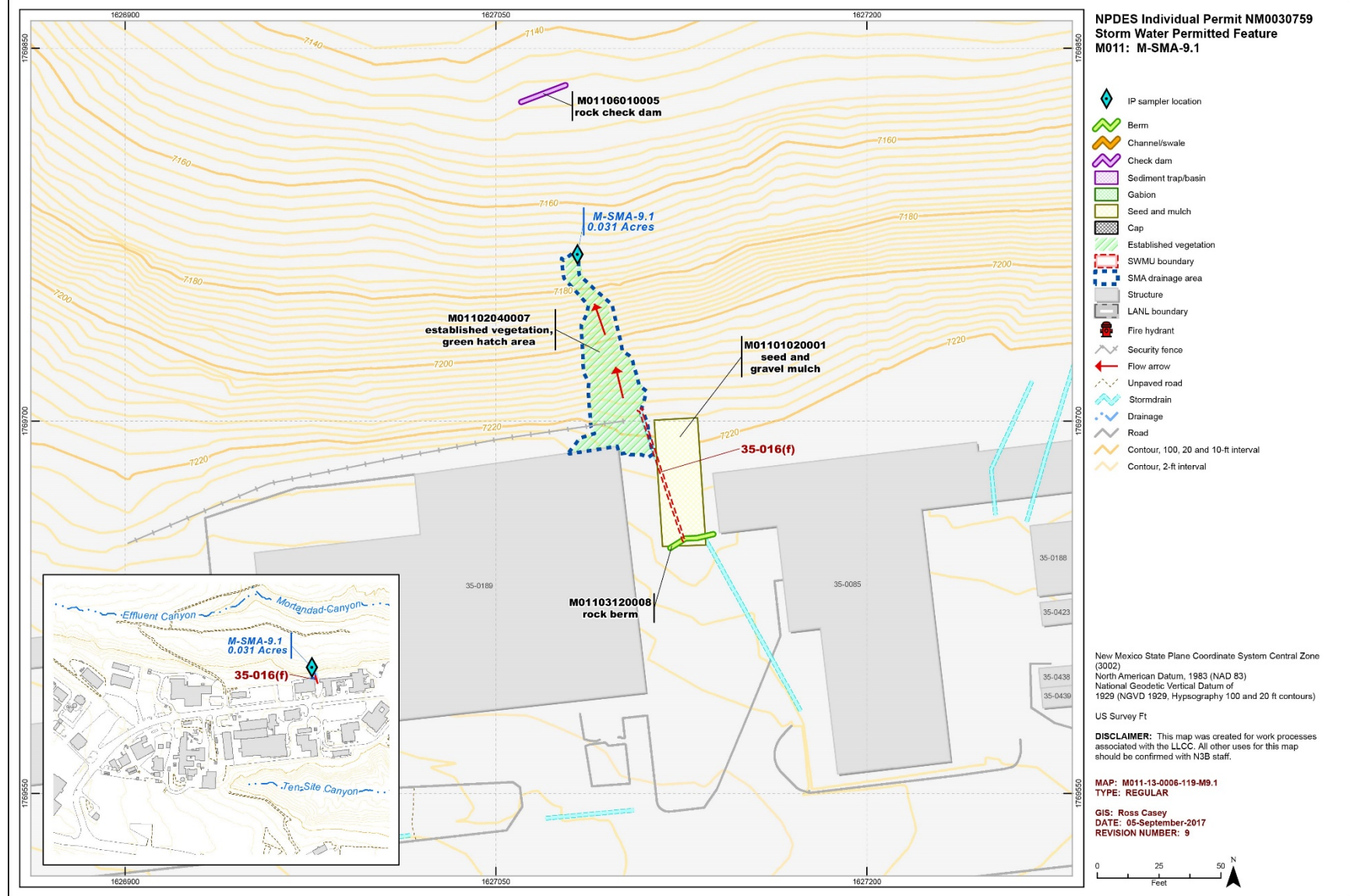
Stormwater monitoring was conducted at M-SMA-9.1 under the 2010 IP requirements from March 25 through July 31, 2022, resulting in a monitoring season of 131 days. A total of 3 inspections were performed during the monitoring period and are summarized in Table 106-3 and the location was decommissioned on October 31, 2022. Rain gage RG200.5 recorded 13 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 106-3 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91670	4-18-2022	No	None	None
SMPLR-92058	6-29-2022	No	6-19-2022	0.24/0.74
			6-22-2022	0.1/0.71
			6-25-2022	0.31/1.38
			6-26-2022	0.18/1.34
			6-27-2022	0.43/0.48
SMPLR-93506	8-12-2022	No	7-1-2022	0.19/0.19
			7-14-2022	0.14/0.15
			7-20-2022	0.36/0.44
			7-21-2022	0.3/0.4
			7-27-2022	0.98/1.11
			7-29-2022	0.11/0.19
			7-30-2022	0.74/1.56
			7-31-2022	0.26/0.67

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

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



**Figure 106-1 M-SMA-9.1 location map**

## 163.0 PJ-SMA-13: SWMU 18-002(a)

One historical industrial activity area, Site 18-002(a), was associated with PJ-SMA-13 (2010 IP permitted feature J015). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 163.1 Site Descriptions

SWMU 18-002(a) consists of an inactive HE firing site at TA-18 in Pajarito Canyon south of the present location of building 18-23 (Kiva 1). The firing site was used from 1944 to 1945 and consisted of two structures: former structure 18-3, a firing chamber 2 ft wide × 2 ft long × 2.2 ft deep constructed from 1-in.-thick steel, and former structure 18-2, an aboveground armored bunker, commonly called a “battleship,” used to protect shot instrumentation. The firing chamber was open on the top and set flush with the ground west of the bunker, which was designated as storage for HE in the historical TA-18 structure log. Structure 18-3 was removed in 1945, and structure 18-2 is no longer in use.

SWMU 18-002(a) is included in the Consent Order as part of the Lower Pajarito Canyon Aggregate Area. Consent Order investigations for this aggregate area have not yet begun. The investigation work plan for Lower Pajarito Canyon Aggregate Area was approved in December 2010 (LANL 2010, 111328; NMED 2010, 111461). Decision-level data are not available for SWMU 18-002(a).

### 163.2 Control Measures

All control measures in use at PJ-SMA-13 under the 2010 Permit are listed in Table 163-1. Their locations are shown on the project map (Figure 163-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 163-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
J01502040005	Established Vegetation	-	X	X	-	B
J01503010003	Earthen Berm	-	X	-	X	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 163.3 Inspections and Maintenance

Rain gage RG245.5 recorded four storm events at PJ-SMA-13 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 163-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 163-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93181 <sup>a</sup>	6-25-2022	0.33	6-30-2022	5	Yes
BMP-94483 <sup>b</sup>	7-26-2022	0.29	8-4-2022	9	Yes
	7-27-2022	0.74		8	Yes
	7-30-2022	0.58		5	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

### 163.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at PJ-SMA-13.

Stormwater monitoring was conducted at PJ-SMA-13 under the 2010 IP requirements from April 1 through July 31, 2022, resulting in a monitoring season of 122 days. A total of 4 inspections were performed during the monitoring period and are summarized in Table 163-3, and the sampling location was decommissioned on December 8, 2022. Rain gage RG245.5 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

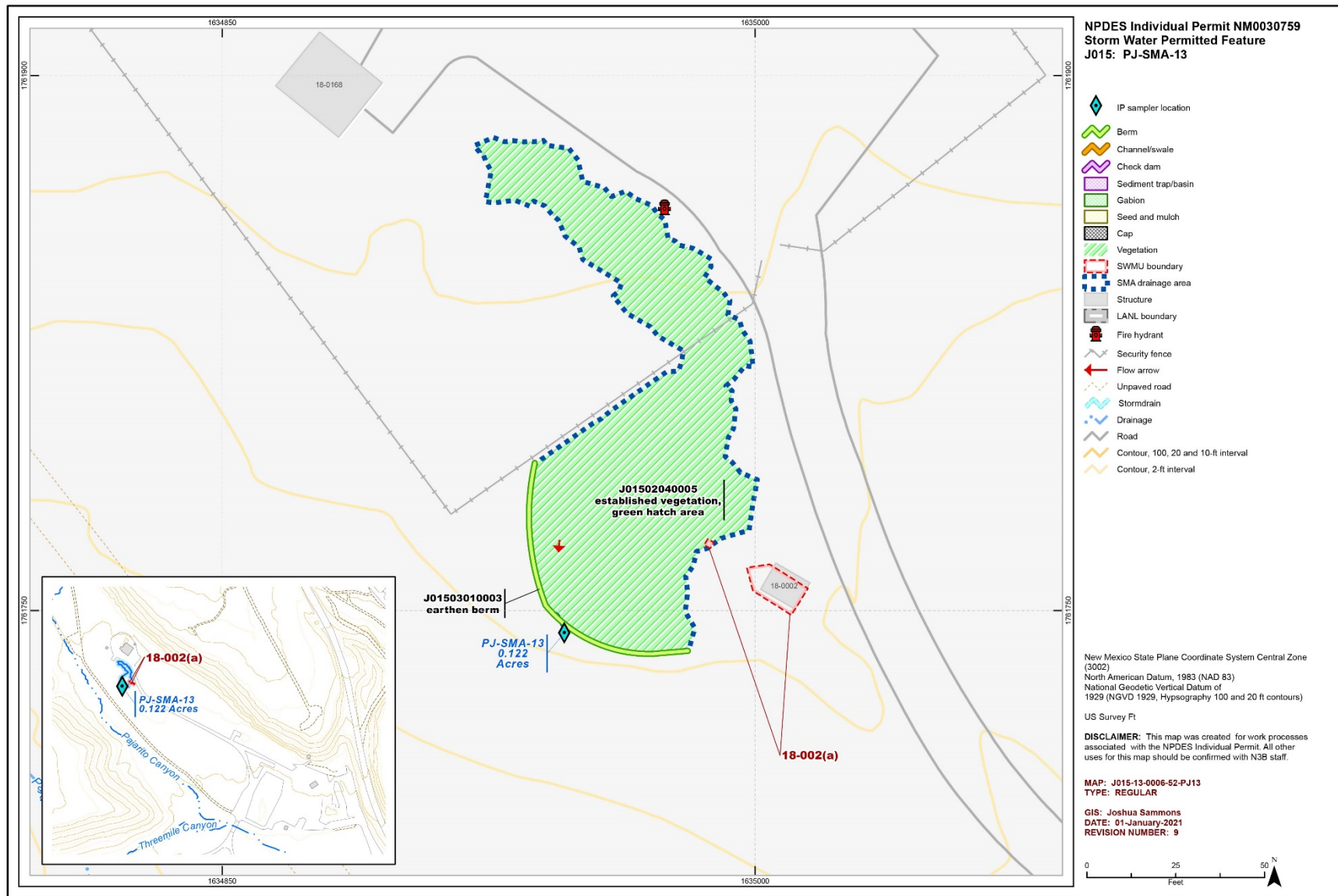
**Table 163-3 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91792	5-2-2022	No	None	None
SMPLR-92272	5-26-2022	No	None	None
SMPLR-92586	6-30-2022	No	6-18-2022	0.1/0.21
			6-22-2022	0.12/0.63
			6-25-2022	0.33/1.54
			6-26-2022	0.14/1.15
SMPLR-93561	8-11-2022	No	7-1-2022	7-1-2022
			7-4-2022	7-4-2022
			7-14-2022	7-14-2022
			7-20-2022	7-20-2022
			7-26-2022	7-26-2022
			7-27-2022	7-27-2022
			7-30-2022	7-30-2022
			7-31-2022	7-31-2022

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

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





**Figure 163-1 PJ-SMA-13 location map**

## 165.0 PJ-SMA-14: SWMU 54-004

One historical industrial activity area, Site 54-004, was associated with PJ-SMA-14 (2010 IP permitted feature J017). Summaries of all inspection, monitoring, and maintenance actions conducted through July 31, 2022, are provided below. Effective August 1, 2022, the Site and SMA are no longer monitored under the IP.

### 165.1 Site Descriptions

SWMU 54-004 (MDA H) is an inactive 0.3-acre landfill on Mesita del Buey in TA-54 consisting of nine inactive shafts used to dispose of Laboratory-generated classified waste such as weapon-component mockup shapes, detonators, papers, and tritium-contaminated items. Material disposed of at MDA H contained residues of DU, fuel elements, residual plutonium, HE, liquids, or gases, and the density of waste materials varied from 5 lb/ft<sup>3</sup> to over 400 lb/ft<sup>3</sup> in the shafts. Each shaft is 6 ft in diameter and 60 ft deep. Placement of all waste in the pit below the original land surface ensured the waste was contained within the disposal pit and prevented exposure to stormwater runoff during the operational life of each pit. The shafts were capped when waste came to within 6 ft of the surface. Shafts 1 through 8 are capped with 3 ft of crushed tuff followed by 3-ft-thick concrete caps; shaft 9 is capped with only a 6-ft-thick layer of concrete. The nine shafts at MDA H were used from 1960 to 1986. One shaft, shaft 9, received hazardous waste after July 26, 1982, and therefore is considered a RCRA-regulated landfill. The surface area of MDA H was covered with clean fill and reseeded.

Investigation sampling is complete for SWMU 54-004. A CME was conducted at MDA H in 2009 and 2010 to evaluate alternatives for preventing future exposure to buried waste. CME results were submitted to NMED in September 2011 (LANL 2011, 206319). In October 2016, DOE withdrew the CME based on a reprioritization of activities planned under the Consent Order (DOE 2016, 601899).

### 165.2 Control Measures

All control measures in use at PJ-SMA-14 under the 2010 Permit are listed in Table 165-1. Their locations are shown on the project map (Figure 165-1) located at the end of this SMA update. The controls were retired and abandoned in place on August 1, 2022.

**Table 165-1 Active Control Measures**

Control ID	Control Name	Purpose of Control				Control Status
		Run-On	Runoff	Erosion	Sediment	
J01701010004	Seed and Wood Mulch	-	-	X	-	CB
J01703010005	Earthen Berm	-	X	-	X	B
J01703010006	Earthen Berm	-	X	-	X	B
J01703020002	Base Course Berm	X	-	-	X	CB
J01703020003	Base Course Berm	-	X	-	X	CB
J01708010001	Earth Cap	-	-	X	-	CB

CB: Certified baseline control measure.

B: Additional baseline control measure.

### 165.3 Inspections and Maintenance

Rain gage RG245.5 recorded four storm events at PJ-SMA-14 through July 31, 2022, requiring two post-storm inspections, which are summarized in Table 165-2. No other control measure inspections, maintenance activities, or facility modifications affecting discharge were conducted at the SMA in 2022.

**Table 165-2 Control Measure Inspections During 2022**

Inspection Type	Storm Date	30-Minute Maximum Intensity (in.)	Inspection Date	Days to Inspection	Inspected within 15 Days?
BMP-93183 <sup>a</sup>	6-25-2022	0.33	6-30-2022	5	Yes
BMP-94517 <sup>b</sup>	7-26-2022	0.29	8-4-2022	9	Yes
	7-27-2022	0.74		8	Yes
	7-30-2022	0.58		5	Yes

<sup>a</sup> Inspection also qualifies as the annual erosion evaluation per 2010 IP Part I.G.1.

<sup>b</sup> Inspection qualifies for multiple storm dates per 2010 IP Part I.G.2 and 2022 IP Part I.B.8.b.

### 165.4 Stormwater Monitoring

Through calendar year 2022, stormwater flow has not been sufficient for full-volume sample collection at PJ-SMA-14.

Stormwater monitoring was conducted at PJ-SMA-14 under the 2010 IP requirements from March 28 through July 31, 2022, resulting in a monitoring season of 126 days. A total of 4 inspections were performed during the monitoring period and are summarized in Table 165-3, and the sampling location was decommissioned on December 8, 2022. Rain gage RG245.5 recorded 12 rain events exceeding 0.1 in. in 24 hours through July 31, 2022. No new confirmation monitoring samples were collected in 2022 and no sampling operability issues were encountered.

**Table 165-3 Sampler Inspections During 2022**

Inspection Reference	Inspection Date	Sample Retrieved?	Date(s) of Rain Events Exceeding 0.1 in. in 24 hr since Previous Inspection	Rainfall Intensity <sup>a</sup> / Total <sup>b</sup> (in.)
SMPLR-91686	5-2-2022	No	None	None
SMPLR-92268	5-27-2022	No	None	None
SMPLR-92613	6-30-2022	No	6-18-2022 6-22-2022 6-25-2022 6-26-2022	0.1/0.21 0.12/0.63 0.33/1.54 0.14/1.15
SMPLR-93557	8-11-2022	No	7-1-2022 7-4-2022 7-14-2022 7-20-2022 7-26-2022 7-27-2022 7-30-2022 7-31-2022	7-1-2022 7-4-2022 7-14-2022 7-20-2022 7-26-2022 7-27-2022 7-30-2022 7-31-2022

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

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

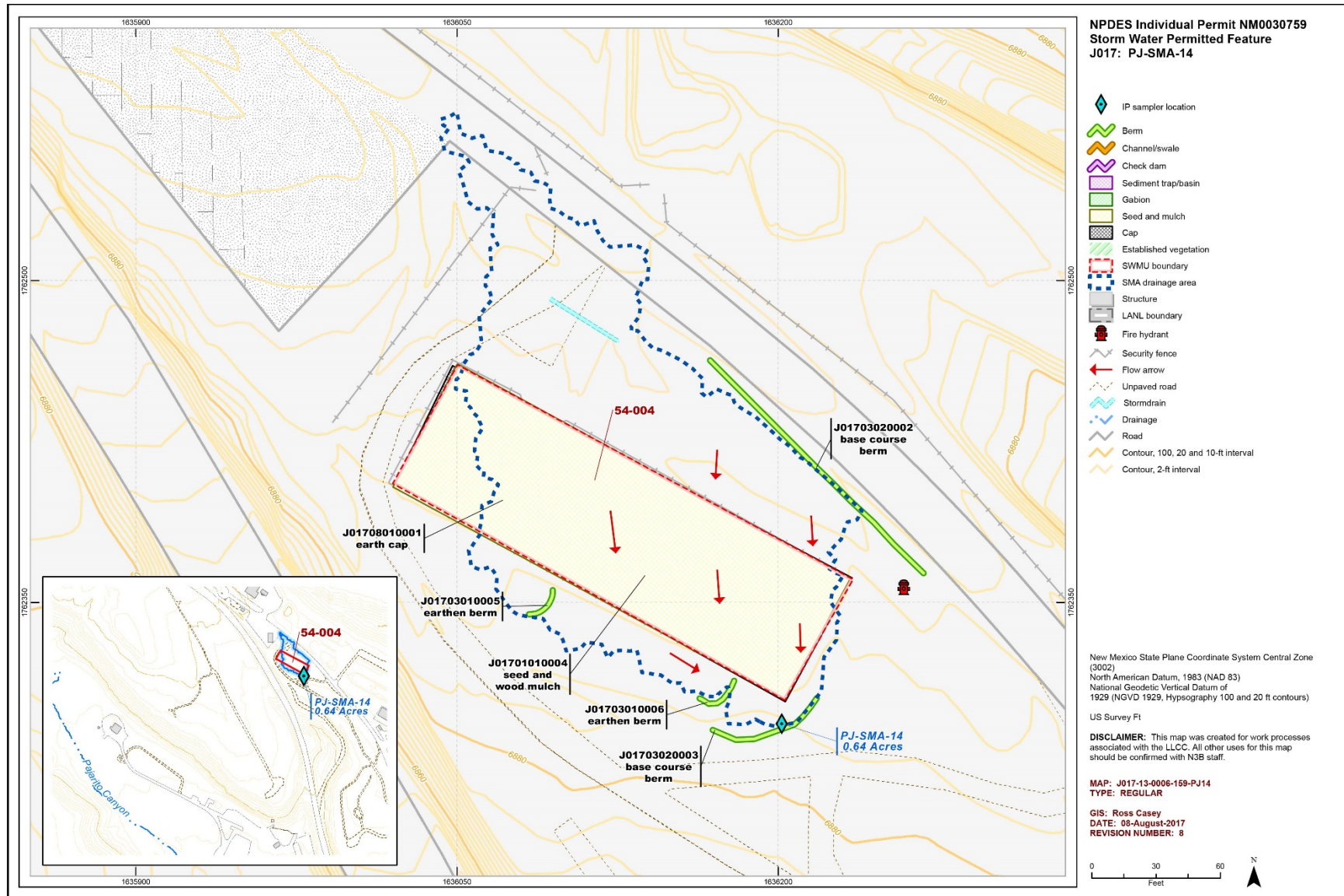


Figure 165-1 PJ-SMA-14 location map



## Appendix G

### Wetland Descriptions

Primary Watershed	Wetland ID	Approximate Area (acre)	Brief Description
Los Alamos/ Pueblo	43-1	0.20	Located on the floor of Los Alamos Canyon approximately 1000 ft east of Omega Bridge on Diamond Drive. It is bounded on the south by the north-facing slope of Los Alamos Canyon and on the north by Omega Road. The wetland is approximately 0.20 acres, with dimensions of 295 ft in length by an average of 30 ft in width. Vegetation in the area includes baltic rush ( <i>Juncus balticus</i> ), cattail ( <i>Typha</i> sp.), and coyote willow ( <i>Salix exigua</i> ).
	43-2	0.08	Located on the floor of Los Alamos Canyon approximately 1200 ft east of Omega Bridge. It is bounded on the south by Omega Road and on the north by the south-facing slope of Los Alamos Canyon. Wetland 43-1 is adjacent approximately 35 ft to the south. The wetland is approximately 0.08 acres, with dimensions of 145 ft in length by an average of 25 ft in width. Vegetation in the area includes narrow-leaf cattail ( <i>Typha angustifolia</i> ) and dock ( <i>Rumex</i> sp.).
	53-1	0.01	Located on the floor of Los Alamos Canyon. It is bounded by the north by the south-facing slope of the canyon and TA-21 on the mesa top. On the south, the area is bounded by the north-facing slope of the canyon and undeveloped area of TA-53 on the mesa top. The wetland is approximately 0.01 acres, with dimensions of 65 ft in length by 10 ft in width. Vegetation in the area includes baltic rush ( <i>Juncus balticus</i> ).
	74-1	2.76	Located on the wide floor of Pueblo Canyon. It is bounded on the north by the south-facing slope of the canyon and undeveloped land on the mesa top. On the south, it is bounded by the north-facing slope of the canyon and NM 502 on the mesa edge. It is located approximately 1300 ft downstream (east) of wetland 74-2. The area is approximately 2.76 acres, with dimensions of 2975 ft in length by an average of 40 ft in width. Vegetation in the area is primarily reed canary grass ( <i>Phalaris arundinacea</i> ), with some barnyard grass ( <i>Echinochloa crus-galli</i> ) and curly dock ( <i>Rumex crispus</i> ).
	74-2	9.12	Wetland 74-2 is located on the wide floor of Pueblo Canyon and approximately 1900 ft downstream (east) of the Los Alamos Wastewater Treatment Plant. It is bounded on the north by the south-facing slope of the canyon and undeveloped land on the mesa top. On the south, it is bounded by the north-facing slope of the canyon and NM 502 on the mesa top. The wetland is approximately 1300 ft upstream (west) of wetland 74-1. The area is approximately 9.12 acres, with dimensions of 2650 ft in length by an average of 150 ft in width. Vegetation in the area is a monoculture of reed canary grass ( <i>Phalaris arundinacea</i> ).

## Appendix G, Wetland Descriptions (continued)

Primary Watershed	Wetland ID	Approximate Area (acre)	Brief Description
Mortandad/ Sandia	03-1	0.01	Located at the head of Upper Mortandad Canyon. This area is bounded on the north by developed area of TA-3. On the south the area is bounded by the north-facing slope of the canyon and Pajarito Road on the mesa top. The wetland is approximately 0.06 acres, with approximate dimensions of 100 ft in length by an average width of 25 ft. Vegetation in this area consists primarily of narrow-leaf cattail ( <i>Typha angustifolia</i> ).
	03-2	0.08	Located approximately 500 ft east of wetland 03-1 on a south-facing slope of Upper Mortandad Canyon. This area is bounded on the north by developed area of TA-3. On the south the area is bounded by the canyon bottom. Wetland 03-2 is approximately 1500 ft upstream (west) of wetland 48-1. The wetland is approximately 0.08 acres, with dimensions of 115 ft in length by an average width of 30 ft. Vegetation in this area includes coyote willow ( <i>Salix exigua</i> ) and narrow-leaf cattail ( <i>Typha angustifolia</i> ).
	48-1	0.08	Located on the floor of Upper Mortandad Canyon. It is bounded on the north by the south-facing slope of the canyon and TA-60 on the mesa top. On the south the area is bounded by the north-facing slope of the canyon and TA 48 on the mesa top. The wetland is approximately 1500 ft downstream (east) of wetland 3-2 and 250 ft upstream (west) of wetland 48-2. Wetland 48-1 is approximately 0.08 acres, with dimensions of 295 ft in length by an average width of 30 ft. Vegetation in the area includes baltic rush ( <i>Juncus balticus</i> ), coyote willow ( <i>Salix exigua</i> ), and bluegrass ( <i>Poa sp.</i> ).
	48-2	0.06	Located on the floor of Upper Mortandad Canyon. It is bounded on the north by the south-facing slope of the canyon and TA-60 on the mesa top. On the south the area is bounded by the north-facing slope of the canyon and TA 48 on the mesa top. The wetland is approximately 250 ft downstream (east) of wetland 48-1 and 250 ft upstream (west) of wetland 48-3. Wetland 48-2 is approximately 0.06 acres, with dimensions of 95 ft in length by an average width of 25 ft. Vegetation in the area includes baltic rush ( <i>Juncus balticus</i> ), coyote willow ( <i>Salix exigua</i> ), bluegrass ( <i>Poa sp.</i> ), narrow-leaf cattail ( <i>Typha angustifolia</i> ), and woolly sedge ( <i>Carex lanuginosa</i> ).
	48-3	0.92	Located on the floor of Upper Mortandad Canyon. It is bounded on the north by the south-facing slope of the canyon and TA-60 on the mesa top. On the south the area is bounded by the north-facing slope of the canyon and TA 48 on the mesa top. The wetland is approximately 250 ft downstream (east) of wetland 48-2. Wetland 48-3 is approximately 0.92 acres, with dimensions of 1400 ft in length by an average width of 30 ft. Vegetation in the area includes baltic rush ( <i>Juncus balticus</i> ), coyote willow ( <i>Salix exigua</i> ), bluegrass ( <i>Poa sp.</i> ), narrow-leaf cattail ( <i>Typha angustifolia</i> ), and woolly sedge ( <i>Carex lanuginosa</i> ).

## Appendix G, Wetland Descriptions (continued)

Primary Watershed	Wetland ID	Approximate Area (acre)	Brief Description
Mortandad/ Sandia	48-4	0.05	Located at the head of a tributary of Mortandad Canyon. It is bounded on the north and west by developed areas at TA-48. Wetland 48-4 is located approximately 630 ft upstream (west) of wetland 55-1. Wetland 48-4 is approximately 0.05 acres, with dimensions of 50 ft in length by 50 ft in width. Vegetation in the area includes narrow-cattail ( <i>Typha angustifolia</i> ).
	55-1	1.19	Located on the floor of a tributary to Mortandad Canyon. It is bounded on the north by the south-facing slope of the canyon and undeveloped area of TA-48 on the mesa top. On the south, it is bounded by the north-facing slope of the canyon and developed area of TA-55 on the mesa top. Wetland 55-1 is located approximately 630 ft downstream (east) of wetland 48-4. The wetland is approximately 1.19 acres, with dimensions of 1270 ft in length by an average width of 40 ft. Vegetation in the area includes coyote willow ( <i>Salix exigua</i> ), narrow-leaf cattail ( <i>Typha angustifolia</i> ), baltic rush ( <i>Juncus balticus</i> ), poison ivy ( <i>Toxicodendron radicans</i> ), and sedge grasses ( <i>Carex</i> sp.).
	61-1	2.97	Located on the canyon floor at the head of Sandia Canyon. It is bounded on the north by the south-facing slope of the canyon and the Los Alamos County landfill on the mesa top. On the south, it is bounded by the north-facing slope of the canyon and developed areas of TA-60 on the mesa top. The wetland is approximately 2.95 acres, with dimensions of 1285 ft in length by an average of 100 ft in width. Vegetation in the area includes creeping bentgrass ( <i>Agrostis stolonifera</i> ) and broad-leaf cattail ( <i>Typha latifolia</i> ).
Pajarito	15-1	0.30	Located on the canyon floor at the head of Threemile Canyon. The area is bounded on the north by the south-facing slope of the canyon and undeveloped land in TA-67 on the mesa top. On the south it is bounded by the north-facing canyon slope and TA-15 on the mesa top. The wetland is approximately 0.30 acres, with dimensions of 985 ft in length by an average width of 13 ft. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ) and undetermined grasses.
	22-1	0.31	Located at the head of a branch of Twomile Canyon. It is bounded on the north by Gomez Ranch and undeveloped land of TA-06. It is bounded by the east and south by developed areas of TA-22. Wetland 22-1 is approximately 180 ft upstream (west) of wetland 22-2. Wetland 22-1 is approximately 0.31 acres, with dimensions of 300 ft in length by an average width of 45 ft. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ), cattail ( <i>Typha</i> sp.), and sedge grass ( <i>Carex</i> sp.).

## Appendix G, Wetland Descriptions (continued)

Primary Watershed	Wetland ID	Approximate Area (acre)	Brief Description
Pajarito	22-2	0.06	Located approximately 180 feet downstream (east) of wetland 22-1 at the head of a branch of Twomile Canyon. It is bounded on the north by Gomez Ranch and undeveloped land of TA-06. It is bounded on the south by developed areas of TA-22. The wetland is approximately 0.062 acres, with approximate dimensions of 300 ft in length by an average width of 10 ft. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ), cattail ( <i>Typha</i> sp.), sedge grass ( <i>Carex</i> sp.), and meadow fescue ( <i>Festuca pratensis</i> ).
	36-1	0.26	Located on the floor of Pajarito Canyon approximately 650 ft southwest of the intersection of Pajarito Road and NM 4. It is the easternmost wetland in TA-36 and is located downstream of wetlands 36-2 through 36-9. The area is bounded on the north by Pajarito Road. On the south the area is bounded by undeveloped land in TA-36. The wetland is approximately 0.26 acres, with dimensions of 550 ft in length by an average width of 25 ft. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ), sedge grasses ( <i>Carex</i> sp.), bluegrass ( <i>Poa</i> sp.), coyote willow ( <i>Salix exigua</i> ), and Fremont cottonwood ( <i>Populus fremontii</i> ).
	36-2	0.09	Located on floor of Pajarito Canyon approximately 200 ft upstream (west) of wetland 36-1 and 230 ft downstream (east) of wetland 36-4. The area is bounded on the north by Pajarito Road. On the south the area is bounded by undeveloped land in TA-36. The wetland is approximately 0.09 acres, with dimensions of 130 ft in length by an average width of 30 ft. Vegetation in this area includes foxtail barley ( <i>Hordeum jubatum</i> ), baltic rush ( <i>Juncus balticus</i> ), bluegrass ( <i>Poa</i> sp.), coyote willow ( <i>Salix exigua</i> ), and Fremont cottonwood ( <i>Populus fremontii</i> ).
	36-3	1.58	Located on the floor of Pajarito Canyon approximately 200 ft downstream (east) of wetland 36-5 and 1000 ft upstream (west) of wetland 36-4. The area is bounded on the north by Pajarito Road. On the south the area is bounded by undeveloped land in TA-36. The wetland is approximately 1.58 acres, with dimensions of 800 ft in length by an average width of 85 ft. Vegetation in this area includes common spikerush ( <i>Eleocharis palustris</i> ), baltic rush ( <i>Juncus balticus</i> ), broad-leaf cattail ( <i>Typha latifolia</i> ), dock ( <i>Rumex</i> sp.), sedge grass ( <i>Carex</i> sp.), bluegrass ( <i>Poa</i> sp.), coyote willow ( <i>Salix exigua</i> ), and Fremont cottonwood ( <i>Populus fremontii</i> ).
	36-4	0.12	Located on the floor of Pajarito Canyon approximately 230 ft upstream (west) of wetland 36-2 and 1000 ft downstream (east) of wetland 36-3. The area is bounded on the north by Pajarito Road. On the south the area is bounded by undeveloped land in TA-36. The wetland is approximately 0.12 acres, with dimensions of 250 ft in length by 20 ft in width. Vegetation in the area includes common spikerush ( <i>Eleocharis palustris</i> ), foxtail barley ( <i>Hordeum jubatum</i> ), baltic rush ( <i>Juncus balticus</i> ), dock ( <i>Rumex</i> sp.), and bluegrass ( <i>Poa</i> sp.).

## Appendix G, Wetland Descriptions (continued)

Primary Watershed	Wetland ID	Approximate Area (acre)	Brief Description
Pajarito	36-5	0.30	Located on the floor of Pajarito Canyon approximately 200 ft upstream (west) of wetland 36-3 and 40 ft downstream (east) of wetland 36-6. The area is bounded on the north by Pajarito Road. On the south the area is bounded the north-facing canyon slope and undeveloped land in TA-36 on the mesa top. The wetland is approximately 0.3 acres, with dimensions of 150 ft in length by an average of 85 ft in width. Vegetation in the area includes dock ( <i>Rumex</i> sp.), coyote willow ( <i>Salix exigua</i> ), and foxtail barley ( <i>Hordeum jubatum</i> ).
	36-6	3.52	Located on the floor of Pajarito Canyon approximately 40 ft upstream (east) of wetland 36-5. The area is bounded on the north by Pajarito Road. On the south the area is bounded the north-facing canyon slope and undeveloped land in TA-36 on the mesa top. The wetland is approximately 3.5 acres, with dimensions of 875 ft in length by an average width of 175 ft. Vegetation in the area includes of baltic rush ( <i>Juncus balticus</i> ), foxtail barley ( <i>Hordeum jubatum</i> ), sedge grass ( <i>Carex</i> sp.), spikerush ( <i>Eleocharis</i> sp.), American speedwell ( <i>Veronica americana</i> ), coyote willow ( <i>Salix exigua</i> ), and bentgrass ( <i>Agrostis</i> sp.).
	36-7	0.87	Located on the floor of Pajarito Canyon approximately downstream of the confluence of Pajarito and Threemile Canyons. It is bounded on the north by Pajarito road and on the south by the north-facing slope of the canyon and undeveloped area of TA-18 on the mesa top. It is approximately 0.87 acres, with dimensions of 635 ft in length by an average of 60 ft in width. Vegetation in the area includes baltic rush ( <i>Juncus balticus</i> ), foxtail barley ( <i>Hordeum jubatum</i> ), sedge grass ( <i>Carex</i> sp.), narrow-leaf cattail ( <i>Typha angustifolia</i> ), American speedwell ( <i>Veronica americana</i> ), coyote willow ( <i>Salix exigua</i> ), and bentgrass ( <i>Agrostis</i> sp.).
	36-8	8.32	Located on the floor of Pajarito Canyon approximately 1300 ft downstream (east) of the confluence of Pajarito and Threemile Canyons. The area is bounded on the north by the south-facing slope of the canyon and developed area of TA-54 on the mesa top. On the south the area is bounded by Pajarito Road. It is approximately 8.32 acres, with dimensions of 3400 ft in length by an average width of 106 ft. Vegetation in the area includes broadleaf cattail ( <i>Typha latifolia</i> ), bentgrass ( <i>Agrostis</i> sp.), American speedwell ( <i>Veronica americana</i> ), sedge grass ( <i>Carex</i> sp.), and coyote willow ( <i>Salix exigua</i> ).
	36-9	0.15	Located on the floor of Pajarito Canyon on the north side of Pajarito Road. It is approximately 1200 ft downstream (east) of wetland 36-8 and 3500 ft upstream (west) of wetland 36-6. The area is bounded on the north by the south-facing slope of the canyon and undeveloped area of TA-54 on the mesa top. On the south the area is bounded by Pajarito Road. The wetland is approximately 0.15 acres, with dimensions of 200 ft in length by an average of 33 ft in width. Vegetation in the area includes curly dock ( <i>Rumex crispus</i> ) and other vegetation.

## Appendix G, Wetland Descriptions (continued)

Primary Watershed	Wetland ID	Approximate Area (acre)	Brief Description
Water/ Cañon de Valle	11-1	0.19	Located on the floor of S-Site Canyon on the north border of TA-11. It is bounded on the north by the south-facing slope of the canyon and undeveloped land on the mesa top. On the south it is bounded by the north-facing slope and developed area of TA-11 on the mesa top. The wetland is approximately 0.19 acres, with dimensions of 305 ft in length by an average width of 27 ft. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ) and sedge grasses ( <i>Carex</i> sp.).
	16-1	0.03	Located on the floor of Cañon de Valle, approximately 160 ft upstream (west) of wetland 16-2. It is bounded on the north by the south-facing slope of the canyon and TA-16 burning grounds on the mesa top. On the south the area is bounded by the north-facing slope of the canyon and undeveloped land in TA-16. The wetland is approximately 0.03 acres, with dimensions of 70 ft in length by an average width of 20 ft. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ) and undetermined grasses.
	16-2	0.01	Located on the floor of Cañon de Valle approximately 160 ft downstream (east) of wetland 16-1. It is bounded on the north by the south-facing slope of the canyon and TA-16 burning grounds on the mesa top. On the south the area is bounded by the north-facing slope of the canyon and undeveloped land in TA-16. The wetland is approximately 0.01 acres, with dimensions of 30 ft by 25 ft in width. Vegetation in this area includes baltic rush ( <i>Juncus balticus</i> ) and undetermined grasses.

## Appendix H

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