Storm Water Pollution Prevention Plan
For SWMUS and AOCs (Sites)

Volume 1

Prepared by: University of California, Los Alamos National Laboratory
Environmental Stewardship Division,
Water Quality and Hydrology Group (ENV-WQH)
SMWU Specific Permit Application Team, Los Alamos, New Mexico.

March 2005

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Date: March 30, 2005
Refer To: ENV-WQH: 05-061

Ms. Waudelle Strickley
U. S. Environmental Protection Agency, Region 6
Water Enforcement Branch (6EN-WC)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

SUBJECT: ANNUAL STORM WATER MONITORING PLAN AND STORM WATER POLLUTION PREVENTION PLAN FOR SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN AT LOS ALAMOS NATIONAL LABORATORY, FFCA DOCKET NO. CWA-06-2005-1701

Dear Ms. Strickley:

The Department of Energy (DOE) and the University of California (UC) are pleased to submit the Laboratory's Storm Water Monitoring Plan (SWMP) and the Storm Water Pollution Prevention Plan for Solid Waste Management Units and Areas of Concern (SWMU-AOC/SWPPP). These plans were prepared by the Laboratory's Water Quality and Hydrology Group (ENV-WQH) as a requirement of the Federal Facility Compliance Agreement (FFCA) Docket No. CWA-06-2005-1701.

The annual modification of the SWMP addresses storm water monitoring on a watershed scale and includes data quality objectives, sample methodology, quality control, and storm water monitoring results for 2004. The SWMU-AOC/SWPPP addresses storm water monitoring on a site-specific scale and includes the methodology used to identify and prioritize sites with the greatest potential for erosion, the criteria for determining monitoring locations, the types of erosion control measures implemented, and storm water monitoring results for 2004.

Copies of these plans are being sent to the New Mexico Environment Department (NMED) Surface Water Quality Bureau and the NMED DOE Oversight Bureau for review. We are requesting comments on these plans no later than April 30, 2005, so that we may proceed with storm water sampling under final plans at an early date. A meeting will be scheduled in early May to address comments and to arrive at a consensus on the final plans.

Please contact Gene Turner at (505) 667-5794 or Steve Veenis at (505) 667-0013, if additional information would be helpful. We look forward to finalizing these plans and having a productive storm water sampling season.

Sincerely,

Steven Rae
Group Leader
Water Quality & Hydrology Group

SR:SV/lm

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Los Alamos National Laboratory

Storm Water Pollution Prevention Plan For SWMUs and AOCs

Revision 0
March 31, 2005

A requirement of the

Los Alamos National Laboratory Federal Facility Compliance Agreement
Administrative Order Docket No. CWA-06-205-1701

and the

NPDES Storm Water Multi-Sector General Permit For Industrial Activities
(NPDES Permit Nos. NMR05A734 and NMR05A735)

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STORM WATER POLLUTION PREVENTION PLAN
FOR SWMUs AND AOCs

LOS ALAMOS NATIONAL LABORATORY

PREFACE

This Storm Water Pollution Prevention Plan (SWPPP) has been developed in accordance with regulations governing storm water discharge controls at Los Alamos National Laboratory (LANL). These regulations pursuant to the Clean Water Act, 33 U.S.C. Section 1251-1387 include the 2005 Federal Facility Compliance Agreement (Administrative Order Docket No. CWA-06-205-1701) entered into between the United States Environmental Protection Agency (EPA) and the United States Department of Energy (DOE) and those established by EPA for National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permits (MSGP) for Industrial Activities (EPA 2000).

In accordance with facility activity, this SWPPP for Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) complies with the industry specific permit requirements for Hazardous Waste Treatment Storage or Disposal, Section XI subpart K of the NPDES Storm Water MSGP for Industrial Activities (65 Federal Register 64746). The applicable Storm Water Discharge Permit is EPA MSGP Number NMR05A735 and NMR05A735 (EPA, 2000). This SWMU/SWPPP is applicable to discharges of storm water associated with the identified LANL Sites during the period of the FFCA, and as stated above, incorporates FFCA requirements for Sites and MSGP monitoring and reporting requirements for SWMUs. Conventional Sites are handled under the MSGP and are not addressed in this SWMU/SWPPP.

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SWMU/SWPPP

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VOLUME 2

Individual Site Storm Water Pollution Prevention Plan Forms and Maps

LIST OF ACRONYMS

ACE	United States Army Corps of Engineers
AOC	Area Of Concern
CAP	[LANL] Construction Activities Program
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
CGP	Construction General Permit
COPC	Chemicals of Potential Concern
CWA	Clean Water Act
DOE	United States Department of Energy
DOE-OB	United States Department of Energy Oversight Bureau
ENV	Environmental Stewardship Division
EPA	United States Environmental Protection Agency
ER	Environmental Restoration [Project]
FFCA	Federal Facility Compliance Agreement
FMST	facility management support team
FMU	Facility Management Unit
FR	Federal Register
HE	high explosive [compound]
HSWA	Hazardous and Solid Waste Amendments
HWB	[NMED] Hazardous Waste Bureau
L	liter
LANL, Laboratory	Los Alamos National Laboratory
LASO	Los Alamos Site Office
mL	milliliter
MSGP	Multi-Sector General Permit
NFA	no further action
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NNMCAB	Northern New Mexico Citizens' Advisory Board
NNSA	National Nuclear Security Administration
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl [compound]
pCi/L	picoCurie per liter
PE	polyethylene
PPWP	Pajarito Plateau Watershed Partnership
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RS	Remediation Services
SMA	Site Monitoring Area
SOP	Standard Operating Procedure

LIST OF ACRONYMS (cont.)

SWAT	[Los Alamos] Surface Water Assessment Team
SWMP	Storm Water Monitoring Plan
SWMU	Solid Waste Management Unit
SWPPP	Storm Water Pollution Prevention Plan
SWQB	[NMED] Surface Water Quality Bureau
SWTS	Storm Water Tracking System
TA	Technical Area
TAL	Target Analyte List
TR	total recoverable [concentration]
UC	University of California
VTF	Volunteer Task Force
WQCC	[New Mexico] Water Quality Control Commission
WQDB	Water Quality Database
WQH	Water Quality and Hydrology [Group]
wSAL	[storm] water Screening Action Level

STORM WATER 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."

Kenneth M. Hargis 3/30/05

Environmental Stewardship Division Director, Acting, Kenneth M. Hargis Date

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1.0 INTRODUCTION

1.1 Purpose

Los Alamos National Laboratory (LANL, the Laboratory) has prepared this Storm Water Pollution Prevention Plan (SWPPP) pursuant to the requirements of the 2005 Federal Facility Compliance Agreement (FFCA) entered into between the United States Environmental Protection Agency (EPA) and the United States Department of Energy (DOE) in February 2005 (EPA 2005), pursuant to the Clean Water Act (CWA), 33 U.S.C. Section 1251-1387. The FFCA establishes a compliance program under the CWA for the regulation of storm water discharges from Laboratory Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) until such time as these sources are regulated by an individual storm water permit issued by the permitting authority pursuant to the National Pollutant Discharge Elimination System (NPDES). SWMUs and AOCs are collectively referred to as Sites.

The purpose of the compliance program is to provide a schedule to ensure compliance with the NPDES storm water permitting program. This SWPPP for SWMUs and AOCs (SWMU/SWPPP) incorporates all the FFCA requirements that pertain to Site-specific monitoring and corrective action, as well as the Multi-Sector General Permit (MSGP) monitoring and reporting requirements that are applicable to SWMUs. A copy of the FFCA is included in Appendix 1 of this SWMU/SWPPP. A copy of the MSGP and the LANL Notice of Intent (NOI) is included in Appendix 2.

1.2 Scope

This section discusses the applicability of this SWMU/SWPPP, the definition of SWMUs and AOCs to which the Plan applies, and the Plan ownership and jurisdiction. The FFCA and MSGP requirements for this SWMU/SWPPP are detailed in Section 1.3.

1.2.1. Applicable SWMUs

Storm water discharges at the Laboratory are regulated under the CWA. Since the promulgation of Storm Water regulations in 1990 under the NPDES Program and the CWA, LANL has pursued appropriate NPDES permit coverage for storm water discharges. LANL originally identified different industrial activities based on Standard Industrial Codes (SIC) as required by 40 Code of Federal Regulations (CFR) 122.26(b)(14)(i-xi) and implemented a storm water management program to cover those activities under a General Permit. In 1995, EPA modified the NPDES storm water permit and issued an industrial "sector" driven permit – the MSGP. LANL has applied for and received coverage under the MSGP since that time. Currently, the discharge of storm water at the Laboratory is regulated by NPDES Storm Water MSGP Nos. NMR05A734 and NMR05A735 (EPA 2000b), which became effective on December 23, 2000 pursuant to 65 Federal Register (FR) 64746.

The following industrial activity sectors are present at LANL.

- Sector D - Asphalt Paving and Roofing Materials
- Sector F - Primary Metals (Nonferrous Metals)
- Sector K - Hazardous Waste Treatment, Storage, or Disposal Facilities (including SWMUs)
- Sector L - Landfills and Land Application Sites
- Sector N - Scrap Recycling Facilities
- Sector O - Steam Electric Generating Facilities
- Sector P - Land Transportation
- Sector AA - Fabricated Metal Products

A Conventional Industrial Site is categorized as a site with an industrial activity defined in 40 CFR 122.26(b)(14) that is not exclusively designated as a SWMU as defined by EPA Region 6. Sites that are co-located with conventional industrial activities are listed in Appendix 3. Pursuant to the MSGP, SWMUs fall under the category of Hazardous Waste Treatment, Storage, and Disposal Facilities (Sector K), which EPA Region 6 defines as a listed, regulated industrial activity. EPA Region 6 has provided the following information on the definition of a SWMU and its coverage under the NPDES Storm Water Program.

> "Solid Waste Management Unit (SWMU):
>
> *Any discernible waste management unit from which hazardous constituents may migrate, irrespective of whether the unit was intended for management of solid or hazardous wastes. The types of units considered SWMUs are landfills, surface impoundments, waste piles, land treatment units, incinerators, injection wells, tanks, and container storage areas. Waste water treatment system, and transfer stations. In addition, areas associated with production processes at facilities that have become contaminated as a result of routine, systematic, and deliberate releases of wastes (which may include abandoned or discarded product), or hazardous constituents from wastes, are considered SWMUs. SWMUs usually meet the definition of industrial activity in 40 CFR 122.26(b)(14)(iv-v), thereby requiring an NPDES storm water permit."*

If a SWMU has not received materials from other industrial activities defined in 40 CFR 122.26(b)(14), and is not subject to Subtitle C or D of Resource Conservation and Recovery Act (RCRA), it may qualify as a non-industrial activity. Additionally, if a SWMU contains only radioactive wastes that are regulated under the Atomic Energy Act (42 USC 201 et seq.) it may be exempt because the definition of "pollutant" (40 CFR 122.2) excludes certain radioactive wastes. However, radioactive waste SWMUs may contain other pollutants from industrial

activities, thereby subjecting them to the NPDES permitting program. Since DOE regulates SWMUs containing radioactive wastes, EPA and DOE may both regulate such Sites.

1.2.2. SWMUs and AOCs

This SWMU/SWPPP applies to those Sites, including both SWMUs and AOCs that have not formally achieved No Further Action (NFA) status through the RCRA corrective action process described previously in the Hazardous and Solid Waste Amendments (HSWA) Module VIII of the Laboratory's RCRA operating permit, and now described in the March 2005 Compliance Order on Consent (Consent Order). Currently, there are over 1,300 Sites, including approximately 950 SWMUs and approximately 350 AOCs that have not formally achieved NFA status to which this SWMU/SWPPP applies. (Note: The number of Sites refers to non-consolidated Sites.)

In November 1989, the New Mexico Environmental Improvement Division (now NMED), authorized by EPA under RCRA, issued the Laboratory its Hazardous Waste Facility Permit (New Mexico 1989), which addresses treatment and storage of hazardous wastes at the Laboratory. EPA regulations require that applicants for RCRA operating permits submit "reasonably available" information that identifies SWMUs at the facility requesting the permit and that the facility identify the potential for release at each SWMU. To meet these requirements, the Laboratory originally identified 2,124 potentially contaminated sites and listed those sites within a SWMU report (LANL 1990). Contamination originated from septic tanks and lines, chemical storage areas, wastewater outfalls, landfills, incinerators, firing ranges and their impact areas, surface spills, and electric transformers. Potentially contaminated sites are found on mesa tops, in canyons, and in the Los Alamos town site.

Based on the findings of the SWMU reports, EPA Region 6 originally identified a subset of 1,099 potentially contaminated sites to be included in HSWA Module VIII of the Laboratory's Hazardous Waste Facility Permit, which was issued by EPA in March 1990 (EPA 1990). Module VIII set forth the procedural requirements for RCRA corrective action at sites identified as SWMUs. Through 1995, EPA had sole authority over corrective actions at the Laboratory. In January 1996, EPA delegated this authority to NMED. In March 2005, NMED issued a Consent Order specifying that all corrective action for releases of hazardous waste or hazardous constituents at the Laboratory facility shall be conducted solely under the Consent Order and not under the current Hazardous Waste Facility Permit.

The Consent Order defines AOCs as any area that may have had a release of a hazardous waste or hazardous constituent which is not a SWMU. The AOCs at the Laboratory are those 1,025 originally identified potentially contaminated sites that were not designated as SWMUs in the HSWA Module. The FFCA and this SWMU/SWPPP apply to both SWMUs and AOCs.

To further facilitate corrective actions, in December of 1998, the Environmental Restoration (ER) Project and NMED developed criteria for, and started the process of, consolidating corrective action Sites that are related by contaminant source, geographic location, and potential cumulative risk. As a result of this effort, 583 related Sites were grouped into 145 "consolidated units."

As site investigations and/or corrective actions proceed, the Laboratory may propose that a Site requires NFA. Elimination of Sites for which corrective actions have been completed is formalized through the Consent Order. Either the Laboratory or the Administrative Authority may request a permit modification. LANL has achieved NFA status for nearly 50% of the Sites as a result of investigations, remediation, consolidation, and the 1999 and 2000 Annual Unit Audits. Currently, there are about 1,300 Sites, including approximately 950 SWMUs and approximately 350 AOCs that have not formally achieved NFA status.

1.3 Regulatory Framework

This SWMU/SWPPP incorporates all the FFCA requirements that pertain to Site-specific monitoring and corrective action, as well as the MSGP requirements for SWPPPs for SWMUs. Both sets of requirements are discussed in detail below.

1.3.1. Federal Facility Compliance Agreement

Pursuant to the requirements of the FFCA, the purpose of this SWMU/SWPPP is to:

- Describe the monitoring and erosion control program to control and limit contamination migration and transport from Sites within the Laboratory and within individual or combined site boundaries.

- Monitor the effectiveness of controls at the Sites.

Under the FFCA, the Laboratory is conducting storm water runoff monitoring governed by individual monitoring and management plans. These monitoring efforts are discussed in Sections 2.1.1 and 4.7.

The purpose of the storm water monitoring mandated by the FFCA is to determine if there is a release or transport of a pollutant or contaminant from a Site into surface water that could cause or contribute to a violation of applicable surface water quality standards, including the antidegradation policy, or an applicable waste load allocation. The compliance schedule established by the FFCA underlies the management of the Sites to prevent or minimize erosion and the transport of pollutants from the Sites by storm water runoff.

Table 1-1 lists the primary requirements in the FFCA related to this SWMU/SWPPP and the sections within this SWMU/SWPPP in which the requirement is addressed.

Table 1-1. FFCA Requirements for SWMU/SWPPP

FFCA Section	FFCA Requirement	SWPPP Section(s) Addressing Requirement
20	List all Sites scoring above 40 and the year in which all Sites will be sampled	Appendix 6, Attachment 2
21	Describe the approach employed by LANL to identify and prioritize Sites by watershed where there is the greatest potential for erosion and contamination to impact surface water(s) of the state	3.1
21	Describe the types of erosion control measures implemented	4.5
21	Describe the process for determining the specific erosion control measures and monitoring plan for each Site	4.5.3, 4.7
21	Provide criteria for evaluating which Sites may be grouped as substantially identical outfalls or storm water management areas	4.2.2.2
21	Describe post sampling activities, including data assessments and contingency measures to address releases	3.4
21	Provide inspection and maintenance schedule	4.5.1.5, 4.5.4
22	Submit an annual SWPPP update to EPA and the New Mexico Environment Department (NMED) by March 31 of each year	4.6.2

The FFCA also specifies a schedule for reporting pursuant to activities performed under this SWMU/SWPPP. The report deliverables, required report content, and reporting schedule pursuant to the FFCA are summarized in Table 1-2. Report deliverables under the FFCA are submitted to EPA Region 6 and NMED Surface Water Quality Bureau (SWQB) and include:

- An annual revision to this SWMU/SWPPP that includes a summary of the previous monitoring year analytical data and the group of Sites to be monitored during the coming year, submitted by March 31st of each year.

- A quarterly status report submitted no later than 60 days after the end of each quarter.

- A monthly letter report of any analytical results greater than storm water screening action levels (wSALs) for the monthly reporting period submitted by the 28th day of the month following the month in which the analytical results are received.

All reports submitted to EPA and/or NMED pursuant to the FFCA shall be signed by a duly authorized representative of DOE in accordance with 40 CFR Part 122.22(b).

Table 1-2. SWMU/SWPPP Reporting Schedule under the Federal Facility Compliance Agreement

Deliverable	Required Content	Frequency	Due Date	Submit to
SWMU/SWPPP, Revision 1	▪ Summary of previous monitoring year analytical data (hardcopy and electronic formats) ▪ Summary of Site-specific corrective actions ▪ Proposed locations recommended for reduced monitoring requirements ▪ Proposed changes to the inspection and maintenance schedule for BMPs ▪ Sites that will be monitored in the coming year	Annual	March 31, 2006	EPA Region 6 NMED SWQB
Status Report	▪ State and describe the cause of any failure to comply with the FFCA ▪ Deadlines and other milestones that DOE was required to meet during the reporting period ▪ Progress made toward meeting the deadlines and other milestones ▪ Reasons for any noncompliance ▪ Corrective actions taken to address exceedances of wSALs ▪ Description of any matters relevant to the status of compliance with this FFCA	Quarterly	<u>2005 Monitoring Year</u>: No later than: May 30, 2005 August 31, 2005 November 30, 2005 February 28, 2006	EPA Region 6 NMED SWQB
Letter Report	▪ Report any analytical results greater than wSALs ▪ Propose corrective actions for impacted locations ▪ Report status of implemented corrective actions	Monthly	28th day of the following month (or next business day if the 28th falls on a weekend or holiday)	EPA Region 6 NMED SWQB

wSAL = storm water screening action level

1.3.2. Multi-Sector General Permit

The purpose of this SWMU/SWPPP is also to meet the MSGP requirements for SWMUs, unless superseded by the FFCA. The discharge of storm water at the Laboratory is regulated by NPDES Storm Water MSGP Nos. NMR05A734 and NMR05A735 (EPA 2000b), which became effective on December 23, 2000 pursuant to 65 FR 64746. During the period that the FFCA is in effect, the Laboratory must continue to comply with all requirements of the current MSGP.

Table 1-3 lists the MSGP requirements for the completion of a SWPPP and the sections of this SWMU/SWPPP in which the requirement is addressed. As indicated in Table 1-3, a copy of the MSGP is provided in Appendix 2.

DOE/University of California (UC) must also meet the reporting requirements of the MSGP. Analytical monitoring and submittal of Discharge Monitoring Reports are not required in 2005, which is the fifth year of the MSGP.

Table 1-3. MSGP Requirements for SWMU/SWPPP

MSGP Section	MSGP Requirement	SWPPP Section(s) Addressing Requirement
4.2.1	Pollution Prevention Team	4.1
4.2.2	Site Description	4.2
4.2.2.1	Activities at Facility	1.2
4.2.2.2	General Location Maps	4.2.1
4.2.3	Description of Receiving Waters and Wetlands	4.2.2
4.2.4	Summary of Potential Pollutant Sources	4.2.3
4.2.5	Significant Spill and Leaks	4.2.4
4.4	Non-Storm Water Discharges	4.3
4.2.6	Storm Water Sampling Data	4.4
4.2.7	Storm Water Controls	4.5
4.2.7.1	Types of BMPs, Description of Existing and Planned BMPs	4.5.3
4.2.7.2.1	Non-Structural BMPs	4.5.1
4.2.7.2.1.1	Good Housekeeping	4.5.1.1
4.2.7.2.1.2	Minimizing Exposure	4.5.1.2
4.2.7.2.1.3	Preventive Maintenance	4.5.1.3
4.2.7.2.1.4	Spill Prevention and Response Procedures	4.5.1.4
4.2.7.2.1.5	Routine Site Inspections	4.5.1.5
4.2.7.2.1.6	Employee Training	4.5.1.6
4.2.7.2.2	Structural BMPs:	4.5.2
4.2.7.2.2.1	Sediment and Erosion Control	4.5.2.1
4.2.7.2.2.2	Management of Run-off	4.5.2.2
4.2.7.2.3	Other Controls	4.5.3
4.3	Maintenance of BMPs	4.5.4
4.9	Comprehensive Site Compliance Evaluation	4.6
4.9.1	Annual Inspections	4.6
4.9.2	Scope and Method of Evaluations	4.6
4.9.3	Follow-up actions	4.6
4.9.4	Compliance Evaluation Report	4.6.1
4.10	Maintaining Updated SWPPP	4.6.2
5, 6.K.5	Monitoring and Reporting	4.7
4.5	Documentation of Permit Eligibility Related to Endangered Species	4.8
4.6	Documentation of Permit Eligibility Related to Historic Places	4.9
4.7	Copy of Permit (Attached to SWPPP)	4.10, Appendix 2

1.4 Responsibilities

Responsibilities for accomplishing the requirements of the FFCA and the MSGP are shared by DOE and UC, which manages the Laboratory for the DOE National Nuclear Security Administration (NNSA), and include the following.

- DOE and UC are co-permittees of the MSGP under Permit Nos. NMR05A734 and NMR05A735, respectively.
- DOE has entered into the FFCA with EPA.
- UC is responsible for implementing the requirements of the FFCA.
- DOE is the Owner/Landlord of the Laboratory.
- DOE is the funding agency for FFCA.
- DOE and UC have signatory authority for FFCA requirements.

The Laboratory's Environmental Stewardship Division Water Quality and Hydrology Group (ENV-WQH) has the responsibility for implementing the requirements of the FFCA at the LANL facility, including:

- Submitting the NPDES Individual Storm Water Permit Application to EPA to provide coverage for storm water discharges from the specific Sites that are subject to the requirements of the FFCA.
- Developing, implementing, and maintaining this SWMU/SWPPP that addresses the Site-specific requirements of the FFCA and MSGP.
- Developing, implementing, and maintaining the SWMP document that addresses the watershed-scale requirements of the FFCA.
- Developing and implementing the SWMP for Sites.
- Responsible for reporting requirements specified in FFCA.
- BMP maintenance and inspections.

1.5 Plan Organization

This SWMU/SWPPP is organized into two volumes. Volume 1 contains the following information.

- Section 1 provides the purpose and scope and presents storm water regulatory requirements for the Plan.

- Section 2 discusses the broad range of storm water management activities at LANL, including the programs in place at the Laboratory as well as LANL participation in local watershed management efforts.

- Section 3 provides detailed discussion of the Site evaluation process by which appropriate Site-specific requirements for monitoring and corrective action are determined. This process evaluates Sites, results in the categorization of Sites, assigns Site-specific monitoring requirements, applies decision criteria, and recommends potential corrective actions needed at the Sites.

- Section 4 provides the remaining information to implement the specific regulatory requirements for SWPPPs outlined in Section 1.3.

- The majority of the information that is subject to updates in this SWMU/SWPPP is provided within the 11 appendices.

- Attachment 1 contains the Site-specific Storm Water Sampling Plan for the current monitoring year. Attachment 2 contains the analytical monitoring results for the 2004 monitoring year.

Volume 2 contains the Site-specific SWPPP information for the individual Sites listed in Table 2 of the FFCA, including a map of each Site and a Site-Specific SWPPP Form.

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2.0 STORM WATER MANAGEMENT AT LANL

This section addresses storm water management activities at LANL, including the programs in place at the Laboratory to ensure compliance with NPDES regulations governing storm water discharge, as well as LANL participation in local watershed management efforts. The LANL organizations responsible for implementing and ensuring compliance with storm water regulations are also discussed in this section.

2.1 LANL Storm Water Management Compliance Programs

Figure 2-1 illustrates the structure of Storm Water Management Programs at LANL, including the regulatory documents and reports that are prepared and maintained pursuant to NPDES regulations governing storm water discharge, and the monitoring programs that are implemented to ensure compliance. The Storm Water Management Programs at LANL are managed by ENV-WQH; the role and responsibilities of the group are discussed in more detail in Section 2.2. Compliance programs have been implemented specific to the requirements of the FFCA, the MSGP, and the Construction General Permit (CGP). Each compliance program has its own requirements for plans, reports, and monitoring and/or inspections as described in the following sections. Under certain situations, compliance requirements may overlap as indicated by the dotted lines between the major programs; these situations are also described below.

2.1.1. Federal Facility Compliance Agreement

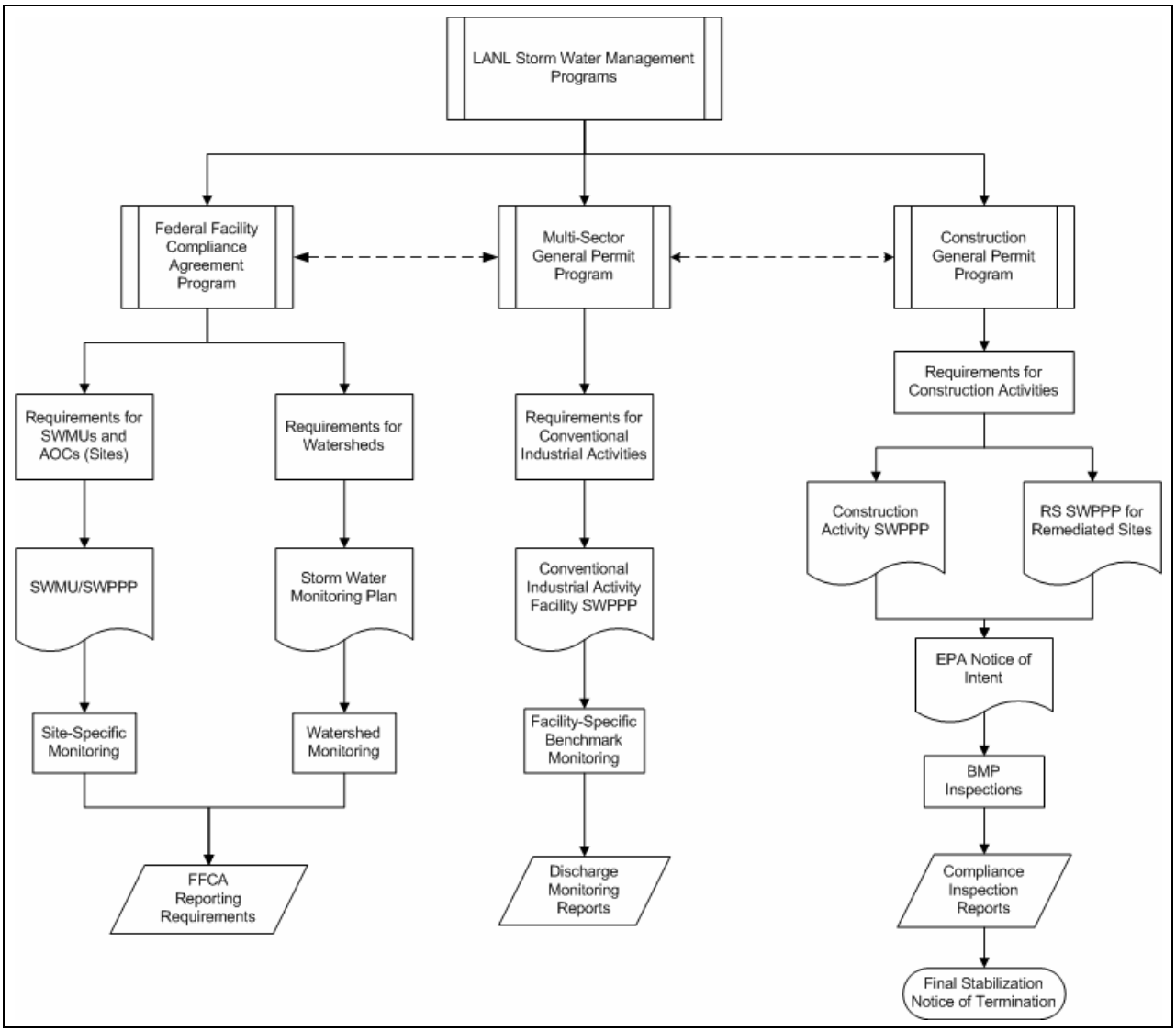
The discharge of storm water associated with Sites at the Laboratory is regulated by the FFCA, which establishes a compliance program under the CWA for the regulation of storm water discharges from Laboratory Sites until such time as these sources are regulated by an individual storm water permit issued by the permitting authority pursuant to the NPDES. The purpose of the compliance program is to provide a schedule to ensure compliance with the NPDES storm water permitting program.

Under the FFCA, the Laboratory is conducting two types of storm water runoff monitoring, each of which is governed by individual monitoring and management plans:

1. Sampling on a watershed basis at automated gage stations sited within the Laboratory canyons systems, which is performed under the SWMP (LANL 2004, LANL 2005).

2. Sampling near specific Sites, which is performed under a separate SWMU/SWPPP (this document).

Figure 2-1. Structure of Storm Water Management Programs at LANL



Reporting requirements pursuant to the FFCA are described in Section 1.3.1. Annual updates to this SWMU/SWPPP document shall include all analytical monitoring results for Site-specific monitoring by March 31st of the year following the monitoring period. Similarly, annual updates to the SWMP document shall include all watershed-scale analytical monitoring results.

2.1.2. Multi-Sector General Permit

As discussed under Section 1.3.2, the discharge of storm water associated with industrial activities at the Laboratory is regulated by the NPDES Storm Water MSGP. Storm water discharges from Laboratory facilities that EPA categorizes as an Industrial Activity are subject to the requirements of the Laboratory's MSGP. Pursuant to the MSGP requirements, facility-

specific SWPPPs have been prepared for Conventional Industrial Sites, where a Conventional Industrial Site is defined as a site with an industrial activity defined in 40 CFR 122.26(b)(14) that is not exclusively designated as a SWMU as defined by EPA Region 6. Sites that are co-located with conventional industrial activities are listed in Appendix 3.

Facility-specific analytical monitoring is conducted at automated gage stations for benchmark pollutants associated with the following industrial activity sectors present at LANL, that are listed in Section 1.2.1. The analytical monitoring data for Conventional Industrial Sites are reported to EPA on Discharge Monitoring Reports pursuant to the requirements of the MSGP.

2.1.3. NPDES Construction General Permit

The discharge of storm water associated with construction activities at the Laboratory is subject to the requirements of the NPDES CGP, and is carried out through the LANL NPDES Construction Activities Permit (CAP) Program. The Laboratory established the NPDES CAP Program to ensure compliance with the regulations established by EPA for NPDES General Permits for Storm Water Discharges from Construction Activities in Region 6. The CAP Program adheres to the provisions of the CWA (33 USC §§ 1251 et seq., as amended by the Water Quality Act of 1987, P.L. 100-4).

Construction activity SWPPPs are developed for specific construction projects that are greater than 1 acre and a NOI is submitted to EPA Region 6. Certain construction activities, including soil-disturbing activities at Sites, are covered under the Laboratory's common plan of development, and an addendum to the Remediation Services (RS) SWPPP for Remediated Sites is prepared for the individual projects. The following construction projects are covered by ENV-RS SWPP Plan:

- Hillside 137 Erosion Control Project (Site 01-001(c))
- TA-16 Ponds and Fishladder Fieldwork (Sites 16-003(o), 16-029(f), 16-026(f), 16-003(n)-99, 16-007(a)-99, and 16-008(a)-99)
- Bypass Road Remediation and Sampling (Proposed)

Proper implementation of the Construction SWPPPs is documented in the Compliance Inspection Reports. When post-construction stabilization is complete, a Notice of Termination (NOT) is submitted to EPA. The CGP requirements do not included analytical monitoring.

2.1.4. Overlapping Compliance Requirements

Appendix 3 provides the detailed list of 164 Sites that are co-located conventional industrial activities, and the corresponding facility-specific conventional SWPPP. Management of storm water discharge from the co-located Sites is subject to the requirements of both this SWMU/SWPPP, as well as the facility SWPPP.

Management of storm water discharge from construction activities that occur within the boundary of a Site or a conventional industrial facility is subject to the requirements of the CGP. During the period of time that construction activities are carried out, management of storm water discharges at either Sites or conventional industrial facilities become the responsibility of the NPDES CAP Program. When construction activities are terminated and the construction site is stabilized, the NOT is filed with EPA. Storm water permit responsibilities are transferred back under the FFCA (Sites) or the MSGP (conventional industrial activities). Monitoring may be conducted to demonstrate that the Site and/or facility meets FFCA or MSGP requirements.

2.2 Responsible LANL Organizations

2.2.1. Water Quality and Hydrology Group

ENV-WQH is one of the environmental protection Groups included in the Environmental Stewardship (ENV) Division. The ENV-WQH Group's programs support the mission and core competencies of the Laboratory and DOE by providing institutional expertise and implementation assistance to Laboratory line organizations regarding compliance with applicable water quality laws and regulations and DOE Orders. The ENV-WQH Group's programs promote and implement activities that continuously protect human health and the environment and protect and improve water quality and water resources management at the Laboratory.

ENV-WQH compliance and monitoring activities include: performing sampling, processing, and analysis of environmental media; providing institutional coordination, integration, and communication of all water resource-related monitoring activities, permits, data, and documentation; interpreting major state and federal water resource laws and regulations; and developing and implementing institutional standards and policy with line organizations. The ENV-WQH group also serves as the Laboratory's focal point for interactions and communication with DOE, EPA, NMED, the United States Army Corps of Engineers (ACE), external stakeholders, the public and Indian tribes on water quality/water resource management issues.

ENV-WQH is responsible for managing and implementing the Storm Water Management Programs outlined in Section 2.1. Under these programs, ENV-WQH executes its responsibility for ensuring compliance with the requirements of the FFCA, including:

- Preparation and submittal of the NPDES Individual Storm Water Permit Application.
- Preparation of and annual updates to this SWMU/SWPPP.
- Preparation of and annual updates to the SWMP document.
- Preparation and submittal of monthly, quarterly, and annual reports to EPA Region 6 and NMED SWQB.

- Performing sampling, processing, and analysis of storm water runoff samples to meet requirements for Site-specific and watershed-specific monitoring.
- Evaluate analytical results and impacts to the environment.
- Implementing BMPs and corrective actions as required on a Site-specific and watershed-scale basis.
- Maintaining structural control BMPs at Sites and watersheds.

ENV-WQH executes its responsibility for ensuring compliance with the requirements of the MSGP through the following activities:

- Preparation and submittal of the NPDES MSGP re-application.
- Preparation of and updates to this SWMU/SWPPP.
- Performing sampling, processing, and analysis of storm water runoff samples to meet requirements for benchmark pollutant monitoring.
- Implementing the requirements of this SWMU/SWPPP.
- Adhering to the reporting requirements in the MSGP.

2.2.1.1. LANL Water Quality Database

The ENV-WQH group is responsible for operating and maintaining the Laboratory's Oracle-based Water Quality Database (WQDB). The core components of the WQDB store data about sampling locations for ground water, surface water, storm water runoff, and sediments; environmental sample information; and the results of chemical analyses. The WQDB also includes components designed specifically to meet the data collection and tracking needs of the Storm Water Management Programs for which ENV-WQH is responsible. These components, collectively referred to as the Storm Water Tracking System (SWTS) module, include

- Initial surface water assessment results for Sites
- Surface water re-assessments
- Surface Water Assessment Team (SWAT) evaluation results
- Corrective action implementation and status
- Potential pollutants

- BMP maintenance tasks
- SWPPP information

All analytical results that are available in the WQDB may be viewed at any time at the following website: http://wqdbworld.lanl.gov/.

2.2.2. Remediation Services Project

On March 1, 2005, NMED issued the Consent Order to DOE/UC pursuant to the New Mexico Hazardous Waste Act and the New Mexico Solid Waste Act. The Consent Order contains investigation, cleanup, including corrective action, and other requirements for SWMUs located at the LANL facility. All corrective action for releases of hazardous waste or hazardous constituents at the Laboratory facility shall be conducted solely under the Consent Order and not under the current Hazardous Waste Facility Permit. The Laboratory's RS project is largely responsible for implementing the requirements of and ensuring compliance with the Consent Order.

The purposes of the Consent Order include:

- Fully determine the nature and extent of releases of contaminants at or from Sites located at the Laboratory facility.
- Identify and evaluate, where needed, alternatives for corrective measures, including interim measures, to clean up contaminants in the environment, and to prevent or mitigate the migration of contaminants at or from the Laboratory facility.
- Implement such corrective measures.

The general process for evaluating and remediating Sites is called the corrective action process, which consists of the steps outlined below.

- Collect and evaluate existing data and information about the Sites.
- Determine what Sites need to be further investigated.
- Develop a plan to collect and evaluate data and information that do not exist about the Site.
- Evaluate if contaminants have been released.
- If a release has occurred, determine the "nature" (the origin, type, and amount of chemicals, either natural or man-made, that are present in the environment) and "extent" (the way a chemical is distributed in the environment) of the contamination.

- Conduct risk assessments - human health and ecological - if necessary.
- Determine and complete appropriate/approved cleanup activities.
- Document all decisions and conduct stakeholder involvement activities.
- Implement long-term surveillance and monitoring activities - if necessary.

The Site data and information collected by the RS project is used by this SWMU/SWPPP to identify potential pollutants, as discussed further in Section 4.2.3.2.

2.2.3. Facility Management Program

The Facility Management Program formalizes and clarifies the Laboratory's approach to managing its facilities. It integrates operations with engineering, maintenance, health and safety programs, environmental compliance, safeguards and security, and Laboratory policies, procedures, and standards. The Facility Management Program defines at the institutional level the requirements, roles, and responsibilities needed to effectively and efficiently manage Laboratory facilities.

The Laboratory is divided into clearly delineated Facility Management Units (FMUs). Each FMU is under the ownership of a Division Director. Each Facility Manager defines and directs a facility management support team (FMST). The FMST is responsible for ensuring that the requirements of the applicable facility-specific SWPPP(s) are met. Appendix 3 lists FMUs responsible for the Laboratory's conventional industrial activity SWPPPs.

2.3 Los Alamos Surface Water Assessment Team

The SWAT consists of personnel from ENV-WQH, the RS Project, DOE-LASO, DOE Oversight Bureau (DOE-OB), NMED-SWQB, and NMED Hazardous Waste Bureau (HWB). The SWAT is tasked with reviewing aspects of the Laboratory's Storm Water Management Program for the MSGP and the FFCA. The SWAT role is to provide a review of storm water issues and to build consensus on recommendations associated with Sites and watersheds. Items of discussion include, but are not limited to:

- Selection of monitoring locations
- Identification of potential pollutants
- Determination of wSALs
- Corrective actions decisions
- BMP effectiveness studies

- Permitting concerns

2.4 Local Watershed Management Efforts

LANL works with and provides information for various local entities engaged in watershed management efforts, as discussed further in this section.

2.4.1. Pajarito Plateau Watershed Partnership

The Pajarito Plateau Watershed Partnership (PPWP) is a regionally-based group of citizens and professionals concerned with issues affecting watersheds on the eastern flank of the Jemez Mountains in northern New Mexico. This area includes Los Alamos, San Ildefonso Pueblo, Española and the surrounding areas. The group studies issues of water quality, erosion, and water quantity.

PPWP is currently engaged in watershed restoration projects in the Cerro Grande burned area with a grant from EPA. Working with the Volunteer Task Force, PPWP is focusing on water quality issues related to post-fire runoff from Water Canyon to Santa Clara Canyon, with an emphasis on the Pueblo and Rendija Watersheds. Additional information is provided at http://www.volunteertaskforce.org/ppwatershed/PPWP%20Links.htm.

2.4.2. The Volunteer Task Force

The Volunteer Task Force (VTF) is a community-based group that provides opportunities for students and adult volunteers to participate in ecological restoration and citizen science projects that benefit fire and drought affected communities in the Southwest. VTF implements on-the-ground projects to renew burned ponderosa pine forest, rejuvenate piñon-juniper woodlands, and provide data to land managers on post-fire recovery.

VTF works with representatives from local organizations, Los Alamos County, the United States Geological Survey, the United States Department of Agriculture Forest Service, the National Park Service, LANL and other federal agencies, and provides students with hands-on service learning projects, including environmental education, ecological restoration, trail restoration and building and post-fire, post-mitigation environmental monitoring. Additional information is provided at http://www.volunteertaskforce.org/VTF%20Home.htm.

2.4.3. Los Alamos County

Los Alamos County participates in the PPWP and VTF. The county is responsible for storm water management from the town site under a CGP. Some Sites under this SWMU/SWPPP are located on county property. Work at these Sites is coordinated through an Access Agreement

between Los Alamos County and the Laboratory. Additional information is provided at http://www.lac-nm.us/.

2.4.4. East Jemez Resource Council

The East Jemez Resource Council's primary goal is to maintain and enhance the natural and cultural resources of the East Jemez Mountains so that it may be sustained and appreciated by current and future generations. The Council is a group of natural and cultural resource professionals. Their efforts are geared towards management of natural and cultural resources.

2.4.5. Northern New Mexico Citizens Advisory Board

The Northern New Mexico Citizens' Advisory Board (NNMCAB) is a community advisory group that was chartered in 1997 to provide citizen input to DOE on issues of environmental remediation and cleanup, waste management, monitoring and surveillance, and long-term stewardship at LANL. NNMCAB is dedicated to increasing public involvement, awareness and education relating to environmental remediation and management activities at LANL, and strives to ensure that decisions about LANL include informed advice from the community. Additional information is provided at http://www.nnmcab.org/.

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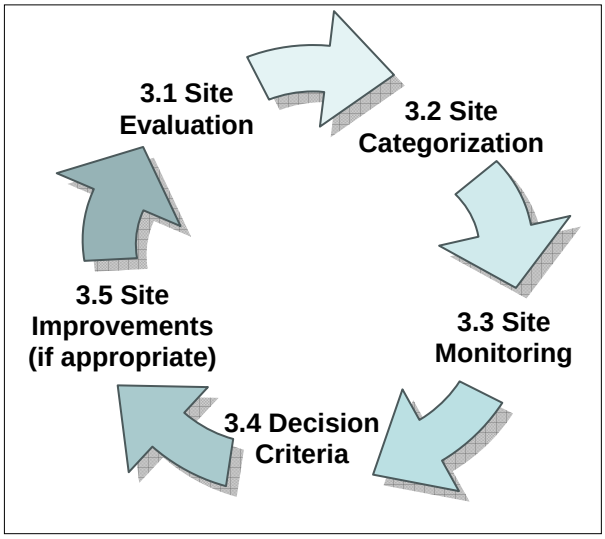
3.0 SITE EVALUATION PROCESS

Site characteristics, such as those relating to history of use, potential releases, and surface drainage patterns, vary greatly among the Sites. Consequently, the Sites have varied potential to impact storm water quality, and a graded approach is used to prioritize and implement requirements under the FFCA. The Laboratory's Site evaluation process, illustrated on Figure 3-1, provides a systematic approach to characterization of the Site and a means to assess and appropriately respond to storm water concerns.

Figure 3-1. Site Evaluation Process



The first step in the process is to perform the Site evaluation (Section 3.1). The output of the evaluation allows the Site to be placed in one of several categories that have specific requirements under the FFCA (Section 3.2). After performing the required Site monitoring (Section 3.3), depending on category (some categories require no monitoring), the FFCA decision criteria are applied to the available storm water runoff data (Section 3.4). If appropriate, Site improvements are made (Section 3.5). The Site evaluation process is continuous for as long as the Site is subject to the requirements of the FFCA. As monitoring continues for the Site, decision criteria are applied to the new available data and may result in placement of the Site in a different category.

3.1 Site Evaluation

There are three main steps to the Site evaluation process:

1. A surface water site assessment is completed to determine the Site-specific erosion matrix potential, which indicates if the Site has a low, medium, or high potential to affect surface water quality.

2. The outputs of the surface water site assessment are evaluated by the SWAT.

3. As data and information about the Site are updated, the Site undergoes re-evaluation.

These steps are described in the following sections.

3.1.1. Surface Water Site Assessment

The LANL standard operating procedure (SOP) *Surface Water Site Assessments* (LANL SOP-2.01) applied the process for determining whether a Site has the potential to adversely affect

surface water quality. LANL initiated the Surface Water Site Assessment procedure in 1997, and has applied the process to all Sites.

The Surface Water Site Assessment is carried out in two parts, as described below.

- Part A of SOP-2.01 addresses both current and historic LANL operations that are known to have occurred at the Site, the potential or probable constituents of concern for the Site, and the status of work or actions taken at the Site. Part A uses only existing information and/or data available for the Site of interest. Existing soil and sediment sample data are provided to reflect only current ambient Site field conditions that may impact water quality. Chemicals of potential concern (COPCs) that are present above LANL background levels (LANL 1998b, LANL 2003a) for inorganics and radionuclides and/or detected organic chemicals are identified for surface soil samples (i.e. top depth less than or equal to 6 inches and bottom depth less than or equal to 18 inches).

- Part B of the procedure involves evaluating the erosion/sediment transport potential at each Site using a pre-developed field assessment form. The information collected is used to rate the erosion potential of each Site using a matrix system. Two-person teams are organized to perform the assessments based on field observations. Erosion potential factors are broken into three categories: 1) Site Setting; 2) Runoff Factors; and 3) Run-on Factors. Once the field assessment is completed, an erosion matrix score is calculated on a scale of 0 to 100, with a score of 0 indicating no erosion potential, and a score of 100 indicating maximum erosion potential.

Examples of the Surface Water Site Assessment forms for Part A and Part B are provided in Appendix 4. The results of the Surface Water Site Assessments are recorded and tracked in the SWTS module of the WQDB.

3.1.2. SWAT Evaluation

The Los Alamos SWAT meets regularly to evaluate completed surface water site assessments. In the past, the erosion matrix scores were used as a prioritization tool to schedule monitoring, stabilization, erosion control, and remediation decisions. For most of the Sites listed in Table 2 of the FFCA, the SWAT completed a pre-FFCA evaluation to assess the Site for potential sediment/contaminant migration and to prioritize potential corrective actions for the Site. The SWAT findings were communicated to the appropriate landlord/owner and LANL management for implementation. The recommendations vary by Site depending on the amount of information that is available. Typical SWAT recommendations include:

- Providing run-on controls

- Providing erosion/sediment migration controls

- Assuring that the site has been finally stabilized

- Removal of debris from a watercourse

- Remediation of the site
- Providing missing relevant information
- Collection of more analytical information

The SWAT evaluations and recommendations are recorded and tracked in the SWTS module of the WQDB.

3.1.3. Site Re-Evaluation

As a Site proceeds through the Site evaluation process illustrated in Figure 3-1, various factors (e.g., analytical monitoring results and/or the implementation of corrective actions) may warrant a re-assessment of the Site. The re-evaluation may require re-assessment of the erosion matrix score, or may be triggered by a change in the regulatory status of a Site.

3.1.3.1 Erosion Matrix Score Re-assessment

Conditions under which a modification or re-evaluation of Surface Water Site Assessment Part B assessment are triggered are summarized in Section 8.4 of SOP-2.01. The following factors may lead to re-assessment of the erosion matrix score.

- Corrective actions and/or restoration activities that take place at the Site.
- Construction activities that take place at the Site.
- Request for document/proposal preparation regarding the Site.
- Site overlooked or initial assessment conducted at the wrong location or Site.
- Change in environmental conditions at the Site.
- Storm water permit changes.
- Verification of stabilization after a closeout inspection.

As a quality management measure, LANL will annually perform a re-assessment using SOP 2.01 Part B for:

- Low potential Sites that currently score greater than 35 up to and including 40.
- Medium potential Sites that currently score between 40 and 45.

Under this section, LANL will report the outcome of erosion matrix score re-assessments performed in the previous year, as applicable. No surface water Site re-assessments were performed in 2004.

3.1.3.2 Change in Site Regulatory Status

In the annual update to the SWMU/SWPPP, DOE will report changes to the regulatory status of Sites, such as the approval of NFA for a Site, as well as other changes, such as changes in erosion scores. For instance, in recent correspondence dated January 21, 2005, Region 6 of EPA provided the New Mexico Environment Department and DOE/UC a list of AOCs previously approved by EPA for NFA. As a consequence, those units have been taken out of this SWMU/SWPPP. A complete list of AOCs and SWMUs identified in the FFCA which have received NFA determinations is provided in the Table 3-1.

Table 3-1. FFCA Sites that have Attained Formal NFA Status

Site ID	Consolidated Unit ID	Date NFA Approved	Reference(s)
00-010(a)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
00-029(b)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
03-009(c)		Removed from HSWA Module VIII on 5/2/2001	NMED 2001a
03-012(a)		Removed from HSWA Module VIII on 12/23/1998	NMED 1998
03-045(i)		Removed from HSWA Module VIII on 5/2/2001	NMED 2001a
03-055(b)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
11-003(a)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
16-010(g)		Removed from HSWA Module VIII on 12/23/1998	NMED 1998
21-027(b)		Removed from HSWA Module VIII on 12/23/1998	NMED 1998
33-010(e)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
35-005(a)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
35-006		Removed from HSWA Module VIII on 05/02/2001	NMED 2001a
42-004		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
46-004(i)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
46-004(j)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
46-004(o)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
53-012(a)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
53-012(b)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
53-012(c)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
53-012(d)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
54-007(c)	54-007(c)-99	Removed from HSWA Module VIII on 09/05/2003	NMED 2003
55-011(a)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
55-011(b)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
55-011(c)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
55-011(e)		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
73-007	73-005-99	Approved by NMED 03/28/2001	NMED 2001b
C-35-004		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005

Site ID	Consolidated Unit ID	Date NFA Approved	Reference(s)
C-35-005		Approved by EPA; reconfirmed by EPA 01/21/2005	EPA 2005
C-73-005(a)	73-005-99	Approved by NMED 03/28/2001	NMED 2001b
C-73-005(b)	73-005-99	Approved by NMED 03/28/2001	NMED 2001b

3.2 Site Categorization

After completing the Surface Water Site Assessment according to SOP-2.01, each Site is assigned to a category that indicates the relative potential of the Site to adversely impact surface quality. Using the assigned erosion matrix score, each individual Site is categorized as having low, medium, or high potential to impact surface water quality.

Low potential: Sites with an erosion matrix score of equal to or less than 40 are considered to have a low potential for constituents in surface water and/or sediment in storm water runoff to migrate off the site to impact surface water quality. The low potential Sites are listed in Appendix 5.

Medium potential: Sites with an erosion matrix score between 40 and 60 are considered to have a medium potential for constituents in surface water and/or sediment in storm water runoff to migrate off the site to impact surface water quality. The medium potential Sites are listed in Appendix 6.

High potential: Sites with an erosion matrix score greater than 60 are considered to have a high potential for constituents in surface water and/or sediment in storm water runoff to migrate off the site to impact surface water quality. The high potential Sites are also listed in Appendix 6.

The Site-specific requirements pursuant to the FFCA and described in this SWMU/SWPPP, including monitoring, decision criteria, and reporting requirements, vary by category, as defined in Table 3-2. These three Site categories are discussed in more detail in the following sections. The medium and high potential categories are discussed together because the FFCA and SWMU SWPPP requirements are the same.

The ENV-WQH SWTS database system is used to generate a completed Site-Specific SWPPP Form for each medium or high potential Site. SWAT recommendations for an individual Site are tracked using the SWTS, along with Site-specific information and BMP implementation data. The Site-Specific SWPPP Form provides a description of the potential pollutants and controls implemented at each Site, and is maintained and updated at least annually until NFA status is approved for the Site. A blank Site-Specific SWPPP Form is provided in Appendix 4; completed forms are provided in Volume 2 of this SWMU/SWPPP.

Table 3-2. SWMU/SWPPP Requirements by Site Category

Site Category	Number of Sites	SWPPP Requirement by Category					
		Site-Specific SWPPP Form	Structural BMPs	Monitoring	FFCA Decision Criteria	FFCA Corrective Action	FFCA Reporting
Low Potential (<40)	~1042	No	No	Watershed-scale	No	No	No
Medium Potential (40-60)	196	Yes	Varies	Site-specific	Yes	Yes	Yes
High Potential (>60)	98	Yes	Varies	Site-specific	Yes	Yes	Yes

Several Site subcategories have been defined that may apply to low, medium or high potential Sites, and are described in Section 3.2.3:

- Sites that do not demonstrate a storm water discharge.
- Sites that have undergone final stabilization.
- Burned Sites that were stabilized to mitigate the impact of the Cerro Grande Fire in May 2000.
- Sites co-located with conventional industrial activities.

3.2.1. Low Potential Sites

No immediate action is generally required for low potential Sites, which are listed in Appendix 5. Site-Specific SWPPP Forms are not maintained for the low potential Sites and structural BMPs have not been recommended by the SWAT. The Laboratory does not conduct Site-specific monitoring at the low potential Sites. Watershed-scale monitoring conducted at gage stations located in the major canyon drainages, described in the Laboratory's SWMP document (LANL 2004, LANL 2005), is used, in part, to assess the overall impact of the low potential Sites. The decision criteria defined in the FFCA are not applied to low potential Sites, and no Site-specific reporting is required. The low potential Sites will continue, as necessary, to be evaluated for other possible unacceptable environmental risks such as human health and ecological risks by the Laboratory's RS Project.

3.2.2. Medium and High Potential Sites

Of the over 1,300 Sites that are subject to the requirements of this SWMU SWPPP, 294 Sites (approximately 20%) fall into the medium potential and high potential category. These Sites are listed in Table 2 of the FFCA, and are subject to specific monitoring, corrective action, and reporting requirements pursuant to the FFCA. Of the over 1,300 Sites, 196 Sites (approximately 15%) fall into the medium potential category and 98 Sites (7%) fall into the high potential category, as indicated in Appendix 6. Most of the medium and high potential Sites have structural BMPs installed. The FFCA requires Site-specific monitoring and reporting at the medium and high potential Sites. The decision criteria defined in the FFCA are applicable, and

may result in corrective action to control the migration of pollutants in storm water runoff from a medium or high potential Site.

3.2.3. Site Subcategories

3.2.3.1. "No-Discharge" Sites

"No Discharge" Sites is a subcategory of those Sites that do not demonstrate a storm water discharge or are not exposed to water. "No-discharge" Sites are usually located on the mesa tops and have the following descriptions.

- Air exhaust systems and stack emissions
- Buildings and structural facilities
- Buried waste items
- Container storage facilities
- Drop towers
- Floor drains and sumps
- Grease traps
- Incinerators
- Manholes, underground storage tanks, septic tanks

Also, Sites that have been covered by cement or asphalt, or that have had structures constructed on top of them, are considered to be no-discharge Sites. Generally, no-discharge Sites fall into the low potential category.

3.2.3.2. Stabilized Sites

Several low potential Sites have been restored and/or are in a stable condition and have been either remediated by the RS Project or have had structural BMPs installed based on SWAT recommendations.

These low potential Sites have been inspected and maintained for an adequate period of time to assure that final stabilization has occurred (generally over a 1-year period). Final stabilization is defined as: all soil disturbing activities at the Site have been completed and a uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. ENV-WQH personnel in

coordination with the SWAT and NMED will make final determinations regarding site stabilization status.

3.2.3.3. Stabilized Burned Sites

The Cerro Grande Fire in May 2000 affected approximately 315 Sites to some extent. Of the 315 Sites located within the burned area, 108 Sites are listed in Table 2 of the FFCA. The SWAT recommended installation of BMPs at 91 Sites to minimize impacts from storm water runoff (LANL 2000a, LANL 2000b). BMPs for these Sites included geotextile matting, rock check dams, log-silt barriers, reseeding and mulching, and straw wattles. The Sites have achieved final stabilization from impacts as a result of the Cerro Grande fire.

3.2.3.4. Co-located Sites

Appendix 3 provides the detailed list of 164 Sites that are co-located conventional industrial activities, and the corresponding facility-specific conventional SWPPP. Management of storm water discharge from the co-located Sites is subject to the requirements of both this SWMU/SWPPP, as well as the conventional SWPPP. The co-located Sites - which fall into low, medium, and high categories - are subject to the monitoring requirements of the MSGP, including monitoring for Sector K benchmark pollutants. Medium and high potential co-located Sites are also subject to the monitoring requirements of the FFCA, which will usually be performed at the conventional site gage stations.

3.3 Site Monitoring

Analytical monitoring of storm water discharges from Sites is governed by requirements set forth in the FFCA and in the MSGP. Discharges from low potential Sites are captured through watershed-scale gage station monitoring. Appendix 7 provides a list of Sites located upstream from gage stations. Additional monitoring is not conducted specifically for low potential Sites because there is a low potential for constituents in storm water runoff and/or sediment in storm water runoff to migrate off the Site. The watershed-scale monitoring is described in detail in the Laboratory's SWMP document (LANL 2004, LANL 2005).

Site-specific storm water runoff monitoring is conducted for all medium and high potential Sites at Site Monitoring Area (SMA) sampling locations, using either automated samplers or single stage samplers. The FFCA requires that monitoring be initiated at each of the 294 medium and high potential Sites over a four-year period starting in 2004. Site monitoring will be conducted during this calendar year for those Sites listed in the Site-Specific Storm Water Sampling Plan (Attachment 2).

In order to conform to the FFCA and the compliance schedule, four samples are to be collected during each calendar year, following precipitation events that produce a discharge in volumes large enough to allow for sample collection. One of the four samples may be collected during snowmelt runoff. Procedures and protocols for monitoring are provided in the Site-Specific Storm Water Sampling Plan. A Surface Water Sampling Field Sheet, provided in Appendix 4, is

completed every time a sample is collected from a gage station or SMA monitoring station. Telemetry at gage stations is utilized to alert ENV-WQH staff of a storm event. Staff then collect samples from the gage stations and surrounding SMA sampling locations. Sufficient volume will be collected to provide for samples for each required analytical suite. More information on monitoring is provided in Section 4.7.

The FFCA is based on the analytical monitoring requirements in the MSGP which allows a grab sample, defined as a discrete, individual sample taken within a short period of time, usually less than 15 minutes. The MSGP requires that the grab samples be collected within the first 30 minutes of flow from the discharge resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (i.e., greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding measurable storm did not yield a measurable discharge, or if the facility can document that less than a 72-hour interval is representative for local storm events during the sampling period (65 FR 64746, Section 5.2.2).

3.4 Decision Criteria

Within the FFCA, established decision criteria are provided that direct the need and extent of future monitoring at the SMA sampling location for a Site. Based on analytical results, Sites may be required to continue monitoring at the current rate, implement corrective actions, or reduce or eliminate monitoring. Analytical monitoring data will be made available to the SWAT within 30 days from the date that data become available in the WQDB. The SWAT will review and evaluate the monitoring data and apply the decision rules outlined in the following sections. The FFCA decision criteria are applied to Site monitoring results to determine if Site improvements are necessary, and to determine additional monitoring requirements.

Provided below are decision criteria to be implemented based on sample results.

3.4.1. Storm Water Screening Action Levels

The purpose of the storm water monitoring mandated by the FFCA is to determine if there is a release or transport of a pollutant from a Site into surface water that could cause or contribute to a violation of applicable surface water quality standards, including the antidegradation policy, or an applicable waste load allocation. The determination of whether Site releases could cause or contribute to a contravention of applicable water quality standards will be made by comparison of the concentration of a chemical in storm water runoff with a LANL-specific wSAL.

The wSAL may be based upon an applicable State of New Mexico water quality criterion, an acute aquatic life criterion, or a MSGP Benchmark value for Sector K (Hazardous Waste Treatment, Storage, or Disposal Facilities, including SWMUs). At this time, the applicable water quality standards are those for Livestock Watering, Wildlife Habitat, and Human Health criteria for persistent toxic pollutants as adopted by the New Mexico Water Quality Control Commission (WQCC) and set forth at New Mexico Administrative Code (NMAC) 20.6.4.900 (New Mexico 2002).

The wSALs for each pollutant are determined in stepwise fashion by evaluating, in the following order, the applicable New Mexico WQCC water quality standards, the WQCC acute aquatic life standards, and EPA MSGP parameter benchmark values. The wSALs are derived by following the decision logic detailed in the LANL SWMP (LANL 2004, LANL 2005). The derived wSALs are summarized in Table 3-3.

Table 3-3. Summary of LANL Storm Water Screening Action Levels

Pollutant	CAS Number	wSAL (µg/L)	wSAL Basis
Aluminum	7429-90-5	5,000	Livestock Watering standard for dissolved concentration.
Ammonia (as N)	7664-41-7	19,000	Acute Aquatic Life standard for ammonia concentration in an unfiltered sample.
Antimony	7440-36-0	4,300	Persistent Human Health standard for dissolved concentration.
Arsenic	7440-38-2	24.2	Persistent Human Health standard for dissolved concentration.
Barium	7440-39-3	TBD	wSAL to be determined.
Beryllium	7440-41-7	130	Acute Aquatic Life standard for dissolved concentration.
Boron	7440-42-8	5,000	Livestock Watering standard for dissolved concentration.
Cadmium	7440-43-9	55	Livestock Watering standard for dissolved concentration converted to total recoverable concentration using EPA chronic conversion factor.
Chemical oxygen demand	--	120,000	MSGP benchmark monitoring cutoff concentration for Sector K.
Chlorine residual	7782-50-5	11	Wildlife Habitat standard for residual chlorine in an unfiltered sample.
Chromium	18540-29-9	1,163	Livestock Watering standard for dissolved concentration converted to total recoverable concentration using EPA chronic conversion factor.
Cobalt	7440-48-4	1,000	Livestock Watering standard for dissolved concentration.
Copper	7440-50-8	521	Livestock Watering standard for dissolved concentration converted to total recoverable concentration using EPA chronic conversion factor.
Cyanide, total	57-12-5	63.6	MSGP benchmark monitoring cutoff concentration for Sector K.
Cyanide, weak acid dissociable	57-12-5	5.2	Wildlife Habitat standard for weak acid dissociable cyanide in an unfiltered sample.
Lead	7439-92-1	126	Livestock Watering standard for dissolved concentration converted to total recoverable concentration using EPA chronic conversion factor.
Magnesium	7439-95-4	63.6	MSGP benchmark monitoring cutoff concentration for Sector K.
Mercury, total	7439-97-6	0.77	Wildlife Habitat standard for mercury in an unfiltered sample.
Molybdenum	7439-98-7	TBD	wSAL to be determined.

Pollutant	CAS Number	wSAL (µg/L)	wSAL Basis
Nickel	7440-02-0	4,614	Persistent Human Health standard for dissolved concentration converted to total recoverable concentration using EPA chronic conversion factor.
Perchlorate	7601-90-3	Report	Results for perchlorate anion will be reported only.
Selenium	7782-49-2	5	Wildlife Habitat standard for total recoverable selenium.
Silver	7440-22-4	4.1	Acute Aquatic Life standard for dissolved concentration converted to total concentration using EPA acute conversion factor.
Thallium	7440-28-0	6.3	Persistent Human Health standard for dissolved concentration.
Vanadium	7440-62-2	100	Livestock Watering standard for dissolved concentration.
Zinc	7440-66-6	25,355	Livestock Watering standard for dissolved concentration converted to total recoverable concentration using EPA chronic conversion factor.
Aldrin	309-00-2	0.0014	Persistent Human Health standard for concentration in an unfiltered sample.
Benzo(a)pyrene	50-32-8	0.49	Persistent Human Health standard for concentration in an unfiltered sample.
Gamma-BHC (Lindane)	58-89-9	0.95	Acute Aquatic Life standard for concentration in an unfiltered sample.
Chlordane	57-74-9	0.022	Persistent Human Health standard for concentration in an unfiltered sample.
4,4'-DDT and derivatives	50-29-3	0.001	Wildlife Habitat standard for concentration in an unfiltered sample.
Dieldrin	60-57-1	0.0014	Persistent Human Health standard for concentration in an unfiltered sample.
2,3,7,8-TCDD Dioxin	1746-01-6	1.40E-07	Persistent Human Health standard for concentration in an unfiltered sample.
alpha-Endosulfan	959-98-8	0.22	Acute Aquatic Life standard for concentration in an unfiltered sample.
beta-Endosulfan	33213-65-9	0.22	Acute Aquatic Life standard for concentration in an unfiltered sample.
Endrin	72-20-8	0.086	Acute Aquatic Life standard for concentration in an unfiltered sample.
Heptachlor	76-44-8	0.52	Acute Aquatic Life standard for concentration in an unfiltered sample.
Heptachlor epoxide	1024-57-3	0.52	Acute Aquatic Life standard for concentration in an unfiltered sample.
Hexachlorobenzene	118-74-1	0.0077	Persistent Human Health standard for concentration in an unfiltered sample.
PCBs	1336-36-3	0.0017	Persistent Human Health standard for concentration in an unfiltered sample.
Pentachlorophenol	87-86-5	19	Acute Aquatic Life standard for concentration in an unfiltered sample.
RDX	121-82-4	200	Effluent limitation set forth in NPDES Permit No. NM0028355.

Pollutant	CAS Number	wSAL (µg/L)	wSAL Basis
Tetrachloroethylene	127-18-4	88.5	Persistent Human Health standard for concentration in an unfiltered sample.
Toxaphene	8001-35-2	0.73	Acute Aquatic Life standard for concentration in an unfiltered sample.
2,4,6-Trinitrotoluene	118-96-7	20	Effluent limitation set forth in NPDES Permit No. NM0028355.
Ra-226 + Ra-228	--	30 pCi/L	Livestock Watering standard for concentration in an unfiltered sample.
Tritium	10028-17-8	20,000 pCi/L	Livestock Watering standard for concentration in an unfiltered sample.
Total gross alpha	--	15 pCi/L	Livestock Watering standard for concentration in an unfiltered sample.

This table will be modified to reflect applicable changes to State of New Mexico water quality standards. SWMPs will also be modified accordingly.

CAS = chemical abstracts service
µg/L = micrograms per liter
PCBs = polychlorinated biphenyl [compounds]
pCi/L = picocuries per liter
Ra = radium
RDX = royal demolition explosive
TBD = to be determined
wSAL = storm water screening action level

If there is no applicable water quality standard (i.e., Livestock Watering, Wildlife Habitat, or Human Health Persistent) or aquatic life criteria, or applicable EPA MSGP benchmark for the pollutant, and if the pollutant is detected in storm water runoff, the criterion for a wSAL may be developed using protocols described at NMAC 20.6.4.12 (F)(2) and in National Recommended Water Quality Criteria: 2002 (EPA 2002a). Alternatively, protocols used by EPA to develop NPDES effluent limitations and benchmark values may be applied. Where no appropriate criterion or protocol is available, an acceptable wSAL may be developed in consultation with NMED and EPA Region 6.

Exceedances of wSALs are not necessarily violations of water quality standards. The wSALs are to be used as a screening tool to assess whether potential ecological or human health impacts may develop due to the concentrations of various chemicals discovered in storm water runoff; and/or to assess the performance of best management practices (BMPs) that are implemented at Laboratory Sites to control the release and transport of contaminants.

3.4.2. Has Release and/or Transport of a Pollutant Occurred?

The decision of whether a release or transport of a pollutant from a Site has occurred is made by comparing analytical monitoring data with wSALs listed in Table 3-2. For each analyte, and at each monitoring station, the analytical data collected since January 1, 2004, are evaluated over both a monthly and a quarterly monitoring period, following the decision logic illustrated in Figure 3-2.

The number of single grab results collected during (1) the previous month and (2) during the current three-month period – for both filtered (dissolved) and unfiltered (total recoverable (TR)) samples – available for the analyte at each monitoring station is determined. The following

comparisons are performed and based on the outcome, either the corrective process described in Section 3.4.3 will be initiated, or the monitoring station will be evaluated for continued monitoring following the process described in Section 3.4.4.

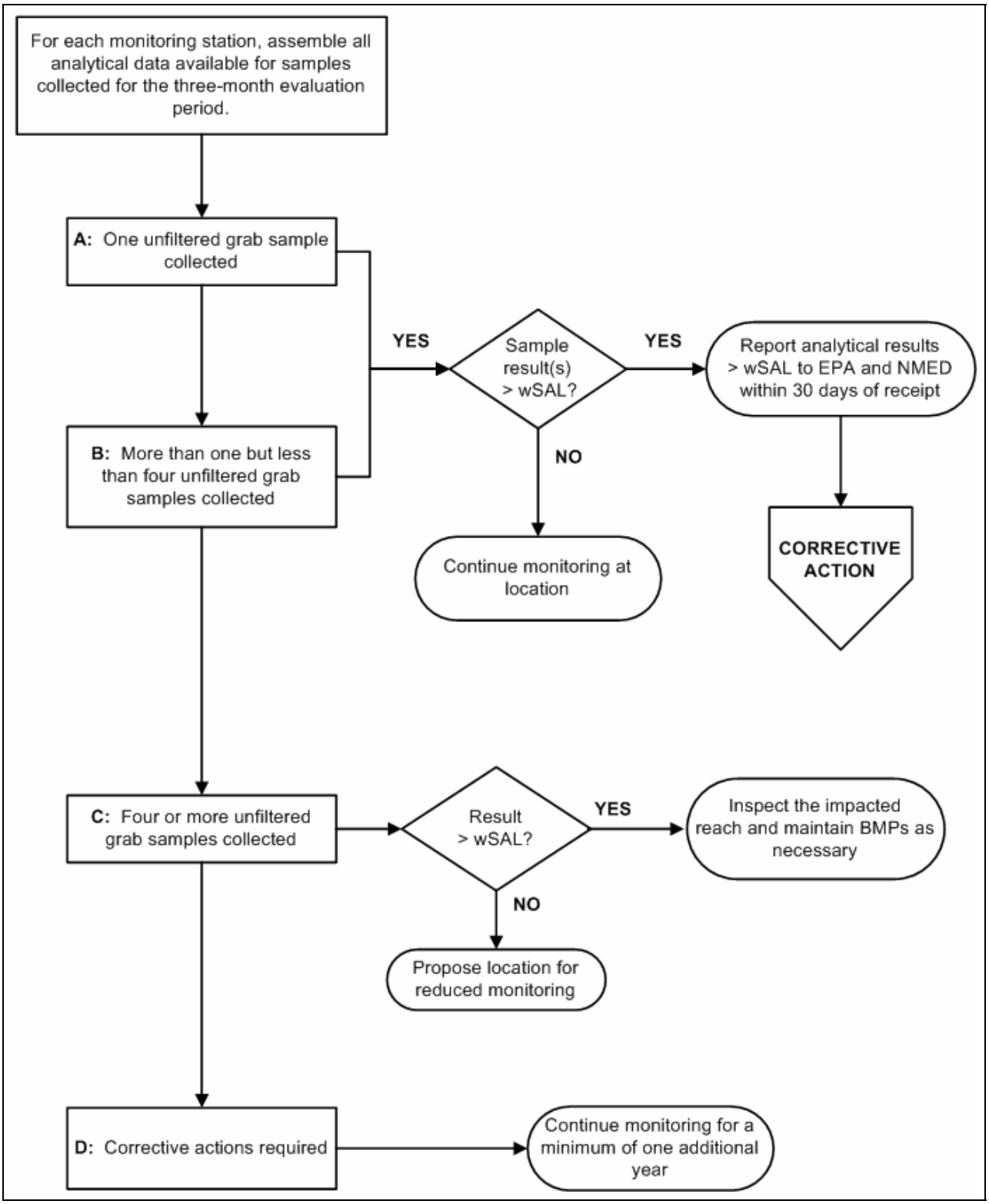
A. If only one unfiltered grab sample is collected in a three-month period and the analytical result is greater than the wSAL, Then DOE will identify the source and implement corrective actions.

B. If more than one, but less than four unfiltered grab samples are collected in a three month period, and the analytical results of any one sample exceeds the wSAL, the DOE will identify the source and implement corrective actions.

C. If four or more unfiltered samples are collected during a three-month period, and the analytical result of only one sample is greater than the wSAL, then DOE will, at a minimum, examine the Site, and make repairs if necessary. No additional corrective action is required at that time.

If corrective actions are required at any SWMU or AOC, then monitoring shall continue for a minimum of one additional year.

Figure 3-2. Evaluation of Release and/or Transport of a Pollutant from a Site



TR = total recoverable

3.4.3. Corrective Action Process

If corrective action is warranted as the outcome of evaluating the decision rules for release and/or transport of a pollutant, the following process will be initiated within 30 days of receipt of the monitoring results. For the purposes of SWMU/SWPPP, corrective action may include: installation, re-examination, repair and/or modification of BMPs; or source identification to control or eliminate the source or migration of pollutants or contaminants. The Corrective Action Process is described as follows:

1. Validate data based on Laboratory quality assurance (QA)/quality control (QC) protocol.

2. Identify potential source term(s) for the pollutant.

   - Available site history information and soil sample data for the Site is evaluated.

   - Potential contamination sources from storm water run-on onto the Site are considered.

   - For Sites potentially impacted by non-Laboratory source terms (e.g., adjacent to Los Alamos County), evaluate potential non-Laboratory sources of the pollutant.

3. Determine if the presence of the pollutant is attributable in whole or part to Laboratory operations.

   - Information gathered regarding potential source terms, together with the relevant monitoring data, will be provided to EPA, NMED, and the SWAT for review and comment. The SWAT will make recommendations to EPA regarding pollutant sources using an established and published regulatory framework and after review of all relevant technical data.

   - The SWAT may use existing Laboratory data sets for naturally-occurring background levels of inorganic and/or fallout concentrations of radionuclide constituents in mesa-top soils (LANL 1998b) and canyon sediments (LANL 2003a) to inform the decision. If the SWAT determines that additional background or baseline sampling is appropriate, a sampling plan will be developed and provided to NMED.

   - If it is determined that the presence of the pollutant is not attributable to Laboratory operations, the corrective action process may be re-evaluated and the monitoring station will be evaluated for continued monitoring following the process outlined in Section 3.4.4.

4. Evaluate the scope and priority for corrective action implementation.

   - Based on the results of the assessment of the cause of wSAL exceedances, the scope of corrective actions will be evaluated by the SWAT.

- Corrective action conducted within the scope of this SWMU/SWPPP is implemented as part of the CWA NPDES compliance program established by the FFCA. Actions implemented on a Site-specific basis under the CWA may include reexamination of existing BMPs, installation of BMPs, and modification or repair of BMPs. BMPs include controls such as silt fences, rock check dams, or run-on diversion.

- NMED may require corrective measures at any Site if NMED determines, based on surface water monitoring data combined with other relevant information, that there has been a release of contaminants into the environment at or from the Site and that corrective action is necessary to protect human health or the environment from such a release.

- The SWAT will prioritize locations for corrective action, taking into consideration the ratio of the measured pollutant concentrations to the wSALs; the number of pollutants observed; and the frequency with which wSALs are exceeded.

5. Prepare and implement corrective action plan.

   - The impacted Site and any in-situ BMPs will undergo inspection by the SWAT. As deemed necessary, Sites may undergo re-evaluation according to SOP-2.01 (LANL 2004a).

   - Clearly visible problems shall be documented and a corrective action plan developed to add or improve BMPs. Best professional judgment will be applied to develop technology-based BMPs on a case-by-case basis using all reasonably available and relevant data.

   - BMP installation may follow a phased approach combined with continued monitoring to assess effectiveness. Each successive monitoring result that is greater than wSAL shall require additional corrective actions.

   - If no problems are evident based on a visual inspection, then a focused investigation of additional sampling, including background sampling where appropriate, may be conducted. In the interim, enhanced run-on controls (e.g., re-grading to divert surface flow elsewhere, or detention basin installation) will be implemented, as the SWAT deems appropriate.

6. Monitor corrective action performance.

   - After corrective action has been implemented, the Laboratory will continue to collect monitoring data at the impacted location for a minimum of one additional year.

3.4.4. Monitoring Reduction Process

The FFCA stipulates that after four samples are collected at a particular monitoring station, the data shall be evaluated and changes to this SWMU/SWPPP proposed, as appropriate, to EPA for approval in the annual update submitted by March 31st following the monitoring period. The number and frequency of constituents monitored at a Site may be reduced or discontinued following the decision logic outlined in Figure 3-3. Should one or more of the Figure 3-3 criteria be met, LANL may request: a reduction in the constituents monitored at the site; a reduction in monitoring frequency at the SMA sampling location for a Site, a combination of reduction of constituents monitored and monitoring frequency, or, discontinuation of monitoring for a Site.

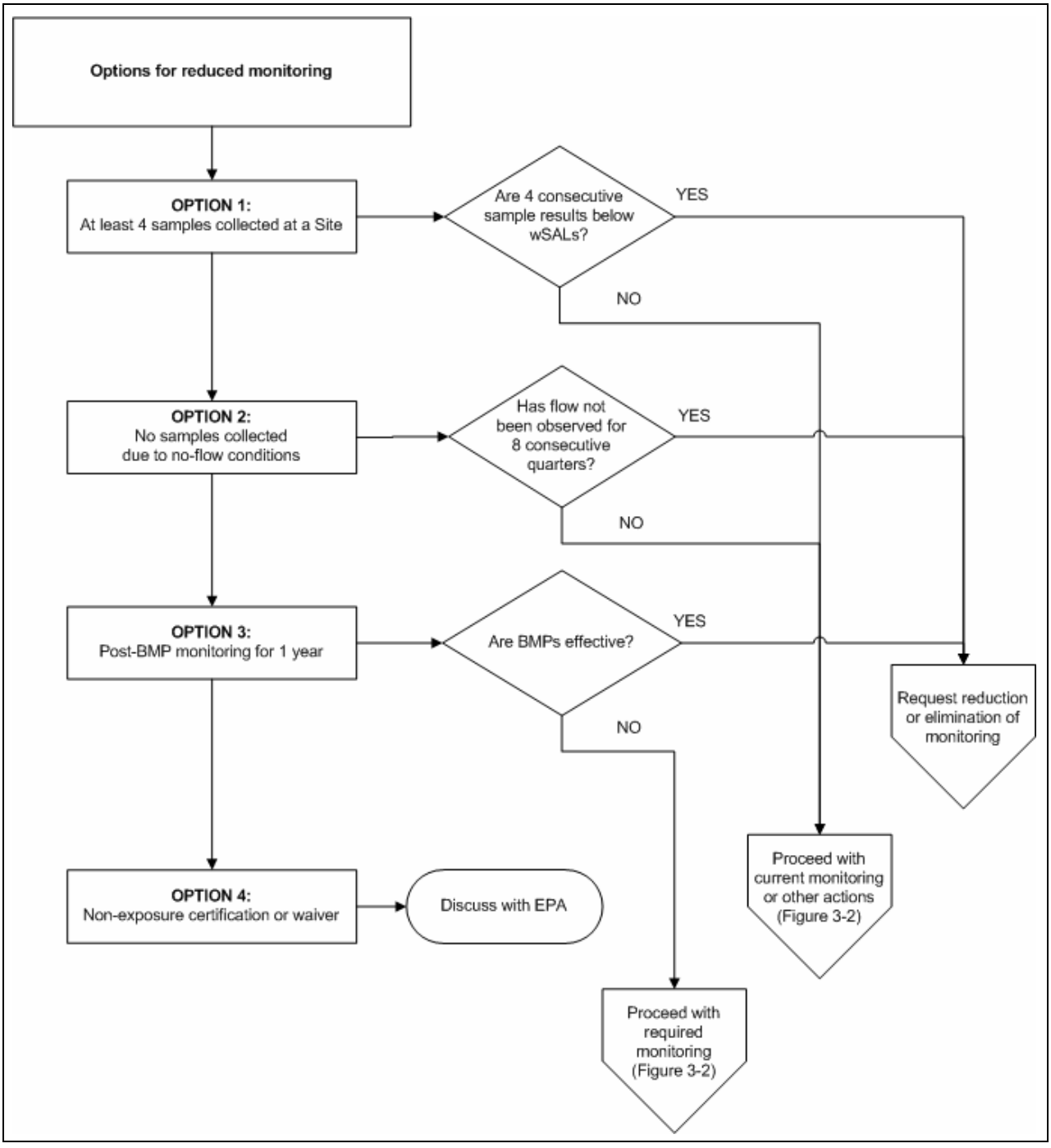
- If four samples have been collected at the Site monitoring station and the measured analytical results are less than wSAL, then the Laboratory will recommend that the analytical monitoring requirements of the FFCA be reduced or discontinued.

- If flow is observed at a Site monitoring station during one year and no sample is collected, the sample trip settings and/or the sample suction line height above the streambed shall be re-evaluated and adjusted, if possible, to collect water.

- If no flow is observed at a Site for 8 consecutive quarters, and the lack of documented flow is not due to a mechanical error or lack of local precipitation, then the Laboratory may recommend that the sampling frequency be reduced.

Additionally, when the monitoring results indicate that a corrective action has successfully mitigated pollutant release and/or transport, as evidenced by meeting all other FFCA criteria, the Laboratory will recommend that the analytical monitoring requirements of the FFCA be reduced or discontinued. The change in monitoring requirements will be proposed to EPA for approval in the annual update to this SWMU/SWPPP submitted by March 31st following the monitoring period.

Figure 3-3. Monitoring Reduction Process



3.5 Site Improvements

Site improvements are made as proactive measures and corrective action responses. Section 3.4.3 provides the process for corrective actions to be followed based on monitoring results for Sites. If appropriate, corrective actions may include: installation, re-examination, repair and/or modification of BMPs. BMP installation, maintenance, and inspection are tracked in the SWTS module of the WQDB.

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4.0 SWPPP Implementation

Section 4 provides information to fulfill the specific FFCA and MSGP regulatory requirements for the over 1,300 Sites at LANL covered under this SWMU/SWPPP. Based on the Surface Water Site Assessment Part B erosion matrix score, as discussed in Section 3.1.1, these sites are categorized as low, medium or high potential Sites.

Site-Specific SWPPP Forms supplement this SWMU/SWPPP by providing the MSGP-required specific information for each medium or high potential Site. Information provided on each Site-Specific SWPPP Form includes:

- An SMA map showing Site boundaries, storm water flow direction, structural controls, surface water bodies, significant materials/potential pollutant sources, major spills and leaks, waste disposal areas, equipment storage areas, outfalls, drainage basin outlines, non-storm water discharges, location and source of run-on containing significant quantities of pollutants, and Site features
- SWPPP Pollution Prevention Team members
- Receiving waters
- Industrial activities at the site
- Potential pollutant sources
- Spills and leaks
- Sampling data
- Storm water controls

A blank form is provided in Appendix 4, and the completed Site-Specific SWPPP Forms are provided in Volume 2 of this SWMU/SWPPP. The Forms are updated at least annually, or as needed.

4.1 Pollution Prevention Team

To facilitate the implementation, maintenance, and revision of this SWMU/SWPPP, a Pollution Prevention Team (Team) has been established for each Site. Generally, Teams consist of members from the FMU responsible for the geographic area where the Site is located, members from RS and ENV-WQH Programs, and/or additional members whose selection is based on their familiarity with the Site location and surrounding operations.

Each Team member receives SWMU/SWPPP training as described in Section 4.5.1.6. A list of the current Team members for each Site is provided on the Site-Specific SWPPP Form. This list is revised when there are changes in Team members or their duties.

4.1.1. Duties of Team Members

The duties of the Pollution Prevention Team members are as follows:

- *Team Leader***:** Appointed by the Facility Manager or owning organization. The Team Leader is responsible for the implementation and maintenance of the SWPPP and its associated BMPs for a specific FMU, and for overseeing the assigned duties of other Team members.

- *Inspections:* A Team member shall be responsible for conducting inspections of Sites. These include periodic evaluations as described in Section 4.5.1.5, and the annual Comprehensive Site Compliance Evaluation detailed in Section 4.6.

- *Record Keeping:* One member of the Team will ensure that inspection documents and other records relating to the SWPPP and storm water pollution control measures are managed in accordance with established document control procedures and forwarded to the appropriate personnel.

- *Training:* A Team member shall ensure that Team members, operational site workers, and applicable supervisors receive training in accordance with Section 4.5.1.6.

- *Plan Revision:* A team member shall be responsible for revision of the SWPPP, as outlined in Section 4.6.2.

Dependent upon the organization of the Team, members may assume multiple responsibilities. Collective responsibilities of all Team members include:

- Implementation of all SWPPP requirements.

- Installation and maintenance of recommended BMPs.

- Implementation of storm water management controls as described in Section 4.5.

- Communication of current information to the owner, RS Program and ENV-WQH.

- Review of proposed work within the Site area to ensure compliance with the SWPPP.

- Proper reporting and record keeping to facilitate the tracking of appropriate corrective actions.

- Completion and documentation of inspections, compliance evaluations, employee training and plan revisions.

4.2 Site Description

LANL and the neighboring residential areas of Los Alamos and White Rock are located in Los Alamos County, in north-central New Mexico, approximately 60 miles north-northeast of Albuquerque and 25 miles northwest of Santa Fe. LANL is part of the National Environmental Research Park (NERP) system administered by DOE. The 40-square mile facility and the adjacent communities are situated on the Pajarito Plateau. The Pajarito Plateau consists of a series of finger-like mesas ranging in elevation from approximately 7,800 feet to about 6,200 feet, and separated by deep east-to-west oriented canyons cut by ephemeral and intermittent streams. Land comprising the LANL facility is largely undeveloped and either serves primarily as safety and security buffer zones, or is being held in reserve by DOE for future use. Large tracts of surrounding land are also held by the Santa Fe National Forest, Bureau of Land Management, Bandelier National Monument, General Services Administration, and San Ildefonso Pueblo.

The LANL facility is divided into technical areas (TA) that are used for building sites, experimental areas, waste disposal locations, roads, and utility rights-of-way. However, these uses account for only a small part of the total land area. Currently, LANL facilities are contained within 49 active TAs spread over 25,600 acres and comprise approximately 5 million square feet of building area. Operational areas within TAs are further divided into FMUs. There are also many inactive TAs, some of which lie outside the present-day Laboratory boundary.

Individual Site descriptions for the medium and high potential Sites are included in the Site-Specific SWPPP Forms, provided in Volume 2 of this SWMU/SWPPP.

4.2.1. Site Drainage Maps

Site maps that show the relative location of low, medium and high potential Sites with respect to facility boundaries and water bodies are provided in Appendix 8. For low potential Sites, these maps serve as Site maps.

For medium to high potential Sites, greater detail is available on the SMA maps attached to the Site-Specific SWPPP Forms, provided in Volume 2 of this SWMU/SWPPP. For the Sites belonging to the SMA, the SMA maps identify location with respect to property boundaries, buildings, and operation and/or process areas. They also provide information on drainage patterns, storm water and erosion control structures, pollutant sources, and receiving streams. These features assist in identifying where pollutants may mix with storm water and in determining storm water management opportunities. SMA maps include the following features, where applicable.

- Facility boundaries including the location of fences, gates and Site boundaries.
- Identification of the predicted direction of storm water flows.
- Locations of all surface water bodies.

- Site boundaries.

- Locations of activities that may be exposed to precipitation. Such activities and areas include processing and storage areas, access roads, locations where transfers of bulk substances occur, areas with machinery, fueling stations, loading/unloading areas, vehicle maintenance areas, liquid storage tanks and locations used for the treatment, storage or disposal of wastes.

- Locations of storm water outfalls and an approximate outline of the area draining to each outfall.

- Location and source of runoff from adjacent properties, if any, containing significant quantities of pollutants of concern to the facility.

4.2.2. Description of Receiving Waters and Wetlands

The receiving waters within LANL are generally ephemeral streams that flow during snowmelt or storm events. Effluent from wastewater treatment plants and cooling tower blow-down enter some canyons and provide surface base flow for those receiving waters. The canyons within LANL run to the Rio Grande.

LANL facility maps showing low, medium and high potential Sites, in Appendix 8, identify the Site locations with respect to the nearest receiving waters, including intermittent streams, dry sloughs, arroyos, wetlands, and special aquatic sites. For medium and high potential Sites, Site-Specific SWPPP Forms provide this information along with more detailed SMA maps showing receiving waters and detailed descriptions of the receiving waters.

4.2.2.1 Local Hydrology

Los Alamos has a semiarid climate with an average rainfall of approximately 18.7 inches per year. The plateau has ponderosa forest at higher elevations that gives way to piñon-juniper woodlands as elevation decreases. The plateau is separated into finger mesas by east-west oriented canyons. The canyon bottoms contain riparian vegetation and stream flows are typically intermittent and fed by snowmelt and/or rainfall. Perennial springs are present on the flanks of the Jemez Mountains and supply base flow to the upper reaches of some canyons, but the volume of flow is insufficient to maintain surface flows across the facility since the streams are depleted by evaporation, transpiration, and infiltration. In addition to snowmelt and rainfall effluents from the sanitary wastewater treatment plant, industrial waste treatment plants, and cooling-tower blow-down enter some canyons at rates sufficient to maintain surface flows for varying distances.

Canyons located within the LANL boundary ultimately drain to the Rio Grande and runoff in some canyons, resulting from large thunderstorms or heavy snowmelt, can reach the Rio Grande several times a year. The intermittent runoff leaving LANL property has been measured at gage stations located on each major canyon. Downstream of LANL, the Rio Grande flows southward to Cochiti Lake through the middle and on into the lower Rio Grande Basin. In this area Rio

Grande surface water is used primarily for crop irrigation in central and southern New Mexico. Since the Cerro Grande fire, total volumes of runoff and peak rates of discharge have increased in Pajarito Plateau drainages. However, even with the increased flows none of the canyons on LANL property average more than 1 cubic foot per second (cfs) of flow annually. By comparison, flows in the Rio Grande commonly average approximately 1,000 cfs.

4.2.2.2 Substantially Identical Outfalls

Based on common drainage patterns, storm water and erosion control structures, pollutant sources, and receiving streams, Sites are grouped within SMAs. Gage stations are positioned downstream of a sub-watershed to measure run-off from the Sites within that sub-watershed.

In September 2002, the SWAT developed a list of inputs to a "substantially identical outfall" determination. The SMAs have been designated based on the following considerations:

- Erosion matrix score components (SOP 2.01 Part B)
- Precipitation and runoff coefficient information
- Drainage area above and including Site boundary
- Existing structural BMPs at a Site
- Transport characteristics of contaminants
- Identical storm water management practices (e.g., BMPs)
- Similarity of COPCs

4.2.3. Summary of Potential Pollutant Sources

Potential pollutant sources for low and medium and high potential Sites include, but are not limited to:

- Bare soil
- Areas of existing erosion
- Specific hazardous constituents within the soil
- Stored waste
- Materials or equipment handled at the site

For medium and high potential Sites, the Site-Specific SWPPP Forms contain a list of the potential pollutants located onsite that may be exposed to precipitation. For each identified potential pollutant, structural and/or nonstructural control measures will be established and the

site location and installation date of the measure will be recorded on the Site-Specific SWPPP Form.

4.2.3.1 Exposure Activities/Sources in Area

The MSGP identifies specific exposure activities as potential pollutant sources. A list of the activities that are identified in the Site-Specific SWPPP Form for each medium and high potential Site includes, but is not limited to:

- Loading and unloading operations
- Outdoor storage of significant materials
- Outdoor processing activities
- Waste disposal
- Waste hauling
- Earth/soil moving
- Vehicle tracking of sediments

Activities listed above that occur during Site remediation would be addressed by the RS SWPPP (see Section 2.1.3).

4.2.3.2 Identification of Potential Pollutants

"Significant materials" as defined in 40 CFR 122.26(b)(12), are substances related to industrial activities such as process chemicals, raw materials, fuels, pesticides, etc. When these substances are exposed to storm water runoff, they may be carried to a receiving stream with the storm water runoff.

This SWMU/SWPPP applies to potentially contaminated Sites that have not attained formal NFA status. Contamination originated from septic tanks and lines, chemical storage areas, wastewater outfalls, landfills, incinerators, firing ranges and their impact areas, surface spills, and electric transformers. Potentially contaminated sites are found on mesa tops, in canyons, and in the Los Alamos town site. To address the contamination potential for medium/high potential Sites, the potential pollutants at Sites are identified by evaluation of the following:

- Constituents present above background levels in surface soil and/or sediment samples collected at the Site by the Laboratory's RS Project to identify COPCs.
- Site descriptions of history of use and process knowledge to identify COPCs.
- Constituents present above wSAL values in Site-specific storm water runoff samples collected pursuant to this SWMU/SWPPP.

If surface soil sample data are not available for a Site, a brief description of potential pollutants will be identified from site history and process knowledge descriptions about materials known to have been released and/or disposed at the Site. Site descriptions are found in LANL RS Project documents such as RCRA Facility Investigation (RFI) Workplans and RFI Reports.

When remediation activities are being performed at a Site, additional significant materials may be exposed. During the period of time that remediation activities are carried out, management of storm water discharges at the Site becomes the responsibility of the NPDES CAP Program. Remediation activities are covered under the Laboratory's common plan of development, and an addendum to the RS SWPPP for Remediated Sites is prepared for the individual projects. Heavy equipment may be in use during excavation activities. The possibility of leaks of diesel fuel, hydraulic fluid, gasoline, and motor oil from heavy equipment will be identified as a potential source and controls to reduce environmental impacts will be implemented under the RS SWPP Plan for Remediated Sites for the duration of the remediation activity.

4.2.3.3 Identification of Chemicals of Potential Concern

The steps in the process for evaluating surface soil sample data and identifying COPCs are as follows.

- Sample information obtained from the LANL ER database (ERDB) is evaluated to exclude samples that are not either soil or sediment matrix; that are subsurface (top depth < 1 ft and/or bottom depth < 1.5 ft); or that have been excavated in a remediation activity.

- The analytical data for the surface soil samples is evaluated to exclude mobile laboratory, x-ray fluorescence, toxicity characteristic leaching procedure (TCLP), pH, moisture, and tritium results. Gamma spectroscopy results for samples with alpha spectrometry results for the same radionuclide are excluded.

- Analyte results that are not detected or that have been rejected by data validation are excluded.

- Detected analyte results are screened by analytical suite. Inorganic results that are less than the LANL soil /sediment background values are excluded. Radionuclide results that are less than fallout/background values are excluded. Organic results that are detected are considered to be greater than background and are retained as COPCs.

- At each Site, the frequency of detection for each analyte is calculated.

    - If less than five surface samples were collected at a Site for an analytical suite, there is insufficient data to identify COPCs unless a contaminant is reasonably expected to be present in surface soil based on site history and process knowledge.

    - If 20 or less surface samples were collected for a given analytical suite and if the frequency of detection is 5% or greater (i.e, analyte is detected in a single sample), the analyte is identified as a COPC at the Site.

- If more than 20 samples were collected for a given analytical suite and if the frequency of detection is 5% or greater, the analyte is identified as a COPC at the Site.
- If more than 20 representative samples were taken and if the frequency of detection is less than 5%, the analyte is not identified as a COPC.
- For a collective group of Sites assigned to the same SMA, any COPC detected at greater than a 5% frequency in any Site will be retained for all Sites in which it was detected (even at less than 5% frequency).
- Any COPC detected at less than 5% frequency will be retained if it is likely to be part of a suite with a COPC that is detected more frequently (e.g., if some polycyclic aromatic hydrocarbons (PAHs) are COPCs, other PAHs detected will be retained even if their frequency of detection is less than 5%).
- Any COPCs detected at less than 5% frequency will be retained if they are likely to be a breakdown product of a COPC that is detected more frequently (e.g., if DDT is a COPC, detections of DDD or DDE would be retained even if the frequency of detection is less than 5%).
- COPCs in sediment will be retained if they were detected at less than 5% frequency if they are also COPCs for soil.

The results of the soil COPC evaluation are used to guide the selection of analytical suites for monitoring Site-specific storm water runoff, described further in Section 4.7.

4.2.4. Significant Spills and Leaks

Significant spills and leaks are tracked by the ENV-WQH group. For low potential Sites, the impact of significant spills and leaks on surface water quality may be measured through gage station monitoring. Appendix 7 provides a list of Sites located upstream from gage stations. For medium to high potential Sites, locations where significant spills and leaks have occurred at Sites within the past 3 years that could contribute pollutants to storm water discharges are listed on the Site-Specific SWPPP Form. The recorded spill/leak information includes type of material spilled, approximate quantity of spilled material, the site location of the spill, and the date of the spill event. Such information is maintained for a period of three years from the date of the event.

4.3 Non-Storm Water Discharges

Non-storm water discharges allowed by the MSGP include the following:

- Discharges from fire fighting activities
- Fire hydrant flushing

- Potable water sources including waterline flushing
- Irrigation drainage
- Lawn watering
- Uncontaminated groundwater
- Foundation or footing drains where flows are not contaminated with process materials
- Discharges from springs
- Routine exterior building washdown which does not use detergents or other compounds
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred and where detergents are not used
- Air conditioning condensate

Sources of non-storm water that are combined with storm water discharges associated with industrial activity at medium to high potential Sites are identified through the NOI program. Such sources associated with industrial activity at medium to high potential Sites are identified during annual Site evaluations using the Inspection and Maintenance Form, provided in Appendix 4. The results of the evaluation are shown on the Site-Specific SWPPP Form. Types of permitted non-storm water discharges at Sites may include:

- Watering of recently planted vegetation
- Discharges from fire fighting activities

The Site-Specific SWPPP Forms also identify appropriate pollution prevention measures for the non-storm water components of the discharge. Observations from the annual Site evaluations are documented with a Certification Statement included in the Comprehensive Site Compliance Evaluation Report. Reports generated by the LANL Wastewater Stream Characterization Program (ENV-WQH's NPDES Team) will also be referenced to confirm whether non-storm water discharges exist near buildings located adjacent to Sites.

Appendix 9 contains the non-storm water discharge certification for Sites, dated March 24, 2005.

4.4 Storm Water Sampling Data

Storm water sampling at the LANL facility has been ongoing since 1991. Samples of storm water are collected as discussed in Sections 3.3 and 4.7. Samples for low potential Sites are collected at gage stations, covered under the SWMP, and samples for medium to high potential Sites are collected at gage stations and SMA sampling locations, covered under the Site-Specific SWMP. More detail on monitoring is provided in Section 4.7. The SWMP provides details on storm water monitoring procedures for the watershed-scale gage stations. A summary of the

locations sampled and analytical suites analyzed for storm water data collected can be found in the SWMP and Site-Specific Storm Water Sampling Plan. Storm water data for each Site are stored in the WQDB and are readily available for review upon request (http://wqdbworld.lanl.gov/discoverer). Attachment 2 reports the results of Site-specific storm water monitoring for the previous year.

4.5 Storm Water Controls

An important element in the development of a SWPPP is identification of appropriate BMPs. The focus of storm water regulations is to control pollutants at the source. Implementing storm water controls help reduce the quantity of pollutants in storm water runoff. Source controls are usually the most effective mechanisms for decreasing storm water contamination and are typically less expensive than constructing end-of-pipe treatment facilities.

BMPs fall into two main categories: non-structural and structural. Non-structural BMPs are standard operating and maintenance procedures designed to minimize the potential for spills, exposure of materials, or other events that could adversely affect the quality of water that is transported out of the area by storm water runoff. Non-structural BMPs include good housekeeping, preventive maintenance, spill prevention and response, routine inspections, and employee training. Structural BMPs are typically installed to prevent or minimize erosion and the migration of contaminants by surface water runoff. Structural BMPs include sediment and erosion control and management of runoff. Additional guidance on implementation of structural BMPs is provided in the LANL Storm Water BMP Guidance Document (LANL 1998).

4.5.1. Non-Structural BMPs

4.5.1.1. Good Housekeeping

Good housekeeping practices are designed to maintain a clean and orderly environment. These practices are generic items that are applied at all medium and high potential Sites, as these sites are more likely to have staff on site to implement the good housekeeping measures. Good housekeeping practices specifically applicable to the prevention of storm water contamination include:

- Protocols that specify appropriate activities at a Site.
- Maintaining operational areas in a clean and orderly state, free from debris and trash.
- Minimizing soil-disturbing activities.
- Minimizing activities that damage or destroy existing vegetation.
- Training of employees about good housekeeping practices.

4.5.1.2. Minimizing Exposure

Where practicable, industrial materials and activities will be protected by storm resistant shelters to prevent exposure to rain, snow, snowmelt, or runoff.

4.5.1.3. Preventive Maintenance

Preventive maintenance involves the regular maintenance of identified equipment, systems, and storm water management devices for each Site to minimize the chance for equipment/BMP failure and the subsequent release of pollutants. For each medium to high potential Site, identified devices, equipment, and systems will be recorded on the Site-Specific SWPPP Form. Low potential Sites are considered to be fully stabilized.

4.5.1.4. Spill Prevention and Response Procedures

The Emergency Management & Response (EM&R) Office has been appointed by the LANL Director as the organization responsible for LANL emergency management. All spills or releases must be reported to the EM&R Office at **667-6211** or, after hours at **667-7080**. If fire or explosion is present, or if the potential for such exists, the situation must be reported by dialing 911 from a non-cellular phone or by activating a fire pull box. Specific EM&R procedures and policies are detailed in LIR404-00-01.3 Los Alamos National Laboratory Emergency Management. In the event of a spill, the EM&R Office will determine to what level LANL's Emergency Management Plan will be activated. In addition, appropriate cleanup procedures will be followed and the appropriate individuals or organizations responsible for the completion of appropriate spill reports will be notified.

Two types of spill reporting are required at LANL in the event of a spill: internal reporting and external agency notification. The EM&R Office and ENV-WQH, in accordance with LANL and DOE policies, and federal and state regulatory reporting requirements will make the determination for the type of reporting. ENV-WQH and the responsible organization will keep copies of internal spill reports. External agency notification may consist of verbal or written notification to the National Response Center, EPA Region VI, NMED, the New Mexico State Police, or the Los Alamos County Police Department.

Specific BMPs have been developed for spill prevention, including drum and container storage, electrical transformers, and salvage areas (see *LANL Storm Water/Surface Water Pollution Prevention Best Management Practices Guidance Document*).

4.5.1.5. Routine Site Inspections

Routine Site inspections involve the regular inspection of BMPs and storm water management devices. For low potential Sites scoring 40 or less on the Surface Water Site Assessment Part B (Section 3.1.1) that are exposed, the Site will be visually inspected once in a four-year period. As discussed in Section 3.1.3.1, LANL will perform a re-assessment of SOP 2.01 Part B for Sites that currently score between 35 and 45 annually for quality management purposes.

For each medium to high potential Site, identified BMPs and storm water management devices will be inspected after 0.5-inch rain events and/or sampled events. The inspections will be recorded on the Inspection and Maintenance Form, provided in Appendix 4. Sites will also be inspected annually in accordance with the Comprehensive Site Compliance Evaluation, as discussed in Section 4.6.

A follow-up procedure has been established to ensure that appropriate actions are taken in response to all inspections. If an inspection result documents a need for installation or maintenance of a BMP, a follow-up visit is made and a Maintenance Form is completed. Records of inspections are maintained in the SWTS module of WQDB. A member of each Team shall be responsible for inspecting their assigned Sites.

At a minimum, the following items will be assessed during inspections.

- Evidence of excessive erosion in any part of the Site.
- Condition and function of storm water management and erosion control structures.
- Occurrence of non-storm water discharges (other than those described in this SWMU/SWPPP).
- Contact between significant materials and storm water through either exposure or leakage.
- Performance of implemented BMPs and their effectiveness.
- Photodocumentation of the Site.

Any noted changes or deficiencies must be provided to the Team member responsible for this SWMU/SWPPP revision and corrective action implementation.

4.5.1.6. Employee Training

Employee training is essential for effective implementation and maintenance of this SWMU/SWPPP. The objective of the training program is to instill in employees an understanding of the purpose of this SWMU/SWPPP; to help them recognize situations that could lead to potential storm water contamination; and to provide instruction in proper spill prevention and response, good housekeeping, and materials management practices.

All operational site workers, supervisors, and Team members receive training, conducted annually, organized to cover the following topics:

- Goals of this SWMU/SWPPP
- Spill response and cleanup
- Conducting inspections

- Good housekeeping and material management practices to prevent storm water pollution
- Structures, equipment, and procedures designed to minimize storm water pollution and soil erosion
- Plan revision requirements

4.5.2. Structural BMPs

The BMPs listed in Section 4.5 are described in detail in the *LANL Storm Water/Surface Water Pollution Prevention Best Management Practices Guidance Document* (LANL 1998). The BMP Guidance Document provides details regarding BMPs, including pros and cons, installation instructions, specifications, and drawings. BMP categories in the BMP Guidance Document include sediment retention controls, diversion structures and controls, conveyance structures and controls, vegetative controls, and spill prevention. BMPs referenced in this SWMU/SWPPP and in the Site-Specific SWPPP Forms will be implemented based on the BMP Guidance Document for consistency throughout the LANL facility.

4.5.2.1. Sediment and Erosion Control

In order to minimize migration of sediments off site, it is important to focus on minimizing the generation of sediments by storm water (erosion). BMPs used for sediment and erosion control are structures, vegetation, and stabilization measures. BMPs employed at Sites for sediment and erosion control include but are not limited to:

- Mulching
- Matting
- Retention (e.g., wattles, silt fences)
- Permanent seeding
- Riprap
- Gabions
- Cellular confinement systems

4.5.2.2. Management of Runoff and Run-on

Once storm water begins to move across the site and potentially carry pollutants, it is important to remove or slow the flow of the water and retain it on site where possible to limit the quantity of runoff and improve the quality of the water that does leave the Site. BMPs used for management of runoff/run-on generally divert, infiltrate, reuse, or reduce pollutants in storm

water discharges. BMPs employed at Sites for management of runoff include, but are not limited to:

- Swales
- Diversion channels
- Sediment basins
- Redirect culverts
- Catch basin filters
- Storm drain inlet protection
- Berms
- Check dams
- Water bars
- Surface roughening
- Pipe slope drain
- Level spreader
- Channels
- Vegetative buffer zone
- Storm drain outlet protection

4.5.3. Selection of BMPs

BMPs are recommended for each Site by the SWAT based on SOP 2.01 Part B scores and potential contaminants at the Site. As directed in the MSGP, the selection of BMPs takes into consideration:

- The quantity and nature of the pollutants, and their potential to impact water quality of receiving waters.
- Opportunities to combine the dual purpose of water quality protection and local flood control benefits.
- Opportunities to offset the impact of impervious areas of the Site on ground water recharge and base flows in local streams

Site-Specific SWPPP Forms list the specific BMPs selected for each Site and SMA maps show the location of the BMPs at the Site. The non-structural controls are generally employed at all of the Sites regardless of the industrial activities or Erosion Matrix Score for the Site.

4.5.4. Maintenance of BMPs

All BMPs identified in the SWPPP are maintained and kept in effective operating condition. If, during a site inspection, a BMP is found to not be performing effectively, maintenance must occur before the next anticipated storm event, or as necessary to maintain the BMP. If BMP maintenance before the next anticipated storm event is not possible, maintenance should be scheduled and accomplished as soon as practicable. As discussed in Section 4.5.1.5, inspections are conducted after .5" rain events, during storm water sampling events and annually for the medium to high potential Sites. BMP inspection information is recorded on the Site-specific BMP Inspection Form. Digital photos are taken of each site during each inspection.

4.6 Comprehensive Site Compliance Evaluation

The MSGP requires the completion of an annual Comprehensive Site Compliance Evaluation. During this evaluation, the Team member responsible for inspections examines equipment or material storage areas, locations of past or current operational activity, and areas affected by non-storm water discharges within a Site. In accordance with the permit requirements, the inspecting individual performs the following tasks.

- Inspect storm water drainage areas for evidence of potential contaminants such as:
  - Exposed materials or wastes
  - Any evidence of spills that may have occurred in the operational areas, and their potential for contributing contamination to runoff
  - Evidence of erosion and sediment transport
- Evaluate the effectiveness of BMPs:
  - Condition and effectiveness of sediment and erosion controls
  - Condition and effectiveness of storm water management structures
  - Effectiveness of BMPs such as good housekeeping procedures and spill prevention and response measures
- Identify areas that may have been altered by construction or other activities so as to change the direction of storm water runoff.
- Review the adequacy of existing inspection records.

- Revise the Plan as needed within two weeks of the inspection and implement corrective action within 12 weeks of the inspection.
- Prepare a report summarizing inspection results and follow-up actions.
- Sign the report and keep it with the SWPPP.

4.6.1. Comprehensive Site Compliance Evaluation Report

Based on the results of the Annual Site Compliance Evaluation, the Team prepares a report describing the results of the inspection. The report includes, at a minimum, the following items:

- The personnel who performed the inspection.
- Date(s) on which the inspection was performed.
- A written summary of major observations relating to implementation of the SWPPP.
- A summary of all changes made to the SWPPP in accordance with Section 4.2 of the MSGP.
- A description of any incidents of non-compliance with the SWPPP that were noted during the inspection.
- Actions that should be taken to correct noted deficiencies.

All reports describing the results of the annual Comprehensive Site Compliance Evaluation will be retained as part of the SWPPP. These Comprehensive Site Compliance Evaluation Reports are included in Appendix 4.

4.6.2. Maintaining Updated SWPPP

This SWMU/SWPPP is updated and modified annually based upon the requirements of the FFCA, as Sites are cleaned up and NFAs are approved, and to reflect the findings of the annual Comprehensive Site Compliance Evaluations. Amendments to the site-specific forms and SWPPP will also be made whenever inspections identify a change in design, construction, operation, or maintenance procedures that affects the course of storm water discharge or affects the potential for contamination of storm water runoff. Examples of such a change could include changes in the types of operations performed at any of the Sites; significant changes in the direction of runoff due to construction or modification of roads, paved pads, buildings, or other structural features; or a change in ownership.

Table 4-1 contains a list of events that require modification of this SWMU/SWPPP, along with the sections that would typically be affected.

Table 4-1. Events Requiring Modification of the Site-Specific SWPPP Form

Event Requiring Modification of the SWPPP	Actions Required to Modify the SWPPP
Change in members or duties of Team.	Amend the list of team members and their duties on the Site-Specific SWPPP Form.
Significant changes in operational procedures or locations of operations.	Modify map and text sections of the Site-Specific SWPPP Form to reflect the changes.
Significant changes in the types of materials handled at a Site.	Review to determine whether changes in SWPPP procedures are required; add the new materials to the inventory list on the Site-Specific SWPPP Form.
Change in drainage area or direction of runoff due to construction or other modifications.	Review changes and modify SMA map and text as appropriate in Site-Specific SWPPP Form.
Change in the number of HSWA permitted Sites.	Modify appendices to reflect Sites listed on the HSWA permit.
Changes in storm water management controls.	Modify SMA map and appropriate text sections in Site-Specific SWPPP Form.
Completion of Comprehensive Site Compliance Evaluation.	Review the entire SWPPP to ensure that it is still accurate and complete; correct any deficiencies found during the Comprehensive Site Compliance Evaluation; document the Evaluation and any follow-up actions.
Receipt of laboratory analytical results for storm water discharge, soil, sediment, or other environmental sampling.	Review to determine whether there are abnormal values for any constituent; take corrective action if appropriate; incorporate the analytical results in the SWPPP.
Changes in erosion and sediment control structures.	Modify SMA map and appropriate text sections in Site-Specific SWPPP Form.
Spill or leak of waste, water, or other materials at a Site.	Document the release and cleanup procedures; incorporate the documentation in the Site-Specific SWPPP Form.

Table 4-1 is not all-inclusive. SWPPP modification may be required for any event that has the potential to significantly affect storm water runoff or sediment transport from a Site. Per the FFCA, an updated SWMU/SWPPP will be submitted to EPA and NMED by March 31 of each year.

4.7 Monitoring and Reporting

Under the FFCA, the Laboratory is conducting two types of storm water runoff monitoring, each of which is governed by individual monitoring and management plans:

1. Sampling on a watershed basis at automated gage stations sited within the Laboratory canyons systems, which is performed under the Laboratory's SWMP.

2. Sampling near specific Sites that is performed under this SWMU/SWPPP.

The purpose of the storm water monitoring mandated by the FFCA is to determine if there is a release or transport of a pollutant or contaminant from a Site into surface water that could cause or contribute to a violation of applicable surface water quality standards, including the antidegradation policy, or an applicable waste load allocation.

The Laboratory also conducts monitoring pursuant to the MSGP. SWMUs fall under the category of Hazardous Waste Treatment, Storage, and Disposal Facilities (Sector K), and monitoring for Sector K benchmark pollutants is required in the second and fourth years (2002 and 2004, respectively) of the current MSGP.

4.7.1 Analytical Monitoring Requirements

Storm water runoff from low potential Sites is monitored by a watershed-scale system of automated gage stations to meet the requirements of both the FFCA and the MSGP. Storm water runoff samples are collected at 74 automated gage stations that are sited in drainages both within the Laboratory boundary and on non-DOE property formerly used for Laboratory activities. Several gage stations are also sited at off-site locations to monitor storm water runoff entering or leaving the Laboratory's boundary.

The 74 gage station locations are selected to meet the requirements of two monitoring regimes: the FFCA and the MSGP. A gage station may be operated to meet the requirements of one or both monitoring regimes. The LANL SWMP document contains the detailed sampling plan for the watershed-scale monitoring, including a list and map of the gage stations.

Storm water runoff from medium/high potential Sites is monitored in the Site-specific drainage(s) contained within the SMA (see Section 4.2.2.2). Sites are assigned to one or more SMAs, depending on drainage patterns. An SMA may be comprised of more than one Site in locations where Site boundaries are overlapping, or where Sites share a common drainage. Sample collection for the Site-specific monitoring is accomplished using automated ISCO samplers or single-stage samplers. In some cases, where a Site is located immediately upstream, an automated gage station is used to collect Site-specific samples. Appendix 7 lists the SMAs and the assigned Sites, as well as the closest downstream watershed gage station.

4.7.1.1. Sampling Suite Assignment

The sampling suite assignment to each SMA monitoring station is based on evaluation of requirements contained in the MSGP and Table 1 of the FFCA. Additionally, the results of the COPC evaluation at each Site are taken into consideration (see Section 4.2.3.3).

The suite assignments are made by considering the following four cases in the order presented below.

Case 1: Insufficient surface soil samples associated with the SMA.

If there are insufficient surface soil samples (none or less than five), the sampling suites are determined by evaluating the site history and process knowledge. If available Site information is insufficient, the default suites assigned are the MSGP Sector K benchmark suites and the FFCA suites, as applicable, for the nearest downstream gage station.

Case 2: Storm water runoff will be sampled at the nearest downstream gage station.

If the storm water runoff samples are to be collected at the nearest downstream gage station, the default suites assigned are those required by the MSGP and the FFCA, as applicable. If COPC suites that are not included in the gage station suites are identified for the Site(s) associated with the SMA, then the COPC suites are also collected at the gage station.

Case 3: No COPCs are identified at the Site(s) associated with the SMA.

If no COPCs are identified at the Sites associated with the SMA as a result of evaluating surface sample soil results, the sampling suites are determined by evaluating the site history and process knowledge. If available Site information is insufficient, the default suites assigned are the MSGP Sector K benchmark suites and the FFCA suites, as applicable, for the nearest downstream gage station. If a potential COPC suite was eliminated at the Site based on evaluation of five or more surface soil samples, then that COPC suite is excluded unless it is required by the MSGP.

Case 4: COPCs are identified at the Site(s) associated with the SMA.

If COPCs are identified at the Site(s) associated with the SMA, the COPC suites are compared with the FFCA suites for the nearest downstream gage station, as applicable. If Site COPCs are identified that are not included in the gage station suites, then the COPC suites in addition to the MSGP Sector K benchmark suites and the FFCA suites are assigned to the SMA, as applicable. If a potential COPC suite was eliminated at the Site based on evaluation of five or more surface soil samples, then that COPC suite is excluded unless it is required by the MSGP.

4.7.2 Storm Water Runoff Analysis

All sample bottles will be submitted for analysis without filtering (i.e., unfiltered) with the exception of the sample aliquot required for dissolved metals analysis. Three to five hundred milliliters from the 1-L PE container collected for metals shall be filtered into a separate, clean bottle; acid-preserved; and submitted for dissolved metals analysis. Filtration and preservation will be accomplished as soon as practical to meet 40 CFR 136 requirements. The filtration operation shall be performed as follows:

- Shake the bottle well.
- Pour off the approximate amount to be filtered into a second clean bottle.
- Filter from the second bottle into a third clean bottle.
- Preserve and submit the third bottle with the filtered water in it.
- Discard whatever is left behind in the second bottle after filtering.

This filtration procedure prevents leaving an excessive amount of sediments in the unfiltered sample.

For the determination of total recoverable metals (which are equivalent to ‘total metals’) the sample is not filtered before processing. A digestion procedure is required to solubilize analytes

in suspended material and to break down organic-metal complexes. The approved total recoverable digestion is described in EPA Method 200.2 (EPA 1994a). For the determination of total recoverable elements in aqueous samples, the samples must be acid preserved prior to aliquoting at the analytical laboratory for sample processing and analysis.

A subcontractor analytical laboratory will perform all sample analyses pursuant to the most recent version of the DOE *Model Statement of Work for Analytical Laboratories* (DOE 2004) prepared for the NNSA Service Center located in Albuquerque, New Mexico. The analytical statement of work specifies analytical and QC requirements for the requested analytical methods that are consistent with the promulgated procedures.

The chemical analytical methods used are those set forth in 40 CFR Part 136 or the New Mexico WQCC regulations (NMAC 20.6.4.13), with the following exceptions.

- Seven metals on the target analyte list (TAL) will be analyzed using inductively coupled plasma mass spectrometry (ICPMS) according to EPA Method 200.8 (EPA 1994a). The Laboratory has received interim approval from EPA Region 6 Office to use Method 200.8 as an alternate test procedure for use in wastewater compliance monitoring in December 1999 (EPA 1999c).

- Perchlorate anion will be analyzed by two methods: ion chromatography, using EPA Method 314.0 (EPA 1999b); and liquid chromatography thermospray mass spectrometry (LC/TS-MS) using SW-846 Method 8321A (EPA 1998). EPA has not approved the LC/TS-MS method for perchlorate analysis; however, the method provides a lower detection limit than EPA-approved ion chromatography method. There is no approved method for perchlorate listed in 40 CFR Part 136.

- High explosives (HE) compounds will be analyzed by high performance liquid chromatography using SW-846 Method 8330 (EPA 1998). There is no approved method for HE compounds listed in 40 CFR Part 136.

- Radionuclides will be analyzed using subcontractor laboratory procedures that are based on EPA 900-series methods (EPA 1980), the DOE Environmental Measurement Laboratory HASL-300 methods (DOE 1997), and/or other industry-accepted methodologies.

4.7.3 Splitting Samples with Other Entities

It is anticipated that other entities or organizations may desire to split samples or to collect samples at the Laboratory's monitoring stations. In the Laboratory's experience there is often too little water to complete the full analytical suite for each storm runoff event. If other entities desire split samples they will be expected to provide their own ISCO samplers. The Laboratory will assist the other entity in installing and operating their ISCO sample at the Laboratory's gage station.

4.7.4 Data Verification and Validation

Data verification and validation procedures are used to determine whether data packages received from the analytical laboratory were generated according to contract specifications and contain the information necessary to determine if the data are sufficient for decision-making. The analytical data package is a hard copy document submitted by the analytical laboratory that reports the results of the requested analyses for the samples that were submitted. Documentation of the associated QC data for the analysis is also included. The analytical data package also contains the signed chain of custody form, which is required to provide full traceability and legal defensibility of the analytical data.

The analytical results are also reported in the form of an electronic data deliverable (EDD). Data are uploaded from the EDD into the WQDB. Procedure WQH-QP-027, *Managing Electronic Data*, describes management of both the hardcopy package and the accompanying EDD. Ten percent of all data uploaded through electronic means into the WQDB will be completely verified to be accurate against the original paper copy provided by the analytical laboratory. Data that are uploaded through manual means will undergo 100% verification by someone other than the data entry person. The verification reviews will be documented and retained as a record.

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. In the routine validation process, QC indicators (e.g., surrogate or spike analytes) are compared with clearly defined numerical limits to ascertain whether the data are technically valid. The ENV-WQH data validation process is in accordance with the DOE NNSA National Service Center *Model Data Validation Procedure*, Revision 3 (DOE 2003). The procedure is based on EPA national functional guidelines for organic (EPA 1999a, EPA 2002b)) and inorganic (EPA 2004) data review; the radionuclide data review follows American National Standards Institute guidance (ANSI 1997). A data validation report that includes information regarding the overall quality of the data and the resulting data qualifiers is completed for all analytical data packages.

Data qualifiers (letter codes attached to data results) are used in the data validation process to designate potential deficiencies associated with individual sample results. Each data qualifier is accompanied by a reason code that provides information about the deficiency that led to qualification of the data and its potential impact on the affected data, so that the data may be used appropriately. The data validation qualifier flags used for reporting the storm water data are defined in Table 4-2. Analytical results that have been qualified as rejected ("R" flag) due to serious noncompliance with QC acceptance criteria shall not be used for decision-making purposes.

Table 4-2. Definition of Data Validation Qualifier Flags

Qualifier Flag	Definition
J	The analyte is classified as "detected" but the reported concentration value is expected to be more uncertain than usual.
J+	The analyte is classified as "detected" but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
J-	The analyte is classified as "detected" but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
U	The analyte is classified as "not detected."
UJ	The analyte is classified as "not detected" with an expectation that the reported result is more uncertain than usual.
R	The reported sample result is classified as rejected due to serious noncompliances regarding QC acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.

4.7.5 Visual Examination of Storm Water Discharges

Visual examinations are important to collect information to determine the effectiveness of controls in preventing potential contaminants from migrating off LANL property. Accordingly, the field personnel conduct visual monitoring of storm water collected at the gage stations on a quarterly basis. The Surface Water Sampling Field Sheet (Appendix 4) is used by field personnel to document the visual examination. Information recorded includes:

- Odor – Describe any odors that may be observed in the discharge. Caution: any unusual odors should be documented, and sampler shall leave the site immediately.

- Color – Describe the color of the discharge.

- Clarity – Clarity can be described as the depth in which you can look into or through water. For example an individual can see through a clear glass of clean water in daylight. Generally the clarity of the water is a good visual indicator of the purity of water. If the water is poor in clarity there is most likely suspended solids throughout the water.

- Floating solids – Note any floating solids in the sample. Careful examination should determine whether the solids are raw or waste materials.

- Settled solids – Note any settled solids in the sample. Settled solids may be an indicator of unstable ground cover combined with a high intensity storm water runoff event.

- Suspended solids – Note any suspended solids in the sample. Most often suspended solids include fine sediment. This may be an indication of an unstable channel that may have eroding banks. Some water appears to be colored because of relatively coarse particulate material in suspension such as sediment.

- Foam – Note an accumulation of fine frothy bubbles formed in or on the surface of water. Describe the color of the foam.

- Oil sheen – Note if there is an oil sheen present, the thickness, and consistency.

- Other – Describe any other indicators of storm water pollution.

While conducting the visual examinations, field personnel will attempt to relate any pollutant that is observed in the samples to the sources of pollutants at the Site(s) in the drainage.

4.7.6 Reporting

Following are the reporting procedures for sampling and evaluations required by the MSGP and the FFCA.

- FFCA requires that the annual results for watershed and Site-specific monitoring are submitted to EPA and NMED by March 31 of each calendar year.

- FFCA requires that exceedances of wSALs are reported in writing to EPA and NMED monthly, by the 28th day of the following month following receipt of the data from the analytical laboratory.

- FFCA requires that DOE submit a written status report to EPA Region 6 and NMED SWQB no later than 60 days after the end of each quarter, with deadlines that DOE was required to meet during the reporting period, progress made toward meeting deadlines and milestones, reasons for any noncompliance with the FFCA, corrective actions taken to address exceedances of wSALs, and description of any matters relevant to the status of its compliance with the FFCA.

- Quarterly visual monitoring results are documented on the Surface Water Sampling Field Sheet and kept by ENV-WQH.

- MSGP analytical monitoring (second and fourth year quarterly monitoring) are submitted on Discharge Monitoring Report (DMR) forms by January 28th of the following year.

- MSGP annual Comprehensive Site Compliance Evaluation Reports are available upon request and are maintained by the ENV-WQH group at TA-59.

4.8 Documentation of Permit Eligibility Related to Endangered Species

This SWMU/SWPPP includes documentation supporting permit eligibility regarding endangered species (Appendix 10). Documentation includes:

- Information on whether listed endangered or threatened species, or critical habitat is found in proximity to the facility.

- How such species could be affected by storm water discharges or storm water discharge-related activities.

- Results of the endangered species screening determinations.

- A description of the measures necessary to protect listed endangered or threatened species, or critical habitat, including any terms or conditions that might be imposed by the eligibility requirements.

4.9 Documentation of Permit Eligibility Related to Historic Places

This SWMU/SWPPP includes documentation supporting the determination of permit eligibility with regard to historic places (Appendix 11). Information includes:

- A discussion about whether storm water discharges or storm water discharge-related activities could affect property that is listed or eligible for listing on the National Register of Historic Places.

- Written agreements made with State Historic Preservation Officers, Tribal Historic Preservation Officer, or Tribal Leaders, regarding how mitigation should occur for sites that could be adversely impacted by storm water discharges.

4.10 Copy of Permit

Copies of the MSGP and NOI are located in Appendix 2.

4.11 Signature, Plan Review, Making Plans Available

This SWMU/SWPPP has been signed by LANL's ENV Division Director and will be retained on site in the custody of ENV-WQH Personnel. This SWMU/SWPPP is available to the EPA Director, as well as all state, tribal, and local agencies that approve or review storm water management plans. The Storm Water Pollution Prevention Plan Certification Statement of Authorization is included in this SWMU/SWPPP following the Table of Contents and before Section 1.

In the interest of the public's right to know, this SWMU/SWPPP will be made available to the public if a request is made in writing.

5.0 REFERENCES

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WQH Quality Management Documents

WQH-QMP, Water Quality and Hydrology Group Quality Management Plan

WQH-QP-027, Managing Electronic Data

WQH-QP-029, Creating and Maintaining Chain of Custody

WQH-SOP-009, Operation of Stream Gaging Stations and Collection of Storm Water Runoff Samples

WQH-SOP-010, Processing Storm Water Runoff Samples

WQH-SOP-020, Custody, Packaging, and Transportation of Samples

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APPENDICES

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Appendix 1.
Federal Facility Compliance Agreement

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

February 3, 2005

REPLY TO: 6EN-WC

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (7003 0500 0003 0870 7121)

Mr. Edwin L. Wilmot
Manager
Los Almos Site Office
National Nuclear Security Administration
U.S. Department of Energy
c/o Mr. Gene Turner
528 35th St.
Los Alamos, NM 87544-2201

Re: Administrative Order Docket No. CWA-06-2005-1701
NPDES Nos. NMR05A735, NM0028355

Dear Mr. Wilmot:

Enclosed is the final version of the Federal Facilities Compliance Agreement (FFCA) between the U.S. Department of Energy (DOE) and the U.S. Environmental Protection Agency (EPA) regarding storm water discharges from Solid Waste Management Units (SWMUs) at the Los Alamos National Laboratories. This compliance agreement will guide you through the monitoring and Best Management Practices to be performed while you go through the application process for an individual National Pollutant Discharge Elimination System (NPDES) permit. The FFCA is an interim tool to direct protection of the environment and it will automatically terminate upon issuance of the individual permit covering the SWMUs.

The FFCA is a compilation of much work by your staff, the New Mexico Environment Department, and public input from environmental groups and tribes. We appreciate your cooperation on this very important issue and look forward to working with you as you implement the FFCA. You and your staff are encouraged to work expeditiously with EPA Region 6's Water Quality Protection Division in the development of the individual permit. It is the goal of the Clean Water Act that all waters of the United States should be fishable and swimmable, and that the NPDES permitting program will restore and maintain the chemical, physical, and biological integrity of our nation's waters.

Thank you for your cooperation. If you have any technical questions, please contact Mr. Taylor Sharpe of my staff at (214) 665-7112. If you have any legal questions, please contact Mr. John Emerson of EPA Region 6's Regional Counsel at (214) 665-3137.

Sincerely yours,

John Blevins
Director
Compliance Assurance and
Enforcement Division

Enclosure

cc: Mr. Nathaniel Wardwell
Office of Laboratory Council
Mail Stop A187
Los Alamos, NM 87545

Ms. Marcy Leavitt
Chief
Surface Water Quality Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, NM 87502

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 6

In the Matter of:	§	
	§	
UNITED STATES	§	
DEPARTMENT OF ENERGY	§	
	§	Docket No. CWA-06-2005-1701
and the	§	
LOS ALAMOS NATIONAL LABORATORY	§	
	§	
NPDES Nos. NMR05A735, NMR05A734, and NM0028355	§	

FEDERAL FACILITY COMPLIANCE AGREEMENT

I. PURPOSE AND SCOPE

1. The United States Environmental Protection Agency (EPA) and the United States Department of Energy (DOE) enter into this Federal Facility Compliance Agreement (Agreement) pursuant to the Clean Water Act, 33 U.S.C. §§ 1251-1387 (CWA). The purpose of the Agreement is to establish a compliance program for the regulation of storm water discharges from Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) point sources at the Los Alamos National Laboratory (Laboratory) until such time as those sources are regulated by an individual storm water permit issued by EPA pursuant to the National Pollutant Discharge Elimination System (NPDES). The purpose of the compliance program is to provide a schedule to ensure compliance with the NPDES storm water permitting program. The scope of this Agreement is limited to providing a compliance program for the regulation of storm water discharges from SWMUs and AOCs at the Laboratory in lieu of the Laboratory's Storm Water Multi-Sector General Permit.

II. FINDINGS OF FACT AND CONCLUSIONS OF LAW

2. The Laboratory is a federal facility comprising approximately 40 square miles located in Los Alamos County, in north-central New Mexico. The facility is owned by DOE and is managed by the University of California for DOE's National Nuclear Security Administration.

3. A number of conventional industrial facilities are located at the Laboratory, some of which have associated SWMUs and AOCs that discharge storm water. All SWMUs and AOCs that discharge storm water (collectively, Sites) are covered by this Agreement, with the following exceptions: (a) new releases from operating units at the facility; (b) closure and post-closure care activities under 40 CFR Part 264 subpart G; (c) implementation of controls, including long-term monitoring, for any SWMU or AOC on the Laboratory's Resource Conservation and Recovery Act (RCRA) permit Corrective Action Complete With Controls list; and (d) any release that occurs after the date that the Order on Consent entered into by DOE, the University of California, and the New Mexico Environment Department (NMED), governing corrective action at the Laboratory, terminates.

4. The discharge of storm water at the Laboratory is regulated by NPDES Storm Water Multi-Sector General Permit Nos. NMR05A734 (University of California) and NMR05A735 (DOE), herein the "General Permit," which both became effective on December 23, 2000, pursuant to 65 FR 64746 (October 30, 2000). The point sources discharges of storm water regulated by the General Permit include the SWMUs.

5. DOE has initiated discussions with EPA to apply for an individual permit for the Sites, which will replace existing coverage under the General Permit. Other industrial activities will continue to be regulated by the General Permit.

III. PARTIES

6. The Parties to this FFCA are EPA and DOE.

7. The undersigned representatives of the Parties to this Agreement certify that they are fully authorized by the Party whom they represent to enter into the terms and conditions of the Agreement and to execute and legally bind that Party hereto.

IV. COMPLIANCE PROGRAM

8. DOE shall submit by December 31, 2004, a signed application to EPA Region 6 for an individual storm water discharge permit for the Sites, and any additional required materials and information to make the application administratively complete by March 31, 2005. The signed application for individual storm water discharge coverage was dated December 20, 2004, and received by EPA before December 31, 2004.

9. Until EPA issues an individual permit, the Laboratory shall comply with the schedule established by this Agreement for monitoring and reporting of storm water discharges from the Sites. This schedule is intended to foster management of the Sites to prevent or minimize erosion and the transport of pollutants or contaminants from the Sites by storm water runoff. During the period this Agreement is in effect, DOE must comply with all requirements of the current General Permit. This Agreement does not constitute a waiver or modification of

the terms or conditions of any NPDES permit. Compliance with the terms and conditions of this Agreement does not relieve DOE of its obligations to comply with any applicable federal, state, or local law or regulation (see paragraph 31).

10. Under this Agreement there shall be two kinds of monitoring, pursuant to two monitoring and management plans, namely: (a) sampling on a watershed basis at approximately 60 automated monitoring stations at various locations within the Laboratory canyons pursuant to a Storm Water Monitoring Plan (see paragraphs 13 through 16 for more details) as listed in attached Table 1 (watershed monitoring); and (b) sampling near specific Sites on a rotating basis (Site-specific monitoring pursuant to a SWMU Storm Water Pollution Prevention Plan (SWMU/SWPPP)) (see paragraphs 18 through 23 for more details). .

11. For purposes of this Agreement, "pollutants or contaminants" shall be defined to include: (a) "contaminants" in Section III.B. of the Order on Consent entered into by DOE, the University of California, and NMED, governing corrective action at the Laboratory; (b) "water contaminants" under the State of New Mexico Standards for Interstate and Intrastate Surface Waters (20.6.4 NMAC); and (c) "pollutants" under the CWA. The purpose of storm water monitoring under this Agreement is to determine if there is a release or transport of a pollutant or contaminant from a Site into surface water that could cause or contribute to a violation of applicable surface water quality standards, including the antidegradation policy, or an applicable waste load allocation. If a release or transport has occurred, it may be necessary to implement best management practices (BMPs) to reduce or prevent erosion or to reexamine, repair, or modify existing BMPs to reduce or prevent erosion.

12. The chemical analytical methods used shall be those set forth in 40 CFR Part 136 or the New Mexico Water Quality Control Commission (WQCC) regulations. The use of alternative methods shall be detailed in Monitoring Plans as needed, and the Plans must be approved by EPA prior to use by DOE.

13. By November 1, 2004, DOE shall submit to EPA Region 6 a Storm Water Monitoring Plan (SWMP) for FY04 that shall include watershed-specific storm water monitoring, sampling and reporting requirements for watershed monitoring stations (approximately 60 stations). A copy shall also be provided to NMED at the same time.

14. DOE shall submit annual updates of the SWMP to EPA for review and approval, with copies provided to NMED, by March 31st of each year, beginning in 2005. Storm water monitoring and sampling addressed in the SWMP refers to the monitoring and sampling at watershed monitoring stations. EPA's review and approval of the SWMP and updates of the plan shall be coordinated with input from NMED.

15. Upon approval of the first SWMP submitted pursuant to this Agreement, DOE shall conduct storm water monitoring at the Laboratory stations designated in the attached Table 1, following precipitation events that produce a discharge in volumes large enough to allow for sample collection. If new information warrants, DOE shall also conduct storm water monitoring at other locations. These other locations must be submitted to EPA for approval as part of the annual updates to the SWMP as discussed in paragraph 14.

16. Storm water monitoring shall consist of water levels, precipitation measurements from existing regional rain gages or supplemental rain gages and analysis of the parameters

specified in the SWMP. These parameters shall initially include the specific analytical suites specified in attached Table 1, as well as any other parameters specified in the SWMP and updates of the plan.

17. After four samples are collected at a particular station, DOE shall evaluate the data and propose changes, as appropriate, in the SWMP to EPA for approval in the annual update to the SWMP.

18. DOE shall submit a Site-specific storm water monitoring plan for fiscal year 2005, known as a SWMU Storm Water Pollution Prevention Plan (SWMU/SWPPP), to EPA for review and approval (with a copy provided to NMED), by March 31, 2005. EPA's review and approval of the SWMU/SWPPP shall be coordinated with input from NMED.

19. The SWMU/SWPPP shall describe a monitoring and erosion control program to control and limit contamination migration and transport from Sites within the Laboratory and within individual or combined site boundaries and to monitor the effectiveness of controls at the sites.

20. DOE shall continue to evaluate all Sites for erosion potential, using the Laboratory's Standard Operating Procedure – *Surface Water Site Assessment* (SOP 2.01). DOE shall monitor all Sites scoring above the erosion matrix score of 40 (on a scale of 0-100) (see Table 2) during the next four (4) years. DOE will attach a table to the SWMU/SWPPP and each update showing the Sites scoring above 40 and the year in which the Sites will be sampled according to the SWMU/SWPPP. Monitoring shall be required to continue until the absence of pollutants or contaminants in runoff exceeding water screening action levels has been verified.

21. The initial SWMU/SWPPP for the Sites, due on March 31, 2005, shall contain: (a) a description of the approach employed to identify and prioritize the Sites by watershed where there is the greatest potential for erosion and contamination to impact surface water(s) of the state; (b) a description of the types of erosion control measures implemented; (c) a description of the process for determining the specific erosion control measures and monitoring program to be implemented at each Site; (d) the criteria for evaluating which Sites may be grouped as substantially identical outfalls or storm water management areas; (e) a description of post sampling activities, including data assessment and contingency measures to address releases that may be identified during sampling; and (f) an inspection and maintenance schedule. The initial SWMU/SWPPP will also identify the initial group of Sites that were individually monitored during 2004, and the group of Sites to be individually monitored in 2005.

22. DOE shall submit annual updates of the SWMU/SWPPP to EPA for review and approval, with a copy provided to NMED, by March 31st of each year, beginning in 2006. The annual updates to the SWMU/SWPPP shall include: (a) any proposed changes to the Site-specific erosion control and monitoring program; (b) the tabular results of Site-specific monitoring and sampling conducted at the Laboratory during the previous year; (c) any proposed changes to the inspection and maintenance schedule for existing or proposed erosion controls at designated Sites; (d) the criteria used to determine the need for erosion control measures maintenance and/or upgrades; and (e) the group of Sites that shall be individually monitored during the coming year.

23. Site-specific monitoring stations shall be generally located upstream of the confluence with other surface water(s) and in a location that allows for the collection of representative samples. Constituents to be monitored at each Site shall at a minimum include the pollutants or contaminants identified in Table 1 or in the applicable SWMU/SWPPP.

24. DOE shall comply with the applicable surface water quality standards pursuant to the CWA (33 U.S.C. §§ 1251-1387), the New Mexico Standards for Interstate and Intrastate Surface Waters (20.6.4 NMAC) and this Agreement. Pollutant or contaminant concentrations shall be compared to the appropriate water screening action level (wSAL) to determine whether pollutant or contaminant transport has occurred. The wSALs shall be established in the SWMP and the SWMU/SWPPP. If there are pollutants or contaminants detected above an established wSAL, DOE shall conduct an investigation to determine the source within 30 days of receipt of the data, and evaluate BMPs in accordance with subparagraphs A through D of this paragraph. Where an analytical result is higher than a wSAL, DOE shall take appropriate and timely corrective actions. For the purposes of this agreement, corrective action may include: install, re-examine, repair, modify BMPs, or source identification to control or eliminate the source or migration of pollutants or contaminants. Corrective actions taken to address exceedances of wSALs shall be reported to EPA Region 6 and NMED with the quarterly status report pursuant to paragraph 27, and shall be included in the annual modification of the SWMU/SWPPP. Failure to take corrective action in accordance with this paragraph shall be a violation of this Agreement. Each exceedance shall require additional corrective actions in accordance with this paragraph. Exceedances of wSALs are not necessarily violations of water quality standards and

the purpose of wSALs is to determine the level of BMPs necessary to protect water quality standards. DOE shall identify the contaminants that are present in soil and sediment at concentrations greater than NMED approved background concentrations (Ryti, et al., 1998) at each SWMU or AOC upstream from all watershed monitoring stations. DOE must monitor for the identified contaminants and implement corrective action as follows:

A. If only one unfiltered grab sample is collected in a three-month period and the analytical result is greater than the wSAL, then DOE will identify the source and implement corrective actions.

B. If more than one, but less than four unfiltered grab samples are collected in a three month period, and the analytical results of any one sample exceeds the wSAL, then DOE will identify the source and implement corrective actions.

C. If four or more unfiltered samples are collected during a three-month period, and the analytical result of only one sample is greater than the wSAL, then DOE will, at a minimum, examine the site, and make repairs if necessary. No additional corrective action is required at that time.

D. If corrective actions are required at any SWMU or AOC, then monitoring shall continue for a minimum of one additional year.

V. REPORTING

25. For watershed monitoring, the monitoring period shall be the calendar year. All results for watershed monitoring shall be submitted to EPA and NMED by March 31st of each

year following the monitoring period (e.g., DOE shall submit the results for calendar year 2004 by March 31, 2005). Exceedances of wSALs shall be reported in writing to EPA and NMED monthly by the 28th day of the following month in which analytical results are received.

26. All results for Site-specific monitoring according to the SWMU/SWPPP shall be reported to EPA and NMED by March 31st of each year following the monitoring period (e.g., monitoring results for calendar year 2004 shall be reported by March 31, 2005). Exceedances of wSALs shall be reported in writing to EPA and NMED monthly, by the 28th day of the following month.

27. DOE shall submit a written status report to EPA Region 6 and NMED Surface Water Quality Bureau no later than sixty (60) days after the end of each quarter. The status report shall be submitted in addition to any other reporting or certification required under this Agreement or pursuant to law or regulation. The status report shall state and describe the cause of any failure to comply with this Agreement and at a minimum shall include: (a) the deadlines and other milestones which DOE was required to meet during the reporting period; (b) the progress made toward meeting the deadlines and other milestones; (c) the reasons for any noncompliance; and (d) corrective actions taken to address exceedances of wSALs, and (e) a description of any matters relevant to the status of its compliance with this Agreement.

28. Notification to EPA of any noncompliance with any provision of the Agreement or anticipated delay in performing any obligation under the Agreement shall not excuse DOE's noncompliance or anticipated delay.

29. Unless specified otherwise, when written notification to, or communication with EPA is required by the terms of the Agreement, it shall be addressed to Ms. Waudelle Strickley, U.S. EPA Region 6, 1445 Ross Avenue, Suite 1200 (6EN-WC), Dallas, Texas 75202-2733. Correspondence to NMED shall be addressed to New Mexico Environment Department, Surface Water Quality Bureau Chief, Harold Runnels Building, 1190 St. Francis Dr., P.O. Box 26110, Santa Fe, New Mexico 87502-6110.

30. Each notification or communication to EPA or NMED shall be deemed submitted on the date it is postmarked and shall be sent by certified mail, return receipt requested. DOE shall maintain records of each notification or communication to EPA for the duration of the Agreement.

31. All reports submitted to EPA or NMED pursuant to this Agreement shall be signed by a duly authorized representative of DOE in accordance with 40 C.F.R. § 122.22(b). Each submission shall be admissible as evidence in any proceeding to enforce this Agreement. Each submission shall include the following certification pursuant to 40 C.F.R. § 122.22(d):

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

VI. COMPLIANCE WITH OTHER LAWS AND REGULATIONS

32. Compliance with the terms of this Agreement shall not affect or relieve DOE of its obligations to comply with all applicable requirements of the CWA and regulations promulgated thereunder or other applicable requirements of federal, state, tribal or local law.

VII. ENTRY AND INSPECTION

33. DOE shall allow EPA or NMED representatives, including an authorized contractor acting as a representative of EPA, upon presentation of credentials and other documents as may be required by law or institutional safety/security requirements, to: (a) enter the premises of the Laboratory to conduct inspections for the purpose of determining whether DOE is in compliance with the Agreement; (b) have access to, and copy at reasonable times any records which relate to the activities regulated under the Agreement; (c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under the Agreement; and (d) sample or monitor at reasonable times for the purpose of assuring compliance with the Agreement. Nothing herein shall be construed to limit or expand EPA's or NMED's entry and inspection authority under the CWA, or other applicable laws.

VIII. DISPUTE RESOLUTION

34. In the event of a dispute relating to an interpretation or alleged violation of this Agreement, EPA and DOE shall meet promptly and work in good faith in an effort to reach a mutually agreeable resolution of the dispute.

35. The procedures set forth in this Agreement for the resolution of disputes relating to this Agreement shall govern the resolution of such disputes, unless otherwise specifically provided for in the Agreement. During the pendency of any dispute, DOE shall continue to abide by those provisions of the Agreement, which are not in dispute.

36. The pendency of any dispute relating to this Agreement shall not affect DOE's responsibility to perform the work required by this Agreement in a timely manner, except that the time period for completion of work affected by such dispute may, at EPA's sole discretion, be extended for a period of time not to exceed the actual time taken to resolve any good faith dispute in accordance with the procedures specified herein. All elements of work required by this Agreement, which are not affected by the dispute, shall continue and be completed in accordance with applicable schedule.

37. The parties to this Agreement shall make all reasonable efforts to informally resolve disputes with the project manager or immediate supervisor level. The EPA official, with respect to this Agreement, is Mr. Taylor Sharpe, Enforcement Officer, EPA Region 6. The DOE Project Manager, with respect to this Agreement, means the LASO Environmental Permit Manager. If a resolution cannot be achieved informally, the procedures of this section shall be implemented to resolve a dispute.

38. Within fourteen days following an event which gives rise to a dispute DOE shall submit to EPA a written statement setting forth the nature of the dispute, DOE's position with respect to the dispute and the factual and other information DOE is relying upon to support its position. NMED shall be provided a copy of the written statement at the same time. If DOE

does not provide such written statement to EPA within the fourteen-day period, DOE shall be deemed to have agreed with EPA's position with respect to the dispute.

39. Upon EPA's receipt of DOE's written statement the Project Managers and/or their immediate managers shall engage in discussions to resolve the dispute. The parties shall resolve the dispute within fourteen days of EPA's receipt of DOE's written statement. During the fourteen-day period, the Project Managers shall confer as many times as necessary to discuss and attempt to resolve the dispute. If an agreement is not reached on any issue within the fourteen-day period, DOE may within ten days thereafter submit a written notice to EPA elevating the dispute to the Dispute Resolution Committee (DRC) for resolution. If DOE does not elevate the dispute to the DRC within the ten-day period, DOE shall be deemed to have agreed with EPA's position with respect to the dispute.

40. The DRC will serve as a forum for resolution of disputes for which agreement has not been reached pursuant to the foregoing paragraphs in this section. Following elevation of a dispute to the DRC, the DRC shall have thirty days to unanimously resolve the dispute. The EPA representative on the DRC is Mr. John Emerson, EPA Region 6. The DOE representative on the DRC is the LASO Assistant Manager for Environmental Management. Notice of the delegation of the authority from a party's representative on the DRC to an alternate shall be provided to the other party in writing within seven days of the delegation.

41. If unanimous resolution by the DRC is not achieved within the thirty-day period, DOE may, within twenty-one days thereafter, submit a written notice of dispute to the Regional Administrator of EPA Region 6 for final resolution of the dispute. In the event that the dispute

is not elevated to the Regional Administrator of EPA Region 6 within the twenty-one day period, DOE shall be deemed to have agreed with the original EPA position with respect to the dispute.

42. Within twenty-one days of the resolution of a dispute, pursuant to the procedures specified in this section, DOE shall incorporate the resolution and final determination into the appropriate statement of work, plan, schedule or procedures and proceed to implement this Agreement according to the amended statement of work, plan, schedule or procedures.

43. Resolution of a dispute pursuant to this section of the Agreement constitutes a final resolution of any dispute arising under this Agreement. The parties shall abide by all the terms and conditions of any final resolution of dispute obtained pursuant to this section of the Agreement.

IX. MODIFICATIONS

44. The requirements, timetables and deadlines under this Agreement may be modified upon DOE's request for modification and upon a showing of good cause for the modification. A request for modification shall be submitted in writing to EPA Region 6 within ten days of the event or circumstances giving rise to the request and shall specify the requirement, timetable or deadline for which a modification is sought; the circumstances constituting good cause and any related requirement, timetable, deadline or schedule that would be affected if the request were granted. NMED shall be provided a copy of the request at the same time as EPA.

45. Good cause exists for a modification when sought with respect to: (a) a force majeure event; (b) a delay caused, or which is likely to be caused, by the granting of a modification with regard to another timetable, deadline or schedule; (c) a delay caused by failure of a regulatory agency to perform its duties in a timely manner, where regulatory action is necessary to proceed with performance of an obligation in a timely manner and DOE has made a timely and complete request for action from the regulatory agency; (d) a scientific basis exists which demonstrates that another requirement, deadline or timetable would be adequate to achieve the wSALs set forth in this Agreement, protect water quality and achieve the goals of the CWA; or (e) any other event or series of events mutually agreed to by the parties as constituting good cause.

46. For the purposes of this Agreement, force majeure means any event arising from causes beyond the control of DOE or of entities controlled by DOE, including, but not limited to, contractors and subcontractors, which could not be overcome by the due diligence of DOE or the entities controlled by DOE, which event delays or prevents the performance of any obligation under this Agreement, including acts of God or war, labor unrest, civil disturbance or any judicial order which prevents compliance with the provisions of this Agreement. Force majeure shall not include increased costs of the performance of any activity required by this Agreement, the failure of contractors, employees or agents of DOE to perform or the avoidable malfunction of equipment.

47. Within twenty-one days of receipt of a request for a modification EPA shall advise DOE and NMED of its position on the request. If EPA does not concur in the modification, it shall so advise DOE in writing and include an explanation of the basis for its position.

X. FUNDING

48. It is the expectation of the parties that all obligations of DOE under the Agreement will be fully funded. DOE agrees to use every legally available mechanism to seek sufficient funding to fulfill its obligations under the Agreement.

49. No provision herein shall be interpreted to require obligations or payment of funds in violation of the Anti-Deficiency Act, 31 U.S.C. § 1341. Where a payment or obligation of funds would constitute a violation of the Anti-Deficiency Act, the dates established for the payment or obligation shall be appropriately adjusted within the terms set forth in this Agreement.

50. If funds are not available to fulfill DOE's obligations under this Agreement, EPA reserves the right to initiate an action against any other person or to take any action which would be appropriate absent this Agreement.

XI. GENERAL PROVISIONS

51. The parties agree that the terms and conditions of this Agreement are enforceable as appropriate by any person pursuant to Section 505 of the CWA, 33 U.S.C. § 1365. Terms and conditions of this Agreement which are changed by an agreed upon modification shall be enforceable as changed. Nothing in this Agreement shall be deemed to waive the sovereign immunity of the United States beyond what is already accomplished in the CWA.

52. This Agreement has been negotiated and executed by the parties in good faith to ensure compliance with the law. No part of this Agreement constitutes or should be interpreted or construed as an admission of fact or of liability under federal, state or local laws, regulations, ordinances or common law or as an admission of a violation of any law, regulation, ordinance or common law. By entering into this Agreement DOE does not waive any claim, right or defense that it might raise in any other proceeding or action.

53. If any provision or authority of this Agreement or the application of this Agreement to any party or circumstance is determined by any judicial or administrative authority to be invalid, the application of such provisions to other parties or circumstances and the other provisions of the Agreement shall remain in full force and effect and shall not be affected thereby.

54. The effective date of this Agreement shall be the date on which it is signed by the last signatory. This Agreement shall be effective if signed in counterparts.

55. All references to "days" herein are references to calendar days. The last day of a time period shall be included, unless it is a Saturday, a Sunday or a legal holiday in which event the period runs until the end of the next day that is not a Saturday, a Sunday or a legal holiday.

56. This Agreement shall terminate upon the issuance of an individual permit, which regulates discharges of storm water governed by this Agreement.

2/3/05
Date

John Blevins
Director
Compliance Assurance and
Enforcement Division
U. S. EPA Region 6

1/31/05
Date

Edwin L. Wilmot
Manager
Los Alamos Site Office
National Nuclear Security Administration
U. S. Department of Energy

Table 1
Surface Water Monitoring and Sampling Stations

Canyon and Location	Current Monitoring Station	Sources Monitored	Proposed SWMU Monitoring Station	Order Requested Analytical Suite
Los Alamos/Pueblo Canyon Watershed Gage Stations				
Los Alamos Canyon (Reservoir, or above Ice Rink, or below Ice Rink)	E026	Watershed (ESR Support)		Metals, PCBs, Flow
Los Alamos Canyon above DP Canyon	E030	SWMUs		Metals, PCBs, Flow
DP Canyon above TA-21	E038	SWMUs		Metals, PCBs, Flow
DP Canyon below meadow at TA-21	E039	SWMUs		Metals, PCBs, Flow
DP Canyon above Los Alamos Canyon	E040	Watershed (ESR Support)		Metals, Flow
Los Alamos above SR-4	E042	SWMUs		Metals, Flow
Los Alamos below LA Weir (Downstream Facility Boundary)	E050	Watershed (ESR Support)		Metals, PCBs, Flow
Pueblo Canyon above Acid Canyon	E055	SWMUs		Metals, PCBs, Flow
South Fork of Acid Canyon	E055.5	Watershed (ESR Support)		Metals, PCBs, Flow
Acid Canyon above Pueblo Canyon	E056	SWMUs		Metals, PCBs, Flow
Pueblo above SR 502 (Downstream Facility Boundary)	E060	SWMUs		Metals, PCBs, Dioxins/Furans, Flow
Guaje Canyon at SR 502	E099	Watershed (ESR Support)		Metals, PCBs, Flow
Los Alamos at Rio Grande	E110	Watershed (ESR Support)		Metals, PCBs, Dioxins/Furans, Flow
Sandia Canyon Watershed Gage Stations				

Canyon and Location	Current Monitoring Station	Sources Monitored	Proposed SWMU Monitoring Station	Order Requested Analytical Suite
Sandia Canyon, right fork at Power Plant (South Fork)	E121	Power Plant and SWMUs		Metals, Molybdenum, PCBs, Flow
Sandia Canyon, left fork at Asphalt Plant (North Fork)	E122	3-38 Metals Shop and SWMUs		Metals, PCBs, Flow
Sandia Canyon below Wetlands	E123	Watershed (ESR Support)		Metals, Molybdenum, PCBs, Flow
Sandia Canyon above Firing Range	E124	SWMUs		Metals, HE, PCBs, Flow
Sandia Canyon above SR 4 (Downstream Facility Boundary)	E125	Watershed (ESR Support)		Metals, HE, PCBs, Flow
Mortandad Canyon Watershed Gage Stations				
Mortandad Canyon below Effluent Canyon	E200	SWMUs		Metals, Perchlorate, PCBs, Flow
Mortandad Canyon above Ten Site	E201	SWMUs		Metals, Perchlorate, PCBs,
TA-50 South (MDA C)	E201.3	TSDFs and SWMUs	201.5	Metals, Flow
Ten Site Canyon above Mortandad	E201.5	SWMUs		Metals, Flow
Mortandad above Sediment Traps	E202	Watershed (ESR Support)		Metals, Flow
Mortandad below Sediment Traps	E203	Watershed (ESR Support)		Metals, Flow
Mortandad at Facility Boundary (Downstream Facility Boundary)	E204	SWMUs		Metals, Perchlorate, Flow
Upper Cañada del Buey	E218	SWMUs		SCC, Rad, Metals, PCB, Flow
46-004(a)	Wasteline	SWMUs		"
46-004(a2)	Outfall	SWMUs		"
46-004(c2)	Outfall	SWMUs		"

Canyon and Location	Current Monitoring Station	Sources Monitored	Proposed SWMU Monitoring Station	Order Requested Analytical Suite
46-004(d2)	Stack emissions	SWMUs		"
46-004(g)	Outfall/Stack Emissions	SWMUs		"
46-004(h)	Outfall/Stack Emissions	SWMUs		"
46-004(m)	Outfall	SWMUs		"
46-004(s)	Outfall	SWMUs		"
Cañada del Buey near MDA G	E225	SWMUs		Metals, PCBs, Flow
Cañada del Buey above SR 4 (Downstream Facility Boundary)	E230	Watershed (ESR Support)		Metals, PCBs, Flow
Pajarito Canyon Watershed Gage Stations				
Pajarito Canyon below SR 501	E240	Watershed (ESR Support)		Metals, Flow
Pajarito above Starmers	E241	Watershed (ESR Support)		Metals, Flow
Starmers above Pajarito	E242	SWMUs		Metals, Flow
La Delfe above Pajarito	E242.5	SWMUs		Metals, HE, Flow
Pajarito above Two-Mile Confluence	E243	SWMUs		Metals, HE, Flow
Two Mile Tributary at TA-3	E243.5	3-38 Metals Shop and SWMUs	E244	Metals, Dioxin/Furans, Flow
Two Mile above Pajarito Confluence	E244	SWMUs		Metals, Dioxin/Furan, HE, PCBs, Flow
Three Mile above Pajarito Confluence	E246	SWMUs		Metals, HE, PCBs, Flow

Canyon and Location	Current Monitoring Station	Sources Monitored	Proposed SWMU Monitoring Station	Order Requested Analytical Suite
Pajarito above TA-18	E245	Watershed (ESR Support)		Metals, HE, PCBs, Flow
Pajarito above Three Mile	E245.5	Watershed (ESR Support)		Metals, HE, PCBs, Flow
Pajarito (TA-54-MDA G)	E247	Watershed (ESR Support)		Metals, PCBs, Flow
Pajarito (TA-54-MDA G)	E227	TSDF and Landfill	E230	Metals, PCBs, Flow
Pajarito (TA-54-MDA G)	E248.5	TSDF and Landfill	E250	Metals, PCBs, Flow
Pajarito (TA-54-MDA G)	E249	TSDF and Landfill	E250	Metals, PCBs, Flow
Pajarito above SR 4 (Downstream Facility Boundary)	E250	TSDF and Landfill		Metals, HE, Dioxins/Furans, PCBs, Flow
Water Canyon Watershed Gage Stations				
Water Canyon above SR 502	E252	Watershed (ESR Support)		Metals, Flow
Cañon de Valle	E253	Watershed (ESR Support)		Metals, Flow
Cañon de Valle below MDA P	E256	TSDFs and SWMUs		Metals, HE, Flow
Cañon de Valle tributary at Burning Grounds	E257	TSDF	E261	Metals, HE, Flow
Water Canyon above S-Site Canyon	E260	SWMUs		Metals, HE, Flow
S-Site Canyon above Water Canyon	E261	SWMUs		Metals, HE, Flow

Canyon and Location	Current Monitoring Station	Sources Monitored	Proposed SWMU Monitoring Station	Order Requested Analytical Suite
Cañon de Valle above Water Canyon	E262	TSDFs and SWMUs		Metals, HE, Flow
Water Canyon below MDA AB	E262.5	SWMUs		Metals, HE, Flow
Water Canyon at SR 4	E263	Watershed (ESR Support)		Metals, HE, Flow
Indio Canyon at SR 4	E264	Watershed (ESR Support)		Metals, HE, Flow
Water below SR 4 (Downstream Facility Boundary)	E265	Watershed (ESR Support)		Metals, PCBs, Flow
Potrillo Canyon at Lower Slobovia	E266	SWMUs		Metals, HE, Flow
Potrillo above SR 4 (Downstream Facility Boundary)	E267	SWMUs		Metals, Flow
Ancho Canyon Watershed Gage Stations				
Ancho Canyon, north fork below SR 4 (TA-39)	E274	TSDFs and SWMUs		Metals, HE, PCBs, Flow
Ancho Canyon, below SR 4 (Downstream Facility Boundary)	E275	Watershed (ESR Support)		Metals, HE, PCBs, Flow
Chaquehui Canyon Watershed Gage Stations				
Chaquehui at TA-33 (South Site)	E338	SWMUs		Metals, Flow
Chaquehui tributary at TA-33 (Main Site)	E340	SWMUs		Metals, Flow

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
00-010(a)	51.5	Surface disposal site	Yes	No	No	Pueblo Canyon	
00-011(d)	73.8	Mortar impact area	Yes	No	Yes	Rendija Canyon	
00-017	67.5	Waste lines	Yes	No	Yes	Los Alamos Canyon	
00-018(a)	42.8	Sludge bed Wastewater treatment plant Pueblo (decommissioned)	Yes	No	Yes	Pueblo Canyon	
00-019	51.5	Wastewater treatment plant, Central	Yes	Yes	Yes	Graduation Canyon	
00-029(b)	42.8	Transformer	No	No	No	Pueblo Canyon	
00-030(g)	47.2	Septic system (near old Catholic Church parking lot)	Yes	No	Yes	Acid Canyon	
00-030(i)	54.5	Septic system	Yes	Yes	No	Los Alamos Canyon	
01-001(c)	76.5	Septic tank 137	Yes	No	Yes	Los Alamos Canyon	
01-001(d)	74.5	Septic tank 138 (hillside)	Yes	Yes	Yes	Los Alamos Canyon	
01-001(f)	56.7	Septic tank 140 (hillside)	Yes	Yes	Yes	Los Alamos Canyon	
01-002	71.5	Former Outfall TA-45 (PRS listed as TA-1)	Yes	Yes	Yes	Acid Canyon	
01-003(a)	79.0	Landfill	Yes	No	Yes	Los Alamos Canyon	
01-003(d)	49.5	Surface disposal site (Can dump)	Yes	Yes	Yes	Los Alamos Canyon	
01-003(e)	83.0	Surface disposal site	Yes	Yes	Yes	Los Alamos Canyon	
01-006(b)	76.5	Drain lines and outfall	Yes	No	Yes	Los Alamos Canyon	
01-006(c)	76.5	Drain lines and outfall	Yes	No	Yes	Los Alamos Canyon	
01-006(d)	76.5	Drain lines and outfall	Yes	No	Yes	Los Alamos Canyon	
01-006(n)	76.5	Drain lines and outfall	Yes	No	Yes	Los Alamos Canyon	
02-003(a)	57.6	Reactor facility	Yes	No	No	Los Alamos Canyon	
02-003(e)	40.5	Holding tank (near reactor water boiler)	Yes	No	No	Los Alamos Canyon	
02-006(b)	51.8	Ind. or san. waste water treat.	Yes	Yes	Yes	Los Alamos Canyon	
02-007	44.8	Septic system	Yes	Yes	Yes	Los Alamos Canyon	
02-008(a)	55.8	Outfall	Yes	Yes	Yes	Los Alamos Canyon	
02-009(a)	57.0	Non-intentional release	Yes	Yes	Yes	Los Alamos Canyon	
02-009(b)	44.8	Non-intentional release	Yes	Yes	Yes	Los Alamos Canyon	
02-009(c)	51.3	Non-intentional release	Yes	Yes	Yes	Los Alamos Canyon	
02-011(a)	57.0	Storm drain and outfall	Yes	No	No	Los Alamos Canyon	
03-003(m)	46.3	Storage area (Capacitor banks)	Yes	No	No	Sandia Canyon	
03-009(a)	61.3	Surface disposal (soil fill)	No	No	Yes	Sandia Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
03-009(c)	42.0	Surface disposal	No	No	No	Mortandad Canyon	Approved NFA
03-009(d)	42.8	Surface disposal site	Yes	Yes	Yes	Two Mile Canyon	
03-010(a)	69.0	vacuum repair shop (former location) Systematic release site	Yes	Yes	Yes	Two Mile Canyon	
03-012(a)	43.3	One-time spill	Yes	No	No	Mortandad Canyon	Approved NFA
03-012(b)	65.0	Operational release and outfall	Yes	Yes	Yes	Sandia Canyon	
03-013(a)	45.0	Operational release	Yes	Yes	Yes	Sandia Canyon	
03-013(b)	45.0	Operational release	Yes	Yes	No	Sandia Canyon	
03-014(b2)	46.3	Outfall	Yes	No	No	Sandia Canyon	
03-014(c2)	72.0	Outfall	Yes	Yes	No	Sandia Canyon	
03-029	44.3	Landfill	Yes	Yes	Yes	Sandia Canyon	
03-045(b)	65.0	Ind. or san. waste water treatment	Yes	Yes	Yes	Sandia Canyon	
03-045(c)	57.7	Outfall	Yes	Yes	Yes	Sandia Canyon	
03-045(i)	46.5	Outfall (Ind. or san. waste water treatment)	Yes	No	No	Sandia Canyon	Approved NFA
03-052(f)	45.0	Storm drainage	Yes	Yes	Yes	Sandia Canyon	
03-054(b)	65.8	Outfall	Yes	Yes	Yes	Two Mile Canyon	
03-054(e)	89.0	Outfall	Yes	Yes	Yes	Mortandad Canyon	
03-055(a)	61.0	Outfall	Yes	No	Yes	Two Mile Canyon	
03-055(b)	73.5	Outfall	Yes	Yes	No	Two Mile Canyon	
03-056(c)	45.0	Transformer storage area - PCB only site	Yes	Yes	Yes	Sandia Canyon	
04-001	45.0	Firing Site	Yes	Yes	Yes	Ten Site Canyon	
04-002	51.5	Surface disposal	Yes	Yes	Yes	Ten Site Canyon	
04-003(a)	57.3	Outfall	Yes	No	Yes	Canada del Buey	
04-003(b)	51.5	Outfall	Yes	Yes	Yes	Ten Site Canyon	
04-004	57.3	Soil contamination beneath bldgs.	Yes	No	No	Canada del Buey	
05-001(a)	45.0	Former Firing Site	Yes	Yes	Yes	Mortandad Canyon	
05-001(b)	45.0	Former Firing Site	Yes	Yes	Yes	Mortandad Canyon	
05-001(c)	73.5	Former Firing Site	Yes	Yes	No	Mortandad Canyon	
05-004	49.7	Former Septic system	Yes	Yes	Yes	Mortandad Canyon	
05-005(a)	45.0	Former French drain	Yes	Yes	Yes	Mortandad Canyon	
05-005(b)	53.7	Outfall	Yes	Yes	Yes	Mortandad Canyon	
05-006(b)	45.0	Soil contamination beneath former bldgs.	Yes	Yes	Yes	Mortandad Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
05-006(c)	53.7	Soil contamination beneath former bldgs.	Yes	Yes	Yes	Mortandad Canyon	
05-006(e)	45.0	Soil contamination beneath former bldgs.	Yes	Yes	Yes	Mortandad Canyon	
05-006(h)	45.0	Soil contamination beneath former bldgs.	Yes	Yes	Yes	Mortandad Canyon	
06-007(g)	50.8	Building & surface disposal	Yes	Yes	Yes	Two Mile Canyon	
07-001(b)	55.5	Firing site (inactive)	Yes	Yes	Yes	Pajarito Canyon	
07-001(c)	46.7	Firing site (inactive)	No	No	Yes	Two Mile Canyon	
07-001(d)	55.5	Firing site (inactive)	Yes	Yes	Yes	Two Mile Canyon	
08-005	51.0	Container storage area	No	No	Yes	Pajarito Canyon	
08-006(a)	55.5	Material disposal area (MDA Q) Land fill	Yes	No	Yes	Pajarito Canyon	
08-009(d)	40.2	Ind. or san. wastewater treat.	No	No	Yes	Pajarito Canyon	
08-009(f)	42.0	Outfall	Yes	No	No	Pajarito Canyon	
09-004(g)	61.8	Settling tank	No	No	Yes	Pajarito Canyon	
09-004(o)	43.8	Settling tank	Yes	Yes	Yes	Pajarito Canyon	
09-005(a)	51.0	Septic system	No	No	Yes	Pajarito Canyon	
09-005(g)	51.0	Septic system	No	No	Yes	Pajarito Canyon	
09-009	58.8	Surface impoundment	Yes	Yes	Yes	Pajarito Canyon	
09-013	56.0	Material disposal area (MDA M)	Yes	Yes	Yes	Pajarito Canyon	
11-001(c)	56.2	Firing site (inactive)	Yes	Yes	Yes	Water Canyon	
11-003(a)	81.0	Mortar impact area	Yes	Yes	No	Water Canyon	
11-003(b)	55.5	Air Gun	Yes	No	No	Water Canyon	
11-004(a)	56.0	Drop tower - Firing Site (active)	Yes	Yes	Yes	Water Canyon	
11-004(b)	56.0	Drop tower - Firing Site (active)	Yes	Yes	Yes	Water Canyon	
11-004(c)	56.0	Drop tower - Firing Site (active)	Yes	Yes	Yes	Water Canyon	
11-004(d)	56.0	Drop tower - Firing Site (active)	Yes	Yes	Yes	Water Canyon	
11-004(e)	56.0	Drop tower - Firing Site (active)	Yes	Yes	Yes	Water Canyon	
11-004(f)	56.0	Drop tower - Firing Site (active)	Yes	Yes	No	Water Canyon	
11-005(c)	59.0	Ind. or san. wastewater treat.	No	No	Yes	Water Canyon	
11-006(b)	52.0	Tank and/or assoc. equip.	Yes	Yes	Yes	Water Canyon	
11-006(c)	68.8	Tank and/or assoc. equip.	Yes	Yes	Yes	Water Canyon	
11-006(d)	74.0	Tank and/or assoc. equip.	Yes	Yes	Yes	Water Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
14-001(g)	53.3	Firing site - active Open Burn/Open Detonation	Yes	No	No	Canon de Valle	
14-002(a)	46.3	Firing site (inactive)	Yes	Yes	Yes	Canon de Valle	
14-002(d)	40.8	Firing site (inactive)	Yes	Yes	Yes	Canon de Valle	
14-002(e)	47.8	Firing site (inactive)	Yes	Yes	Yes	Canon de Valle	
14-005	57.3	Incinerator (active)	Yes	No	Yes	Canon de Valle	
14-006	47.1	Tank and/or assoc. equip.	Yes	Yes	Yes	Canon de Valle	
14-009	53.7	Surface disposal site	Yes	Yes	Yes	Canon de Valle	
14-010	51.5	Sump	Yes	Yes	Yes	Canon de Valle	
15-006(c)	64.5	Firing site R-44 (inactive)	Yes	Yes	Yes	Three Mile Canyon	
15-007(b)	40.2	Material disposal area (MDA Z) Landfill	Yes	Yes	Yes	Canon de Valle	
15-008(a)	72.0	Surface disposal E/F site	Yes	Yes	Yes	Potrillo Canyon	
15-008(b)	67.2	Surface disposal	Yes	Yes	Yes	Three Mile Canyon	
15-008(d)	69.0	Surface disposal (still active)	Yes	No	Yes	Canon de Valle	
15-008(f)	57.3	I-J Firing site mounds @ TA-36 - active	Yes	No	No	Potrillo Canyon	
15-009(c)	71.5	Septic tank	Yes	Yes	Yes	Three Mile Canyon	
15-009(e)	44.7	Septic system E/F site	Yes	Yes	Yes	Potrillo Canyon	
15-010(c)	51.5	Operational release (still active)	Yes	Yes	Yes	Water Canyon	
15-011(b)	87.0	Dry well	Yes	Yes	Yes	Canon de Valle	
15-011(c)	87.0	Sump	Yes	Yes	Yes	Canon de Valle	
15-014(g)	55.5	Ind. or san. wastewater treat.	Yes	No	No	Canon de Valle	
15-014(j)	61.3	Outfall	Yes	Yes	Yes	Canon de Valle	
16-001(a)	67.0	Tank	No	No	Yes	Canon de Valle	
16-001(b)	45.0	Dry wells	No	No	Yes	Canon de Valle	
16-001(c)	45.0	Tank	No	No	Yes	Canon de Valle	
16-001(d)	45.6	Dry well	No	No	Yes	Water Canyon	
16-003(a)	55.5	Sump	Yes	Yes	Yes	Water Canyon	
16-003(f)	56.0	Sump	Yes	Yes	Yes	Water Canyon	
16-006(c)	49.5	Septic system	Yes	Yes	Yes	Water Canyon	
16-006(g)	46.0	Septic tank	No	No	Yes	Water Canyon	
16-010(b)	55.5	Burn site - RCRA Unit	Yes	Yes	Yes	Canon de Valle	
16-010(c)	47.2	Burn site - RCRA Unit	Yes	Yes	Yes	Canon de Valle	
16-010(d)	50.3	Burn site - RCRA Unit	Yes	Yes	Yes	Canon de Valle	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
16-010(g)	46.0	Waste water treatment facility	Yes	Yes	No	Canon de Valle	Approved NFA
16-016(c)	72.0	Landfill	Yes	Yes	Yes	Canon de Valle	
16-016(d)	44.5	Surface disposal site	No	No	Yes	Canon de Valle	
16-016(g)	46.1	Surface disposal site	No	No	Yes	Water Canyon	
16-018	69.3	Material disposal area MDA P RCRA (closure)	Yes	Yes	Yes	Canon de Valle	
16-019	82.5	Material disposal area (MDA R)	Yes	Yes	Yes	Canon de Valle	
16-020	61.3	Silver recovery unit	Yes	Yes	Yes	Canon de Valle	
16-021(c)	73.3	Ind. or san. waste water treatment	Yes	Yes	Yes	Canon de Valle	
16-026(a)	73.5	Outfall	Yes	Yes	Yes	Water Canyon	
16-026(c2)	61.8	Outfall TA-16-462	Yes	Yes	Yes	Water Canyon	
16-026(h2)	61.0	Outfall TA-16-360	Yes	Yes	Yes	Water Canyon	
16-026(j)	40.2	Outfall TA-16-226	Yes	No	Yes	Canon de Valle	
16-026(v)	65.8	Outfall	Yes	Yes	Yes	Water Canyon	
16-026(z)	49.6	Outfall	Yes	No	Yes	Water Canyon	
16-028(a)	51.5	South Drainage	Yes	Yes	Yes	Water Canyon	
16-028(b)	83.0	Ind. or san. waste water treatment TA-16-370	Yes	Yes	Yes	Water Canyon	
16-028(e)	47.2	Ind. or san. waste water treatment	No	No	Yes	Water Canyon	
16-029(s)	45.5	Sump	No	No	Yes	Canon de Valle	
16-029(t)	41.5	Sump	No	No	Yes	Canon de Valle	
16-030(g)	71.0	Outfall	Yes	Yes	No	Water Canyon	
18-003(c)	62.3	Septic system	Yes	Yes	Yes	Three Mile Canyon	
18-010(d)	46.2	Outfall	Yes	No	No	Pajarito Canyon	
18-010(f)	62.3	Outfall	Yes	No	No	Three Mile Canyon	
18-012(a)	59.2	Outfall	Yes	No	Yes	Pajarito Canyon	
18-012(b)	46.6	Outfall	Yes	No	Yes	Pajarito Canyon	
20-002(a)	48.6	Firing site	No	No	Yes	Sandia Canyon	
20-002(c)	73.8	Firing site	Yes	No	Yes	Sandia Canyon	
20-003(c)	57.4	Firing site	Yes	No	No	Sandia Canyon	
21-011(c)	54.0	Tank and Sump	Yes	Yes	Yes	DP Canyon	
21-011(k)	72.0	Outfall	Yes	Yes	Yes	DP Canyon	
21-013(b)	67.0	Surface disposal site	Yes	Yes	Yes	Los Alamos Canyon	
21-013(g)	67.0	Surface disposal site	Yes	Yes	No	BV Canyon	
21-016(a)	54.0	Material disposal area (MDA T)	Yes	Yes	Yes	DP Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
21-016(b)	54.0	Material disposal area (MDA T)	Yes	Yes	Yes	DP Canyon	
21-016(c)	54.0	Material disposal area (MDA T)	Yes	Yes	Yes	DP Canyon	
21-024(e)	56.0	Septic system	Yes	Yes	Yes	Los Alamos Canyon	
21-024(h)	54.0	Septic system	Yes	Yes	Yes	DP Canyon	
21-024(i)	53.7	Septic system	Yes	Yes	Yes	Los Alamos Canyon	
21-027(a)	52.0	Ind. or san. waste water treat.	Yes	No	Yes	Los Alamos Canyon	
21-027(b)	46.8	Outfalls	Yes	No	No	Los Alamos Canyon	Approved NFA
21-027(d)	45.0	Drain line	Yes	No	Yes	Los Alamos Canyon	
21-029	56.6	Soil contamination area	Yes	No	Yes	DP Canyon	
22-014(b)	56.0	Sump	Yes	No	Yes	Two Mile Canyon	
22-015(c)	51.5	Outfall	Yes	Yes	Yes	Pajarito Canyon	
26-001	65.0	Surface disposal site	Yes	Yes	Yes	Los Alamos Canyon	
32-004	42.0	Drain line and outfall - new AOC	Yes	Yes	No	Los Alamos Canyon	
33-004(d)	56.0	Septic system	No	No	Yes	Chaquehui Canyon	
33-004(h)	56.6	Outfall	Yes	No	Yes	Chaquehui Canyon	
33-004(j)	85.0	Outfall	Yes	Yes	Yes	Chaquehui Canyon	
33-005(a)	49.0	Septic system	No	No	Yes	Chaquehui Canyon	
33-005(b)	49.0	Septic system	No	No	Yes	Chaquehui Canyon	
33-005(c)	49.0	Septic system	No	No	Yes	Chaquehui Canyon	
33-006(a)	56.0	Firing site (inactive)	Yes	Yes	Yes	Chaquehui Canyon	
33-007(b)	59.3	Firing range (inactive)	Yes	Yes	Yes	Chaquehui Canyon	
33-008(c)	56.0	landfill	Yes	Yes	No	Chaquehui Canyon	
33-010(a)	53.2	Surface disposal	Yes	Yes	Yes	Chaquehui Canyon	
33-010(b)	45.0	Surface disposal	Yes	Yes	Yes	Rio Grande Valley	
33-010(c)	60.5	Surface disposal	Yes	Yes	Yes	Chaquehui Canyon	
33-010(d)	45.0	Surface disposal	Yes	Yes	Yes	Ancho Canyon	
33-010(e)	47.2	Surface disposal (Area 6)	Yes	No	No	Chaquehui Canyon	
33-010(f)	47.2	Surface disposal	No	No	Yes	Chaquehui Canyon	
33-010(g)	47.8	Surface disposal	No	No	Yes	Chaquehui Canyon	
33-011(b)	49.0	Storage area	Yes	Yes	No	Chaquehui Canyon	
33-015	50.8	Incinerator	Yes	No	Yes	Chaquehui Canyon	
33-016	54.5	Sump	Yes	No	Yes	Chaquehui Canyon	
35-003(d)	59.0	Waste water treatment facility	Yes	Yes	Yes	Pratt Canyon	
35-003(h)	44.2	Waste water treatment facility	No	No	Yes	Mortandad Canyon	
35-003(l)	59.0	Waste water treatment facility	Yes	Yes	Yes	Pratt Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
35-003(p)	50.8	Waste water treatment facility	Yes	Yes	Yes	Pratt Canyon	
35-003(q)	59.0	Waste water treatment facility	Yes	Yes	Yes	Pratt Canyon	
35-003(r)	87.0	Outfall	Yes	Yes	No	Ten Site Canyon	
35-004(h)	50.8	Container storage area	Yes	Yes	Yes	Pratt Canyon	
35-005(a)	45.6	Surface impoundment (closure) Bldg 85 duplicate of 35-006	Yes	No	No	Mortandad Canyon	
35-006	45.6	Surface impoundment (closure) Bldg 85 duplicate of 35-005(a)	Yes	No	No	Mortandad Canyon	Approved NFA
35-008	61.0	Surface disposal and landfil	Yes	Yes	Yes	Mortandad Canyon	
35-014(e)	61.0	Oil Spill	Yes	Yes	Yes	Mortandad Canyon	
35-014(e2)	45.6	Oil Spill	Yes	No	No	Mortandad Canyon	
35-016(a)	92.0	Drains and outfalls	Yes	Yes	Yes	Ten Site Canyon	
35-016(b)	96.0	Outfall	Yes	Yes	No	Ten Site Canyon	
35-016(c)	47.2	Outfall	Yes	Yes	Yes	Ten Site Canyon	
35-016(d)	76.5	Outfall	Yes	Yes	Yes	Ten Site Canyon	
35-016(e)	72.0	Outfall	Yes	Yes	No	Mortandad Canyon	
35-016(f)	76.5	Storm drain	Yes	Yes	No	Mortandad Canyon	
35-016(g)	68.3	Outfall	Yes	Yes	No	Mortandad Canyon	
35-016(h)	76.5	Storm drain	Yes	Yes	No	Mortandad Canyon	
35-016(i)	61.0	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
35-016(k)	53.0	Drains and outfalls	Yes	No	Yes	Pratt Canyon	
35-016(l)	64.0	Storm drain	Yes	Yes	No	Pratt Canyon	
35-016(m)	72.0	Drains and outfalls	Yes	Yes	Yes	Pratt Canyon	
35-016(n)	42.8	Storm drain	Yes	No	No	Ten Site Canyon	
35-016(o)	60.3	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
35-016(p)	60.3	Outfall	Yes	No	Yes	Mortandad Canyon	
35-016(q)	92.0	Drains and outfalls	Yes	Yes	Yes	Ten Site Canyon	
36-001	45.7	Material disposal area (MDA AA)	Yes	Yes	Yes	Potrillo Canyon	
36-003(b)	50.2	Septic system, I-J site	Yes	Yes	Yes	Potrillo Canyon	
36-004(a)	48.5	Firing site - active	Yes	Yes	No	Potrillo Canyon	
36-004(b)	57.3	Firing site - active	Yes	Yes	No	Fence Canyon	
36-004(c)	68.3	Firing site - active (Open Detonation)	Yes	Yes	No	Potrillo Canyon	
36-004(e)	57.3	I-J Firing site - active	Yes	Yes	No	Potrillo Canyon	
36-005	45.4	Surface disposal site	Yes	No	Yes	Fence Canyon	

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Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
36-006	78.0	Surface disposal site	Yes	Yes	Yes	Potrillo Canyon	
36-008	52.0	Surface Disposal Area	Yes	Yes	Yes	ThreeMile Canyon	
39-004(a)	74.0	Firing site - active (Open Detonation)	Yes	Yes	Yes	Ancho Canyon North	
39-004(b)	74.5	Firing site - active	Yes	Yes	Yes	Ancho Canyon	
39-004(c)	74.5	Firing site - active (Open Detonation) - RCRA Unit	Yes	Yes	Yes	Ancho Canyon North	
39-004(d)	74.0	Firing site - active(Open Detonation) - RCRA Unit	Yes	Yes	Yes	Ancho Canyon North	
39-004(e)	78.5	Firing site - active	Yes	Yes	Yes	Ancho Canyon North	
40-003(a)	46.3	Scrap Burn Site - Completed RCRA Closure	No	No	Yes	Pajarito Canyon	
40-003(b)	46.3	Burning area/open detonation (closure)	No	No	No	Pajarito Canyon	
40-006(a)	56.2	Firing site (active)	Yes	Yes	Yes	Pajarito Canyon	
40-006(b)	62.0	Firing site (active)	Yes	Yes	Yes	Pajarito Canyon	
40-006(c)	62.0	Firing site (active)	Yes	Yes	Yes	Pajarito Canyon	
40-009	54.5	Landfill	Yes	Yes	Yes	Pajarito Canyon	
40-010	40.2	Surface disposal site	Yes	Yes	Yes	Pajarito Canyon	
42-001(a)	65.8	incinerator (former location)	Yes	Yes	Yes	Mortandad Canyon	
42-001(b)	65.8	ash storage tank (former location	Yes	Yes	Yes	Mortandad Canyon	
42-001(c)	65.8	ash storage tank (former location	Yes	Yes	Yes	Mortandad Canyon	
42-002(a)	65.8	Decontam. facility (former location)	Yes	Yes	No	Mortandad Canyon	
42-002(b)	65.8	Decontam. facilitydriveway (former location)	Yes	Yes	Yes	Mortandad Canyon	
42-004	93.5	Canyon disposal	Yes	Yes	No	Mortandad Canyon	
45-001	50.3	Waste water treatment facility	No	No	Yes	Pueblo Canyon	
45-004	50.2	Sanitary Sewer Outfall	Yes	No	Yes	Acid Canyon	
46-002	52.8	Surface impoundment	Yes	Yes	Yes	SWSC Canyon	
46-003(a)	44.7	Septic system	No	No	Yes	Canada Del Buey	
46-003(b)	55.5	Septic system	No	No	Yes	Canada Del Buey	
46-003(e)	50.8	Septic system	No	No	Yes	Canada Del Buey	
46-004(a)	49.0	Waste line	Yes	No	Yes	Canada del Buey	
46-004(a2)	49.0	Outfall	Yes	Yes	Yes	Canada del Buey	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
46-004(c2)	49.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(d2)	56.0	Stack emissions	Yes	Yes	Yes	Canada del Buey	
46-004(g)	56.0	Outfall/Stack Emissions	Yes	Yes	Yes	Canada Del Buey	
46-004(h)	56.0	Outfall/Stack Emissions	Yes	Yes	Yes	Canada Del Buey	
46-004(i)	49.0	Outfall	Yes	No	No	Canada del Buey	
46-004(j)	49.0	Outfall	Yes	No	No	Canada del Buey	
46-004(m)	49.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(o)	49.0	Outfall	Yes	No	No	Canada del Buey	
46-004(q)	45.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(s)	49.0	Outfall/	Yes	Yes	Yes	Canada del Buey	
46-004(t)	68.3	Outfall	Yes	Yes	Yes	SWSC Canyon	
46-004(u)	45.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(v)	45.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(x)	49.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(y)	49.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-004(z)	49.0	Outfall	Yes	Yes	Yes	Canada del Buey	
46-005	52.8	Surface impoundment	Yes	No	Yes	SWSC Canyon	
46-006(d)	49.0	Operational release	Yes	Yes	Yes	Canada del Buey	
46-008(g)	68.3	Storage area	Yes	Yes	Yes	SWSC Canyon	
46-009(a)	57.0	Surface disposal	Yes	Yes	Yes	SWSC Canyon	
46-009(b)	70.0	Surface disposal	Yes	Yes	Yes	SWSC Canyon	
48-003	40.7	Septic system	Yes	Yes	Yes	Mortandad Canyon	
48-007(a)	55.8	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
48-007(b)	49.3	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
48-007(c)	69.5	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
48-007(d)	55.8	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
48-007(f)	76.5	Drains and outfalls	Yes	Yes	Yes	Mortandad Canyon	
48-010	80.3	Surface Impoundment	Yes	Yes	Yes	Mortandad Canyon	
49-001(a)	54.8	Material disposal area (MDA AB) (experimental shafts)	No	No	Yes	Water Canyon	
49-001(g)	59.2	Material disposal area (MDA AB) (miscellaneous)	Yes	Yes	Yes	Water Canyon	
49-005(a)	73.5	Landfill (east of Area 10)	No	No	Yes	Water Canyon	
50-006(a)	77.8	Operational release	Yes	Yes	Yes	Ten Site Canyon	
50-006(d)	89.0	Effluent discharge	Yes	No	Yes	Mortandad Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
50-009	54.8	Material disposal area (MDA C)	Yes	Yes	Yes	Ten Site Canyon	
53-002(a)	47.8	Disposal lagoon inactive (NE, NW impoundments)	Yes	Yes	Yes	Los Alamos Canyon	
53-008	61.8	Storage area, Boneyard	Yes	No	No	Los Alamos Canyon	
53-012(a)	62.0	Outfall	Yes	No	No	Los Alamos Canyon	
53-012(b)	55.0	Outfall	Yes	No	No	Los Alamos Canyon	
53-012(c)	62.0	Outfall	Yes	No	No	Los Alamos Canyon	
53-012(d)	49.3	Outfall	Yes	No	No	Sandia Canyon	
53-014	80.5	Soil Contamination-Lead storage site II	Yes	Yes	No	Sandia Canyon	
54-004	45.6	Material disposal area (MDA H) (except sh. 9)	Yes	No	Yes	Pajarito Canyon	
54-007(c)	56.0	Septic system	Yes	No	Yes	Canada del Buey	Approved NFA
54-014(d)	66.5	Material disposal area (MDA G) Storage trenches A, B, C, D	No	No	Yes	Pajarito Canyon	
54-017	62.0	Material disposal area (MDA G) Disposal pits 16,22 (active before 11/19/80)	No	No	Yes	Canada del Buey	
54-018	52.6	Material disposal area (MDA G)Disposal pits 27-33,35-37 (active after 11/19/80)	No	No	Yes	Canada del Buey	
54-020	53.7	Material disposal area (MDA G) Disposal shafts (active after 11/19/80)	No	No	Yes	Canada del Buey	
55-011(a)	46.3	Storm drain	Yes	No	No	Mortandad Canyon	
55-011(b)	56.6	Storm drain	Yes	Yes	No	Mortandad Canyon	
55-011(c)	50.3	Storm drain	Yes	Yes	No	Mortandad Canyon	
55-011(e)	56.6	Storm drain	Yes	Yes	No	Mortandad Canyon	
60-007(b)	43.8	Systematic or intent. prod. release	No	No	Yes	Sandia Canyon	
61-007	43.8	Transformer site - systematic leak - PCB only site	No	No	Yes	Sandia Canyon	
72-001	84.3	Firing range	Yes	Yes	No	Sandia Canyon	
73-001(a)	85.5	Landfill	Yes	Yes	Yes	Pueblo Canyon	
73-002	56.0	Incinerator surface disposal	Yes	Yes	Yes	Pueblo Canyon	

TABLE - 2

Summary of SOP 2.01 Part B Scores >40

PRS	Erosion Matrix Score	Site Description	SWAT	BMPs	HSWA	Canyon Name	Comments
73-004(d)	46.7	Septic tank (land fill)	Yes	Yes	Yes	Pueblo Canyon	
73-006	56.0	Airport building outfalls	Yes	Yes	Yes	Pueblo Canyon	
73-007	56.0	septic tank and drainlines	Yes	No	No	DP Canyon	
C-00-041	42.8	Asphalt and tar remnant site	Yes	Yes	No	Rendija Canyon	
C-15-004	43.9	Transformers	Yes	No	No	Potrillo Canyon	
C-15-007	51.5	Non-intentional release	Yes	Yes	No	Canon de Valle	
C-33-001	56.0	Transformer	Yes	Yes	No	Chaquehui Canyon	
C-33-003	59.0	Soil contamination area	Yes	No	No	Chaquehui Canyon	
C-35-004	73.5	Operational release	Yes	Yes	No	Ten Site Canyon	
C-35-005	73.5	Operational release	Yes	Yes	No	Ten Site Canyon	
C-36-001	57.3	Containment vessel	Yes	No	No	Potrillo Canyon	
C-36-003	52.0	Storm drainages	Yes	Yes	Yes	Three Mile Canyon	
C-41-004	52.8	Storm drains	Yes	No	No	Los Alamos Canyon	
C-43-001	45.4	Outfall	Yes	No	No	Los Alamos Canyon	
C-46-001	68.3	One-time spill	Yes	No	No	SWSC Canyon	
C-73-005(a)	47.2	excavation (unlined septic tank/outhouse trench)	Yes	No	No	DP Canyon	
C-73-005(b)	47.2	excavation (unlined septic tank/outhouse trench)	Yes	No	No	DP Canyon	

317 Total

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Appendix 2.
MSGP and LANL Notice of Intent

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Federal Register

Monday,
October 30, 2000

Part II

Environmental Protection Agency

Final Reissuance of National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit for Industrial Activities; Notice

ENVIRONMENTAL PROTECTION AGENCY

[FRL–6880–5]

Final Reissuance of National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit for Industrial Activities

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice of Final NPDES general permit.

SUMMARY: The Regional Administrators of EPA Regions 1, 2, 3, 4, 6, 8, 9 and 10 are today reissuing EPA's NPDES Storm Water Multi-Sector General Permit (MSGP). This general permit was first issued on September 29, 1995 (60 FR 50804), and amended on February 9, 1996 (61 FR 5248), February 20, 1996 (61 FR 6412), September 24, 1996 (61 FR 50020), August 7, 1998 (63 FR 42534) and September 30, 1998 (63 FR 52430). The reissuance of the MSGP was proposed by EPA on March 30, 2000 (65 FR 17010). Today's final MSGP will authorize the discharge of storm water from industrial facilities consistent with the terms of the permit.

DATES: This MSGP shall be effective on October 30, 2000. This effective date is necessary to provide dischargers with the immediate opportunity to comply with Clean Water Act requirements in light of the expiration of the existing MSGP on October 1, 2000. Deadlines for submittal of notices of intent are provided in Section VI.A.2 of this fact sheet and Part 2.1 of the MSGP. Today's MSGP also provides additional dates for compliance with the terms of the permit.

ADDRESSES: The index to the administrative record for the final MSGP is available at the appropriate Regional Office or from the EPA Water Docket Office in Washington, DC. The administrative record, including documents immediately referenced in this reissuance notice and applicable documents used to support the original issuance of the MSGP in 1995, are stored at the EPA Water Docket Office at the following address: Water Docket, MC–4101, U.S. EPA, 401 M Street SW, room EB57, Washington, DC 20460. The records are available for inspection from 9 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. For appointments to examine any portion of the administrative record, please call the Water Docket Office at (202) 260–3027. A reasonable fee may be charged for copying. Specific record information can also be made available at the appropriate Regional Office upon request.

FOR FURTHER INFORMATION CONTACT: For further information on the final MSGP, contact the appropriate EPA Regional Office. The name, address and phone number of the EPA Regional Storm Water Coordinators are provided in Section VI.F of this fact sheet. Information is also available through the Internet on EPA's Office of Wastewater Management website at http://www.epa.gov/owm/sw.

SUPPLEMENTARY INFORMATION: The following fact sheet provides background information and explanation for today's notice of final MSGP reissuance, including a summary Response to Comments regarding the comments which were received on the proposed MSGP. The actual language of the final MSGP appears after this fact sheet.

Fact Sheet

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I. Background

The Regional Administrators of EPA Regions 1, 2, 3, 4, 6, 8, 9 and 10 are today reissuing EPA's NPDES Storm Water Multi-Sector General Permit (MSGP). The MSGP currently authorizes storm water discharges associated with industrial activity for most areas of the United States where the NPDES permit program has not been delegated. The MSGP was originally issued on September 29, 1995 (60 FR 50804), and amended on February 9, 1996 (61 FR 5248), February 20, 1996 (61 FR 6412), September 24, 1996 (61 FR 50020), August 7, 1998 (63 FR 42534) and September 30, 1998 (63 FR 52430). The proposed reissuance of the MSGP appeared in the **Federal Register** on March 30, 2000 (65 FR 17010).

The 1995 MSGP was the culmination of the group permit application process described at 40 CFR 122.26(c)(2). A group permit application was one of three options for obtaining an NPDES industrial storm water permit which

were provided by the 1990 storm water permit application regulations (55 FR 48063). The 1990 regulations also provided that industrial facilities could apply for coverage under an existing general NPDES permit or apply for an individual permit. In 1992, EPA issued a baseline general permit (57 FR 41175 and 57 FR 44412) to cover industrial facilities which did not select the group application option or submit an application for an individual permit.

In response to the group application option, EPA received applications from approximately 1,200 groups representing nearly all of the categories of industrial facilities listed in the storm water regulations at 40 CFR 122.26(b)(14). To facilitate permit issuance for the group applications, EPA consolidated the groups into 29 industrial sectors, with subsectors also included in certain sectors as appropriate.

In developing the requirements for the 1995 MSGP, EPA utilized and built upon the storm water pollution control requirements of the 1992 baseline general permit. The baseline permit had required a storm water pollution prevention plan (SWPPP) with generic best management practice (BMP) requirements which applied to all facilities covered by the permit. In addition, certain categories of facilities were required to monitor storm water discharges based on EPA's best professional judgment concerning the risks posed by the facilities.

The group permit applications included information concerning the specific types of operations which are present at the different types of industrial facilities, potential sources of pollutants at the facilities, industry-specific BMPs which are available, and monitoring data from the different types of facilities. Using this information, EPA developed SWPPP requirements for the MSGP which consisted of the generic requirements of the baseline permit plus industry-specific requirements developed from the group application information. Also, the monitoring requirements of the 1995 MSGP were developed using the monitoring data submitted with the group applications rather than EPA's best professional judgment.

On September 30, 1998 (63 FR 52430), EPA terminated the baseline general permit and required facilities which were previously covered by the baseline permit to seek coverage under the MSGP (or submit an individual permit application). EPA believed that the MSGP, with its industry-specific requirements, would provide improved water quality benefits as compared to the baseline permit.

For today's reissuance of the MSGP, EPA has re-evaluated the industry-specific requirements of the MSGP. In a few instances, additional requirements have been included based on new information which has been obtained since the original MSGP issuance in 1995. These changes are discussed in more detail in Section VIII of this fact sheet, and in the Response to Comments. EPA also re-evaluated the monitoring requirements of the existing MSGP. However, after review of the comments received from the public, and the monitoring data received during the term of the 1995 MSGP, EPA has retained the same monitoring requirements for the reissued MSGP as were found in the 1995 MSGP.

A. Pollutants in Storm Water Discharges Associated With Industrial Activities in General

The volume and quality of storm water discharges associated with industrial activity will depend on a number of factors, including the industrial activities occurring at the facility, the nature of the precipitation, and the degree of surface imperviousness. A discussion of these factors was provided in the fact sheet for the original proposed MSGP (58 FR 61146 Nov. 19, 1993), and is not being repeated here.

B. Summary of Options for Controlling Pollutants

Pollutants in storm water discharges from industrial plants may be reduced using the following methods: Eliminating pollution sources, implementing BMPs to prevent pollution, using traditional storm water management practices, and providing end-of-pipe treatment. A general discussion of each of these was included in the original proposed MSGP (58 FR 61146, Nov. 19, 1993), and is not being repeated here.

C. The Federal/Municipal Partnership: The Role of Municipal Operators of Large and Medium Municipal Separate Storm Sewer Systems

A key issue in developing a workable regulatory program for controlling pollutants in storm water discharges associated with industrial activity is the proper use and coordination of limited regulatory resources. This is especially important when addressing the appropriate role of municipal operators of large and medium municipal separate storm sewer systems in the control of pollutants in storm water associated with industrial activity which discharge through municipal separate storm sewer systems. The original proposed MSGP discussed several key policy factors (see 58 FR 61146).

II. Organization of Final MSGP and Summary of Changes From the 1995 MSGP and the March 30, 2000 Proposed MSGP

The organization of today's final MSGP has been revised from the 1995 MSGP to reduce the overall size of the permit. In Part XI of the 1995 MSGP, many requirements such as SWPPP and monitoring requirements which were common to each sector were repeated in each sector, greatly adding to length of the permit. For today's reissuance, such requirements are found only once in expanded sections of the permit (Parts 4 and 5) which include requirements common to each sector. Requirements which are genuinely unique to a given sector or subsector are found in Part 6 in the permit. Similarly, Section VIII of the fact sheet for the 1995 MSGP repeated certain explanatory information in the discussions of sector-specific requirements, and also included considerable descriptive information about the various sectors. To reduce the length of today's notice, most of this information is not being repeated. Section VIII of today's fact sheet focuses on the changes (if any) in the various sectors. The reorganization and reduction of duplication have reduced the size of the permit by approximately 75%.

Also note that the section/paragraph identification scheme of today's final MSGP has been modified from the 1995 MSGP. The original scheme utilized a sometimes lengthy combination of numbers, letters and Roman numerals (in both upper and lower cases) which many permittees found confusing. Today's reissuance identifies sections/paragraphs, and hence permit conditions, using numbers only, except in Part 6 (which also incorporates the sector letters from the 1995 MSGP for consistency). Under the original permit, only the last digit or letter of the section/paragraph identifier appeared with its accompanying section title/paragraph, making it difficult to determine where you were in the permit. In today's reissuance, the entire string of identifying numbers is listed at each section/paragraph to facilitate recognizing where you are and in citing and navigating through the permit. For example, paragraph number 1.2.3.5 tells you immediately that you are in Part 1, section 2, paragraph 3, subparagraph 5; whereas under the 1995 MSGP you would only see an ''e'', thereby forcing you to hunt back through the permit to

determine that you were in Part I.B.3.e. The exception to the numbering rule is in Part 6, where the Sector letters from the 1995 MSGP have been retained to correspond to the sectors of industry covered by the permit and make it easy to tell that you are in a section of the permit which has conditions which only apply to a specific industrial sector. For example, paragraph 6.F.3.4 immediately tells you that you are in Part 6 and looking at conditions that only apply to sector ''F'' facilities. In some cases, requirements which previously appeared in a single paragraph are now found listed out as separate individual items. The final MSGP is also written in EPA's ''readable regulations'' style using terms like ''you'' and ''your'' in referring to permittees, etc.

Following below is a list of the major changes included in the proposed MSGP of March 30, 2000 (as compared to the 1995 MSGP) and retained in today's final MSGP. These changes are discussed in more detail later in this fact sheet.

1. Requirements for co-located activities clarified (Part 1.2.1.1).

2. Incidental cooling tower mist discharges included as an authorized non-storm water discharge, subject to certain requirements (Parts 1.2.2.2.13 and 4.4.2.3).

3. Eligibility provided for coverage of inactive mining activities occurring on Federal Lands where an operator has not been identified (Part 1.2.3).

4. Clarified language for situations where a discharge previously covered by an individual permit can be covered under today's MSGP (Part 1.2.3.3).

5. Clarified/added language for compliance with water quality standards and requirements for follow-up actions if standards are exceeded (Parts 1.2.3.5 and 3.3).

6. ESA and NHPA eligibility requirements modified (Parts 1.2.3.6 and 1.2.3.7).

7. Eligibility requirements for discharges to water quality impaired/limited waterbodies added/clarified (Part 1.2.3.8).

8. Clarified that discharges which do not comply with anti-degradation requirements are not authorized by the permit (Part 1.2.3.9).

9. Deadline of 30 days for submission of an NOT added (Part 1.4.2).

10. Opportunity for termination of permit coverage based on the ''no exposure exemption'' from the Phase II storm water regulations (64 FR 68722, 12/8/99) added (Parts 1.5 and 11.4).

11. Notice of Intent requirements and modified form (Part 2.2 and Addendum D).

12. Permit will accommodate electronic filing of NOIs, NOTs, or DMRs, should these options become available during the term of the permit (Parts 2.3 and 7.1)

13. Prohibition on discharges of solid materials and floating debris and requirement to minimize off-site tracking of materials and generation of dust added (Part 4.2.7.2.3).

14. Requirement to include a copy of the permit with the storm water pollution prevention plan (SWPPP) was added (Part 4.7).

15. Special conditions for EPCRA 313 facilities were modified (Part 4.12).

16. Monitoring requirements reorganized and additional clarification/revisions on monitoring periods, waivers, default minimum monitoring for limitations added by State 401 certification, and reporting requirements added (Part 5).

17. Manufacturing of fertilizer from leather scraps (SIC 2873) moved from Sector Z—Leather Tanning and Finishing to Sector C—Chemical and Allied Products (Table 1–1 and Part 6.C).

18. New effluent limitations guidelines for landfills in Sectors K and L included; the final guidelines were published in the **Federal Register** on January 19, 2000 (65 FR 3007) (Parts 6.K.5 and 6.L.6).

19. Sector AD (Non-Classified Facilities) language clarified to say that facilities cannot choose coverage under Sector AD, but can only be so assigned by permitting authority (Part 6.AD).

20. Additional BMP requirements in Sectors S, T, and Y added (Parts 6.S, 6.T, and 6.Y).

21. NOI to continue coverage under the permit when it expires (without a replacement permit in place) is not required and the reapplication process has been clarified (Part 9.2).

22. Process for EPA to remove facilities from permit coverage clarified (Part 9.12).

Following below is another list which summarizes the provisions of today's final MSGP which differ from the proposed MSGP of March 30, 2000.

1. Reference to ''drinking fountain water'' removed from Part 1.2.2.2.3.

2. Part 1.2.3.3.2.1 of the proposed MSGP was deleted. This requirement had not allowed MSGP coverage for facilities previously covered by another permit, unless the other permit only covered storm water and MSGP authorized non-storm water discharges.

3. Part 2.2.3.6 revised to indicate that the NOI must include the name of the MS4 receiving the discharges only if it is different from the permittee.

4. Part 4.9.3 revised to clarify the time frame for implementation of revised SWPPP.

5. Part 4.11 revised to require permittees to provide a copy of their SWPPP to the public when requested in writing to do so.

6. Sector E coverage was modified for consistency with the September 30, 1998 MSGP modification.

7. In Sector G, language was added stating that non-storm water discharges must be tested or evaluated; this change ensures consistency with the 1995 MSGP. Also in Sector G, the definition of ''reclamation'' was revised.

8. The title for Sector I was changed to include ''Refining.''

9. Sector T revised for consistency with 40 CFR 122.26(b)(14)(ix) concerning size of POTWs covered.

10. Section V.C. deleted the requirement to consider species proposed for listing as endangered or threatened.

III. Geographic Coverage of Final MSGP

The geographic coverage of today's final MSGP includes the following areas:

EPA Region 1—for the States of Maine, Massachusetts and New Hampshire; for Indian Country lands located in Massachusetts, Connecticut, Rhode Island and Maine; and for Federal facilities in the State of Vermont.

EPA Region 2—for the Commonwealth of Puerto Rico.

EPA Region 3—for the District of Columbia and Federal facilities in the State of Delaware.

EPA Region 4—for Indian Country lands located in the State of Florida.

EPA Region 6—for the State of New Mexico; for Indian Country lands located in the States of Louisiana, New Mexico, Texas and Oklahoma (except Navajo lands and Ute Mountain Reservation lands); for oil and gas facilities under SIC codes 1311, 1381, 1382, and 1389 in the State of Oklahoma not on Indian Country lands; and oil and gas facilities under SIC codes 1311, 1321, 1381, 1382, and 1389 in the State of Texas not on Indian Country lands.

EPA Region 8—for Federal facilities in the State of Colorado; for Indian Country lands in Colorado, North Dakota, South Dakota, Wyoming and Utah (except Goshute and Navajo Reservation lands); for Ute Mountain Reservation lands in Colorado and New Mexico; and for Pine Ridge Reservation lands in South Dakota and Nebraska.

EPA Region 9—for the State of Arizona; for the Territories of Johnston Atoll, American Samoa, Guam, the

Commonwealth of Northern Mariana Islands, Midway and Wake Islands; for Indian Country lands located in Arizona, California, and Nevada; and for the Goshute Reservation in Utah and Nevada, the Navajo Reservation in Utah, New Mexico, and Arizona, the Duck Valley Reservation in Nevada and Idaho, and the Fort McDermitt Reservation in Oregon and Nevada.

EPA Region 10—for the State of Idaho; for Indian Country lands located in Alaska, Oregon (except Fort McDermitt Reservation lands), Idaho (except Duck Valley Reservation lands) and Washington; and for Federal facilities in Washington.

For several reasons, the geographic area of coverage described above differs from the area of coverage of the 1995 MSGP. Indian country in Vermont and New Hampshire has been removed since there are no Federally recognized tribes in these States. Also, state NPDES permit programs have since been authorized in the States of South Dakota, Louisiana, Oklahoma (except for certain oil and gas facilities in Oklahoma) and Texas (again except for oil and gas facilities). In Oklahoma, EPA maintains NPDES permitting authority over oil and gas exploration and production related industries, and pipeline operations regulated by the Oklahoma Corporation Commission (See 61 FR 65049). Oklahoma received NPDES program authorization only for those discharges covered by the authority of the Oklahoma Department of Environmental Quality (ODEQ). In Texas, EPA maintains NPDES permitting authority over oil and gas discharges regulated by the Texas Railroad Commission (See 63 FR 51164). Texas received NPDES program authorization only for those discharges covered by the authority of the Texas Natural Resource Conservation Commission (TNRCC).

Specific additional conditions required in Region 6 as a result of a State or Tribal CWA Section 401 certification have been added for New Mexico, Oklahoma, and the Pueblos of Isleta, Pojoaque, San Juan, and Sandia. Numeric limitations for discharges in Texas contained in the previous permit pursuant to 31 TAC 319.22 and 319.23 have been continued in accordance with 40 CFR 122.44(d) and (l).

Federal facilities in Colorado, and Indian country located in Colorado (including the portion of the Ute Mountain Reservation located in New Mexico), North Dakota, South Dakota (including the portion of the Pine Ridge Reservation located in Nebraska), Utah (except for the Goshute and Navajo Reservation lands) and Wyoming were not included in the 1995 MSGP, but are included in today's MSGP. Indian country lands in Montana are not included at this time due to a recent court order. Prior to today, industrial facilities in these areas were largely covered under an extension of EPA's 1992 baseline general permit for industries (57 FR 41175).

Also, subsequent to the issuance of the MSGP in 1995, coverage was extended to the Island of Guam on September 24, 1996 (61 FR 50020) and the Commonwealth of the Northern Mariana Islands on September 30, 1998 (63 FR 52430). Certification was not received from Arizona in time for that state to be included in this permit.

The 1995 MSGP was issued in the State of Alaska, except Indian Country, on February 9, 1996 (61 FR 5247). Industrial facilities in Alaska outside of Indian Country will continue to be covered under the 1995 MSGP through February 9, 2001. EPA will reissue the permit for Alaska at a later date, and will include any state-specific modifications or additions or additions applicable to parts 1 through 12 of this permit as part of the State's Clean Water Act Section 401 or Coastal Zone Management Act certification processes.

Lastly, today's MSGP reissuance differs from the March 30, 2000 MSGP proposal in that the State of Florida (except for Indian country) is not included. This is a result of the recent NPDES program delegation to the State of Florida.

There are some areas where the NPDES permit program has not been delegated (such as Indian country in states not listed above) where neither the MSGP nor an alternate general permit is available for authorization of storm water discharges associated with industrial activity. However, only a very small number of permittees exist in such areas and individual permits are issued as needed.

IV. Categories of Facilities Covered by the Final MSGP

Today's final MSGP authorizes storm water discharges associated with industrial activity from the categories of facilities shown in Table 1 below:

TABLE 1.—SECTOR/SUBSECTORS COVERED BY THE FINAL MSGP

Subsector	SIC code	Activity represented
Sector A. Timber Products		
1*	2421	General Sawmills and Planning Mills.
2	2491	Wood Preserving.
3*	2411	Log Storage and Handling.
4*	2426	Hardwood Dimension and Flooring Mills.
	2429	Special Product Sawmills, Not Elsewhere Classified.
	2431–2439 (except 2434)	Millwork, Veneer, Plywood, and Structural Wood.
	2448, 2449	Wood Containers.
	2451, 2452	Wood Buildings and Mobile Homes.
	2493	Reconstituted Wood Products.
	2499	Wood Products, Not Elsewhere Classified.
Sector B. Paper and Allied Products Manufacturing		
1	2611	Pulp Mills.
2	2621	Paper Mills.
3*	2631	Paperboard Mills.
4	2652–2657	Paperboard Containers and Boxes.
5	2671–2679	Converted Paper and Paperboard Products, Except Containers and Boxes.
Sector C. Chemical and Allied Products Manufacturing		
1*	2812–2819	Industrial Inorganic Chemicals.

TABLE 1.—SECTOR/SUBSECTORS COVERED BY THE FINAL MSGP—Continued

Subsector	SIC code	Activity represented
2*	2821–2824	Plastics Materials and Synthetic Resins, Synthetic Rubber, Cellulosic and Other Man-made Fibers Except Glass.
3	2833–2836	Medicinal chemicals and botanical products; pharmaceutical preparations,; invitro and invivo diagnostic substances; biological products, except diagnostic substances.
4*	2841–2844	Soaps, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations.
5	2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products.
6	2861–2869	Industrial Organic Chemicals.
7*	2873–2879	Agricultural Chemicals, Including Facilities that Make Fertilizer Solely from Leather Scraps and Leather Dust.
8	2891–2899	Miscellaneous Chemical Products.
9	3952 (limited to list)	Inks and Paints, Including China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting, Artist's Paints and Artist's Watercolors.
Sector D. Asphalt Paving and Roofing Materials Manufacturers and Lubricant Manufacturers.		
1*	2951, 2952	Asphalt Paving and Roofing Materials.
2	2992, 2999	Miscellaneous Products of Petroleum and Coal.
Sector E. Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing		
1	3211	Flat Glass.
	3221, 3229	Glass and Glassware, Pressed or Blown.
	3231	Glass Products Made of Purchased Glass.
	3281	Cut Stone and Stone Products.
	3291–3292	Abrasive and Asbestos Products.
	3296	Mineral Wool.
	3299	Nonmetallic Mineral Products, Not Elsewhere Classified.
2	3241	Hydraulic Cement.
3*	3251–3259	Structural Clay Products.
	3261–3269	Pottery and Related Products.
	3297	Non-Clay Refractories.
4*	3271–3275	Concrete, Gypsum and Plaster Products.
	3295	Minerals and Earth's, Ground, or Otherwise Treated.
Sector F. Primary Metals		
1*	3312–3317	Steel Works, Blast Furnaces, and Rolling and Finishing Mills.
2*	3321–3325	Iron and Steel Foundries.
3	3331–3339	Primary Smelting and Refining of Nonferrous Metals.
4	3341	Secondary Smelting and Refining of Nonferrous Metals.
5*	3351–3357	Rolling, Drawing, and Extruding of Nonferrous Metals.
6*	3363–3369	Nonferrous Foundries (Castings).
7	3398, 3399	Miscellaneous Primary Metal Products.
Sector G. Metal Mining (Ore Mining and Dressing)		
1	1011	Iron Ores.
2*	1021	Copper Ores.
3	1031	Lead and Zinc Ores.
4	1041, 1044	Gold and Silver Ores.
5	1061	Ferroalloy Ores, Except Vanadium.
6	1081	Metal Mining Services.
7	1094, 1099	Miscellaneous Metal Ores.
Sector H. Coal Mines and Coal Mining-Related Facilities		
NA*	1221–1241	Coal Mines and Coal Mining-Related Facilities Sector.
Sector I. Oil and Gas Extraction and Refining		
1*	1311	Crude Petroleum and Natural Gas.
2	1321	Natural Gas Liquids.
3*	1381–1389	Oil and Gas Field Services.
4	2911	Petroleum refining.
Sector J. Mineral Mining and Dressing		
1*	1411	Dimension Stone.
	1422–1429	Crushed and Broken Stone, Including Rip Rap.

TABLE 1.—SECTOR/SUBSECTORS COVERED BY THE FINAL MSGP—Continued

Subsector	SIC code	Activity represented
	1481	Nonmetallic Minerals, Except Fuels.
2*	1442, 1446	Sand and Gravel.
3	1455, 1459	Clay, Ceramic, and Refractory Materials.
4	1474–1479	Chemical and Fertilizer Mineral Mining.
	1499	Miscellaneous Nonmetallic Minerals, Except Fuels.
Sector K. Hazardous Waste Treatment Storage or Disposal Facilities		
NA*	HZ	Hazardous Waste Treatment, Storage or Disposal.
Sector L. Landfills and Land Application Sites		
NA*	LF	Landfills, Land Application Sites and Open Dumps.
Sector M. Automobile Salvage Yards		
NA*	5015	Automobile Salvage Yards.
Sector N. Scrap Recycling Facilities		
NA*	5093	Scrap Recycling Facilities.
Sector O. Steam Electric Generating Facilities		
NA*	SE	Steam Electric Generating Facilities.
Sector P. Land Transportation		
1	4011, 4013	Railroad Transportation.
2	4111–4173	Local and Highway Passenger Transportation.
3	4212–4231	Motor Freight Transportation and Warehousing.
4	4311	United States Postal Service.
5	5171	Petroleum Bulk Stations and Terminals.
Sector Q. Water Transportation		
NA*	4412–4499	Water Transportation.
Sector R. Ship and Boat Building or Repairing Yards		
NA	3731, 3732	Ship and Boat Building or Repairing Yards.
Sector S. Air Transportation Facilities		
NA*	4512–4581	Air Transportation Facilities.
Sector T. Treatment Works		
NA*	TW	Treatment Works.
Sector U. Food and Kindred Products		
1	2011–2015	Meat Products.
2	2021–2026	Dairy Products.
3	2032	Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties.
4*	2041–2048	Grain Mill Products.
5	2051–2053	Bakery Products.
6	2061–2068	Sugar and Confectionery Products.
7*	2074–2079	Fats and Oils.
8	2082–2087	Beverages.
9	2091–2099	Miscellaneous Food Preparations and Kindred Products.
	2111–2141	Tobacco Products.
Sector V. Textile Mills, Apparel, and Other Fabric Product Manufacturing		
1	2211–2299	Textile Mill Products.
2	2311–2399	Apparel and Other Finished Products Made From Fabrics and Similar Materials.
	3131–3199 (except 3111)	Leather Products.

TABLE 1.—SECTOR/SUBSECTORS COVERED BY THE FINAL MSGP—Continued

Subsector	SIC code	Activity represented
	Sector W. Furniture and Fixtures	
NA	2511–2599	Furniture and Fixtures.
	2434	Wood Kitchen Cabinets.
	Sector X. Printing and Publishing	
NA	2711–2796	Printing, Publishing and Allied Industries.
	Sector Y. Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
1*	3011	Tires and Inner Tubes.
	3021	Rubber and Plastics Footwear.
	3052, 3053	Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting.
	3061, 3069	Fabricated Rubber Products, Not Elsewhere Classified.
2	3081–3089	Miscellaneous Plastics Products.
	3931	Musical Instruments.
	3942–3949	Dolls, Toys, Games and Sporting and Athletic Goods.
	3951–3955 (except 3952 as specified in Sector C).	Pens, Pencils, and Other Artists' Materials.
	3961, 3965	Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal.
	3991–3999	Miscellaneous Manufacturing Industries.
	Sector Z. Leather Tanning and Finishing	
NA	3111	Leather Tanning and Finishing.
	Sector AA. Fabricated Metal Products	
1*	3411–3499	Fabricated Metal Products, Except Machinery and Transportation Equipment and Cutting, Engraving and Allied Services.
	3911–3915	Jewelry, Silverware, and Plated Ware.
2*	3479	Coating, Engraving, and Allied Services.
	Sector AB. Transportation Equipment, Industrial or Commercial Machinery	
NA	3511–3599 (except 3571–3579)	Industrial and Commercial Machinery (except Computer and Office Equipment—see Sector AC).
NA	3711–3799 (except 3731, 3732)	Transportation Equipment (except Ship and Boat Building and Repairing—see Sector R).
	Sector AC. Electronic, Electrical, Photographic and Optical Goods	
NA	3612–3699	Electronic, Electrical Equipment and Components, Except Computer Equipment.
	3812–3873	Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods, Watches and Clocks.
	3571–3579	Computer and Office Equipment.
	Sector AD. Reserved for Facilities Not Covered Under Other Sectors and Designated by the Director	

*Denotes subsector with analytical (chemical) monitoring requirements.
NA indicates those industry sectors in which subdivision into subsectors was determined to be not applicable.

The final MSGP modification of September 30, 1998 (63 FR 52430) expanded the coverage of the 1995 MSGP to include a small number of categories of facilities which had been covered by the 1992 baseline industrial general permit but excluded from the MSGP. In Table 1 above, these categories have been included in the appropriate sectors/subsectors of the MSGP as determined by the September 30, 1998 modification.

With the September 30, 1998 modification, EPA believes that the MSGP now covers all of the categories of industrial facilities which may discharge storm water associated with industrial activity as defined at 40 CFR 122.26(b)(14) (except construction activities disturbing five or more acres which are permitted separately). However, the September 30, 1998 modification also added another sector to the MSGP (Sector AD) to cover any inadvertent omissions. EPA has retained Sector AD in today's reissued MSGP.

Sector AD is further intended to provide a readily available means for covering many of the storm water facilities which are designated for permitting in accordance with NPDES regulations at 40 CFR 122.26(g)(1)(i). These regulations provide that permit applications may be required within 180 days of notice for any discharges which contribute to a violation of a water quality standard, or are determined to be significant sources of pollutants.

EPA also recognizes that a new North American Industry Classification System (NAICS) was recently adopted by the Office of Management and Budget (62 FR 17288, April 9, 1997). NAICS replaces the 1987 standard industrial classification (SIC) code

system for the collection of statistical economic data. However, the use of the new system for nonstatistical purposes is optional. EPA considered the use of NAICS for the today's MSGP reissuance, but elected to retain the 1987 SIC code system since the storm water regulations (40 CFR 122.26(b)(14)) reference the previous system and this system has generally proven to be adequate for identifying the facilities covered by storm water regulations. EPA will consider transitioning to the new NAICS system in future rule making.

V. Limitations on Coverage

A. Storm Water Discharges Subject to Effluent Guideline Limitations, Including New Source Performance Standards

The general prohibition on coverage of storm water subject to an effluent guideline limitation in the 1995 MSGP has been retained in today's MSGP reissuance. Only those storm water discharges subject to the following effluent guidelines are eligible for coverage (provided they meet all other eligibility requirements):

TABLE 2.—EFFLUENT GUIDELINES APPLICABLE TO DISCHARGES THAT MAY BE ELIGIBLE FOR PERMIT COVERAGE

Effluent guideline	New Source performance standards included in effluent guidelines?	Sectors with affected facilities
Runoff from material storage piles at cement manufacturing facilities [40 CFR Part 411 Subpart C (established February 23, 1977)].	Yes	E
Contaminated runoff from phosphate fertilizer manufacturing facilities [40 CFR Part 418 Subpart A (established April 8, 1974)].	Yes	C
Coal pile runoff at steam electric generating facilities [40 CFR Part 423 (established November 19, 1982)]	Yes	O
Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas [40 CFR Part 429, Subpart I (established January 26, 1981)].	Yes	A
Mine dewatering discharges at crushed stone mines [40 CFR part 436, Subpart B]	No	J
Mine dewatering discharges at construction sand and gravel mines [40 CFR part 436, Subpart C]	No	J
Mine dewatering discharges at industrial sand mines [40 CFR part 436, Subpart D]	No	J
Runoff from asphalt emulsion facilities [40 CFR Part 443 Subpart A (established July 24, 1975)].	Yes	D
Runoff from landfills, [40 CFR Part 445, Subpart A and B (established February 2, 2000.]	Yes	K & L

Section 306 of the Clean Water Act (CWA) requires EPA to develop performance standards for all new sources described in that section. These standards apply to all facilities which go into operation after the date the standards are promulgated. Section 511(c) of the CWA requires the Agency to comply with the National Environmental Policy Act (NEPA) prior to issuance of a permit under the authority of Section 402 of the CWA to facilities defined as a new source under Section 306.

The fact sheet for the 1995 MSGP described a process for ensuring compliance with NEPA for the MSGP (60 FR 50809). This process, which is repeated below, has been retained for the reissued MSGP. Additional guidance is found in a new Addendum C to the final MSGP.

Facilities which are subject to the performance standards for new sources as described in this section of the fact sheet must provide EPA with an Environmental Information Document pursuant to 40 CFR 6.101 prior to seeking coverage under this permit. This information shall be used by the Agency to evaluate the facility under the requirements of NEPA in an Environmental Review. The Agency will make a final decision regarding the direct or indirect impact of the discharge. The Agency will follow all administrative procedures required in this process. The permittee must obtain a copy of the Agency's final finding prior to the submission of a Notice of Intent to be covered by this general permit. In order to maintain eligibility, the permittee must implement any mitigation required of the facility as a result of the NEPA review process. Failure to implement mitigation measures upon which the Agency's NEPA finding is based is grounds for termination of permit coverage. In this way, EPA has established a procedure which allows for the appropriate review procedures to be completed by this Agency prior to the issuance of a permit under Section 402 of the CWA to an operator of a facility subject to the new source performance standards of Section 306 of the CWA. EPA believes that it has fulfilled its requirements under NEPA for this Federal action under Section 402 of the CWA.

B. Historic Preservation

The National Historic Preservation Act (NHPA) requires Federal agencies to take into account the effects of Federal undertakings, including undertakings on historic properties that are either listed on, or eligible for listing on, the National Register of Historic Places. The term ''Federal undertaking'' is defined in the existing NHPA regulations to include any project, activity, or program under the direct or indirect jurisdiction of a Federal agency that can result in changes in the character or use of historic properties, if any such historic properties are located in the area of potential effects for that project, activity, or program. See 36 CFR 802(o). Historic properties are defined in the NHPA regulations to include prehistoric or historic districts, sites, buildings, structures, or objects that are included in, or are eligible for inclusion in, the National Register of Historic Places. See 36 CFR 802(e).

Federal undertakings include EPA's issuance of general NPDES permits. In light of NHPA requirements, EPA included a provision in the eligibility requirements of the 1995 MSGP for the consideration of the effects to historic properties. That provision provided that an applicant is eligible for permit coverage only if: (1) the applicant's storm water discharges and BMPs to control storm water runoff do not affect a historic property, or (2) the applicant has obtained, and is in compliance with, a written agreement between the applicant and the State Historic Preservation Officer (SHPO) that outlines all measures to be taken by the applicant to mitigate or prevent adverse effects to the historic property. See Part I.B.6, 60 FR 51112 (September 29, 1995). When applying for permit coverage, applicants were required to certify in

the NOI that they are in compliance with the Part I.B.6 eligibility requirements. Provided there are no other factors limiting permit eligibility, MSGP coverage was then granted 48 hours after the postmark on the envelope used to mail the NOI.

The September 30, 1998 modification included two revisions of the original MSGP with respect to historic properties. First, EPA amended the original Part I.B.6.(ii) to include a reference to Tribal Historic Preservation Officers (THPOs) because MSGP coverage extends to Tribal lands and in recognition of the central role Tribal governments play in the protection of historic resources. Second, EPA included NHPA guidance and a list of SHPO and THPO addresses in a new Addendum I to the MSGP to assist applicants with the certification process for permit eligibility under this condition.

For today's MSGP reissuance, EPA has modified slightly the requirements of the first option for obtaining permit coverage to enhance the protection of historic properties. Permit coverage is only available if storm water and allowable non-storm water discharges and ''discharge-related activities'' do not affect historic properties. ''Discharge-related activities'' are defined to include activities which cause, contribute to, or result in storm water and allowable non-storm water point source discharges, and measures such as the siting, construction and operation of BMPs to control, reduce or prevent pollution in the discharges. Discharge-related activities are included to ensure compliance with NHPA requirements to consider the effects of activities which are related to the activity which is permitted, *i.e.*, the storm water and non-storm water discharges. Because this change was minor, EPA is relying on its 1995 and 1998 consultations with the Advisory Council on Historic Preservation as its basis for reissuance of this permit.

Also, as discussed in Section VI.A.1 below, EPA intends to modify, contingent upon Office of Management and Budget review and approval, the Notice of Intent form to require that operators identify which of the above two options they are using to ensure eligibility for permit coverage under the MSGP. The NHPA guidance has also been modified to reflect the above pending changes, and appears in Addendum B in today's notice rather than Addendum I. Until the revised form is approved and issued, the current form (with minor clarifications) remains in effect.

Facilities seeking coverage under today's MSGP which cannot certify compliance with the NHPA requirements must submit individual permit applications to the permitting authority. For facilities already covered by the existing MSGP, the deadline for the individual applications is the same as that for NOIs requesting coverage under the reissued MSGP (December 29, 2000).

C. Endangered Species

The Endangered Species Act (ESA) of 1973 requires Federal Agencies such as EPA to ensure, in consultation with the U.S. Fish and Wildlife Service (FWS) and the National Marine Fisheries Service (NMFS) (also known collectively as the ''Services''), that any actions authorized, funded, or carried out by the Agency (*e.g.*, EPA issued NPDES permits authorizing discharges to waters of the United States) are not likely to jeopardize the continued existence of any Federally-listed endangered or threatened species or adversely modify or destroy critical habitat of such species (see 16 U.S.C. 1536(a)(2), 50 CFR 402 and 40 CFR 122.49(c)).

For the 1995 MSGP, EPA conducted formal consultation with the Services which resulted in a joint Service biological opinion issued by the FWS on March 31, 1995, and by the NMFS on April 5, 1995, which concluded that the issuance and operation of the MSGP was not likely to jeopardize the existence of any listed endangered or threatened species, or result in the adverse modification or destruction of any critical habitat.

The 1995 MSGP contained a number of conditions to protect listed species and critical habitat. Permit coverage was provided only where:

- The storm water discharge(s), and the construction of BMPs to control storm water runoff, were not likely to jeopardize species identified in Addendum H of the permit; or
- The applicant's activity had received previous authorization under the Endangered Species Act and established an environmental baseline that was unchanged; or,
- The applicant was implementing appropriate measures as required by the Director to address jeopardy.

For today's MSGP reissuance, EPA has modified the ESA-related requirements for obtaining permit coverage to enhance the protection of listed species. First, permit coverage is only available if storm water and allowable non-storm water discharges and ''discharge-related activities'' result in no jeopardy to listed species. ''Discharge-related activities'' are defined to include activities which cause, contribute to or result in storm water and allowable non-storm water point source discharges, and measures such as the siting, construction and operation of BMPs to control, reduce or prevent pollution in the discharges. Discharge-related activities are included for compliance with ESA requirements to consider the effects of activities which are related to the activity which is permitted, *i.e.*, the storm water and non-storm water discharges.

In addition, operators seeking coverage under the reissued MSGP must certify that they are eligible for coverage under one of the following five options which are provided in Parts 1.2.3.6.3.1 through 5 of the permit:

1. No endangered or threatened species or critical habitat are in proximity to the facility or the point where authorized discharges reach the receiving water; or

2. In the course of a separate federal action involving the facility (*e.g.*, EPA processing request for an individual NPDES permit, issuance of a CWA Section 404 wetlands dredge and fill permit, etc.), formal or informal consultation with the Fish and Wildlife Service and/or the National Marine Fisheries Service under Section 7 of the ESA has been concluded and that consultation:

(a) addressed the effects of the storm water and allowable non-storm water discharges and discharge-related activities on listed species and critical habitat and

(b) the consultation resulted in either a no jeopardy opinion or a written concurrence by the Service(s) on a finding that the storm water and allowable non-storm water discharges and discharge-related activities are not likely to jeopardize listed species or critical habitat; or

3. The activities are authorized under Section 10 of the ESA and that authorization addresses the effects of the storm water and allowable non-storm water discharges and discharge-related activities on listed species and critical habitat; or

4. Using due diligence, the operator has evaluated the effects of the storm water discharges, allowable non-storm water discharges, and discharge-related activities on listed endangered or threatened species and critical habitat and does not have reason to believe listed species or critical habitat would be jeopardized; or

5. The storm water and allowable non-storm water discharges and discharge-related activities were already addressed in another operator's

certification of eligibility under Part 1.2.3.6.3.1 through 1.2.3.6.3.4 which included the facility's activities. By certifying eligibility under this Part, a permittee agrees to comply with any measures or controls upon which the other operator's certification was based.

The first four options listed above are similar to the eligibility provisions of the 1995 MSGP. Option 5 was added to account for situations such as an airport facility where one operator (*e.g.*, the airport authority) may have covered the entire airport through its certification. Option 5 allows other operators to take advantage of such a certification without repeating the reviews conducted by the first operator. Option 1 applies to operators who are not jeopardizing endangered species because listed species simply are not in proximity to their facility. Option 4 applies to operators who have endangered species nearby and must look more closely at potential jeopardy and may need to adopt measures to reduce the risk of jeopardy to listed species or critical habitat. The provision of the two options to determine that a facility is unlikely to jeopardize listed species, coupled with the pending new NOI requirement to indicate whether or not the Service was contacted in making the determination, will also allow for better oversight of the permit. Under the 1995 permit, there was no way to tell from the NOI information whether the decision on eligibility was due to no species in the county, a discussion with the Service, or a simple unilateral decision by the operator.

Addendum H of the 1995 MSGP provided instructions to assist permittees in determining whether they met the permit's ESA-related eligibility requirements. For today's reissued MSGP, this guidance has been updated to reflect the above requirements and appears as Addendum A. As noted in Section VI.A.1 below, EPA intends to modify the Notice of Intent form to conform with new ESA requirements discussed above.

Addendum H of the 1995 MSGP contained a list of proposed and listed endangered and threatened species that could be jeopardized by the discharges and measures to control pollutants in the discharges. EPA reinitiated and completed formal consultation with the Services for the September 30, 1998 modification of the MSGP. As a result of this consultation and in response to public comments on the modification, EPA updated the species list in Addendum H to include species that were listed or proposed for listing since the Addendum H list was originally compiled on March 31, 1995. EPA also decided to expand the list to include all of the terrestrial (*i.e.*, non-aquatic) listed and proposed species in recognition that those species may be impacted by permitted activities such as the construction and operation of the BMPs. The September 30, 1998 MSGP modification included the species list updated as of July 8, 1998 (63 FR 52494). The species list is also being updated on a regular basis and an electronic copy of the list is available at the Office of Wastewater Management website at ''http://www.epa.gov/owm/esalst2.htm''. The information may also be obtained by contacting the Services. The permittee is responsible for obtaining the updated information.

Based on comments received on the proposed MSGP on March 30, 2000 (65 FR 17010), the final permit requires facility operators to consider only listed endangered or threatened species, and not species proposed to be listed. Further explanation for the change can be found in Section IX of this notice.

On August 10, 2000, EPA initiated informal consultation with FWS and NMFS on EPA's finding of no likelihood of adverse effect on threatened and endangered species and critical habitat resulting from issuance of MSGP–2000. On September 22, 2000 FWS concurred with EPA's finding.

To be eligible for coverage under today's reissued MSGP, facilities must review the updated list of species and their locations in conjunction with the Addendum A instructions for completing the application requirements under this permit. If an applicant determines that none of the species identified in the updated species list is found in the county in which the facility is located, then there is a likelihood of no jeopardy and they are eligible for permit coverage. Applicants must then certify that their storm water and allowable non-storm water discharges, and their discharge-related activities, are not likely to jeopardize species and will be granted MSGP permit coverage 48 hours after the date of the postmark on the envelope used to mail the NOI form, provided there are no other factors limiting permit eligibility.

If listed species are located in the same county as the facility seeking MSGP coverage, then the applicant must determine whether the species are in proximity to the storm water or allowable non-storm water discharges or discharge-related activities at the facility. A species is in proximity to a storm water or allowable non-storm water discharge when the species is located in the path or down gradient area through which or over which the point source discharge flows from industrial activities to the point of discharge into the receiving water, and once discharged into the receiving water, in the immediate vicinity of, or nearby, the discharge point. A species is also in proximity if it is located in the area of a site where discharge-related activities occur. If an applicant determines there are no species in proximity to the storm water or allowable non-storm water discharges, or discharge-related activities, then there is no likelihood of jeopardizing the species and the applicant is eligible for permit coverage.

If species are in proximity to the storm water or allowable non-storm water discharges or discharge-related activities, as long as they have been considered as part of a previous ESA authorization of the applicant's activity, and the environmental baseline established in that authorization is unchanged, the applicant may be covered under the permit. The environmental baseline generally includes the past and present impacts of all Federal, state and private actions that were occurring at the time the initial NPDES authorization and current ESA section 7 action by EPA or any other federal agency was taken. Therefore, if a permit applicant has received previous authorization and nothing has changed or been added to the environmental baseline established in the previous authorization, then coverage under this permit will be provided.

In the absence of such previous authorization, if species identified in the updated species list are in proximity to the discharges or discharge-related activities, then the applicant must determine whether there is any likely jeopardy to the species. This is done by the applicant conducting a further examination or investigation, or an alternative procedure, as described in the instructions in Addendum A of the permit. If the applicant determines that there is no likely jeopardy to the species, then the applicant is eligible for permit coverage. If the applicant determines that there likely is, or will likely be any jeopardy, then the applicant is not eligible for MSGP coverage unless or until he or she can meet one of the other eligibility conditions.

All dischargers applying for coverage under the MSGP must provide in the application information on the Notice of Intent form: (1) A determination as to whether there are any listed species in proximity to the storm water or allowable non-storm water discharges or discharge related activity, and (2) (when

EPA receives approval from the Office of Management and Budget and issues the revised form) an indication of which option under Part 1.2.3.6.3 of the MSGP they claim eligibility for permit coverage, and (3) a certification that their storm water and allowable non-storm water discharges and discharge-related activities are not likely to jeopardize listed species, or are otherwise eligible for coverage due to a previous authorization under the ESA. Coverage is contingent upon the applicant's providing truthful information concerning certification and abiding by any conditions imposed by the permit.

Dischargers who cannot determine if they meet one of the endangered species eligibility criteria cannot sign the certification to gain coverage under the MSGP and must apply to EPA for an individual NPDES storm water permit. For facilities already covered by the 1995 MSGP, the deadline for the individual applications is the same as that for NOIs requesting coverage under the reissued MSGP (December 29, 2000). As appropriate, EPA will conduct ESA section 7 consultation when issuing such individual permits.

Regardless of the above conditions, EPA may require that a permittee apply for an individual NPDES permit on the basis of possible jeopardy to species or critical habitats. Where there are concerns that coverage for a particular discharger is not sufficiently protective of listed species, the Services (as well as any other interested parties) may petition EPA to require that the discharger obtain an individual NPDES permit and conduct an individual section 7 consultation as appropriate.

In addition, the Assistant Administrator for Fisheries for the National Oceanic and Atmospheric Administration, or his/her authorized representative, or the U.S. Fish and Wildlife Service (as well as any other interested parties) may petition EPA to require that a permittee obtain an individual NPDES permit. The permittee is also required to make the SWPPP, annual site compliance inspection report, or other information available upon request to the Assistant Administrator for Fisheries for the National Oceanic and Atmospheric Administration, or his/her authorized representative, or the U.S. Fish and Wildlife Service Regional Director, or his/her authorized representative.

These mechanisms allow for the broadest and most efficient coverage for the permittee while still providing for the most efficient protection of endangered species. They significantly reduce the number of dischargers that must be considered individually and therefore allow the Agency and the Services to focus their resources on those discharges that are indeed likely to jeopardize listed species. Straightforward mechanisms such as these allow applicants more immediate access to permit coverage, and eliminates ''permit limbo'' for the greatest number of permitted discharges. At the same time it is more protective of endangered species because it allows both agencies to focus on the real problems, and thus, provide endangered species protection in a more expeditious manner.

D. New Storm Water Discharges to Water Quality-Impaired or Water Quality-Limited Receiving Waters

Today's final MSGP includes a new provision (Part 1.2.3.8) which establishes eligibility conditions with regard to discharges to water quality-limited or water quality-impaired waters. For the purposes of this permit, ''water quality-impaired'' refers to a stream, lake, estuary, etc. that is not currently meeting its assigned water quality standards. These waters are also referred to as ''303(d) waters'' due to the requirement under that section of the CWA for States to periodically list all state waters that are not meeting their water quality standards. ''Water quality-limited waters'' refers to waterbodies for which a State had to develop individual Total Maximum Daily Loads (TMDLs), a tool which helps waterbodies meet their water quality standards. A TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. Water quality standards are set by States, Territories, and Tribes. They identify the uses for each waterbody, for example, drinking water supply, contact recreation (swimming), and aquatic life support (fishing), and the scientific criteria to support that use. The CWA, section 303, establishes the water quality standards and TMDL programs.

Prior to submitting a Notice of Intent, any new discharger (see 40 CFR 122.2) to a 303(d) waterbody must be able to demonstrate compliance with 40 CFR 122.4(i). In essence, you are a new discharger if your facility started discharging after August 13, 1979 and your storm water was not previously permitted. Any discharger to a waterbody for which there is an approved TMDL must confirm that the TMDL allocated a portion of the load for storm water point source discharges. These provisions apply only to discharges containing the pollutant(s) for which the waterbody is impaired or the TMDL developed.

Part 1.2.3.8.1 (which applies to new storm water discharges and not to existing discharges) is designed to better ensure compliance with NPDES regulations at 40 CFR 122.4(i), which include certain special requirements for new discharges into impaired waterbodies. Lists of impaired waterbodies (sometimes referred to as 303(d) waterbodies) may be obtained from appropriate State environmental offices or their internet sites. NPDES regulations at 40 CFR 122.4(i) prohibit discharges unless it can be shown that:

1. There are sufficient remaining pollutant load allocations to allow for the discharge; and

2. The existing dischargers into that segment are subject to compliance schedules designed to bring the segments into compliance with applicable water quality standards.

Part 1.2.3.8.2 (which applies to both new and existing storm water discharges) is designed to better ensure compliance with NPDES regulations at 40 CFR 122.4(d), which requires compliance with State water quality standards. The eligibility condition prohibits coverage of new or existing discharges of a particular pollutant where there is a TMDL, unless the discharge is consistent with the TMDL. Lists of waterbodies with TMDLs may be obtained from appropriate State environmental offices or their internet sites and from EPA's TMDL internet site at *http://www.epa.gov/owow/tmdl/index.html*.

E. Storm Water Discharges Subject to Anti-Degradation Provisions of Water Quality Standards

Part 1.2.3.9 of today's final MSGP includes a new provision which clarifies that discharges which do not comply with applicable anti-degradation provisions of State water quality standards are not eligible for coverage under the MSGP. This eligibility condition is designed to better ensure compliance with NPDES regulations at 40 CFR 122.4(d), which requires compliance with State water quality standards. Anti-degradation provisions may be obtained from the appropriate State environmental office or their internet sites.

F. Storm Water Discharges Previously Covered by an Individual Permit

The 1995 MSGP contained general prohibitions on coverage where a discharge was covered by another NPDES permit (Part I.B.3.d) and where a permit had been terminated other than at the request of the permittee (Part

I.B.3.e.). It was therefore possible to obtain coverage by requesting termination of an individual permit and then submitting an NOI for coverage under the MSGP. This could be desirable from both the discharger's and EPA's perspective for a variety of reasons, for example, where a wastewater permit included storm water outfalls, but the wastewater outfalls had been eliminated. Being able to use the general permit would reduce the application cost to the permittee and the administrative burden of permit issuance to the Agency. Today's permit clarifies the conditions under which transfer from an individual permit to this general permit would be acceptable (Part 1.2.3.3.2).

In order to avoid conflict with the anti-backsliding provisions of the CWA, transfer from an individual permit to the MSGP will only be allowed where both of the following conditions are met:

- The individual permit did not contain numeric water quality-based effluent limitations developed for the storm water component of the discharge; and
- The permittee includes any specific BMPs for storm water required under the individual permit in their storm water pollution prevention plan.

Implementation of a comprehensive Storm Water Pollution Prevention Plan for the entire facility (as opposed to selected outfalls in an individual permit) and compliance with all other conditions of the MSGP is deemed to be at least as stringent a technology-based permit limit as the conditions of the individual permit. This assumption is only made where the previous permit did not contain any specific water quality-based effluent limitations on storm water discharges (e.g., storm water contained high levels of zinc and the individual permit contained a zinc limit developed to ensure compliance with the State water quality criteria).

G. Requiring Coverage Under an Individual Permit or an Alternate General Permit

Part 9.12 of today's final MSGP provides that EPA may require an individual permit or coverage under a separate general permit instead of today's MSGP. This is in accord with NPDES regulations at 40 CFR 122.28(b)(3). These regulations also provide that any interested party may petition EPA to take such an action. The issuance of the individual permit or alternate general permit would be in accordance with 40 CFR Part 124 and would provide for public comment and appeal of any final permit decision. The circumstances in which such an action would be taken are set forth at 40 CFR 122.28(b)(3).

VI. Summary of Common Permit Conditions

The following section describes the permit conditions common to discharges from all the industrial activities covered by today's final MSGP. These conditions are largely the same as the conditions of the 1995 MSGP.

A. Notification Requirements

General permits for storm water discharges associated with industrial activity must require the submission of a Notice of Intent (NOI) prior to the authorization of such discharges (see 40 CFR 122.28(b)(2)(i), April 2, 1992 (57 FR 11394)). Consistent with these regulatory requirements, today's final MSGP establishes NOI requirements. These requirements apply to facilities currently covered by the 1995 MSGP, as well as new facilities seeking coverage. EPA made minor modifications to the NOI form to allow the discharger, the Agency and the public to more easily determine sector-specific conditions that will apply to the facility. Further modifications proposed on March 30, 2000 (65 FR 17010) require review and approval by the Office of Management and Budget under the Paperwork Reduction Act. EPA will have all appropriate approvals in place prior to requiring the use of the expanded NOI form. In the interim the NOI form with the minor modifications, contained in this notice, is in effect.

The information requirements of the revised NOI form are described below:

1. Content of NOI

a. An indication of which permit the operator is filing the NOI for (e.g., a facility in New Hampshire would be filing for coverage under permit NHR05*###, a facility located on Navajo Reservation lands in New Mexico under the AZR05*##I permit, a private contractor operating a federal facility in Colorado that is not located on Indian Country lands under the COR05*##F permit, etc.);

b. The name, address, and telephone number of the operator filing the NOI for permit coverage;

c. An indication of whether the owner of the site is a Federal, State, Tribal, private, or other public entity;

d. The name (or other identifier), address, county, and latitude/longitude of the facility for which the NOI is submitted (latitude/longitude will be accepted in either degree-minute-second or decimal format);

e. An indication of whether the facility is located on Indian Country lands;

f. An indication of whether the facility is a federal facility operated by the federal government;

g. The name of the receiving water(s);

h. The name of the municipal operator if the discharge is through a municipal separate storm sewer system prior to discharge to a water of the U.S.;

i. Up to four 4-digit Standard Industrial Classification (SIC) codes that best represent the principal products produced or services rendered, including hazardous waste treatment, storage, or disposal activities, land disposal facilities that receive or have received any industrial waste, steam electric power generating facilities, or treatment works treating domestic sewage;

j. Identification of applicable sector(s) in this permit, as designated in Table 1, for facility discharges associated with industrial activity the operator wishes to have covered under this permit;

k. Certification that a storm water pollution prevention plan (SWPPP) meeting the requirements of Part 4 has been developed (with a copy of the permit language in the SWPPP);

l. Based on the instructions in Addendum A, whether any listed threatened or endangered species, or designated critical habitat, are in proximity to the storm water discharges or storm water discharge-related activities to be covered by this permit;

m. Whether any historic property listed or eligible for listing on the National Register of Historic Places is located on the facility or in proximity to the discharge;

n. A signed and dated certification, signed by a authorized representative of the facility as detailed in Part 9.7 and maintained with the SWPPP that certifies the following:

I certify under penalty of law that I have read and understand the Part 1.2 eligibility requirements for coverage under the multi-sector storm water general permit including those requirements relating to the protection of endangered or threatened species or critical habitat. To the best of my knowledge, the storm water and allowable non-storm discharges authorized by this permit (and discharged related activities), are not likely and will not likely, jeopardize endangered or threatened species or critical habitat, or are otherwise eligible for coverage under Part 1.2.3.6 of the permit. To the best of my knowledge, I further certify that such discharges and discharge related activities do not have an effect on properties listed or eligible for listing on the National Register of Historic Places under the National Historic Preservation Act, or are otherwise eligible for coverage under Part 1.2.3.7 of the permit. I

understand that continued coverage under the multi-sector storm water general permit is contingent upon maintaining eligibility as provided for in Part 1.2.

Two additional components of the form pending approval by the Office of Management and Budget are:

a. under which Part(s) of Part 1.2.3.6 (Endangered Species) the applicant is certifying eligibility and whether the FWS or NMFS was involved in making the determination of eligibility;

b. under which Part(s) of Part 1.2.3.7 (Historic Properties) the applicant is certifying eligibility and whether the SHPO or THPO was involved in the determination of eligibility.

The NOI must be signed in accordance with the signatory requirements of 40 CFR 122.22. A complete description of these signatory requirements is provided in the instructions accompanying the NOI. Completed NOI forms must be submitted to the Storm Water Notice of Intent (4203), 1200 Pennsylvania Avenue NW., Washington, DC 20460.

In the future (but not at the present time), EPA may also allow alternate means of NOI submission (such as electronic submission). An alternate means of NOI submission may be used by operators provided EPA has informed the operator of the acceptability of the alternative.

2. Deadlines

For facilities currently covered by the 1995 MSGP, the deadline for submission of an NOI requesting coverage under the reissued MSGP is January 29, 2001 (90 days after expiration of the 1995 MSGP). For these facilities, the requirements of the 1995 MSGP are incorporated into today's MSGP and continue to apply during the interim period subsequent to the expiration of the 1995 MSGP, but prior to submission of the NOI requesting coverage under the reissued MSGP. In response to a question from some permittees, EPA wishes to clarify that there is no need to submit an NOT to rescind coverage under the 1995 MSGP.

Facilities currently covered by the 1995 MSGP who cannot immediately determine if they are eligible for coverage under today's reissued MSGP may nevertheless be covered for up to 270 days provided an application for an alternative permit is submitted within 90 days. This interim coverage allows permit coverage while the permittee assesses his eligibility for the reissued MSGP and, if necessary, still meet the 180 day lead time required for applications for individual permits.

For facilities commencing operations after reissuance of the MSGP, the NOI must be submitted at least two days prior to the commencement of the new industrial activity. New operators of existing facilities must also submit the NOI at least two days prior to assuming operational control at existing facilities.

Dischargers who submit a complete NOI in accordance with the MSGP requirements are authorized to discharge storm water associated with industrial activity two days after the date the NOI is postmarked, unless otherwise notified by EPA. EPA may deny coverage under the MSGP and require submission of an individual NPDES permit application based on a review of the completeness and/or content of the NOI or other information (e.g., Endangered Species Act compliance, National Historic Preservation Act Compliance, water quality information, compliance history, history of spills, etc.). Where EPA requires a discharger authorized under the MSGP to apply for an individual NPDES permit (or an alternative general permit), EPA will notify the discharger in writing that a permit application (or different NOI) is required by an established deadline. Coverage under the MSGP will automatically terminate if the discharger fails to submit the required permit application in a timely manner. Where the discharger does submit a requested permit application, coverage under the MSGP will automatically terminate on the effective date of the issuance or denial of the individual NPDES permit or the alternative general permit as it applies to the individual permittee.

A discharger is not precluded from submitting an NOI at a later date than described above. However, in such instances, EPA may bring appropriate enforcement actions.

3. Municipal Separate Storm Sewer System Operator Notification

Operators of storm water discharges associated with industrial activity that discharge through a large or medium municipal separate storm sewer system (MS4) or a municipal system designated by the Director,[1] must (upon request of the MS4 operator) submit a copy of the NOI to the municipal operator of the system receiving the discharge. This requirement of today's MSGP differs from the 1995 MSGP which had required that a copy of the NOI be sent to the MS4 operator. Today's MSGP has been modified in this regard to reduce paperwork requirements, and in consideration of the fact that most large and medium MS4 operators already have good information concerning the industrial facilities discharging into their MS4s.

EPA wishes to ensure a coordinated program between EPA and operators of MS4s for controlling pollutants in storm water discharges associated with industrial activity which enter an MS4. Such a coordinated program was intended by EPA's original storm water permit application regulations of November 16, 1990 (55 FR 48063). Additional discussion of this matter can be found in the original proposed MSGP (58 FR 61146).

4. Notice of Termination

Where a discharger is able to eliminate the storm water discharges associated with industrial activity from a facility, the discharger may submit a Notice of Termination (NOT) form (or photocopy thereof) provided by the Director. Today's final MSGP also differs from the 1995 MSGP by requiring that an NOT be submitted within 30 days after one or both of the following two conditions having been met:

a. a new owner/operator has assumed responsibility for the facility; or

b. the permittee has ceased operations at the facility and there no longer are discharges of storm water associated with industrial activity from the facility;

A copy of the NOT and instructions for completing the NOT are included in Addendum E. The NOT form requires the following information:

a. Name, mailing address, and location of the facility for which the notification is submitted. Where a street address for the site is not available, the location of the approximate center of the site must be described in terms of the latitude and longitude to the nearest 15 seconds, or the section, township and range to the nearest quarter;

b. The name, address and telephone number of the operator addressed by the Notice of Termination;

c. The NPDES permit number for the storm water discharge associated with industrial activity identified by the NOT;

d. An indication of whether the storm water discharges associated with industrial activity have been eliminated or the operator of the discharges has changed; and

e. The following certification:

I certify under penalty of law that all storm water discharges associated with industrial activity from the identified facility that are

[1] The terms large and medium municipal separate storm sewer systems (systems serving a population of 100,000 or more) are defined at 40 CFR 122.26(b)(4) and (7). Some of the cities and counties in which these systems are found are listed in Appendices F, G, H, and I to 40 CFR Part 122. Other municipal systems have been designated by EPA on a case-by-case basis or have brought into the program based upon the 1990 Census.

authorized by an NPDES general permit have been eliminated or that I am no longer the operator of the industrial activity. I understand that by submitting this Notice of Termination I am no longer authorized to discharge storm water associated with industrial activity under this general permit, and that discharging pollutants in storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by an NPDES permit. I also understand that the submission of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

NOTs are to be sent to the Storm Water Notice of Termination (4203), 1200 Pennsylvania Avenue NW., Washington, DC 20460.

The NOT must be signed in accordance with the signatory requirements of 40 CFR 122.22. A complete description of these signatory requirements is provided in the instructions accompanying the NOT.

5. Conditional Exclusion for No Exposure

Today's final MSGP includes a special provision (Part 1.5 of the permit) which provides that a facility may discontinue permit coverage if the facility determines that it is eligible for the ''no exposure'' permit exemption which was created by EPA as part of the promulgation of the Phase II storm water regulations (64 FR 68722). A notice of termination is not required to discontinue permit coverage under these circumstances. However, in accordance with the Phase II regulations, a no exposure certification must be filed with the permitting authority.

It should also be noted that facilities operating under the existing MSGP are eligible, as of the effective date of the Phase II regulations, to submit no exposure certifications immediately if they meet the criteria for no exposure. No exposure certification renewals must be submitted five years from the time they are first submitted (assuming the facility still qualifies for the exemption). If conditions change at a facility such that renewed MSGP coverage is needed, the facility may submit an NOI requesting renewed coverage.

In response to comments on this matter, EPA has included a copy of the ''No Exposure'' form and instructions as Addendum F to today's permit.

EPA has also prepared a new guidance document entitled ''Guidance Manual for Conditional Exclusion from Storm Water Permitting Based on ''No Exposure'' of Industrial Activities to Storm Water'' to assist permittees in determining eligibility for the exemption. This guidance document is available on EPA's storm water website. In addition, EPA recently conducted a mass mailing to permittees (as well as other stakeholder groups) alerting them to the no exposure exemption.

B. Special Conditions

The conditions of today's final MSGP have been designed to comply with the technology-based standards of the CWA (BAT/BCT). Based on a consideration of the appropriate factors for BAT and BCT requirements, and a consideration of the factors and options for controlling pollutants in storm water discharges associated with industrial activity, the final MSGP lists a set of tailored requirements for developing and implementing storm water pollution prevention plans (SWPPPs) and, for selected discharges, numeric effluent limitations.[2] This is the same approach as in the 1995 MSGP.

Section VIII of the fact sheet for the 1995 MSGP summarized the industry-specific BMP options for controlling pollutants in storm water discharges associated with industrial activity for the various industrial sectors covered by the MSGP. Section VIII of today's fact sheet does not repeat the information from the 1995 fact sheet; however, updates are provided as appropriate.

Section VI.B.4 of today's fact sheet discusses the storm water discharges which are subject to numeric effluent limitations. For other discharges covered by the final MSGP, the permit conditions reflect EPA's decision to identify a number of BMP and traditional storm water management practices which prevent pollution in storm water discharges as the BAT/BCT level of control for the majority of storm water discharges covered by this permit. The permit conditions applicable to these discharges are not numeric effluent limitations, but rather are flexible requirements for developing and implementing site specific plans to minimize and control pollutants in storm water discharges associated with industrial activity.

EPA is authorized under 40 CFR 122.44(k)(2) to impose BMPs in lieu of numeric effluent limitations in NPDES permits when the Agency finds numeric effluent limitations to be infeasible. EPA may also impose BMPs which are ''reasonably necessary * * * to carry out the purposes of the Act'' under 40 CFR 122.44(k)(3). Both of these standards for imposing BMPs were recognized in *NRDC* v. *Costle,* 568 F.2d 1369, 1380 (D.C. Cir. 1977). The conditions in today's final MSGP are issued under the authority of both of these regulatory provisions. The pollution prevention or BMP requirements in today's final MSGP operate as limitations on effluent discharges that reflect the application of BAT/BCT. This is because the BMPs identified require the use of source control technologies which, in the context of the MSGP, are the best available of the technologies economically achievable (or the equivalent BCT finding). See *NRDC* v. *EPA,* 822 F.2d 104, 122–23 (D.C. Cir. 1987) (EPA has substantial discretion to impose nonquantitative permit requirements pursuant to Section 402(a)(1)). See also EPA's memorandum of August 1, 1996 entitled ''Interim Permitting Approach for Water Quality-Based Effluent Limitations for Storm Water Discharges.''

1. Prohibition of Non-storm Water Discharges

Today's final MSGP includes basically the same provisions pertaining to non-storm water discharges as the 1995 MSGP. Like the 1995 MSGP, today's MSGP does not authorize non-storm water discharges that are mixed with storm water except as provided below. Today's MSGP does authorize one additional non-storm water discharge: mist discharges which originate from cooling towers and which are deposited at an industrial facility and may be discharged. During the term of the 1995 MSGP, these discharges were brought to the attention of EPA with a request that the discharges be authorized under the reissued MSGP. The mist discharges are authorized under today's MSGP provided:

a. The permittee has evaluated the potential for the discharges to be contaminated by chemicals used in the cooling tower and determined that the levels of such chemicals in the discharges would not cause or contribute to a violation of an applicable water quality standard; and

b. The permittee has addressed this source of pollutants with appropriate BMPs in the SWPPP.

The other non-storm water discharges that are authorized under today's final MSGP are the same as those in the 1995 MSGP and include discharges from fire

[2] Section 9.12.2 of the final MSGP provides that facility operators with storm water discharges associated with industrial activity who, based on an evaluation of site specific conditions, believe that the appropriate conditions of this permit do not adequately represent BAT and BCT requirements for the facility may submit to the Director an individual application (Form 1 and Form 2F). A detailed explanation of the reasons why the conditions of the available general permits do not adequately represent BAT and BCT requirements for the facility as well as any supporting documentation must be included.

fighting activities; fire hydrant flushings; potable water sources, including waterline flushings; irrigation drainage; lawn watering; routine external building washdown without detergents; pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; air conditioning condensate; compressor condensate; uncontaminated ground water or spring water; and foundation or footing drains where flows are not contaminated with process materials such as solvents that are combined with storm water discharges associated with industrial activity. In response to a comment, the final MSGP includes ''potable water sources, including waterline flushings'' on the list of authorized non-storm water discharges, but deletes the reference to ''drinking fountain water,'' which a commenter felt could conflict with local ordinances.

To be authorized under today's MSGP, these other sources of non-storm water (except flows from fire fighting activities) must be identified in the SWPPP prepared for the facility. (SWPPP requirements are discussed in more detail below). Where such discharges occur, the SWPPP must also identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

Today's final MSGP does not require pollution prevention measures to be identified and implemented for non-storm water flows from fire-fighting activities because these flows will generally be unplanned emergency situations where it is necessary to take immediate action to protect the public.

The prohibition of unpermitted non-storm water discharges in today's MSGP ensures that non-storm water discharges (except for those classes of non-storm water discharges that are conditionally authorized in Part 1.2.2.2 of the MSGP) are not inadvertently authorized by the permit. Where a storm water discharge is mixed with non-storm water that is not authorized by today's MSGP or another NPDES permit, the discharger should submit the appropriate application forms (Forms 1, 2C, and/or 2E) to gain permit coverage of the non-storm water portion of the discharge.

2. Releases of Reportable Quantities of Hazardous Substances and Oil

As discussed below, today's final MSGP includes the same provisions pertaining to releases of reportable quantities of hazardous substances and oil as the 1995 MSGP.

a. Today's final MSGP provides that the discharge of hazardous substances or oil from a facility must be eliminated or minimized in accordance with the SWPPP developed for the facility. Where a permitted storm water discharge contains a hazardous substance or oil in an amount equal to or in excess of a reporting quantity established under 40 CFR Part 117, or 40 CFR Part 302 during a 24-hour period, the following actions must be taken:

(1) Any person in charge of the facility that discharges hazardous substances or oil is required to notify the National Response Center (NRC) (800–424–8802; in the Washington, DC, metropolitan area, 202–426–2675) in accordance with the requirements of 40 CFR Part 117, and 40 CFR Part 302 as soon as they have knowledge of the discharge.

(2) The SWPPP for the facility must be modified within 14 calendar days of knowledge of the release to provide a description of the release, an account of the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and it must be modified where appropriate.

(3) The permittee must also submit to EPA within 14 calendar days of knowledge of the release a written description of the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and steps to be taken to modify the SWPPP for the facility.

b. Anticipated discharges containing a hazardous substance in an amount equal to or in excess of reporting quantities are those caused by events occurring within the scope of the relevant operating system. Facilities that have more than one anticipated discharge per year containing a hazardous substance in an amount equal to or in excess of a reportable quantity are required to:

(1) Submit notifications of the first release that occurs during a calendar year (or for the first year of this permit, after submission of an NOI); and

(2) Provide a written description in the SWPPP of the dates on which such releases occurred, the type and estimate of the amount of material released, and the circumstances leading to the releases. In addition, the SWPPP must address measures to minimize such releases.

c. Where a discharge of a hazardous substance or oil in excess of reporting quantities is caused by a non-storm water discharge (e.g., a spill of oil into a separate storm sewer), that discharge is not authorized by the MSGP and the discharger must report the discharge as required under 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302. In the event of a spill, the requirements of Section 311 of the CWA and other applicable provisions of Sections 301 and 402 of the CWA continue to apply. This approach is consistent with the requirements for reporting releases of hazardous substances and oil that make a clear distinction between hazardous substances typically found in storm water discharges and those associated with spills that are not considered part of a normal storm water discharge (see 40 CFR 117.12(d)(2)(i)).

3. Co-located Industrial Facilities

Like the 1995 MSGP, today's MSGP includes requirements pertaining to co-located industrial facilities. However, these requirements have been modified from the requirements of the 1995 MSGP to clarify their applicability. Co-located industrial activities occur when activities being conducted onsite fall into more than one of the categories of the industrial facilities listed in Part 1.2.1 of today's MSGP (e.g., a landfill at a wood treatment facility). Facilities operating under the 1995 MSGP have sometimes been unclear whether certain limited activities (e.g., minor vehicle maintenance activities at an industrial plant) would trigger the MSGP's requirements regarding co-located activities.

If you have co-located industrial activities on-site that are described in a sector(s) other than your primary sector, you must comply with all other applicable sector-specific conditions found in Part 6 for the co-located industrial activities. The extra sector-specific requirements are applied only to those areas of your facility where the extra-sector activities occur. An activity at a facility is not considered co-located if the activity, when considered separately, does not meet the description of a category of industrial activity covered by the storm water regulations, and identified by today's MSGP SIC code list. For example, unless you are actually hauling substantial amounts of freight or materials with your own truck fleet or are providing a trucking service to outsiders, simple maintenance of vehicles used at your facility is unlikely to meet the SIC code group 42 description of a motor freight transportation facility. Even though Sector P may not apply, the runoff from your vehicle maintenance facility would likely still be considered storm water

associated with industrial activity. As such, your SWPPP must still address the runoff from the vehicle maintenance facility—although not necessarily with the same degree of detail as required by Sector P—but you would not be required to monitor as per Sector P.

In the event there truly are co-located activities at your facility, today's MSGP authorizes, as does the 1995 MSGP, all storm water discharges provided that your facility complies with all SWPPP and monitoring requirements for each co-located activity. By monitoring the discharges from the different industrial activities, you can better determine the effectiveness of your SWPPP for controlling all major pollutants of concern in your storm water discharges. However, if monitoring for the same parameter is required for more than one sector (and the different industrial activities drain to the same outfall), then only one sample analysis is required for that parameter.

4. Numeric Effluent Limitations

Today's MSGP retains the numeric effluent limitations which were included in the 1995 MSGP, and also includes the effluent limitations guidelines which EPA recently finalized for certain storm water discharges from new and existing hazardous and non-hazardous landfills (65 FR 3007, January 19, 2000). The new effluent limitations guidelines for these landfills are discussed in more detail in the Sections VIII.K and L of this fact sheet (Special Requirements for Discharges Associated with Industry Activities).

Today's MSGP retains the numeric effluent limitations from the 1995 MSGP for the following discharges: coal pile runoff (including runoff from steam electric power plants subject to 40 CFR Part 423 requirements), discharges from phosphate fertilizer manufacturing (40 CFR Part 418), asphalt paving and roofing emulsions (40 CFR Part 443), cement manufacturing materials storage pile runoff (40 CFR Part 411), and discharges resulting from the spray down of lumber and wood products storage yards (wet decking) (40 CFR Part 429). In addition, the final MSGP authorizes mine dewatering discharges from construction sand and gravel, industrial sand, and crushed stone facilities (40 CFR Part 436) in EPA Regions 1, 2, 3, 6, 8, 9, 10. The actual numeric effluent limitations can be found in Part 6 of the final MSGP.

5. Compliance with Water Quality Standards

The 1995 MSGP does not specifically address compliance with water quality standards (WQS), other than to exclude from coverage discharges which may contribute to an exceedance of WQS. Today's final MSGP includes the same restriction on eligibility, and in Part 3.3 also includes certain requirements if exceedances occur for discharges covered by the MSGP. If a discharge authorized under the final MSGP is later discovered to cause, or have the reasonable potential to cause or contribute to, a violation of a WQS, the permitting authority will inform the permittee of the violation. The permittee must then take all necessary actions to ensure future discharges do not cause or contribute to the violation of WQS, and document these actions in the SWPPP. If violations remain or recur, coverage under the MSGP may be terminated by the permitting authority and an alternate permit issued. Today's final MSGP also clarifies that compliance with this requirement does not preclude enforcement actions as provided by the CWA for the underlying violation.

C. Common Storm Water Pollution Prevention Plan (SWPPP) Requirements

Like the 1995 MSGP, today's reissued MSGP requires that all facilities which intend to be covered by the MSGP for storm water discharges associated with industrial activity prepare and implement a SWPPP. The MSGP addresses pollution prevention plan requirements for a number of categories of industries. Following below is a discussion of the common permit requirements for all industries; special requirements for facilities subject to EPCRA Section 313 reporting requirements; and special requirements for facilities with outdoor salt storage piles. These are the permit requirements which apply to discharges associated with any of the industrial activities covered by today's final MSGP. These common requirements may be amended or further clarified in the industry-specific SWPPP requirements which are found in Part 6 of the final MSGP. These industry-specific requirements are additive for facilities where co-located industrial activities occur.

The Storm Water Pollution Prevention Plan (SWPPP) approach in today's final MSGP focuses on two major objectives: (1) to identify sources of pollution potentially affecting the quality of storm water discharges associated with industrial activity from the facility; and (2) ensure implementation of measures to minimize and control pollutants in storm water discharges associated with industrial activity from the facility.

The SWPPP requirements in today's final MSGP are intended to facilitate a process whereby the operator of the industrial facility thoroughly evaluates potential pollution sources at the site and selects and implements appropriate measures designed to prevent or control the discharge of pollutants in storm water runoff. The process involves the following four steps: (1) formation of a team of qualified plant personnel who will be responsible for preparing the plan and assisting the plant manager in its implementation; (2) assessment of potential storm water pollution sources; (3) selection and implementation of appropriate management practices and controls; and (4) periodic evaluation of the effectiveness of the plan to prevent storm water contamination.

EPA believes the pollution prevention approach is the most environmentally sound and cost-effective way to control the discharge of pollutants in storm water runoff from industrial facilities. This position is supported by the results of a comprehensive technical survey EPA completed in 1979.[3] The survey found that two classes of management practices are generally employed at industries to control the nonroutine discharge of pollutants from sources such as storm water runoff, drainage from raw material storage and waste disposal areas, and discharges from places where spills or leaks have occurred. The first class of management practices includes those that are low in cost, applicable to a broad class of industries and substances, and widely considered essential to a good pollution control program. Some examples of practices in this class are good housekeeping, employee training, and spill response and prevention procedures. The second class includes management practices that provide a second line of defense against the release of pollutants. This class addresses containment, mitigation, and cleanup. Since publication of the 1979 survey, EPA has imposed management practices and controls in NPDES permits on a case-by-case basis. The Agency also has continued to review the appropriateness and effectiveness of such practices,[4] as well as the

[3] See ''Storm Water Management for Industrial Activities,'' EPA, September 1992, EPA–832–R–92–006.

[4] For example, see ''Best Management Practices: Useful Tools for Cleaning Up,'' Thron, H. Rogoshewski, P., 1982, Proceedings of the 1982 Hazardous Material Spills Conference; ''The Chemical Industries'' Approach to Spill Prevention,'' Thompson, C., Goodier, J. 1980, Proceedings of the 1980 National Conference of Control of Hazardous Materials Spills; a series of EPA memoranda entitled ''Best Management Practices in NPDES Permits—Information Memorandum,'' 1983, 1985, 1986, 1987, 1988; Review of Emergency Systems: Report to Congress,'' EPA, 1988; and ''Analysis of Implementing

Continued

techniques used to prevent and contain oil spills.[5] Experience with these practices and controls has shown that they can be used in permits to reduce pollutants in storm water discharges in a cost-effective manner. In keeping with both the present and previous administration's objective to attain environmental goals through pollution prevention, pollution prevention has been and continues to be the cornerstone of the NPDES permitting program for storm water. EPA has developed guidance entitled ''Storm Water Management for Industrial Activities: Developing Pollution Prevention Plans and Best Management Practices,'' September 1992, to assist permittees in developing and implementing pollution prevention measures.

Note: The discussions of the SWPPP requirements are grouped in subject areas and do not follow the exact order of the permit conditions.

1. Pollution Prevention Team (Part 4.2.1)

As a first step in the process of developing and implementing a SWPPP, permittees are required to identify a qualified individual or team of individuals to be responsible for developing the plan and assisting the facility or plant manager in its implementation. When selecting members of the team, the plant manager should draw on the expertise of all relevant departments within the plant to ensure that all aspects of plant operations are considered when the plan is developed. The plan must clearly describe the responsibilities of each team member as they relate to specific components of the plan. In addition to enhancing the quality of communication between team members and other personnel, clear delineation of responsibilities will ensure that every aspect of the plan is addressed by a specified individual or group of individuals. Pollution Prevention Teams may consist of one individual where appropriate (*e.g.,* in certain small businesses with limited storm water pollution potential).

2. Description of the Facility and Potential Pollution Sources (Part 4.2.2)

Each SWPPP must describe activities, materials, and physical features of the facility that may contribute significant amounts of pollutants to storm water runoff or, during periods of dry weather, result in pollutant discharges through the separate storm sewers or storm water drainage systems that drain the facility. This assessment of storm water pollution risk will support subsequent efforts to identify and set priorities for necessary changes in materials, materials management practices, or site features, as well as aid in the selection of appropriate structural and nonstructural control techniques. Some operators may find that significant amounts of pollutants are running onto the facility property. Such operators should identify and address the contaminated runon in the SWPPP. If the runon cannot be addressed or diverted by the permittee, the permitting authority should be notified. If necessary, the permitting authority may require the operator of the adjacent facility to obtain a permit.

Part 6 of the final MSGP includes industry-specific requirements for the various industry sectors covered by today's permit. All SWPPPs generally must describe the following elements:

a. *Description of the Facility Site and Receiving Waters/Wetlands (Parts 4.2.2 and 4.2.3):* The plan must contain a map of the site that shows the location of outfalls covered by the permit (or by other NPDES permits), the pattern of storm water drainage, an indication of the types of discharges contained in the drainage areas of the outfalls, structural features that control pollutants in runoff,[6] surface water bodies (including wetlands), places where significant materials[7] are exposed to rainfall and runoff, and locations of major spills and leaks that occurred in the 3 years prior to the date of the submission of an NOI to be covered under this permit. The map also must show areas where the following activities take place: fueling, vehicle and equipment maintenance and/or cleaning, loading and unloading, material storage (including tanks or other vessels used for liquid or waste storage), material processing, and waste disposal. For areas of the facility that generate storm water discharges with a reasonable potential to contain significant amounts of pollutants, the map must indicate the probable direction of storm water flow and the pollutants likely to be in the discharge. Flows with a significant potential to cause soil erosion also must be identified. In order to increase the readability of the map, the inventory of the types of discharges contained in each outfall may be kept as an attachment to the site map.

b. *Summary of Potential Pollutant Sources (Part 4.2.4):* The description of potential pollution sources culminates in a narrative assessment of the risk potential that sources of pollution pose to storm water quality. This assessment should clearly point to activities, materials, and physical features of the facility that have a reasonable potential to contribute significant amounts of pollutants to storm water. Any such activities, materials, or features must be addressed by the measures and controls subsequently described in the plan. In conducting the assessment, the facility operator must consider the following activities: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; and onsite waste disposal practices. The assessment must list any significant pollution sources at the site and identify the pollutant parameter or parameters (*i.e.,* biochemical oxygen demand, suspended solids, etc.) associated with each source.

c. *Significant Spills and Leaks (Part 4.2.5):* The plan must include a list of any significant spills and leaks of toxic or hazardous pollutants that occurred in the three years prior to the date of the submission of an NOI to be covered under this permit. Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of quantities that are reportable under Section 311 of CWA (see 40 CFR 110.10 and 40 CFR 117.21) or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (see 40 CFR 302.4). Significant spills may also include releases of oil or hazardous substances that are not in excess of reporting requirements and releases of materials that are not classified as oil or a hazardous substance.

The listing should include a description of the causes of each spill or leak, the actions taken to respond to each release, and the actions taken to prevent similar such spills or leaks in the future. This effort will aid the facility operator as she or he examines existing spill prevention and response procedures and develops any additional

Permitting Activities for Storm Water Discharges Associated with Industrial Activity,'' EPA, 1991.

[5] See for example, ''The Oil Spill Prevention, Control and Countermeasures Program Task Force Report,'' EPA, 1988; and ''Guidance Manual for the Development of an Accidental Spill Prevention Program,'' prepared by SAIC for EPA, 1986.

[6] Nonstructural features such as grass swales and vegetative buffer strips also should be shown.

[7] Significant materials include, but are not limited to the following: raw materials; fuels; solvents, detergents, and plastic pellets; finished materials, such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); any chemical the facility is required to report pursuant to EPCRA Section 313; fertilizers; pesticides; and waste products, such as ashes, slag, and sludge that have the potential to be released with storm water discharges. (See 40 CFR 122.26(b)(8)).

procedures necessary to fulfill the requirements set forth in Parts 4 and 6 of the final permit.

d. *Allowable and Prohibited Non-storm Water Discharges (Part 4.4):* Each SWPPP must include a certification, signed by an authorized individual, that discharges from the site have been tested or evaluated for the presence of non-storm water discharges. The certification must describe possible significant sources of non-storm water, the results of any test and/or evaluation conducted to detect such discharges, the test method or evaluation criteria used, the dates on which tests or evaluations were performed, and the onsite drainage points directly observed during the test or evaluation. Acceptable test or evaluation techniques include dye tests, television surveillance, observation of outfalls or other appropriate locations during dry weather, water balance calculations, and analysis of piping and drainage schematics.[8]

Except for flows that originate from fire fighting activities, sources of non-storm water that are specifically identified in the permit as being eligible for authorization under the general permit must be identified in the plan. SWPPPs must identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water discharge.

EPA recognizes that certification may not be feasible where facility personnel do not have access to an outfall, manhole, or other point of access to the conduit that ultimately receives the discharge. In such cases, the plan must describe why certification was not feasible. Permittees who are not able to certify that discharges have been tested or evaluated must notify the Director in accordance with Part 4.4 of the final MSGP.

e. *Sampling Data (Part 4.2.6):* Any existing data on the quality or quantity of storm water discharges from the facility must be described in the plan, including data collected for Part 2 of the group application process. These data may be useful for locating areas that have contributed pollutants to storm water. The description should include a discussion of the methods used to collect and analyze the data. Sample collection points should be identified in the plan and shown on the site map.

[8] In general, smoke tests should not be used for evaluating the discharge of non-storm water to a separate storm sewer as many sources of non-storm water typically pass through a trap that would limit the effectiveness of the smoke test.

3. Selection and Implementation of Storm Water Controls (Part 4.2.7, et al.)

Following completion of the source identification and assessment phase, the permit requires the permittee to evaluate, select, and describe the pollution prevention measures, BMPs, and other controls that will be implemented at the facility. BMPs include processes, procedures, schedules of activities, prohibitions on practices, and other management practices that prevent or reduce the discharge of pollutants in storm water runoff.

EPA emphasizes the implementation of pollution prevention measures and BMPs that reduce possible pollutant discharges at the source. Source reduction measures include, among others, preventive maintenance, chemical substitution, spill prevention, good housekeeping, training, and proper materials management. Where such practices are not appropriate to a particular source or do not effectively reduce pollutant discharges, EPA supports the use of source control measures and BMPs such as material segregation or covering, water diversion, and dust control. Like source reduction measures, source control measures and BMPs are intended to keep pollutants out of storm water. The remaining classes of BMPs, which involve recycling or treatment of storm water, allow the reuse of storm water or attempt to lower pollutant concentrations prior to discharge.

The SWPPP must discuss the reasons each selected control or practice is appropriate for the facility and how each will address one or more of the potential pollution sources identified in the plan. The plan also must include a schedule specifying the time or times during which each control or practice will be implemented. In addition, the plan should discuss ways in which the controls and practices relate to one another and, when taken as a whole, produce an integrated and consistent approach for preventing or controlling potential storm water contamination problems. The permit requirements included for the various industry sectors in Part 6 of today's final MSGP generally require that the portion of the plan that describes the measures and controls address the following minimum components.

When ''minimize/reduce'' is used relative to SWPPP measures, EPA means to consider and implement BMPs that will result in an improvement over the baseline conditions as it relates to the levels of pollutants identified in storm water discharges with due consideration to economic feasibility and effectiveness.

a. *Nonstructural Controls:*

• Good Housekeeping. Good housekeeping involves using practical, cost-effective methods to identify ways to maintain a clean and orderly facility and keep contaminants out of separate storm sewers. It includes establishing protocols to reduce the possibility of mishandling chemicals or equipment and training employees in good housekeeping techniques. These protocols must be described in the plan and communicated to appropriate plant personnel.

• Minimizing Exposure. Where practicable, protecting potential pollutant sources from exposure to storm water is an important control option. Pollutants that are never allowed to contaminate storm water do not require development of ''treatment'' type BMPs. Elimination of all exposure to storm water may also make the facility eligible for the ''No Exposure Certification'' exclusion from permitting at 40 CFR 122.26(g)

• Preventive Maintenance. Permittees must develop a preventive maintenance program that involves regular inspection and maintenance of storm water management devices and other equipment and systems. The program description should identify the devices, equipment, and systems that will be inspected; provide a schedule for inspections and tests; and address appropriate adjustment, cleaning, repair, or replacement of devices, equipment, and systems. For storm water management devices such as catch basins and oil/water separators, the preventive maintenance program should provide for periodic removal of debris to ensure that the devices are operating efficiently. For other equipment and systems, the program should reveal and enable the correction of conditions that could cause breakdowns or failures that may result in the release of pollutants.

• Spill Prevention and Response Procedures. Based on an assessment of possible spill scenarios, permittees must specify appropriate material handling procedures, storage requirements, containment or diversion equipment, and spill cleanup procedures that will minimize the potential for spills and, in the event of a spill, enable proper and timely response. Areas and activities that typically pose a high risk for spills include loading and unloading areas, storage areas, process activities, and waste disposal activities. These activities and areas, and their accompanying drainage points, must be described in the plan. For a spill

prevention and response program to be effective, employees should clearly understand the proper procedures and requirements and have the equipment necessary to respond to spills.

• Routine Inspections. In addition to the comprehensive site evaluation, facilities are required to conduct periodic inspections of designated equipment and areas of the facility. Industry-specific requirements for such inspections, if any, are set forth in Part 6 of the final MSGP. When required, qualified personnel must be identified to conduct inspections at appropriate intervals specified in the plan. A set of tracking or follow-up procedures must be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections must be maintained. These periodic inspections are different from the comprehensive site evaluation, even though the former may be incorporated into the latter. Equipment, area, or other inspections are typically visual and are normally conducted on a regular basis, *e.g.*, daily inspections of loading areas. Requirements for such periodic inspections are specific to each industrial sector in today's permit, whereas the comprehensive site compliance evaluation is required of all industrial sectors. Area inspections help ensure that storm water pollution prevention measures (*e.g.*, BMPs) are operating and properly maintained on a regular basis. The comprehensive site evaluation is intended to provide an overview of the entire facility's pollution prevention activities. Refer to Part VI.C.3.h. below for more information on the comprehensive site evaluation.

• Employee Training. The SWPPP must describe a program for informing personnel at all levels of responsibility of the components and goals of the SWPPP. The training program should address topics such as good housekeeping, materials management, and spill response procedures. Where appropriate, contractor personnel also must be trained in relevant aspects of storm water pollution prevention. A schedule for conducting training must be provided in the plan. Several sections in Part 6 of today's final MSGP specify a minimum frequency for training of once per year. Others indicate that training is to be conducted at an appropriate interval. EPA recommends that facilities conduct training annually at a minimum. However, more frequent training may be necessary at facilities with high turnover of employees or where employee participation is essential to the storm water pollution prevention plan.

b. *Structural Controls:*

• Sediment and Erosion Control. The SWPPP must identify areas that, due to topography, activities, soils, cover materials, or other factors have a high potential for significant soil erosion. The plan must identify measures that will be implemented to limit erosion in these areas.

• Management of Runoff. The plan must contain a narrative evaluation of the appropriateness of traditional storm water management practices (*i.e.*, practices other than those that control pollutant sources) that divert, infiltrate, reuse, or otherwise manage storm water runoff so as to reduce the discharge of pollutants. Appropriate measures may include, among others, vegetative swales, collection and reuse of storm water, inlet controls, snow management, infiltration devices, and wet detention/retention basins.

c. *Example BMPs:* Part 4.2.7.2.2 includes a list of example BMPs that could be considered for use in a SWPPP, for example: detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff onsite; and sequential systems (which combine several practices). These examples are not intended to limit the creativity of facility operators in developing alternative BMPs or applications for BMPs that increase cost effectiveness.

d. *Selection of Controls:* Based on the results of the evaluation, the plan must identify practices that the permittee determines are reasonable and appropriate for the facility. The plan also should describe the particular pollutant source area or activity to be controlled by each storm water management practice. Reasonable and appropriate practices must be implemented and maintained according to the provisions prescribed in the plan.

In selecting storm water management measures, it is important to consider the potential effects of each method on other water resources, such as ground water. Although storm water pollution prevention plans primarily focus on storm water management, facilities must also consider potential ground water pollution problems and take appropriate steps to avoid adversely affecting ground water quality. For example, if the water table is unusually high in an area, an infiltration pond may contaminate a ground water source unless special preventive measures are taken. Under EPA's July 1991 Ground Water Protection Strategy, States are encouraged to develop Comprehensive State Ground Water Protection Programs (CSGWPP). Efforts to control storm water should be compatible with State ground water objectives as reflected in CSGWPPs.

e. *Other Controls:* Today's final MSGP includes a new requirement that no solid materials, including floating debris may be discharged to waters of the United States, except as authorized by a permit under Section 404 of the Clean Water Act. In addition, off-site tracking of raw, final, or waste materials or sediment, and the generation of dust must be minimized. Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas must be minimized. These requirements are similar to requirements included in EPA's construction general storm water permit (63 FR 7858, February 17, 1998) which EPA believes would be appropriate for industrial facilities as well.

f. *Maintenance (Part 4.3):* All BMPs identified in the SWPPP must be maintained in effective operating condition.

g. *Controls for Allowable Non-Storm Water (Part 4.4.2):* Where an allowable non-storm water has been identified, appropriate controls for that discharge must be included in the permit. In many cases, the same types of controls for contaminated storm water would suffice, but the nature and volume of potential pollutants in the non-storm water discharges must be taken into consideration in selection of controls.

h. *Comprehensive Site Compliance Evaluation (Part 4.9):* Today's final MSGP requires that the SWPPP describe the scope and content of the comprehensive site evaluations that qualified personnel will conduct to (1) confirm the accuracy of the description of potential pollution sources contained in the plan, (2) determine the effectiveness of the plan, and (3) assess compliance with the terms and conditions of the permit. Note that the comprehensive site evaluations are not the same as periodic or other inspections described for certain industries in Section VI.C.3.d of this fact sheet. However, in the instances when frequencies of inspections and the comprehensive site compliance evaluation overlap, they may be combined allowing for efficiency as long as the requirements for both types of inspections are met. The plan must indicate the frequency of comprehensive evaluations which must be at least once a year, except where comprehensive site evaluations are shown in the plan to be impractical for inactive mining sites, due to remote

location and inaccessibility.[9] The individual or individuals who will conduct the comprehensive site evaluation must be identified in the plan and should be members of the pollution prevention team. Material handling and storage areas and other potential sources of pollution must be visually inspected for evidence of actual or potential pollutant discharges to the drainage system. Inspectors also must observe erosion controls and structural storm water management devices to ensure that each is operating correctly. Equipment needed to implement the SWPPP, such as that used during spill response activities, must be inspected to confirm that it is in proper working order.

The results of each comprehensive site evaluation must be documented in a report signed by an authorized company official. The report must describe the scope of the comprehensive site evaluation, the personnel making the comprehensive site evaluation, the date(s) of the comprehensive site evaluation, and any major observations relating to implementation of the SWPPP. Comprehensive site evaluation reports must be retained for at least three years after the date of the evaluation. Based on the results of each comprehensive site evaluation, the description in the plan of potential pollution sources and measures and controls must be revised as appropriate within two weeks after each comprehensive site evaluation, unless indicated otherwise in Part 6 of the permit. If existing BMPs need to be modified or if additional BMPs are necessary, implementation must be completed before the next anticipated storm, or not more than 12 weeks after completion of the comprehensive site evaluation.

i. *Applicable State, Tribal, or Local Plans (Part 4.8):* The SWPPP must be consistent with any applicable requirements of State, Tribal, or Local storm water, waste disposal, sanitary sewer or septic system regulations to the extent these apply to a facility and are more stringent than the requirements of this permit.

j. *Documentation of Permit Eligibility with Regards to ESA and NHPA Requirements (Parts 4.5 and 4.6):* To better ensure compliance with the requirements of the ESA and NHPA, Parts 4.5 and 4.6 of today's final MSGP require that documentation be included with the SWPPP demonstrating permit eligibility with regards to the requirements of the ESA and NHPA. The following information is required for the ESA:

- Information on whether listed endangered or threatened species, or critical habitat, are found in proximity to the facility;
- Whether such species may be jeopardized by the storm water discharges or storm water discharge-related activities;
- Results of the Addendum A endangered species screening determinations; and
- A description of measures necessary to protect listed endangered or threatened species, or critical habitat, including any terms or conditions that are imposed under the eligibility requirements of Part 1.2.3.6. The final MSGP notes that discharges from facilities which fail to describe and implement such measures are ineligible for coverage under the permit.

The following information is required for the NHPA determination:

- Information on whether the storm water discharges or storm water discharge-related activities would have an effect on a property that is listed or eligible for listing on the National Register of Historic Places;
- Where effects may occur, any written agreements which have been made with the State Historic Preservation Officer, Tribal Historic Preservation Officer, or other Tribal leader to mitigate those effects;
- Results of the Addendum B historic places screening determinations; and
- A description of measures necessary to avoid or minimize adverse impacts on places listed, or eligible for listing, on the National Register of Historic Places, including any terms or conditions that are imposed under the eligibility requirements of Part 1.2.3.7 of this permit. The final MSGP notes that discharges from facilities which fail to describe and implement such measures are ineligible for coverage under the permit.

k. *Keeping a Copy of the Permit with the SWPPP (Part 4.7):* A new requirement to have a copy of the permit language in the SWPPP has been added to today's permit. The ''confirmation'' letter received from the NOI Processing Center is not the permit; it is essentially only the equivalent of a ''receipt'' for a facility's ''registration'' (NOI) to use the general permit. Since determining permit eligibility and preparing a SWPPP is required prior to obtaining permit coverage, a copy of the permit would be needed anyway. Requiring a copy of the permit in the SWPPP ensures that facility operators, and not just whoever prepared the SWPPP, will have ready access to all permit requirements.

l. *Recordkeeping and Keeping the SWPPP Current (Parts 4.9.4, 4.10, et al.):* Records must be kept with the SWPPP documenting the status and effectiveness of plan implementation. At a minimum, records must address results of the annual Comprehensive Site Compliance Evaluations, routine facility inspections, spills, monitoring, and maintenance activities. The plan also must describe a system that enables timely reporting of storm water management-related information to appropriate plant personnel. Inspectors or other enforcement officers will ask for records documenting permit compliance during inspections or facility compliance reviews.

The SWPPP must be updated whenever there is a change at the facility that would significantly affect the discharges authorized under the MSGP. The SWPPP must also be updated whenever monitoring results and/or an inspection by the permittee or by local, state, tribal, or federal officials indicate a portion of the SWPPP is proving to be ineffective in controlling storm water discharge quality.

m. *Signature, Plan Review, and Access to the SWPPP (Part 4.11):* The SWPPP must be signed and certified in accordance with Part 7 of the permit. A copy of the SWPPP must be kept on site at the facility or be locally available for the use of the Director, a State, Tribe, or local agency (*e.g.*, MS4 operator) at the time of an onsite inspection. The SWPPP must also be made available to the U.S. Fish and Wildlife Service or National Marine Fisheries Service upon request. Since SWPPPs are living documents that change over time, access to the current version of the SWPPP is critical in assessing permit compliance. Facilities are also required to provide a copy of the SWPPP to the public when requested in writing to do so.

The Director may notify you at any time that your SWPPP does not meet one or more of the minimum requirements of this permit. The notification will identify provisions of the permit which are not being met, as well as the required modifications. Required changes must be made within thirty (30) calendar days and a written certification submitted to the Director confirming that the changes were made.

EPA does not intend to require public comment on SWPPPs or hold public hearings. As noted above, EPA may require changes to a SWPPP when necessary and may consider concerns from the public in making such judgments. The MSGP also provides

[9] Where annual site inspections are shown in the plan to be impractical for inactive mining sites due to remote location and inaccessibility, site inspections must be conducted at least once every three years.

that individual permits may be required when the MSGP is inappropriate for a given facility. During the issuance of the individual permits, the public would have an opportunity to comment on the requirements of the permits.

4. Deadlines

Today's MSGP requires that permittees previously covered by the 1995 MSGP must update their SWPPPs to comply with any new requirements of today's MSGP by the date they submit their new NOIs. As noted earlier, the new NOIs are due January 29, 2001. However, a permittee may request an extension for the SWPPP update not to exceed 270 days from the expiration date of the 1995 MSGP.

D. Special Requirements

1. Special Requirements for Storm Water Discharges Associated With Industrial Activity From Facilities Subject to EPCRA Section 313 Requirements (Part 4.12)

Today's final MSGP replaces the special requirements of the 1995 MSGP for certain permittees subject to reporting requirements under Section 313 of the EPCRA (also known as Title III of the Superfund Amendments and Reauthorization Act (SARA)) with a requirement to identify areas with these pollutants. EPCRA Section 313 requires operators of certain facilities that manufacture (including import), process, or otherwise use listed toxic chemicals to report annually their releases of those chemicals to any environmental media. Listed toxic chemicals include more than 500 chemicals and chemical classes listed at 40 CFR Part 372 (including the recently added chemicals published November 30, 1994).

By requiring identification of EPCRA 313 chemicals in the summary of potential pollutant sources under the Storm Water Pollution Prevention Plan (Part 4.2.4), the facility operator is then required to develop appropriate storm water controls for such areas (Part 4.2.7). EPA expects that many controls for EPCRA chemicals will continue to be driven by other state and federal environmental regulations such as Spill Prevention Control and Countermeasure (SPCC) plans required under Section 311 of the CWA, etc. as long as such a requirement is incorporated into the SWPPP.

This reduction in permit complexity by eliminating redundant requirements was requested by members of the regulated community.

2. Special Requirements for Storm Water Discharges Associated With Industrial Activity From Salt Storage Facilities

Today's MSGP retains the same special requirements as the 1995 MSGP for storm water discharges associated with industrial activity from salt storage facilities. Storage piles of salt used for deicing or other commercial or industrial purposes must be enclosed or covered to prevent exposure to precipitation, except for exposure resulting from adding or removing materials from the pile. This requirement only applies to runoff from storage piles discharged to waters of the United States. Facilities that collect all the runoff from their salt piles and reuse it in their processes or discharge it subject to a separate NPDES permit do not need to enclose or cover their piles.

These special requirements have been included in today's permit based on human health and aquatic effects resulting from storm water runoff from salt storage piles compounded with the prevalence of salt storage piles across the United States.

3. Consistency With Other Plans

SWPPPs may reference the existence of other plans for Spill Prevention Control and Countermeasure (SPCC) developed for the facility under Section 311 of the CWA or BMP programs otherwise required by an NPDES permit for the facility as long as such requirement is incorporated into the SWPPP.

E. Monitoring and Reporting Requirements

Today's final MSGP retains the same monitoring requirements as the existing MSGP. Numerous comments were submitted on these monitoring requirements. A summary of EPA's responses to these comments and justification for retaining these requirements is contained in this section. A more detailed discussion is found in Section IX of this fact sheet (Summary of Responses to Comments). Responses to individual comments are contained in the Water Docket.

Like the 1995 MSGP, today's final MSGP includes three general types of monitoring: analytical monitoring or chemical monitoring; compliance monitoring for effluent guidelines compliance, and visual examinations of storm water discharges. A general description of each of these types of monitoring which was provided with the 1995 MSGP is repeated below.

1. Analytical Monitoring Requirements

Analytical monitoring requirements involve laboratory chemical analyses of samples collected by the permittee. The results of the analytical monitoring are quantitative concentration values for different pollutants, which can be easily compared to the results from other sampling events, other facilities, or to national benchmarks.

The categories of facilities subject to analytical monitoring in today's final MSGP are noted in Table 1 of this fact sheet. The MSGP requires analytical monitoring for the industry sectors or subsectors that demonstrated in the group application data a potential to discharge pollutants at concentrations of concern or, in certain State-specific cases, to satisfy those States' requirements. The data submitted with the group permit applications were reviewed by EPA to determine the industry sectors and subsectors listed in Table 1 of this fact sheet that are to be subject to analytical monitoring requirements. First, EPA divided the Part 1 and Part 2 application data by the industry sectors listed in Table 1. Where a sector was found to contain a wide range of industrial activities or potential pollutant sources, it was further subdivided into the industry subsectors listed in Table 1. Next, EPA reviewed the information submitted in Part 1 of the group applications regarding the industrial activities, significant materials exposed to storm water, and the material management measures employed. This information helped identify potential pollutants that may be present in the storm water discharges. Then EPA entered into a database the sampling data submitted in Part 2 of the group applications. Those data were arrayed according to industrial sector and subsector for the purposes of determining when analytical monitoring would be appropriate.

To conduct a comparison of the results of the statistical analyses to determine when analytical monitoring would be required, EPA established ''benchmark'' concentrations for the pollutant parameters on which monitoring results had been received. The ''benchmarks'' are the pollutant concentrations above which EPA determined represent a level of concern. The level of concern is a concentration at which a storm water discharge could potentially impair, or contribute to impairing, water quality or affect human health from ingestion of water or fish. The benchmarks are also viewed by EPA as a level that, if below, a facility presents little potential for water quality concern. As such, the benchmarks also

provide an appropriate level to determine whether a facility's storm water pollution prevention measures are successfully implemented. The benchmark concentrations are not effluent limitations and should not be interpreted or adopted as such. These values are merely levels which EPA has used to determine if a storm water discharge from any given facility merits further monitoring to ensure that the facility has been successful in implementing a SWPPP. As such, these levels represent a target concentration for a facility to achieve through implementation of pollution prevention measures at the facility. Table 3 lists the parameter benchmark values and the sources used for the benchmarks. Two changes from the 1995 MSGP are the addition of benchmark values for total Cyanide and Total Magnesium. Benchmark values for the two parameters were included in the Fact Sheet of the 1995 MSGP at Table K–3, but were inadvertently not included in the general listing of parameter benchmark values (Table 5 of the Fact Sheet for the 1995 MSGP). Additional information explaining the derivation of the benchmarks can be found in the fact sheet for the 1995 MSGP (60 FR 50825).

TABLE 3.—PARAMETER BENCHMARK VALUES

Parameter name	Benchmark level	Source
Biochemical Oxygen Demand (5 day)	30 mg/L	4
Chemical Oxygen Demand	120 mg/L	5
Total Suspended Solids	100 mg/L	7
Oil and Grease	15 mg/L	8
Nitrate + Nitrite Nitrogen	0.68 mg/L	7
Total Phosphorus	2.0 mg/L	6
pH	6.0–9.0 s.u.	4
Acrylonitrile (c)	7.55 mg/L	2
Aluminum, Total (pH 6.5–9)	0.75 mg/L	1
Ammonia	19 mg/L	1
Antimony, Total	0.636 mg/L	9
Arsenic, Total (c)	0.16854 mg/L	9
Benzene	0.01 mg/L	10
Beryllium, Total (c)	0.13 mg/L	2
Butylbenzyl Phthalate	3 mg/L	3
Cadmium, Total (H)	0.0159 mg/L	9
Chloride	860 mg/L	1
Copper, Total (H)	0.0636 mg/L	9
Cyanide, Total	0.0636 mg/l	9
Dimethyl Phthalate	1.0 mg/L	11
Ethylbenzene	3.1 mg/L	3
Fluoranthene	0.042 mg/L	3
Fluoride	1.8 mg/L	6
Iron, Total	1.0 mg/L	12
Lead, Total (H)	0.0816 mg/L	1
Magnesium, Total	0.0636 mg/l	9
Manganese	1.0 mg/L	13
Mercury, Total	0.0024 mg/L	1
Nickel, Total (H)	1.417 mg/L	1
PCB–1016 (c)	0.000127 mg/L	9
PCB–1221 (c)	0.10 mg/L	10
PCB–1232 (c)	0.000318 mg/L	9
PCB–1242 (c)	0.00020 mg/L	10
PCB–1248 (c)	0.002544 mg/L	9
PCB–1254 (c)	0.10 mg/L	10
PCB–1260 (c)	0.000477 mg/L	9
Phenols, Total	1.0 mg/L	11
Pyrene (PAH,c)	0.01 mg/L	10
Selenium, Total (*)	0.2385 mg/L	9
Silver, Total (H)	0.0318 mg/L	9
Toluene	10.0 mg/L	3
Trichloroethylene (c)	0.0027 mg/L	3
Zinc, Total (H)	0.117 mg/L	1

Sources:
1. ''EPA Recommended Ambient Water Quality Criteria.'' Acute Aquatic Life Freshwater.
2. ''EPA Recommended Ambient Water Quality Criteria.'' LOEL Acute Freshwater.
3. ''EPA Recommended Ambient Water Quality Criteria.'' Human Health Criteria for Consumption of Water and Organisms.
4. Secondary Treatment Regulations (40 CFR 133).
5. Factor of 4 times BOD5 concentration—North Carolina benchmark.
6. North Carolina storm water benchmark derived from NC Water Quality Standards.
7. National Urban Runoff Program (NURP) median concentration.
8. Median concentration of Storm Water Effluent Limitation Guideline (40 CFR Part 419).
9. Minimum Level (ML) based upon highest Method Detection Limit (MDL) times a factor of 3.18.
10. Laboratory derived Minimum Level (ML).
11. Discharge limitations and compliance data.
12. ''EPA Recommended Ambient Water Quality Criteria.'' Chronic Aquatic Life Freshwater.
13. Colorado—Chronic Aquatic Life Freshwater—Water Quality Criteria.

Notes:
(*) Limit established for oil and gas exploration and production facilities only.
(c) carcinogen.

(H) hardness dependent.
(PAH) Polynuclear Aromatic Hydrocarbon.
Assumptions:
Receiving water temperature − 20 C.
Receiving water pH − 7.8.
Receiving water hardness CaCO3 100 mg/L.
Receiving water salinity 20 g/kg
Acute to Chronic Ratio (ACR) − 10.

EPA prepared a statistical analysis of the sampling data for each pollutant parameter reported within each sector or subsector. (Only where EPA did not subdivide an industry sector into subsectors was an analysis of the entire sector's data performed.) The statistical analysis was performed assuming a delta log normal distribution of the sampling data within each sector/subsector. The analyses calculated median, mean, maximum, minimum, 95th, and 99th percentile concentrations for each parameter. The results of the analyses can be found in the appropriate section of Section VIII of the fact sheet accompanying the 1995 MSGP. From this analysis, EPA was able to identify pollutants for further evaluation within each sector or subsector.

EPA next compared the median concentration of each pollutant for each sector or subsector to the benchmark concentrations listed in Table 3. EPA also compared the other statistical results to the benchmarks to better ascertain the magnitude and range of the discharge concentrations to help identify the pollutants of concern. EPA did not conduct this analysis if a sector had data for a pollutant from less than three individual facilities. Under these circumstances, the sector or subsector would not have this pollutant identified as a pollutant of concern. This was done to ensure that a reasonable number of facilities represented the industry sector or subsector as a whole and that the analysis did not rely on data from only one facility.

For each industry sector or subsector, parameters with a median concentration higher than the benchmark level were considered pollutants of concern for the industry and identified as potential pollutants for analytical monitoring under today's permit. EPA then analyzed the list of potential pollutants to be monitored against the lists of significant materials exposed and industrial activities which occur within each industry sector or subsector as described in the Part I application information. Where EPA could identify a source of a potential pollutant which is directly related to industrial activities of the industry sector or subsector, the permit identifies that parameter for analytical monitoring. If EPA could not identify a source of a potential pollutant which was associated with the sector/subsector's industrial activity, the permit does not require monitoring for the pollutant in that sector/subsector. Industries with no pollutants for which the median concentrations are higher than the benchmark levels are not required to perform analytical monitoring under this permit, with the exceptions explained below.

In addition to the sectors and subsectors identified for analytical monitoring using the methods described above, EPA determined, based upon a review of the degree of exposure, types of materials exposed, special studies and in some cases inadequate sampling data in the group applications, that the following industries also warrant analytical monitoring notwithstanding the absence of data on the presence or absence of certain pollutants in the group applications: Sector K (hazardous waste treatment storage and disposal facilities), and Sector S (airports which use more than 100,000 gallons per year of glycol-based fluids or 100 tons of urea for deicing). Today's final MSGP retains the monitoring requirements of the 1995 MSGP due to the high potential for contamination of storm water discharge which EPA believes was not adequately characterized by group applicants in the information they provided in the group application process. Like the 1995 MSGP, exemptions for today's MSGP would be on a pollutant-by-pollutant and outfall-by-outfall basis.

As part of the reissuance process for today's MSGP, EPA evaluated Discharge Monitoring Reports (DMRs) submitted by facilities for analytical monitoring conducted during the second and fourth year of the 1995 MSGP. The purpose of the evaluation was to evaluate any trends in the monitoring results. One factor common to almost all industrial sectors, however, was that the number of DMRs submitted for the year-four monitoring period far exceeded the number of DMRs submitted for the year-two monitoring period. For the second-year monitoring period, EPA received 380 DMRs, whereas 1377 DMRs were received for the fourth-year monitoring period. For example, the number of Sector M (Auto Salvage Yards) facilities that submitted monitoring results for total suspended solids from the second year monitoring period was roughly 26; the number of DMRs submitted for the fourth year monitoring for the same industrial sector and parameter was 240. As a result, EPA could not conduct the trends analysis it intended to perform.

While the exact reason for the significant increase in the number of DMRs received in year 4 of the permit (as compared to year 2) is unknown, EPA suspects it is related to the administrative extension of EPA's 1992 baseline general permit. Although the 1992 general permit expired in September 1997, the permit was administratively extended. It was not until December 28, 1998 that facilities previously covered under EPA's baseline industrial permit were required to obtain coverage under the MSGP. As a result, facilities previously covered under the baseline industrial permit were not required to conduct analytical monitoring (as required in the second year of the 1995 MSGP). In essence, the fourth-year monitoring data set EPA received represents the baseline of pollutant discharge information under the sector-specific industrial general storm water permit.

Based on the information received during the public comment period and the DMRs received, EPA believes it is premature to make any final conclusions regarding the value of the Agency's acquisition of the monitoring data or to consider dropping the monitoring. EPA is retaining quarterly analytic monitoring requirements for storm water discharges as per the 1995 MSGP for all sectors previously identified. Comparison of pollutant levels against benchmark levels is still regarded as one of the important tools operators must use to evaluate their facilities' storm water pollution prevention plans (SWPPPs) and best management practices (BMPs). Facilities' discharge monitoring reports (DMRs) are also vital to the Agency for use in characterizing an industrial sector's discharges. EPA has not, and does not, intend for pollutant levels above the benchmark values to mean a facility is out of compliance with the MSGP–2000.

While today's permit retains the analytical monitoring requirements of the 1995 MSGP, the Agency continues to support the position that any analytical monitoring program required

under the MSGP needs to be structured so that it provides useful information to facility operators, EPA and the general public on the effectiveness of Storm Water Pollution Prevention Plans. EPA commits to using data from the 1995 and 2000 permits to evaluate the effectiveness of management practices on an industry sector basis and to evaluate the need for changes in monitoring protocols for the next permit. The Agency will work with program stakeholders in conducting the evaluation and may seek to implement certain changes possibly on a pilot basis.

Like the 1995 MSGP, today's MSGP requires that all facilities, save for Sector G, within an industry sector or subsector identified for analytical monitoring must, at a minimum, monitor their storm water discharges quarterly during the second year of permit coverage, unless the facility exercises the Alternative Certification described in Section VI.E.3 of this fact sheet. At the end of the second year of coverage under the current permit, a facility is required to calculate the average concentration for each parameter for which the facility is required to monitor. If the average concentration for a pollutant parameter is less than or equal to the benchmark value, then the permittee is not required to conduct analytical monitoring for that pollutant during the fourth year of the permit. If, however, the average concentration for a pollutant is greater than the benchmark value, then the permittee is required to conduct quarterly monitoring for that pollutant during the fourth year of permit coverage. Analytical monitoring is not required during the first, third, and fifth year of the permit. When average concentrations exceed benchmark levels, facilities are encouraged to conduct more monitoring if appropriate to identify additional management practices which may be necessary to include in their SWPPP. The exclusion from analytical monitoring in the fourth year of the permit was conditional on the facility maintaining industrial operations and BMPs that will ensure a quality of storm water discharges consistent with the average concentrations recorded during the second year of the permit. For purposes of the above monitoring, year 2 runs from October 1, 2001 to September 30, 2002; year 4 runs from October 1, 2003 to September 30, 2004.

EPA acknowledges that, considering the small number of samples required per monitoring year (four), and the vagaries of storm water discharges, it may be difficult to determine or confirm the existence of a discharge problem as a commenter claimed. When viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job. EPA believes there is presently no alternative that provides stakeholders with an equivalent indicator of program effectiveness.

Commenters also had concerns that only four samples and variability in conditions severely reduce the utility of monitoring results for judging BMP effectiveness. While not practicable for EPA to require an increase in monitoring, operators are encouraged to sample more frequently to improve the statistical validity of their results. Unless the proper data acquisition protocol for making a valid BMP effectiveness determination is rigorously followed, any other method used to assess BMP effectiveness would be qualitative, and therefore less reliable. The least subjective approach, and most beneficial to operators and stakeholders, EPA believes, remains a combination of visual and analytic monitoring, using analyte benchmark levels to target potential problems. Statistical uncertainties inherent in the monitoring results will necessitate both operators and EPA exercising best professional judgement in interpreting the results. As stated above, when viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job.

Commenters had additional concerns regarding impacts of storm water on water quality standards and that monitoring has marginal value in assessing and protecting water quality. In the absence of establishing discharge pollutant levels that correlate directly to water quality standards, as would be done for an individual permit, EPA settled on benchmark levels which would, under nearly all scenarios, be protective of water quality standards. Recognizing the shortcomings of these generic pollutant levels, EPA only intends for them to be used as indicators of possible problems and as a flag to reevaluate the SWPPP and possibly the operation of the facility—not as a trigger to begin mandatory SWPPP or operational revisions (unless, after employing BPJ, the operator deems such revisions are necessary).

Monitoring results also serve as an oversight tool for EPA to prioritize sites which may benefit from a site inspection. A requirement to submit test results serves as an incentive for the facility operator to perform the monitoring and take any necessary action based on the results.

Some commenters felt the validity of benchmark values need to be reevaluated. Universal WQ-based discharge levels for storm water cannot be established; the next best thing would be to determine water segment-specific total maximum daily loads (TMDLs) for these discharges. But when benchmarks are employed merely as indicators, without requiring specific corrective actions beyond using best professional judgement to reassess present conditions and make any changes deemed necessary, the present benchmarks are adequate. In many cases operators can, upon receipt of analytic monitoring results above benchmarks, still conclude their present SWPPPs/BMPs are adequately protective of water quality, or that other situations such as discharging to low-quality, ephemeral streams may obviate the need for SWPPP/BMP revisions.

The fact that storm water discharge pollutant levels could be affected by atmospheric/dry deposition, run on and fate in transport, as well as structural sources, was a concern of a few commenters. EPA acknowledges the potential for adding pollutants to a facility's discharges from external or structural sources. Permittees are, nonetheless, still legally responsible for the quality of all discharges from their sites (or any runoff that comes into contact with their structures, industrial activities or materials, regardless of where these are located)—but not from pollutants that may be introduced into their discharges outside the boundaries of their properties. Pollutant levels, whether elevated from air deposition, run-on from nearby sites, or leachate from on-site structures, remain the responsibility of permittees. This was affirmed in the ruling by the Environmental Appeals Board against the General Motors Corporation CPC-Pontiac Fiero Plant in December 1997.

a. *Other Monitoring Options:* There were various comments for and against various alternatives to quarterly analytic monitoring submitted. The other non-analytic monitoring options are summarized in the following paragraphs, along with EPA responses.

b. *Visual Monitoring:* Numerous commenters supported dropping analytic monitoring from the MSGP–

2000 in favor of just requiring quarterly visual monitoring. Commenters claimed visual monitoring is adequate to ensure compliance and environmental protection (especially coupled with training), and is least burdensome.

Quarterly visual monitoring of storm water discharges has always been a permit requirement, for many of the same reasons why commenters favor it, and will continue to be so. EPA will also be retaining analytic monitoring because we believe the best way to ensure SWPPP effectiveness and protection of water quality is through a combination of visual and analytic monitoring. The reasons for not adopting visual monitoring only are explained further in the rationale for justifying quarterly analytic monitoring.

c. *Annual Reporting:* One option suggested by commenters was for an annual report, possibly using a standardized form, to be submitted to EPA detailing the permittee's SWPPP highlights and revisions/additions, inspections, compliance evaluations, visual monitoring results, etc. This information is already required to be documented in a facility's SWPPP, which, if deemed necessary, must be provided to EPA on demand. One comment against this option stated that the volume of data submitted would be too great for the Agency to evaluate. Other opponents to this option indicated that the reports would not contain enough information to evaluate SWPPP effectiveness, ensure water quality protection, or provide the information necessary to make long-term management plans. Commenters in support of the annual report concept held that it would provide a record of the permittee's commitment to storm water control, was better for evaluating SWPPP effectiveness, and would provide information to EPA to determine if sampling or a site inspection is needed.

If no monitoring data were available, an annual report could be used to ensure that a facility is implementing its SWPPP. The reports could also be used to prioritize sites for inspection. However, EPA agrees that it would be very burdensome to review all the reports and very difficult to assess the effectiveness of a facility's SWPPP based on that review alone. The subjectivity inherent in annual reporting makes it a undesirable substitute for analytic monitoring. Documenting the kind of information in the annual report is already a SWPPP requirement, and is therefore available to operators for assessing and improving their storm water programs. For these reasons, EPA will not require reports containing essentially the same information required in SWPPPs to be submitted in lieu of analytic monitoring.

d. *Group Monitoring:* Commenters also suggested group monitoring. In this option a consortium of like permittees would do sampling at one facility, possibly on a rotating basis. The sample results would represent all the facilities in the consortium. A variation of group monitoring is for the consortium to retain a consultant to do representative sampling and provide storm water program guidance and evaluations. Supporters of this concept said it may allow for comparisons of effectiveness of different SWPPP practices (e.g., sweeping vs. catchment basin for solids control). One commenter pointed out that the feasibility of the group concept is suspect due to the fact that individual facilities may have different topography, soil and other natural conditions. EPA believes that technically valid BMP comparisons could be done under this type of program. However, it would be difficult and very resource-intensive for EPA to establish criteria for group eligibility and then monitor to ensure that groups met these criteria.

e. *Watershed Monitoring:* This option involves replacing the monitoring of discrete storm water discharges with ambient receiving water monitoring on a watershed basis. Watershed monitoring is invaluable to making real conclusions regarding storm water impacts of water quality, and will be employed in making total maximum daily load (TMDL). However, watershed monitoring cannot replace facility-specific storm water discharge monitoring to determine the loads contributed by the facilities and to evaluate the effectiveness of the SWPPP.

f. *Monitoring Only in Impaired Waters:* Several commenters supported requiring monitoring only in impaired water bodies and for pollutants that cause the impairment. Although this option would focus attention on the problem water bodies and possible pollutant sources, EPA and a commenter point out that not all impaired water bodies and their impairments have been determined. The goal of EPA's storm water program is also to protect and maintain water quality, not just remediate impaired waters, so focusing on impaired waters only does not fulfill all the program's responsibilities.

2. Compliance Monitoring

Today's final MSGP retains the same compliance monitoring requirements as the 1995 MSGP, and also includes compliance monitoring requirements for certain storm water discharges from new and existing hazardous and non-hazardous landfills. As noted earlier, EPA has recently finalized effluent limitations guidelines for these landfills (65 FR 3007, January 19, 2000) and the compliance monitoring is required to ensure compliance with the guidelines. These discharges must generally be sampled annually (in some cases quarterly) and tested for the parameters which are limited by the permit. Discharges subject to compliance monitoring include (in addition to the landfills discharges): coal pile runoff, contaminated runoff from phosphate fertilizer manufacturing facilities, runoff from asphalt paving and roofing emulsion production areas, material storage pile runoff from cement manufacturing facilities, and mine dewatering discharges from crushed stone, construction sand and gravel, and industrial sand mines located in EPA Regions 1, 2, 3, 6, 8, 9, 10. All samples are to be grabs taken within the first 30 minutes of discharge where practicable, but in no case later than the first hour of discharge. Where practicable, the samples shall be taken from the discharges subject to the numeric effluent limitations prior to mixing with other discharges.

Monitoring for these discharges is required to determine compliance with numeric effluent limitations. Discharges covered under today's final MSGP which are subject to numeric effluent limitations are not eligible for the alternative certification described in Section VI.E.3 of this fact sheet.

Where a State or Tribe has imposed a numeric effluent limitation as a condition for certification under CWA § 401, a default minimum monitoring frequency of once per year has been included in the final permit. This default monitoring frequency would only apply if a State failed to provided a monitoring frequency along with their conditional § 401 certification.

3. Alternate Certification

Today's final MSGP retains the provision in the 1995 MSGP for an alternative certification in lieu of analytical monitoring. The MSGP includes monitoring requirements for facilities which the Agency believes have the potential for contributing significant levels of pollutants to storm water discharges. The alternative certification described below is included in the permit to ensure that monitoring requirements are only imposed on those facilities which do, in fact, have storm water discharges containing pollutants at concentrations of concern. EPA has determined that if there are no sources of a pollutant

exposed to storm water at the site then the potential for that pollutant to contaminate storm water discharges does not warrant monitoring.

A discharger is not subject to the analytical monitoring requirements provided the discharger makes a certification for a given outfall, on a pollutant-by-pollutant basis, that material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, industrial machinery or operations, significant materials from past industrial activity that are located in areas of the facility that are within the drainage area of the outfall are not presently exposed to storm water and will not be exposed to storm water for the certification period. Such certification must be retained in the SWPPP, and submitted to EPA in lieu of monitoring reports required under Part 7 of the permit. The permittee is required to complete any and all sampling until the exposure is eliminated. If the facility is reporting for a partial year, the permittee must specify the date exposure was eliminated. If the permittee is certifying that a pollutant was present for part of the reporting period, nothing relieves the permittee from the responsibility to sample that parameter up until the exposure was eliminated and it was determined that no significant materials remained. This certification is not to be confused with the low concentration sampling waiver. The test for the application of this certification is whether the pollutant is exposed, or can be expected to be present in the storm water discharge. If the facility does not and has not used a parameter, or if exposure is eliminated and no significant materials remain, then the facility can exercise this certification.

As noted above, the MSGP does not allow facilities with discharges subject to numeric effluent limitations guidelines to submit alternative certification in lieu of compliance monitoring requirements. The permit also does not allow air transportation facilities or hard rock mines subject to the analytical monitoring requirements in Part 6 of the final MSGP to exercise an alternative certification.

A facility is not precluded from exercising the alternative certification in lieu of analytical monitoring requirements in the second or fourth year of the reissued MSGP, even if that facility has failed to qualify for a low concentration waiver thus far. EPA encourages facilities to eliminate exposure of industrial activities and significant materials where practicable.

4. Reporting and Retention Requirements

Like the 1995 MSGP, today's final MSGP requires that permittees submit all analytical monitoring results obtained during the second and fourth year of permit coverage. As noted earlier, year 2 runs from October 1, 2001 to September 30, 2002; year 4 runs from October 1, 2003 to September 30, 2004. Monitoring results must be submitted by January 28, 2003 for year 2 monitoring and January 28, 2005 for year 4 monitoring.

For each outfall, one Discharge Monitoring Report (DMR) form must be submitted per storm event sampled. For facilities conducting monitoring beyond the minimum requirements, an additional DMR form must be filed for each analysis. The permittee must include a measurement or estimate of the total precipitation, volume of runoff, and peak flow rate of runoff for each storm event sampled. Permittees subject to compliance monitoring requirements are required to submit all compliance monitoring results annually by October 28 following each annual sampling period (which run from October 1 of each year to September 30 of the following year). Compliance monitoring results must be submitted on signed DMR forms. For each outfall, one DMR form must be submitted for each storm event sampled.

Permittees are not required to submit records of the visual examinations of storm water discharges unless specifically asked to do so by the Director. Records of the visual examinations must be maintained at the facility. Records of visual examination of storm water discharge need not be lengthy. Permittees may prepare typed or hand written reports using forms or tables which they may develop for their facility. The report need only document: the date and time of the examination; the name of the individual making the examination; and any observations of color, odor, clarity, floating solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution.

The address for submission of DMR forms for today's final MSGP is as follows: MSGP DMR (4203), U.S. EPA, 1200 Pennsylvania Avenue, NW., Washington, DC 20460.

Under the 1995 MSGP, DMRs had been sent to the EPA Regional Offices. However, to facilitate review of all DMRs from facilities operating under the MSGP, the final MSGP requires that they be sent to the one location specified above.

Today's final MSGP also retains the requirement in the 1995 MSGP that permittees submit signed copies of DMRs to the operator of a large or medium MS4 (those which serve a population of 100,000 or more), if there are discharges of storm water associated with industrial activity through the MS4.

The location for submission of all reports (other than DMRs) for today's final MSGP remains the EPA Regional Offices as found in Part 8.3 of the final permit. Consistent with Office of Management and Budget Circular A–105, facilities located on the following Federal Indian Reservations, which cross EPA Regional boundaries, should note that permitting authority for such lands is consolidated in one single EPA Region.

a. Duck Valley Reservations lands, located in Regions 9 and 10, are handled by Region 9.

b. Fort McDermitt Reservation lands, located in Regions 9 and 10, are handled by Region 9.

c. Goshute Reservation lands, located in Regions 8 and 9, are handled by Region 9.

d. Navajo Reservation lands, located in Regions 6, 8, and 9, are handled by Region 9.

e. Ute Mountain Reservation lands, located in Regions 6 and 8, are handled Region 8.

Pursuant to the requirements of 40 CFR 122.41(j), today's MSGP (like the 1995 MSGP) requires permittees to retain all records for a minimum of three years from the date of the sampling, examination, or other activity that generated the data.

5. Sample Type

Today's final MSGP retains the same requirements regarding the type of sampling as the 1995 MSGP. A general description is provided below. Certain industries have different requirements. Permittees should check the industry-specific requirements in Part 6 of the final permit to confirm these requirements. Grab samples may be used for all monitoring unless otherwise stated. All such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The required 72-hour storm event interval may be waived by the permittee where the preceding measurable storm event did not result in a measurable discharge from the facility. The 72-hour requirement may also be waived by the permittee where the permittee

documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. The grab sample must be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the discharger must submit with the monitoring report a description of why a grab sample during the first 30 minutes was impracticable. A minimum of one grab is required. Where the discharge to be sampled contains both storm water and non-storm water, the facility shall sample the storm water component of the discharge at a point upstream of the location where the non-storm water mixes with the storm water, if practicable.

6. Representative Discharge

Today's MSGP retains the same provision as the 1995 MSGP regarding substantially identical outfalls which allows a facility to reduce its overall monitoring burden. This representative discharge provision provides facilities with multiple storm water outfalls, a means for reducing the number of outfalls that must be sampled and analyzed. This may result in a substantial reduction of the resources required for a facility to comply with analytical monitoring requirements. When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may test the effluent of one such outfall and report that the quantitative data also apply to the substantially identical outfalls provided that the permittee includes in the SWPPP a description of the location of the outfalls and detailed explanation why the outfalls are expected to discharge substantially identical effluent. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (*e.g.*, low (under 40 percent), medium (40 to 65 percent) or high (above 65 percent)) shall be provided in the plan. Facilities that select and sample a representative discharge are prohibited from changing the selected discharge in future monitoring periods unless the selected discharge ceases to be representative or is eliminated. Permittees do not need EPA approval to claim discharges are representative, provided they have documented their rationale within the SWPPP. However, the Director may determine the discharges are not representative and require sampling of all non-identical outfalls.

The representative discharge provision in the permit is available to almost all facilities subject to the analytical monitoring requirements (not including compliance monitoring for effluent guideline limit compliance purposes) and to facilities subject to visual examination requirements.

The representative discharge provisions described above are consistent with Section 5.2 of NPDES Storm Water Sampling Guidance Document (EPA 833–B–92–001, July 1992).

7. Sampling Waiver

Today's final MSGP retains the same provisions for sampling waivers (as discussed below) which are found in the 1995 MSGP:

a. Adverse Weather Conditions. Today's final MSGP allows for temporary waivers from sampling based on adverse climatic conditions. This temporary sampling waiver is only intended to apply to insurmountable weather conditions such as drought or dangerous conditions such as lightning, flash flooding, or hurricanes. These events tend to be isolated incidents and should not be used as an excuse for not conducting sampling under more favorable conditions associated with other storm events. The sampling waiver is not intended to apply to difficult logistical conditions, such as remote facilities with few employees or discharge locations which are difficult to access. When a discharger is unable to collect samples within a specified sampling period due to adverse climatic conditions, the discharger shall collect a substitute sample from a separate qualifying event in the next sampling period as well as a sample for the routine monitoring required in that period. Both samples should be analyzed separately and the results of that analysis submitted to EPA. Permittees are not required to obtain advance approval for sampling waivers.

b. *Unstaffed and Inactive Sites—Chemical Sampling Waiver.* Today's final MSGP allows for a waiver from sampling for facilities that are both inactive and unstaffed. This waiver is only intended to apply to these facilities where lack of personnel and locational impediments hinder the ability to conduct sampling (i.e., the ability to meet the time and representative rainfall sampling specifications). This waiver is not intended to apply to remote facilities that are active and staffed, or to facilities with just difficult logistical conditions. When a discharger is unable to collect samples as specified in this permit, the discharger shall certify to the Director in the DMR that the facility is unstaffed and inactive and the ability to conduct samples within the specifications is not possible. Permittees are not required to obtain advance approval for this waiver.

c. *Unstaffed and Inactive Sites—Visual Monitoring Waiver.* Today's final MSGP allows for a waiver from sampling for facilities that are both inactive and unstaffed. This waiver is only intended to apply to these facilities where lack of personnel and locational impediments hinder the ability to conduct visual examinations (i.e., the ability to meet the time and representative rainfall sampling specifications). This monitoring waiver is not intended to apply to remote facilities that are active and staffed, or to facilities with just difficult logistical conditions. When a discharger is unable to perform visual examinations as specified in this permit, the discharger shall maintain on site with the pollution prevention plan a certification stating that the facility is unstaffed and inactive and the ability to perform visual examinations within the specifications is not possible. Permittees are not required to obtain advance approval for visual examination waivers.

8. Quarterly Visual Examination of Storm Water Quality

Today's final MSGP retains the requirements of the 1995 MSGP for quarterly visual examinations of storm water discharges which EPA continues to believe provide a useful and inexpensive means for permittees to evaluate the effectiveness of their SWPPPs (with immediate feedback) and make any necessary modifications to address the results of the visual examinations. All sectors of today's final MSGP are required to conduct these examinations. In the 1995 MSGP all sectors except Sector S (which covers air transportation) were required to conduct the examinations.

Basically, the MSGP requires that grab samples of storm water discharges be taken and examined visually for the presence of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen or other obvious indicators of storm water pollution. The grab samples must be taken within the first 30 minutes after storm water discharges begin, or as soon as practicable, but not longer than 1 hour after discharges begin. The sampling must be conducted quarterly during the

following time periods: January–March, April–June, July–September and October–December of each year. The reports summarizing these quarterly visual storm water examinations must be maintained on-site with the SWPPP.

The examination of the sample must be made in well lit areas. The visual examination is not required if there is insufficient rainfall or snow-melt to run off or if hazardous conditions prevent sampling. Whenever practicable the same individual should carry out the collection and examination of discharges throughout the life of the permit to ensure the greatest degree of consistency possible in recording observations.

When conducting a storm water visual examination, the pollution prevention team, or team member, should attempt to relate the results of the examination to potential sources of storm water contamination on the site. For example, if the visual examination reveals an oil sheen, the facility personnel (preferably members of the pollution prevention team) should conduct an inspection of the area of the site draining to the examined discharge to look for obvious sources of spilled oil, leaks, etc. If a source can be located, then this information allows the facility operator to immediately conduct a clean-up of the pollutant source, and/or to design a change to the SWPPP to eliminate or minimize the contaminant source from occurring in the future.

Other examples include: if the visual examination results in an observation of floating solids, the personnel should carefully examine the solids to see if they are raw materials, waste materials or other known products stored or used at the site. If an unusual color or odor is sensed, the personnel should attempt to compare the color or odor to the colors or odors of known chemicals and other materials used at the facility. If the examination reveals a large amount of settled solids, the personnel may check for unpaved, unstabilized areas or areas of erosion. If the examination results in a cloudy sample that is very slow to settle out, the personnel should evaluate the site draining to the discharge point for fine particulate material, such as dust, ash, or other pulverized, ground, or powdered chemicals.

To be most effective, the personnel conducting the visual examination should be fully knowledgeable about the SWPPP, the sources of contaminants on the site, the industrial activities conducted exposed to storm water and the day to day operations that may cause unexpected pollutant releases.

If the visual examination results in a clean and clear sample of the storm water discharge, this may indicate that no pollutants are present. This would be an indication of a high quality result. However, the visual examination will not provide information about dissolved contamination. If the facility is in a sector or subsector required to conduct analytical (chemical) monitoring, the results of the chemical monitoring, if conducted on the same sample, would help to identify the presence of any dissolved pollutants and the ultimate effectiveness of the Storm Water Pollution Prevention Plan. If the facility is not required to conduct analytical monitoring, it may do so if it chooses to confirm the cleanliness of the sample.

While conducting the visual examinations, personnel should constantly be attempting to relate any contamination that is observed in the samples to the sources of pollutants on site. When contamination is observed, the personnel should be evaluating whether or not additional BMPs should be implemented in the SWPPP to address the observed contaminant and, if BMPs have already been implemented, evaluating whether or not these are working correctly or need maintenance. Permittees may also conduct more frequent visual examinations than the minimum quarterly requirement, if they so choose. By doing so, they may improve their ability to ascertain the effectiveness of their plan. Using this guidance, and employing a strong knowledge of the facility operations, EPA believes that permittees should be able to maximize the effectiveness of their storm water pollution prevention efforts through conducting visual examinations which give direct, frequent feedback to the facility operator or pollution prevention team on the quality of the storm water discharge.

EPA believes that this quick and simple assessment will help the permittee to determine the effectiveness of his/her plan on a regular basis at very little cost. Although the visual examination cannot assess the chemical properties of the storm water discharged from the site, the examination will provide meaningful results upon which the facility may act quickly. EPA recommends that the visual examination be conducted at different times than the chemical monitoring, but is not requiring this. In addition, more frequent visual examinations can be conducted if the permittee so chooses. In this way, better assessments of the effectiveness of the Storm Water Pollution Prevention Plan can be achieved. The frequency of this visual examination will also allow for timely adjustments to be made to the plan. If BMPs are performing ineffectively, corrective action must be implemented. A set of tracking or followup procedures must be used to ensure that appropriate actions are taken in response to the examinations. The visual examination is intended to be performed by members of the pollution prevention team. This hands-on examination will enhance the staff's understanding of the site's storm water problems and the effects of the management practices that are included in the plan.

F. Regional Offices

1. Notice of Intent Address

Notices of Intent to be authorized to discharge under the MSGP should be sent to: Storm Water Notice of Intent (4203), USEPA, 401 M Street, SW., Washington, DC 20460.

2. EPA Regional Office Addresses and Contacts

For further information, please call the appropriate EPA Regional storm water contacts listed below:

- ME, MA, NH, Indian country in CT, MA, ME, RI, and Federal Facilities in VT

EPA Region 1, Office of Ecosystem Protection, JFK Federal Building (CMU), Boston, MA 02203, Contact: Thelma Murphy (617) 918–1615.

- PR

U.S. EPA, Region 2, Caribbean Environmental Protection Division, Centro Europa Building, 1492 Ponce de Leon Avenue, Suite 417, San Juan, Puerto Rico 00907–4127, Contact: Sergio Bosques (787) 729–6951.

- DC and Federal Facilities in DE

EPA Region 3, Water Protection Division, (3WP13), Storm Water Staff, 841 Chestnut Building, Philadelphia, PA 19107, Contact: Cheryl Atkinson (215) 814–3392.

- Indian country in FL

EPA Region 4, Water Management Division, Surface Water Permits Section (SWPFB), 61 Forsyth Street, SW, Atlanta, GA 30303–3104, Contact: Floyd Wellborn (404) 562–9296.

• NM; Indian country in LA, OK, TX and NM (Except Navajo and Ute Mountain Reservation Lands); oil and gas exploration and production related industries, and pipeline operations in OK (which under State law are regulated by the Oklahoma Corporation Commission and not the Oklahoma Department of Environmental Quality); and oil and gas sites in TX.

EPA Region 6, NPDES Permits Section (6WQ-PP), 1445 Ross Avenue, Dallas, TX 75202–2733, Contact: Brent Larsen (214) 665–7523.

• Federal facilities in the State of Colorado; Indian country in CO, ND, SD, WY and UT (except Goshute and Navajo Reservation lands); Ute Mountain Reservation lands in CO and NM ; and Pine Ridge Reservation lands in SD and NE.

EPA Region 8, Ecosystems Pr.otection Program (8EPR–EP), 999 18th Street, Suite 300, Denver, CO 80202–2466 Contact: Vern Berry (303) 312–6234.

• AZ, American Samoa, Commonwealth of Northern Mariana Islands, Johnston Atoll, Guam, Midway Island and Wake Island; all Indian country in AZ, CA, and NV; those portions of the Duck Valley, Fort McDermitt and Goshute Reservations that are outside NV; those portions of the Navajo Reservation that are outside AZ.

EPA Region 9, Water Management Division, (WTR–5), Storm Water Staff, 75 Hawthorne Street, San Francisco, CA 94105, Contact: Eugene Bromley (415) 744–1906.

• ID; Indian country in AK, ID (except the Duck Valley Reservation), OR (except the Fort McDermitt Reservation), and WA; and Federal facilities in WA

EPA Region 10, Office of Water (OW–130), Storm Water Staff, 1200 Sixth Avenue, Seattle, WA 98101, Contact: Misha Vakoc (206) 553–6650 (toll-free in Region 10 states: 800–424–4372, extension 6650).

VII. Cost Estimates for Common Permit Requirements

Cost estimates for the MSGP were included with the final fact sheet accompanying the issuance of the MSGP on September 29, 1995 and are not being repeated here. However, additional costs for facilities seeking coverage under the reissued MSGP should be minor since the new MSGP includes few changes from the 1995 MSGP.

VIII. Special Requirements for Discharges Associated With Specific Industrial Activities

Section VIII of the fact sheet accompanying the 1995 MSGP included a detailed description of the industrial sectors covered by the permit, sources of pollutants from the different types of industries, available industry-specific BMPs, and a description of the industrial-specific permit requirements. As noted previously, EPA is not repeating all this information due to its considerable length. Table 1 in Section IV of this fact sheet listed the industrial sectors and subsectors covered by today's final MSGP. For today's MSGP, EPA reviewed the various sectors and subsectors to determine whether additional BMP opportunities have been identified subsequent to the issuance of the 1995 MSGP which would be appropriate to include in the reissued MSGP.

To update the various sectors and subsectors, EPA reviewed a variety of sources of information. As noted in Section VI.C of this fact sheet, pollution prevention is the cornerstone of the NPDES storm water permit program and, as such, EPA focused on new pollution prevention opportunities in updating the sectors. EPA has several ongoing programs directed toward identifying additional pollution prevention opportunities for different industrial sectors. One example is the ''sector notebooks'' which EPA's Office of Compliance has published covering 28 different industries, including many of those covered by the MSGP. EPA's Design for the Environment Program and Common Sense Initiative are additional examples. States, municipalities, industry trade associations and individual companies have also been active in recent years in trying to identify additional pollution prevention opportunities for different types of industries.

In reviewing the new information, however, EPA has identified only a few sectors where there appear to be additional storm water BMPs which would be appropriate for the reissued MSGP. For many industries, while considerable work has been conducted to reduce the environmental effects of these industries, little of the work has focused specifically on storm water. Rather, the efforts have focused more in areas such as manufacturing process changes to reduce hazardous waste generation or to reduce pollutant discharges in process wastewater. Where additional storm water BMPs have been identified and incorporated into the reissued MSGP, these new requirements are discussed below by sector. In some sectors, additional language clarifying the permit requirements has been added and these changes are also discussed below.

A. Sectors C—Chemical and Allied Products Facilities

Industry-specific requirements for the manufacture of fertilizer from leather scraps (SIC 2873) was moved from Sector Z (Leather Tanning and Finishing) to Sector C. This change places the requirements for SIC 2873 in the same sector as other manufacturers of fertilizers.

B. Sector G—Metal Mining (Ore Dressing and Mining)

To clarify the applicability of the MSGP regarding construction activity at metal mining sites and to make metal mining requirements consistent with mineral mining provisions (Sector J), Sector G has been modified to indicate that earth-disturbing activities occurring in the ''exploration and construction phase'' of a mining operation must be covered under EPA's Construction General Permit (63 FR 7858, February 17, 1998) if the area disturbed is one acre or more. All mining exploration/construction operations of less than one acre must be covered under the MSGP–2000.

Today's MSGP also incorporates the MSGP modifications of August 7, 1998 (63 FR 42534) regarding storm water discharges from waste rock and overburden piles. On October 10, 1995, the National Mining Association challenged the interpretation set forth in Table G–4 of the 1995 MSGP that runoff from waste rock and overburden piles would categorically be considered mine drainage subject to effluent limitations guidelines (ELGs) at 40 CFR Part 440. The litigation was settled on August 7, 1998 with a revised interpretation by EPA of the applicability of the ELGs which is incorporated into today's MSGP. Under the revised interpretation, runoff from waste rock and overburden piles is not subject to ELGs unless it naturally drains (or is intentionally diverted) to a point source and combines with ''mine drainage'' that is otherwise subject to the ELGs.

The August 7, 1998 modification of the MSGP provided permit coverage for storm water discharges from waste rock and overburden piles which are not subject to ELGs. However, due to concerns regarding potential pollutants in the discharges, additional monitoring requirements were included in the permit to determine the pollutant concentrations in the discharges. These monitoring requirements are also

included in today's MSGP. The monitoring results which have been submitted to EPA pursuant to these requirements were also considered in determining the monitoring requirements for today's permit for this sector.

Concerns were expressed by some commenters over the use of the term ''Numeric limitation'' in the headings in the tables in Sector G in the proposed MSGP. However, since there are no actual numeric limitations in the tables, EPA believes this concern is not justified and the final MSGP has not been modified in response to these comments. In response to other comments, the revised Table G–4 from the August 7, 1998 MSGP modification has been added to the permit in Part 6.G.

In response to comments received on the proposed MSGP, the language in Part 6.G.1.6.6 of the final MSGP was modified to indicate that a permittee may test ''or evaluate'' mining-related discharges for non-storm water discharges to make today's MSGP consistent with the 1995 MSGP.

Also in response to comments, the permit language in the final MSGP which defines the reclamation phase was modified to reflect post-mining land uses other than ''pre-mining state'' which had been in the proposed MSGP. In addition, the final MSGP has been clarified to indicate that sampling waivers in Part 5.3.1 of the MSGP do apply to Sector G.

C. Sector I—Oil and Gas Extraction and Refining

In response to a comment, the title for Sector I was changed to include ''Refining'' to clarify that runoff from refineries (except runoff subject to effluent limitations guidelines) is eligible for coverage under today's MSGP.

D. Sector J—Mineral Mining and Processing

EPA has re-evaluated the provisions of the 1995 MSGP for industrial facilities in Sector J to determine whether these provisions need to be updated for the reissued MSGP. To clarify the applicability of the MSGP regarding construction activity at mineral mining sites and to make mineral mining requirements consistent with metal mining provisions (Sector G), Sector J has been modified to indicate that earth-disturbing activities occurring in the ''exploration and construction phase'' of a mining operation must be covered under EPA's Construction General Permit (63 FR 7858, February 17, 1998) if the area disturbed is one acre or more. All mining exploration/construction operations of less than one acre must be covered under the MSGP–2000.

E. Sector K—Hazardous Waste Treatment, Storage or Disposal Facilities

EPA has re-evaluated the provisions of the 1995 MSGP for industrial facilities in Sector K to determine whether these provisions need to be updated for the reissued MSGP. On January 19, 2000 (65 FR 3008), EPA promulgated final effluent limitations guidelines (ELGs) for ''contaminated storm water discharges'' from new and existing hazardous landfill facilities regulated under RCRA Subtitle C at 40 CFR Parts 264 (Subpart N) and 265 (Subpart N), except for the following ''captive'' landfills:

(a) Landfills operated in conjunction with other industrial or commercial operations when the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;

(b) Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation or the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;

(c) Landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for discharge. A landfill directly associated with a CWT facility is subject to this part if the CWT facility discharges landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or

(d) Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.

For Sector K of the new MSGP, EPA has included the new ELGs (40 CFR Part 445 Subpart A) for hazardous landfill facilities.

The term ''contaminated storm water'' is defined in the ELGs as ''storm water which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater.'' [40 CFR 445.2]. Contaminated storm water may originate from areas at a landfill including (but not limited to): ''the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.'' [40 CFR 445.2].

The term ''non-contaminated storm water'' is defined in the ELGs as ''storm water which does not come in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater.'' [40 CFR 445.2]. Non-contaminated storm water includes storm water which ''flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.'' [40 CFR 445.2].

The term ''landfill wastewater'' is defined in the ELGs as ''all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated storm water, contaminated groundwater, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated storm water and contact washwater from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.''

The 1995 MSGP authorized discharges of storm water associated with industrial activity which includes contaminated storm water discharges (as defined above) as well as other non-contaminated storm water discharges (also defined above). Today's final MSGP continues to authorize storm water associated with industrial activity; however, for contaminated storm water discharges as defined above, the reissued MSGP requires compliance with the promulgated ELGs for such discharges (with monitoring once/year during each year of the term of the final MSGP). The ELGs for the new and existing hazardous landfills are found in Table K–1 below:

TABLE K–1—EFFLUENT LIMITATIONS GUIDELINES FOR CONTAMINATED STORM WATER DISCHARGES (MG/L)

Pollutant	Maximum for 1 day	Monthly average maximum
BOD5	220	56

TABLE K–1—EFFLUENT LIMITATIONS GUIDELINES FOR CONTAMINATED STORM WATER DISCHARGES (MG/L)—Continued

Pollutant	Maximum for 1 day	Monthly average maximum
TSS	88	27
Ammonia	10	4.9
Alpha Terpineol	0.042	0.019
Aniline	0.024	0.015
Benzoic Acid	0.119	0.073
Naphthalene	0.059	0.022
p-Cresol	0.024	0.015
Phenol	0.048	0.029
Pyridine	0.072	0.025
Arsenic (Total)	1.1	0.54
Chromium (Total)	1.1	0.46
Zinc (Total)	0.535	0.296
pH	Within the range of 6–9 pH units.	

Today's final MSGP (like the 1995 MSGP) does not authorize non-storm water discharges such as leachate and vehicle and equipment washwater. These and other landfill-generated wastewaters are subject to the ELGs. Today's final MSGP does, however, continue to authorize certain minor non-storm water discharges (listed in Part 1.2.2.2) which are very similar to the 1995 MSGP.

F. Sector L—Landfills, Land Application Sites and Open Dumps

EPA has re-evaluated the provisions of the 1995 MSGP for industrial facilities in Sector L to determine whether these provisions need to be updated for the reissued MSGP. The SWPPP requirements of the 1995 MSGP already include several special BMPs for this industry in addition to the MSGP's basic BMP requirements.

On January 19, 2000 (65 FR 3008), EPA promulgated final effluent limitations guidelines (ELGs) for ''contaminated storm water discharges'' from new and existing non-hazardous landfill facilities regulated under RCRA Subtitle D (40 CFR Part 445 Subpart B). For Sector L of today's MSGP, EPA has included the ELGs as they apply to facilities covered by this sector. For Sector L facilities, the ELGs apply to:

Municipal solid waste landfills regulated under RCRA Subtitle D at 40 CFR Part 258 and those landfills which are subject to the provisions of 40 CFR Part 257, except for any of the following ''captive'' landfills:

(a) Landfills operated in conjunction with other industrial or commercial operations when the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;

(b) Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation or the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;

(c) Landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for discharge. A landfill directly associated with a CWT facility is subject to this part if the CWT facility discharges landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or

(d) Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.

EPA has not modified Sector L for the discharges which are not subject to the ELGs. In addition, EPA would like to call attention to a new EPA publication entitled ''Guide for Industrial Waste Management'' (EPA 530–R–99–001, June, 1999) which provides a useful information resource for permittees in complying with the MSGP, and in minimizing the impact of landfills to the environment overall.

The term ''contaminated storm water'' is defined in the ELGs as ''storm water which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater.'' [40 CFR 445.2]. Contaminated storm water may originate from areas at a landfill including (but not limited to): ''the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.'' [40 CFR 445.2].

The term ''non-contaminated storm water'' is defined in the ELGs as ''storm water which does not come in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater.'' [40 CFR 445.2]. Non-contaminated storm water includes storm water which ''flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.'' [40 CFR 445.2].

The term ''landfill wastewater'' is defined in the ELGs as ''all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated storm water, contaminated groundwater, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated storm water and contact washwater from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.'' [40 CFR 445.2].

The 1995 MSGP authorized discharges of storm water associated with industrial activity from landfills including contaminated storm water discharges as defined in the ELGs as well as non-contaminated storm water. Today's final MSGP continues to authorize storm water associated with industrial activity; however, for contaminated storm water discharges as defined above, today's MSGP requires compliance with the promulgated ELGs for such discharges (with monitoring once/year during each year of the term of the final MSGP). The ELGs are found in Table L–1 below:

TABLE L–1—EFFLUENT LIMITATIONS GUIDELINES FOR CONTAMINATED STORM WATER DISCHARGES (MG/L)

Pollutant	Maximum for 1 Day	Monthly average maximum
BOD5	140	37
TSS	88	27
Ammonia	10	4.9
Alpha Terpineol	0.033	0.016
Benzoic Acid	0.12	0.071
p-Cresol	0.025	0.014
Phenol	0.026	0.015
Zinc (Total)	0.20	0.11
pH	within the range of 6–9 pH units.	

Today's final MSGP (like the 1995 MSGP) does not authorize non-storm water discharges such as leachate and vehicle and equipment washwater. These and other landfill-generated wastewaters are subject to the ELGs. Today's MSGP does, however, continue to authorize the same minor non-storm water discharges (listed in Part 1.2.2.2) as the 1995 MSGP.

G. Sector S—Air Transportation Facilities

EPA has re-evaluated the provisions of the 1995 MSGP for industrial facilities in Sector S to determine whether these provisions need to be updated for the reissued MSGP. The SWPPP requirements of the 1995 MSGP included several special BMP requirements for airports in addition to the MSGP's basic BMP requirements. Additional technologies have been developed since the original MSGP issuance for deicing operations which have been included in today's MSGP. A lengthy (but not comprehensive) list of new deicing chemical and BMP options is provided in Parts 6.S.5.3.6.2 and 6.S.5.3.7. More information on these options is found in the EPA publication ''Preliminary Data Summary, Airport Deicing Operations'' *(http://www.epa.gov/ost/guide/airport/index.html).*

The MSGP–2000 has been clarified such that compliance evaluations (Part 6.S.5.5) shall be conducted during a period when deicing activities are likely to occur (vs. a month when deicing activities would be atypical or during an extended heat wave), not necessarily during an actual storm or when intense deicing activities are occurring. This requirement is not seen as onerous, as EPA believes that most weather conditions can be reasonably anticipated and the evaluation can be planned for.

In addition, EPA has revised Part 6.S.5.4 to reflect that monthly inspections of deicing areas during the deicing season (e.g., October through April) are now allowed at airports with highly effective, rigorously implemented SWPPPs. This requirement is a reduction from the previous MSGP's weekly requirement. However, if unusually large amounts of deicing fluids are being applied, spilled or discharged, weekly inspections should be conducted and the Director may specifically require such weekly inspections. In addition, personnel who participate in deicing activities or work in these areas should, as the need arises, inform the monthly inspectors of any conditions or incidents constituting an environmental threat, especially those needing immediate attention.

H. Sector T—Treatment Works

EPA has re-evaluated the provisions of the 1995 MSGP for industrial facilities in Sector T to determine whether these provisions need to be updated for the reissued MSGP. The SWPPP requirements of the 1995 MSGP already include a few special BMP requirements for this industry in addition to the MSGP's basic BMP requirements. In reviewing the information which EPA has available on this industry, EPA has identified several additional areas at treatment works facilities which we believe should be considered more closely for potential storm water controls. As a result, EPA has included additional or modified permit requirements which we believe are appropriate to include in Sector T.

Today's MSGP requires that operators of Sector T treatment works include the following additional areas or activities, where they are exposed to precipitation, in their SWPPP site map, summary of potential pollutant sources, and inspections: grit, screenings and other solids handling, storage or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage and/or hauled waste receiving stations. An additional BMP that permittees must consider is routing storm water into the treatment works, or covering exposed materials from these additional areas or activities.

I. Sector Y—Rubber, Miscellaneous Plastic Products and Miscellaneous Manufacturing Industries

EPA has re-evaluated the provisions of the 1995 MSGP for industrial facilities in Sector Y. The 1995 MSGP included several special BMP requirements for rubber manufacturers to control zinc in storm water discharges. However, no special BMPs beyond the MSGP's basic SWPPP requirements were included in the 1995 MSGP for manufacturers of miscellaneous plastic products or miscellaneous manufacturing industries.

EPA has several ongoing programs directed toward identifying additional pollution prevention opportunities for different industrial sectors. For example, EPA's Office of Compliance has published ''sector notebooks'' for a number of industries, including the rubber and miscellaneous plastics industry (EPA 310-R–95–016). The sector notebooks are intended to facilitate a multi-media analysis of environmental issues associated with different industries and include a review of pollution prevention opportunities for the industries. As discussed below, EPA's sector notebook for the rubber and plastic products industry identifies a number of additional BMPs (beyond those in the 1995 MSGP) which could further reduce pollutants in storm water discharges from these facilities, and which have been included in the reissued MSGP.

1. Rubber Manufacturing Facilities

Today's MSGP requires that rubber manufacturing facility permittees consider the following additional BMPs (which were selected from those in the sector notebook) for the rubber product compounding and mixing area:

(1) consider the use of chemicals which are purchased in pre-weighed, sealed polyethylene bags. The sector notebook points out that some facilities place such bags directly into the banbury mixer, thereby eliminating a formerly dusty operation which could result in pollutants in storm water discharges.

(2) consider the use of containers which can be sealed for materials which are in use; also consider ensuring an airspace between the container and the cover to minimize ''puffing'' losses when the container is opened.

(3) consider the use of automatic dispensing and weighing equipment. The sector notebook observes that such equipment minimizes the chances for chemical losses due to spills.

2. Plastic Products Manufacturing Facilities

For plastic products manufacturing facilities, today's final MSGP requires that permittees consider and include (as appropriate) specific measures in the SWPPP to minimize loss of plastic resin pellets to the environment. These measures include (at a minimum) spill minimization, prompt and thorough cleanup of spills, employee education, thorough sweeping, pellet capture and disposal precautions. Additional specific guidance on minimizing loss can be found in the EPA publication entitled ''Plastic Pellets in the Aquatic Environment: Sources and Recommendations'' (EPA 842–B–92–010, December, 1992) and at the website of the Society of the Plastics Industry (www.socplas.org).

3. Industry-Sponsored Efforts

Both the rubber manufacturing and plastic products industries are also active in sponsoring studies designed to reduce the environmental impacts associated with the production, use and ultimate disposal of their products. However, in reviewing recent work in this regard, EPA has not identified any additional BMPs for storm water discharges which would be appropriate for the reissued MSGP. Therefore, only the additional BMPs noted above are included in the reissued MSGP for these industries.

IX. Summary of Responses to Comments on the Proposed MSGP

EPA received comments from 45 individuals in response to the proposed permit. A summary of the Agency's responses to those comments appears below. Responses to each comment is available from the Water Docket, whose address and hours of operation are listed in the introduction to this notice.

Section 1.2 Eligibility

Comment a: One commenter requested clarification on the responsibilities military bases, which resemble small municipalities, have with regard to non-industrial areas of the base. The commenter expressed concern that examples of co-located industrial activities in Section VI.B.3 of the fact sheet and Part 1.2.1.1 of the proposed permit could be interpreted to require coverage for all vehicle maintenance activities at a base, even those unrelated to an industrial activity. The commenter further noted that bases in urbanized areas would require base-wide storm water management programs anyway as Small Municipal Separate Storm Sewer Systems under Phase II of the Storm Water Program.

Response a: EPA agrees that municipalities and military or other governmental installations are only responsible for obtaining permits for storm water associated with industrial activity for those portions of their municipality or installations where they have a storm water discharge that is covered under the definition of ''storm water associated with industrial activity.'' Under this interpretation, even though a military base may choose to submit a single NOI for all industrial activities on the base, the SWPPP would only need to identify facilities/areas associated or not associated with industrial activities and that have a SWPPP covering the industrial activity areas. The SWPPP required under the MSGP would not need to address storm water controls for the non-industrial areas of the base. A note has been added to Part 4.1 (Storm Water Pollution Prevention Plans) of the permit to clarify the scope of the SWPPP.

Comment b: The proposed limitations on transfer of storm water discharges from a previous permit to the MSGP could result in undue restrictions. The commenter felt that there could be reasons, e.g., for consistent management of storm water across a site, etc. that either the permittee or the permitting authority would want to address all storm water at a facility under a general permit.

Response b: EPA has reconsidered the Part 1.2.3.3.2 restrictions and Part 1.2.3.3.2.1 of the proposed permit has been eliminated. Part 1.2.3.3.2.1 would only have allowed permittees to seek MSGP coverage for storm water discharges previously covered by another permit if that previous permit contained only storm water and eligible non-storm water (i.e., an individual permit for wastewater, etc. would no longer be required if coverage under the MSGP was allowed). EPA's review did identify some unintended consequences and unresolved issues that could result from this restriction.

A facility (including new facilities) that never had storm water discharges covered by an individual permit, or which was located where access to a municipal wastewater treatment plant for wastewater discharges was available, would have an opportunity for burden reduction that would not be available to a facility with even cleaner storm water that happened to have storm water discharges covered in a previous permit and could not eliminate their wastewater discharges. There could be cases were a smaller and ''cleaner'' facility would not be able to take advantage of the savings (e.g., individual permit application sampling is not required) the MSGP offered their competitors simply because they had a minor wastewater discharge that could not be eliminated.

While the main purpose of the proposed Part 1.2.3.3.2.1 restriction was to discourage dual permits at a facility, there are already many facilities that have permit coverage split between an individual permit and the MSGP and dual permit coverage would still be available in many cases anyway. Currently, some of these ''dual permit'' facilities have only wastewater under an individual permit and all their storm water discharges under the MSGP, while at others, the individual wastewater permit includes some of the storm water discharges, with the remaining storm water discharges covered by the MSGP. This ability to have split coverage in at least some situations is necessary to address situations where at least interim coverage under a general permit for a new storm water discharge is necessary or desirable from either the permittee's or the permitting authority's standpoint.

EPA has determined that the proposed restrictions in Part 1.2.3.3.2 relating to discharges for which a water quality-based limit had been developed and discharges at a facility for which a permit had been (or was in the process of being) either denied or revoked by the permitting authority were necessary to address the anti-backsliding requirements of the Clean Water Act or to ensure that discharges from a facility requiring the additional scrutiny of an individual permit application were not inadvertently allowed under the general permit. In any event, only those storm water discharges under the previous permit that met all other eligibility conditions of the MSGP could even be considered for transfer.

EPA periodically promulgates new effluent limitation guidelines, some of which, such as the those for landfills published February 2, 2000, contain storm water effluent limitation guidelines. Under Part 1.2.2.1.3 of the MSGP, a storm water discharge subject to a promulgated effluent limitation guideline is only eligible for coverage if that guideline is listed in Table 1–2. A new guideline promulgated during the term of the permit would thus alter the eligibility for the permit not only for new dischargers, but also for discharges already covered by the permit. In order to avoid the situation where a discharge would suddenly become ineligible upon promulgation of a new guideline, Part 1.2.2.1.3 has been modified to allow interim coverage under the permit where a storm water effluent guideline has been promulgated after the effective date of the permit, but the permit has not yet been modified to include the new guideline. This will allow continued coverage until the new storm water guideline could be added to the permit. Where the new guideline includes new source performance standards, ''new sources'' would need to comply with Part 1.2.4 prior to seeking permit coverage.

Section 1.4 Terminating Coverage

Comment: (Comment also addresses Section 11.1 Transfer of Permit Coverage) Several commenters viewed the submittal of an NOT by the old operator and the submittal of an NOI by the new operator in order to transfer permit coverage after a change in ownership as a new and overly burdensome requirement (Parts 1.4 and 11.1). An alternative suggested was a simple notice to the permit file of the ownership change.

Response: EPA has determined that the most effective method for accommodating and tracking a change in the owner/operator at a facility covered by the general permit is to have the old operator submit a Notice of Termination certifying that they are no longer the operator of the facility, and for the new operator to submit a Notice of Intent certifying their desire and eligibility to be covered by the general permit. In fact, this is not a new

requirement since the same process was required under the 1995 MSGP (see Part II.A.4 and Part XI.A at 60 FR 51113 and 51122, respectively). The only ''new'' aspect of the process is the 30 day timeframe for submittal of the NOT by the old operator and a clarification that simple name changes in a particular company (e.g., Jones Industrial Manufacturing, Co. changing to JIMCO) can be made with a simple update to the company's NOI and a NOT would not be required. Submittal of the NOT by the old operator documents that the old operator believes he no longer needs coverage under the MSGP for any storm water discharges. In addition, EPA is more able to maintain a cleaner database of facilities actually covered by the permit both currently and in the past. The NOI/NOT process for transfers under the general permit is thus essentially a streamlined parallel process to what would otherwise be required under 40 CFR 122.61.

The permit transfer procedures at 40 CFR 122.61 are designed to avoid the time delays and resource burdens associated with issuance of a new permit for a facility just because there is a new owner/operator. Under this process, transfer of the permit to the new owner/operator cannot be made without an actual permit modification (a lengthy process especially for general permits), unless the old operator submits a thirty day advance notice and a written agreement between the parties containing a specific date for transfer of permit responsibility, coverage, and liability between them.

The nature of a general permit is such that there is no actual permit issued to any individual facility, but rather that multiple dischargers are in effect ''registering'' their intent to use the discharge authority offered by the general permit to anyone who is eligible. This ''registration'' is accomplished by an operator's submittal of the Notice of Intent to be covered by the general permit as little as two days before they need permit coverage. In fact, regulations at 40 CFR 122.28(b)(2) specifically require submittal of an NOI in order for an operator to be authorized under a general permit for discharges of storm water associated with industrial activity. EPA thus views the requirements for the new operator to file an NOI as little as two days prior to the transfer and for the old operator to file an NOT within thirty days after the transfer to be less burdensome than the thirty day advance notice and written agreements that would otherwise be required under the permit transfer requirements of 40 CFR 122.61.

Section 1.5 Conditional Exclusion for No Exposure

Comment: EPA should insert the No Exposure Certification form and guidance within the permit since many facility operators are unaware of its existence.

Response: EPA has generated a document, ''Guidance Manual for Conditional Exclusion from Storm Water Permitting Based on ''No Exposure'' of Industrial Activities to Storm Water,'' and a separate no exposure announcement to help operators understand and apply for the conditional permitting exclusion. The guidance is available in hard copy from EPA's Water Resource Center. In addition, EPA also sent a mass mailing alerting all EPA permittees as well as stakeholder groups to the MSGP–2000 and the no exposure exclusion. To provide the No Exposure Certification in as many possible places, EPA is publishing the form and instructions as an addendum to the MSGP–2000.

Section 2.1 Notice of Intent (NOI) Deadlines

Comment: Commenters requested an extension of the 90 day timeframe for submission of their NOI to 270 days. Commenters said they needed the additional time to complete their Storm Water Pollution Prevention Plan (SWPPP), application for an alternate permit, or their endangered species consultation or adverse impact investigation. A commenter also requested clarification of coverage during the 90 days between this publication and their submission of their NOI.

Response: The fact sheet clarifies that SWPPPs are to be prepared at the time the NOI is submitted. Since most permittees are already covered under the current MSGP and have a requirement to update their SWPPP as the need arises, there is no basis for an automatic extension to 270 days. However, facilities may seek an extension up to 270 days to develop their SWPPP, or to obtain an alternate permit, on a case-by-case basis. Similarly, facilities can request an extension up to 270 days if they need to conduct an endangered species consultation or adverse impact investigation. Permittees covered under the current MSGP will continue to be covered during the next 90 days as long as they meet the conditions set forth in the 1995 MSGP.

Section 2.2 Contents of Notice of Intent (NOI)

Comment a: Clarify how to complete the NOI form in situations where an MS4 has industrial activities and is conveying the pollutants to its own storm drainage system.

Response a: The intent of Section 2.2.2.5 was to identify the municipal separate storm sewer system under the assumption that it would be under different ownership. If there is not a separate owner, this requirement is unnecessary. This section has been revised to clarify ''the name of the municipal operator if the discharge is through a municipal separate storm sewer system under separate ownership.''

Comment b: A commenter questioned whether EPA was requiring or encouraging permittees to consult FWS and NMFS in making its endangered species finding.

Response b: The facility is responsible for obtaining the threatened or endangered species list to make sure that listed specie or critical habitat is not located in or around the vicinity of your facility. That list may be obtained by phoning or mailing the FWS or NMFS, visiting EPA's website, or by some other means. Thus, the permittee is not required to contact the two agencies if he can meet his obligation in another manner.

Comment c: Do not include latitude/longitude information on the NOI.

Response c: EPA requires all regulated facilities to submit latitude and longitude information. The information is critical in overseeing compliance with endangered species assessments and coordinating compliance assistance and enforcement activities across media programs.

Section 2.3 Use of NOI Form

Comment a: Do not add check boxes related to NHPA and ESA compliance.

Response a: EPA believes the additional information improves the Agency's ability to oversee implementation of the permit and compliance with ESA and NHPA requirements. Because the permittee is already responsible for conducting the analysis, there is minimal additional burden associated with indicating on the NOI form how the analysis was conducted. Therefore, EPA intends to retain this requirement. The NOI form requires review by the Office of Management and Budget. Until the new form is approved, permittees should use the current form. EPA's ability to issue today's permit is contingent upon its compliance with ESA and NHPA; thus, provisions related to those statutes is part and parcel of today's permitting action.

Comment b: Commenters supported EPA's proposal to allow facilities to

submit NOIs, notices of termination, and discharge monitoring reports electronically. However, they cautioned that EPA continue to allow hard copy filing since not all permittees have internet access.

Response b: The final permit retains the requirement of paper filing for NOIs, NOTs, and DMRs. While EPA believes that electronic filing will be incorporated as an option in the future, it is currently not available.

Section 3.3 Compliance with Water Quality Standards

NPDES regulations at 40 CFR 122.44(d)(1)(i) require that the MSGP ensure compliance with State water quality standards for all discharges which ''will cause, have the reasonable potential to cause, or contribute'' to an exceedance of a State standard. With the wide variety of facilities to be permitted under the MSGP, EPA believes that reasonable potential to cause or contribute to exceedances of water quality standards is likely to exist at least for some facilities. Therefore the MSGP must include appropriate provisions to ensure compliance with State standards. For general permits, EPA's guidance document entitled ''General Permit Program Guidance'' (February, 1988) suggests an overall narrative statement requiring compliance with State standards to address the fact that the permit will cover a wide variety of facilities subject to different standards depending on their location. Part 3.3 of the proposed MSGP included a narrative statement in accordance with this guidance to ensure compliance with 40 CFR 122.44(d)(1)(i). Part 1.2.3.5 of the proposed MSGP also included an exclusion from permit coverage for facilities which EPA has determined may cause or contribute to violations of State standards. Commenters raised a number of concerns regarding the provisions of the proposed MSGP related to compliance with State standards. However, after review of the comments, EPA believes that the provisions of the proposed MSGP were appropriate and these provisions have been retained in the final MSGP. Following below are EPA responses to the specific issues raised by the commenters:

Lack of Coverage for Facilities With Reasonable Potential

Comment a: A commenter was puzzled by the exclusion from coverage in Part 1.2.3.5 of the proposed MSGP and requested additional explanation.

Response a: EPA believes that facilities which are shown to cause, or have the reasonable potential to cause or contribute to exceedances of State standards may be more appropriately permitted under individual permits or a separate general permit with alternate permit requirements designed to ensure compliance with State standards. This is the basis for the exclusion. Part 1.2.3.5 also provides, however, that MSGP coverage may be available if the control measures in the storm water pollution prevention plan (SWPPP) are sufficient to ensure compliance with State standards.

Comment b: Part 1.2.3.5 of the proposed MSGP could prove burdensome and could lead to permit backlogs depending on the extent of its use.

Response b: Given the large number of facilities covered by the MSGP, it is not practical for EPA to individually review the status of all facilities covered by the MSGP prior to submittal of the NOI. EPA has developed eligibility criteria for coverage under the MSGP–2000 which should, if applied appropriately by the facility operator, screen out facilities which have ''reasonable potential'' to exceed a state standard. In addition, where EPA determines there is a ''reasonable potential,'' the Director will require the facility to submit an individual permit or take other appropriate action.

Comment c: MSGP coverage should not be allowed until the absence of reasonable potential had been demonstrated by the discharger.

Response c: As noted above, EPA does not believe this is practical for all facilities given the large number of dischargers covered by the permit. Moreover, as discussed in EPA's ''Interim Permitting Policy for Water Quality-Based Effluent Limitations in Storm Water Permits'' (61 FR 43761, November 26, 1996), there will likely be circumstances where inadequate information is available to perform the reasonable potential analysis.

Are Discharges with Reasonable Potential a Permit Violation?

Comment d: Several commenters objected to Part 3.3 of the proposed MSGP which indicated that discharges which have occurred would be violations of the MSGP if they are later shown to have the reasonable potential to cause or contribute to exceedances of State standards.

Response d: EPA believes that such discharges are appropriately characterized by the MSGP as violations. The narrative statement in the MSGP requiring compliance with water quality standards in effect incorporates into the permit all numeric effluent limitations which are necessary to ensure compliance with State standards. When a discharge is shown to have reasonable potential, this implies that discharges are occurring which would exceed the permit limits needed to ensure compliance with State standards. Since the narrative statement incorporates all limits needed to ensure compliance with State standards, the discharges are appropriately characterized as violations of the permit.

Process for Terminating Coverage Under the MSGP

Comment e: Several commenters expressed concern regarding the process for terminating coverage under the MSGP and ensuring due process for dischargers to contest such actions by EPA.

Response e: EPA believes that the MSGP does ensure due process for dischargers. Part 9.12 of the MSGP provides that EPA may require an individual permit application from a discharger, or require the discharger to seek coverage under an alternate general permit. If an individual permit application were required, a draft permit would be prepared and a full opportunity would be provided to the discharger in accordance with 40 CFR Part 124 to comment on the draft permit and contest any final determination. Further, any alternate general permit would provide (in accordance with 40 CFR 122.28(b)(3)(iii)) that the discharger could seek coverage under an individual permit rather than the alternate general permit. Such a request would also be processed in accordance with the procedures at 40 CFR Part 124.

Comment f: A number of commenters also asked whether a notice of violation of Part 3.3 of the MSGP for violations of State water quality standards would be in writing.

Response f: Dischargers would be notified in writing by EPA of any violation of Part 3.3.

Permit as a Shield Concerns

Comment g: Section 402(k) of the Clean Water Act shields permittees from the requirements of Part 3.3 of the MSGP to comply with water quality standards.

Response g: EPA disagrees with the commenters on this matter. Section 402(k) provides that compliance with an NPDES permit is considered to be compliance, for purposes of section 309 and 505 enforcement, with sections 301, 302, 306, 307 and 403 of the Clean Water Act. However, the violations which are envisioned by Part 3.3 of the MSGP would be violations of an NPDES permit itself, *i.e.*, the water quality-based effluent limitations which are

incorporated into the MSGP by virtue of the narrative statement. Section 402(k) does not provide a shield for such violations.

Concerns about Applying State Water Quality Standards to Storm Water

Comment h: Water quality standards cannot apply to storm water discharges since special wet weather standards have not been developed to address episodic events.

Response h: EPA disagrees that State water quality standards cannot apply in the absence of special wet weather standards. Section 402(p)(3)(A) of the Clean Water Act specifically requires that industrial storm water dischargers comply with State water quality standards. EPA has recognized, however, the difficulties in developing appropriate water quality-based effluent limitations for storm water discharges. In response to concerns such as those raised by the commenter, EPA has developed an ''Interim Permitting Policy for Water Quality-Based Effluent Limitations in Storm Water Permits' (61 FR 43761, November 26, 1996). Where numeric water quality-based effluent limitations are infeasible (due for example to inadequate information on which to base the limitations), best management practices (BMPs) such as those in the SWPPP would serve as the water quality-based effluent limitations.

Comment i: Clarify whether mixing zones would apply to the storm water discharges.

Response i: Mixing zones would apply to the extent that State water quality standards provide for their use.

Required Actions if Violations of Standards Occur

Comment j: A commenter was unclear concerning the modifications of the SWPPP that would be required by Part 3.3 of the MSGP if violations of State water quality standards occur.

Response j: The SWPPP must be modified to include additional BMPs to the extent necessary to prevent future violations.

Comment k: Clarify who would determine the additional control measures that would be required by Part 3.3 of the MSGP.

Response k: The discharger would at least initially be responsible for determining the additional control measures. However, Part 4.10 of the MSGP also provides that EPA may require modifications of the SWPPP if it proves to be inadequate.

Can a Reasonable Potential Analysis Occur at Any Time During the Permit Term?

Comment l: Part 3.3 of the MSGP should not require a reasonable potential analysis at any time during the term of the permit.

Response l: The information to support a reasonable potential determination would be based on additional information that becomes available concerning a particular discharge (from monitoring results, for example). As such, the permit appropriately provides that a reasonable potential analysis (possibly leading to an individual permit or separate general permit) may be required at such a time.

Comment m: Discharges of a pollutant which increase during the term of the permit should not be considered a permit violation.

Response m: EPA disagrees with the commenter on this issue. The narrative statement in Part 3.3 of the MSGP requires that dischargers comply with all State water quality standards throughout the term of the permit. Dischargers must ensure that, if there are increases in the discharges of a particular pollutant, the increases are not sufficient to cause or contribute to exceedances of water quality standards.

Questions Regarding the Benchmark Concentrations

Comment n: Part 3.3 of the proposed MSGP would undermine EPA's use of the benchmark values in the MSGP.

Response n: EPA disagrees with the commenters in this regard. The benchmark values are concentrations which are used to evaluate whether a generally effective SWPPP is being implemented. The SWPPP is required to ensure compliance with the technology-based discharge requirements of the Clean Water Act. Exceedance of a benchmark value is not a permit violation. However, if a permittee complies with the benchmarks, the permittee is eligible for the monitoring waiver in year 4 of the term of the permit and this provides an incentive to implement an effective SWPPP. Part 3.3 of the MSGP is required to ensure compliance with the water quality-based requirements of the Clean Water Act, which are in addition to the technology-based requirements. Part 3.3 of the MSGP does not undermine the benchmarks. Part 3.3 is simply a separate requirement of the Clean Water Act which must be included in the permit in addition to the technology-based requirements.

General Comment on Water Quality Standards Requirements

Comment o: One commenter lodged a general objection to Part 3.3 of the proposed MSGP, but did not elaborate on specific concerns.

Response o: As discussed above, EPA believes that Part 3.3 is appropriate and necessary to ensure compliance with State water quality standards. As such, Part 3.3 was retained in the final MSGP.

Section 4.1 Storm Water Pollution Prevention Plan (SWPPP) Requirements

Comment a: EPA should not measure progress solely on the number of BMPs applied.

Response a: As stated, EPA's intention in requiring the comprehensive site compliance evaluation is to determine the effectiveness of BMPs in use at the site, and to assess compliance with the terms and conditions of the permit. Additional new BMPs are not prescribed as part of this requirement; the options to include BMPs to replace those which are not working appropriately, or to augment existing BMPs to ensure better performance, rests solely with the facility operator, based on the findings of the compliance evaluation.

Comment b: Clarify the frequency of training required.

Response b: Some industrial sectors covered by this permit are required to provide training at least once per year. In other sectors, it is left to the discretion of the operator. EPA's fact sheet recommends that facilities conduct employee training annually at a minimum, and acknowledges that, for some facilities, a more frequent training schedule may be appropriate to ensure that personnel at all levels of responsibility are informed of the components and goals of the site's SWPPP.

Comment c: Clarify the term ''locally available.''

Response c: EPA intends the term ''locally available'' to mean a facility office which need not actually be located on-site, but co-located with other facility operations. It is not necessary for a permittee to maintain a local presence near an unstaffed site for the purposes of maintaining availability of the SWPPP.

Comment d: Fourteen days is an unrealistic timeframe for modifying a SWPPP in response to a discharge of a reportable quantity of oil.

Response d: EPA does not consider the requirement to revise the SWPPP within 14 days after a discharge of a reportable quantity of oil to be unrealistic. Changes to accommodate a

description of the release, date and circumstances of the release, as well as a description of the actions taken to address the problem and any necessary changes to the BMPs to prevent future releases are inherently necessary to prevent water quality degradation.

Comment e: It is standard practice to keep a copy of their SWPPPs with their permit and, therefore, there is no objection to this requirement.

Response e: EPA acknowledges that many industrial facilities already keep a copy of the storm water permit with their SWPPP, and the Agency is formalizing that practice as a requirement of the permit for all facilities.

Section 4.2 Contents of Plan

Comment a: A commenter believed EPA was requiring velocity dissipation devices to minimize erosion due to flow velocity.

Response a: EPA's intention is to require facilities to evaluate the need for velocity dissipation devices where it is necessary to minimize erosion due to flow velocity. Facilities should use their best judgment when considering if velocity dissipation devices are needed. The language in the permit has been clarified.

Comment b: Specify a set of minimum management practices for coverage under the permit.

Response b: Due to the variety of industries covered by the Multi-Sector General Permit, there is no ''minimum'' list of best management practices that would suitably address the multiple situations found at different industrial sites. EPA considers it sufficient to outline minimum criteria that each facility operator must consider to minimize discharges from their property, and allow facility operators to identify and implement BMPs that are appropriate for their site.

Comment c: Do not require the SWPPP to identify oil spills or leaks below reportable quantities. Only those sites that have not been cleaned up to appropriate levels should be included in the site description and shown on the site map.

Comment d: EPA has not changed the basic intent of this permit requirement: a facility must keep a record of significant spills or leaks of both hazardous substances or oil and, for releases in excess of reportable quantities under 40 CFR Parts 117 or 302, revise its pollution prevention plan as necessary to prevent the reoccurrence of such releases. A spill or leak may not meet the threshold of a ''reportable quantity'' but may still be sufficiently significant to cause water quality impairment, and therefore should be acknowledged and mitigated by the permittee. EPA does not intend that ''reportable quantity'' defines the minimum amount of a substance which should be appropriately managed. In regards to including previous spill and/or leak areas in the site map and associated descriptions, the Agency views the inclusion of all areas where spills have occurred over the last three years from the date of NOI submittal as important information which may be useful in assessing future risks.

Comment d: The provision prohibiting discharge of ''solid materials'' is too broad and should be eliminated.

Response d: EPA intends the reference to ''solid materials, including floating debris'' and ''Off-site tracking of raw, final, or waste materials or sediment, and the generation of dust'' as having the generally accepted plain language meanings, and that facility operators should use their best professional judgment in applying this requirement to their discharge. The reference is not necessarily meant to apply in particular to suspended soil. EPA has purposefully allowed for reasonable flexibility in allowing each facility to determine whether ''solid materials,'' ''floating debris'' and/or ''dust'' are a component of their storm water discharge. The Agency acknowledges that many areas have state or local ordinances prohibiting the off-site tracking and generation of dust; therefore, this requirement does not pose a hardship on facility operators. While not prohibiting the discharge of waters containing soils, the permit still requires that discharges must comply with state/local water quality standards.

Comment e: The requirement for ''routine inspections'' and ''records of inspections'' are too broad.

Response e: EPA acknowledges that most industrial facilities conduct regular inspections of plant conditions. As discussed in Part 4.2.7.1.5 of the permit, facility operators must explicitly outline in the SWPPP the frequency of regular inspections at their facility which will incorporate inspections of industrial activities or materials that are exposed to storm water. Records of these specific storm water inspections, along with records of any followup actions taken as a result of these inspections, must be kept with the SWPPP. This facility-specific schedule of periodic inspections is what EPA is referring to as ''routine facility inspections.''

Comment f: An evaluation of groundwater impacts or concerns is beyond the scope of a stormwater pollution prevention plan.

Response f: In some cases, groundwater beneath a facility may be hydrologically connected to surface waters. EPA's intent for including an evaluation of impacts to groundwater when considering appropriate BMPs is to ensure that facility operators are fully cognizant of the hydrology of their area, and have evaluated any appropriate BMPs in the event that such a situation exists for their property. If there are no possible impacts to groundwater, this fact should be acknowledged in the SWPPP.

Section 4.4 Non-Storm Water Discharges

Comment a: Include swimming pool discharges as an allowable storm water discharge.

Response a: EPA does not include swimming pool discharge as an allowable non-storm water discharge in the Multi-Sector General Permit, as this is a general permit to cover storm water discharges from industrial activity. The Agency is unclear as to how many industrial facilities have swimming pools that would necessitate this specific exemption. The inclusion of nonchlorinated swimming pool discharges as an allowable non-storm water discharge will be better suited to the upcoming EPA Small Multiple Separate Storm Sewer General Permit, which will be available by December 2002.

Comment b: The permit should allow for case-by-case determinations for inclusion of de minimus non stormwater sources.

Response b: By its very nature, a general permit is meant to cover many similar discharges from a variety of similar sources. Case-by-case determinations for de minimus non-stormwater discharges would be extremely time-intensive, and it is not possible to provide for such individual determinations in the context of a general permit. Specific examples of de minimus discharges were not provided by the commenter; therefore, the Agency is not inclined to include such a provision at this time.

Comment c: Delete ''drinking fountain water:'' from Section 1.2.2.2.3 and cite only ''potable water including water line flushings.''

Response c: EPA agrees with the issues presented by the commenter, and that the term ''drinking fountain water,'' in itself, is imprecise. Both the draft MSGP fact sheet and permit specifically authorize potable water as an allowable non-storm water discharge. The

''drinking fountain water'' language has been deleted.

Section 4.7 Copy of Permit Requirements

Comment: Recommend electronic website access in lieu of paper copy of permit.

Response: The new requirement that a hard copy of the Multi-Sector General Permit be kept with a facility's Storm Water Pollution Prevention Plan is intended to ensure that the permit requirements are easily and readily available to all facility staff who are or may be responsible for implementing the provisions of the permit. Internet access may not be available to staff in all situations; therefore, for ease of reference, EPA is requiring that at least one copy of the permit be retained along with the SWPPP. The sections referring to EPA's acceptance of the electronic medium is contingent, in both cases cited by the commenter, upon the future viability of electronic submittal of NOIs and DMRs to the Agency.

Section 4.9 Timeline

Comment a: The fact sheet and permit need to provide consistent timeframes for SWPPP revisions.

Response a: The fact sheet and permit language were consistent on revising the SWPPP within 14 days of the site evaluation, but were somewhat confusing on how long the permittee had to implement the revisions. To clarify this time period, EPA has revised Part 4.9.3 of the permit to state: ''If existing BMPs need to be modified or if additional BMPs are necessary, implementation must be completed before the next anticipated storm event, or not more than 12 weeks after completion of the comprehensive site evaluation.''

Comment b: Thirty days to correct deficiencies in the SWPPP following notification by the Director is insufficient.

Response b: EPA intends for corrections to the Storm Water Pollution Prevention Plan to be accomplished in a timely manner, particularly when deficiencies are identified formally by the Director. The Agency feels that thirty days, as outlined in the existing permit language, is a reasonable amount of time for such changes to be made; if revisions are significant, the permittee may request, and the Director can provide, additional time for revisions to be accomplished.

Comment c: Fourteen days to modify a SWPPP is insufficient.

Response c: The Agency feels that revising the Storm Water Pollution Prevention Plan appropriately to address deficiencies within 14 days is a reasonable timeframe in which to address changes administratively; additional time is provided to actually put those revisions into place.

Comment d: The SWPPP must be completed and in place prior to issuance of the permit.

Response d: Part 4.1 of the permit states that a SWPPP must be prepared for the facility before submitting a Notice of Intent for permit coverage. EPA's issuance of the MSGP–2000 does not automatically confer coverage to permittees; therefore, EPA feels the requirement that a site-specific SWPPP be in place for the facility operations prior to seeking coverage by way of the submittal of a NOI is sufficient to prevent environmental degradation.

Section 4.12 Additional Requirement: EPCRA Section 313 Reporting

Comment: Many commenters supported removal of EPCRA Section 313 reporting requirements from the permit. Two commenters objected to identifying areas with pollutants that must be reported under EPCRA Section 313 and to develop appropriate storm water controls for these areas.

Response: EPA acknowledges the general support for revisions to this section. The intent of these modifications is to eliminate the redundant requirements of the existing MSGP for permittees subject to reporting requirements under Section 313 of EPCRA, which includes the 20+ categories of Toxic Release Inventory chemicals. The Agency believes that the MSGP–2000 places no additional burden on facility operators with TRI chemicals. Identification of EPCRA 313 chemicals in the SWPPP acknowledges that these chemicals are pollutants of concern. Facilities with any of these pollutants need to develop appropriate storm water controls to contain them. As noted in the fact sheet, EPA believes these concerns have been addressed through existing state and federal requirements which can be referenced in the SWPPP.

Section 4.13 Public Availability for Review

Comment a: The public should be able to obtain access to and comment upon a SWPPP and ''no exposure'' claim before they are finalized.

Response a: EPA has, in response to this comment, included a provision in the final permit requiring facility operators to make a hard copy of their SWPPP available to the public when requested in writing. EPA believes this requirement is an acceptable compromise between the facility operator's concerns about having members of the public at their site and the need of the public to understand potential impacts on their environment. EPA does not receive SWPPPs routinely, and, therefore, cannot make them available at its offices or provide them to local government offices. As with the previous MSGP, members of the public have the option of contacting the NOI Center or the Regional EPA Storm Water Coordinators directly to inquire about a facility's permit status.

EPA does not intend to require public comment on SWPPPs, nor require public hearings, because SWPPPs are intended to be modified as necessary to address changes at the facility or when periodic inspections indicate that a portion of the SWPPP is proving to be ineffective. Requirements for public comment and public hearings would delay needed modifications to, not to mention development of, the SWPPP, be burdensome and serve as disincentives to plan updates.

At any time the Agency can conclude that a facility is no longer eligible for coverage under a general permit and require the facility to apply for a general permit. In that event, there would be significant opportunity for public input in the decision-making process.

Comment b: The following should be available in paper copy and on the web: NOI, SWPPP, and ''no exposure'' certification.

Response b: EPA has found that having a central location for processing NOIs is an efficient and effective way of managing the tremendous amount of data which the Storm Water program generates. Very shortly, members of the public will be able to access information from the NOI database online. The NOI database contains facility information, including the type of industrial activity taking place, facility contact information, and receiving water body information. Also available online will be information on facilities that have submitted ''no exposure certifications.'' Regarding SWPPPs, EPA does not receive them routinely and, therefore, cannot make them available on-line. EPA has, in response to this comment, included a provision in the final permit requiring facility operators to make a hard copy of their SWPPP available to the public when requested in writing. EPA believes this requirement is an acceptable compromise between the facility operator's concerns about having members of the public at their site and the need of the public to understand potential impacts on their environment.

Section 5.1 Types of Monitoring Requirements and Limitations

Comment a: A commenter requested language clarification for the first paragraph under Part 5.1, Quarterly Visual Monitoring.

Response a: Quarterly visual monitoring is required for all permittees covered under the MSGP. The visual inspection must cover all outfalls at the facility from which there are storm water discharges associated with industrial activity.

Comment b: A commenter indicated that Part 5.1.1.4 was clear regarding the visual monitoring waiver for inactive and unstaffed sites. However, it was unclear if a similar waiver for benchmark monitoring applies to inactive and unstaffed sites.

Response b: EPA has clarified in Part 5 that a permittee may exercise a waiver for benchmark monitoring at unstaffed and inactive sites.

Section 5.3 General Monitoring Waivers

Comment a: Commenters supported the adverse sampling condition waiver, as long as the permittee doubles sampling during the next event or eliminates the substitute sampling requirement for areas with extended frozen conditions.

Response a: EPA has decided to keep this temporary waiver, since the main purpose of this specific waiver is to allow the permittees the opportunity to take samples under no adverse nor threatening weather conditions.

Comment b: Allow permittees to waive benchmark monitoring in years 2 and 4 of the MSGP–2000 with the result of the 1995–MSGP; waive difficult logistical conditions or location access similar to those for unstaffed/inactive facilities; and impractical sample collection at large facilities.

Response b: Under Section 402 of the CWA, EPA is required to issue permits which apply and ensure compliance with any applicable requirements of sections 301, 302, 306, 307, and 403. Since these permits are issued with fixed terms not exceeding five (5) years, EPA needs to ensure that permittees continue to comply with applicable requirements. EPA believes that benchmark monitoring is not overly burdensome and provides useful information to the permittee and the Agency. Therefore, EPA will require permittees covered under the reissued MSGP to ensure continued compliance with permit conditions and requirements. In addition, EPA has determined that the general monitoring waivers provided in the previous permit are adequate, and that additional waivers are not needed. With regard to problems facilities encounter when monitoring their storm water discharges, such as difficult logistical conditions, access to discharge locations or impractical sample collection at large facilities, EPA recommends permittees review the ''NPDES Storm Water Sampling Guidance Document'' which suggest solutions to these sampling problems.

Section 6.E Sector E—Glass, Clay, Cement, Concrete and Gypsum Products

Comment a: Separate the concrete pipe manufacturing from the cement, ready mixed and concrete block manufacturing sector.

Response a: Based on the characterization of the concrete pipe manufacturing industry and the cement, ready mixed and concrete block manufacturing industry, EPA has determined that the two industries are similar and, thus, has retained the industrial sectors as described in the 1995 permit.

Comment b: Section 6.E.3.1 of the draft permit was not reflective of the September 30, 1998 modification.

Response b: The commenter is correct. The final permit has been changed to reflect the September 30, 1998 modification which removed the limitations of coverage for various industries. Paragraph 6.E.3 has been removed and the remaining paragraphs have been renumbered accordingly.

Section 6.F Sector F—Primary Metals

Comment a: Do not propose any new BMPs for the steel industry in the MSGP–2000.

Response a: Similarly to the 1995 MSGP, the MSGP–2000 prefers the implementation of structural and non-structural BMPs for stormwater management from Primary Metals facilities. It is up to the individual operators to decide which BMPs most effectively meet their needs. This does not preclude the use of additional or new technologies should they be found to be more effective in any given application.

Comment b: The BMPs provided at Parts 6.F.3.2 and 6.F.3.3 omit the most obvious qualifier, which is that inventories of exposed material and housekeeping should be mandated by the MSGP only where the exposed materials have a potential to contact storm water that is discharged from a point source to a water of the United States. In many cases, the types of materials and activities discussed in the above referenced parts occur in areas where precipitation is collected and contained, and is not discharged. Thus, site inventories and BAT practices discussed in these parts are not relevant except in areas where they affect storm water discharges authorized by the MSGP. Parts 6.F.3.2 and 6.F.3.3 should be clarified (similarly to Part 6.F.3.1) with a statement that these activities are required only in areas where such activities could result in a discharge of pollutants to waters of the United States.

Response b: One of the underlying premises of the MSGP is that if there is a potential for contact between storm water and environmental contaminants, then the facility should apply for coverage under the MSGP. If there is no potential for contact, the facility may be able to submit a ''no exposure'' certification form, and not be required to obtain permit coverage. Where there is a potential for contact between storm water and industrial activities and/or materials, then the operator needs to obtain permit coverage and take appropriate measures to mitigate the discharge of pollutants.

Comment c: Part 6.F.3.4 includes a requirement for inspections performed under the 2000–MSGP to, among other things, evaluate air pollution control equipment. This activity does not belong under the MSGP. It is a Clean Air Act requirement and an activity performed under each facility's Clean Air Act permit. Such inspections under the MSGP are redundant, inappropriate and extend EPA's CWA authority into the CAA. Inspections of air pollution control equipment should not be a component of any SWPPP or compliance certification under the CWA.

Response c: EPA understands why inspection requirements which routinely fall under the purview of one environmental program (in this case the Air Program) would appear inappropriate under another environmental program (in this case the Water Program). However, if one looks at the potential sources of pollution at primary metals facilities, one will soon discover that one of the principal sources of contamination is from the air pollution control devices. The purpose of the storm water regulations is to keep storm water from coming into contact with any contaminants, regardless of the environmental media from which it arose. If inspections are routinely conducted at a facility pursuant to one environmental statute, that same inspection will generally be accepted by another program. For example, if the facility routinely inspects its air pollution control devices as a requirement of its CAA permit, that

same inspection, with the possibility of a few additional observations, *e.g.,* to see if there is any evidence of run off, should also be accepted as part of the SWPPP. The SWPPP can cross reference inspection protocols for the CAA permit. Thus, EPA does not agree with the commenter that these requirements are either redundant, inappropriate or extend EPA authority.

Section 6.G. Sector G —Metal Mining (Ore Mining and Dressing)

Comment a: Include Table G–4, published in the August 7, 1998 modifications, in MSGP–2000. Also, table titles in this section are confusing since they appear to imply that effluent guideline limitations apply to waste rock and overburden piles.

Response a: We have included the revised table G–4 from the August 7, 1998 modification in the fact sheet for today's permit. The titles of tables G–1 and G–2 are consistent with the titles in the other sectors of the final permit. All monitoring tables in Part 6 of the permit are titled ''SECTOR–SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING.'' The Agency doesn't not believe that this title is misleading because each table contains a column labeled ''Numeric Limitation'' which either contains a numerical value or is blank. For those Sectors where there are no values listed in the numeric limitation column it is clear that numeric limitations do not apply. EPA recognizes that benchmark concentrations are not effluent limitations and is provided specific language in the permit to that effect.

Comment b: The commenter opposes EPA's disallowance of sampling waivers from monitoring requirements for waste rock and overburden piles. Another commenter argued that another waiver based on ''not present or no exposure'' had also been deleted. A third commenter noted that monitoring requirements were also inconsistent with the 1998 permit modifications.

Response b: The restriction on sampling waivers was not intended to exclude the ''Adverse Climatic Conditions Waiver'' in Part 5.3.1 of the permit. The final permit has been revised to correct this error. Also, Part 6.G.7.2 has been modified to reflect that the monitoring requirements only apply to discharges from active ore mining and dressing facilities and that these requirements remain unchanged from the 1998 permit modification. The second waiver in Part 5.3 which is based on ''not present or no exposure'' was not part of the August 1998 notice, and was not intended for sector G facilities.

Comment c: The limitation on coverage for adit drainage and contaminated springs or seeps should be modified to exclude only those that do not result from precipitation events. The proposed Certification of Discharge language is confusing since it implies an obligation for testing or evaluation of mining-related discharges that are composed entirely of non-storm water covered by an NPDES permit.

Response c: Adit drainage and contaminated springs and seeps are discharges that originate below the surface of the ground. Often they discharge during dry periods and, while in some instances these flows may increase in response to a storm event, they may continue to flow well after the precipitation has ended. Therefore, EPA has determined that the restriction (*i.e.,* prohibition) for MSGP coverage of discharges from adit drainage, contaminated springs and seeps should remain as proposed.

The ''Certification of Discharge Testing'' language has been modified to clarify that certification must be provided to show that any mining-related discharge has been ''tested or evaluated for the presence of non-storm water discharges.'' Additional wording has been added to Part 6.G.6.1.6.6 to make it consistent with the language in the 1995 MSGP.

Comment d: Provide guidance in Section 6.G.6.1.6.6 on what type of test should be performed.

Response d: The language has been modified to allow for a certification based on ''tested or evaluated'' information. Additional wording has been added to Part 6.G.6.1.6.6 to make it consistent with the language in the 1995 MSGP.

Comment e: The definition of ''reclamation phase'' is inconsistent with most state programs.

Response e: The definition of the three general phases of mining was taken from the fact sheet to the 1995 MSGP. The intent was to recognize that ''mining'' is comprised of several distinct activities, not to set a standard for each phase. EPA acknowledges that reclamation requirements are typically set by state programs, and therefore the permit language defining the reclamation phase has been modified to reflect other post-mining land uses.

Comment f: In reformatting the permit language, EPA introduced new requirements which are inconsistent with the settlement EPA reached with NMA in 1998.

Response f: The draft MSGP–2000 intended to incorporate all the requirements from the 1998 notice resulting from the settlement with NMA. However, in making the changes and converting to a more ''readable'' format some unintended errors occurred. The revisions to the monitoring requirements have been made so the final permit language is consistent with the 1998 **Federal Register** publication (63 FR 42534, Aug 7, 1998).

Comment g: Delete the phrase ''directly or indirectly'' from coverage of ''storm water discharges that have come into contact (directly or indirectly) with any overburden, raw material, intermediate product* * *'' since it is inconsistent with prior versions of the permit.

Response g: The storm water regulations (Section 122.25(b)(14)(iii)) require permit coverage for ''facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products* * *'' When revisions were made to the draft MSGP 2000 language to make the permit more ''readable,'' some of the words were changed. In order to be consistent with the storm water regulations, the permit language has been revised. The words ''come into contact (directly or indirectly)'' have been deleted and replaced with ''contaminated by contact or that has come into contact.''

Comment h: EPA was incorrect in stating that all facilities permitted in this sector are ''no discharge'' facilities.

Response h: The monitoring discussion in the Fact Sheet to the permit is a summary of the data available at the time the draft permit was published for public comment. The main focus of the summary was on data from the second year of permit coverage. Of those sector G facilities that submitted information in year 2 of the permit none of them reported a discharge. The 1998 MSGP modification which reflected the settlement with NMA and added monitoring requirements for sector G was much later in the permit term. The final fact sheet language has been changed to recognize the later data and discharge status of sector G facilities covered by the permit.

Comment i: Water technically qualifying as mine drainage but which meets all applicable surface water quality standards should be approved for use in lieu of fresh water for dust control on roads at mine sites.

Response i: The quality of the mine drainage can change from source to source and over time within the same mine. The MSGP would need to specify a process (*e.g.,* monitoring frequency) to ensure that the quality of the mine

drainage is protective of water quality. This type of facility specific considerations and potential monitoring requirements would be better addressed under an individual permit issued to the facility.

Sections 6.G and 6.J Construction Requirements for Sector G—Metal Mining and Sector J—Mineral Mining

Comment a: Commenters questioned why EPA was requiring coverage under a construction general permit for earth disturbing activities during the ''exploration and construction phase'' of a mining operation.

Response a: This requirement was originally contained in the 1995 MSGP Fact Sheet for Sector J (it was inadvertently not duplicated in the metal and coal mining [Sector G] sectors). It therefore represents a clarification or technical correction to the original MSGP. To clarify the applicability of the MSGP regarding construction activity at metal mining sites and to make metal mining requirements consistent with mineral mining provisions (Sector J), Sector G has been modified to indicate that earth-disturbing activities occurring in the ''exploration and construction phase'' of a mining operation must be covered under EPA's Construction General Permit (63 FR 7858, February 17, 1998) or under an individual permit if the area disturbed is one acre or more. Earth-disturbing activities during exploration/construction affecting less than one acre must be covered under the MSGP–2000. If permittees then opt to actively mine the site they are required to transition to the MSGP–2000 (they should terminate their coverage under the CGP, but there is no requirement to do so). This procedure removes commenters' ''dual-permit requirement'' fear. Once in the active phase, any subsequent mine enlargement would be covered under the MSGP–2000. All phases of a mining operation must be covered which includes the ''reclamation phase.'' EPA believes the appropriate level of environmental protection for initial land-disturbing mining activities is a construction permit. SWPPP requirements under a construction permit are more effective for the often temporary conditions found during the initial phase versus that which would be appropriate for a more permanent mining operation. Many of the BMPs and other SWPPP requirements of the Construction General Permit could be incorporated in the MSGP–2000 SWPPP, thereby minimizing any duplicative efforts.

Comment b: For Sector J for Region 9, the proposed MSGP only authorized mine dewatering discharges from crushed stone, construction sand and gravel, and industrial sand mines in Arizona. For Regions 1, 2, 6, and 10, coverage was proposed throughout the areas of these regions covered by the MSGP. Expressions of interest in MSGP coverage for these discharges have been received for other areas, such as Indian country in Nevada and California.

Response b: For consistency with the other regions, coverage for the discharges has been extended throughout the areas of Regions 3, 8 and 9 covered by the permit, provided the dischargers meet all other permit eligibility requirements.

Section 6.I Sector I—Oil and Gas Extraction

Comment: One commenter expressed concern that while refineries were covered under Sector I—Oil and Gas Extraction, refining was not usually considered ''oil and gas extraction'' and the title of Sector I could thus cause refinery operators to overlook permit conditions that could apply to them.

Response: EPA welcomes this suggestion to make the permit easier to use and the title for Sector I has been changed to ''Oil and Gas Extraction and Refining'' in Table 1–1 and in Part 6.I. Note however, that any storm water at a refinery that is subject to storm water effluent limitation guidelines at 40 CFR 419 is not eligible for permit coverage.

Section 6.R Sector R—Ship and Boat Building or Repair Yards

Comment: One commenter requested that the provisions of part 6.R.4.3.1. be clarified to note that pressure washing to remove paint would require a separate NPDES permit.

Response: EPA agrees that if pressure washing occurs to remove paint, the discharge of that wash water would require separate NPDES permit coverage. EPA also intends for the discharge of wash waters removing marine growth to be permitted separately. The source of the discharge is not storm water and, as a general rule, the MSGP only authorizes the discharge of storm water. The non-storm water discharges that are authorized by the MSGP are a specific list found in Part 1.2.2.2. of the permit and the list does not include pressure wash waters.

Section 6.S Sector S—Air Transportation

Comment: Commenters had concerns regarding the execution of site compliance evaluations and inspections of deicing areas. They also requested EPA to limit the inspection obligation to once per month during periods of deicing operations.

Response: The MSGP–2000 has been clarified to state that compliance evaluations shall be conducted during a period when deicing activities are likely to occur (vs. a month when deicing activities would be atypical or during an extended heat wave), not necessarily during an actual storm or when intense deicing activities are occurring. This requirement is not seen as onerous, as EPA believes that most weather conditions can be reasonably anticipated and the evaluation can be planned for. EPA generally agrees that regularly scheduled, monthly inspections of deicing areas during the deicing season (*e.g.,* October through April) are sufficient at airports with highly effective, rigorously implemented SWPPPs. However, if unusually large amounts of deicing fluids are being applied, spilled or discharged, weekly inspections should be conducted and the Director may specifically require such weekly inspections. In addition, personnel who participate in deicing activities or work in these areas should, as the need arises, inform the monthly inspectors of any conditions or incidents constituting an environmental threat, especially those needing immediate attention. EPA requires permittees to record, to the best of their ability, the quantity of all deicing chemicals applied on a monthly basis (not just glycols and urea, *e.g.,* potassium acetate), as discharges of large quantities of these chemicals can have an adverse impact on receiving waters. The capability to record usage of chemicals should not depend on the type of chemical used. EPA never intended to provide a comprehensive list of technologies and BMP options for airport operators to consider, nor to provide a discussion of the relative merits of each. EPA's discussion was simply an introduction of the many options available and was intended to stimulate thought on the variety of BMPs available. EPA intends that storm water personnel use their best professional judgment to select site-appropriate measures for inclusion in their SWPPPs. For a more thorough source of information on deicing fluid control and airport deicing operations in general, stakeholders can check the EPA publication ''Preliminary Data Summary, Airport Deicing Operations'' at http://www.epa.gov/ost/guide/airport/index.html.

Section 6.T Sector T—Treatment Works

Comment: Clarify that treatment works smaller than 1.0 MGD are not

defined as industrial activities and, therefore, are not subject to the permit.

Response: The final permit language has been modified to be consistent with the industrial definition of § 122.26(b)(14)(ix). The requirements of Sector T are intended to apply only to those treatment works with a design flow of 1.0 MGD or more, or required to have an approved pretreatment program.

Section 8 Retention of Records

Comment: Clarify the Retention of Records language.

Response: EPA has clarified the Retention of Records language used in this permit. Part 8.1 states that the permittee will retain, for three (3) years after the permit expires or is terminated, the SWPPP and all documents/reports needed to complete their Notice of Intent form. In addition, Part 9.16.2.1 addresses the retention of records for the permit monitoring requirements for three (3) years from the date of sample, measurement, evaluation or inspection, or report. Permittees are required to submit Discharge Monitoring Reports for compliance and/or analytical monitoring.

Section 9 Standard Permit Conditions

Comment a: Several comments were received on Part 9.12.1 for requiring coverage under an individual permit or an alternative general permit. Commenters suggest that the permittee be allowed to appeal a Director's decision; provide for determination of non eligibility and semblance of surety available by a permittee who demonstrates eligibility and compliance with the MSGP; and authorize automatic transfer provided all storm water permitting conditions and obligations are met.

Response a: EPA may modify, revoke and reissue, or terminate a permit during its term. Causes for modification, revocation and reissuance, and termination are set forth in 40 CFR § 122.62 and 122.64. Specific causes may include: noncompliance by the permittee with any condition of the permit; failure in the application or during the permit issuance process to disclose fully all relevant facts; determination that the permitted discharge endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination; or there is a change in any condition that requires either a temporary or a permanent reduction or elimination of any discharges controlled by the permit. In addition, EPA recently published a final rule which revises certain regulations pertaining to the NPDES program, including the procedures for appealing an EPA determination on NPDES permits. See *Amendments to Streamline the National Pollutant Discharge Elimination System Program Regulations; Round II*, 65 Fed. Reg. 30886 (May 15, 2000). Included in the rule are revisions to the permit appeals process that replace evidentiary hearing procedures with direct appeal to the Environmental Appeals Board (EAB). The website for the EAB is ''http://www.epa.gov/eab/''. The webpage has a frequently asked question section, ''http://www.epa.gov/eab/eabfaq.htm''. Questions 1 through 9 deal with filing issues, which the commenter can refer to for instructions on how to proceed in filing an appeal with EAB. EPA does not allow automatic transfer from individual permits into other individual or general permits since EPA needs to maintain adequate records of permittees and make periodic evaluations of the adequacy of their measures to comply with permit requirements.

Comment b: EPA should extend coverage to facilities wishing to apply after the expiration date of the MSGP until the permit is reissued.

Response b: Where EPA fails to reissue a permit prior to the expiration of a previous permit, EPA has the authority to administratively extend the permit for facilities already covered. However, EPA does not have the authority to provide coverage to ''new'' facilities seeking coverage under an expired permit. This concern is not applicable in this instance to the MSGP since the MSGP–2000 was issued before the MSGP–1995 expired.

Section 13 Permit Conditions Applicable to Specific States, Indian Country Lands

Comment: The Agency should not require compliance with provisions of state rules that it cannot specifically identify. For example, EPA requires compliance with state anti-degradation provisions. The Agency provides no assistance with regard to how a small business might somehow ascertain what those provisions are, who has them, and how they might apply to the facility's discharge. See 65 Fed. Reg. at 17021. The Agency must specify precisely how a company would obtain appropriate data and how it should apply that data to its operations. Without this necessary guidance, this new provision should be removed from the final permit.

Response: The permit states that discharges are not covered if they violate, or contribute to the violation of, a state water quality standard. An anti-degradation policy is one component of a state's water quality standards program. The permittee is responsible for checking to ensure compliance with these provisions. Facility operators can check with the EPA official listed in this permit to obtain the name of the appropriate state contact.

Section I.A General Opposition to Proposed Changes

Comment: A commenter objected to several of the proposed modifications to the ''Limitations on Coverage'' provisions in the Proposed MSGP–2000, including the proposed revisions to the Endangered Species Act requirements (Section 1.2.3.6), the addition of the antidegradation provision (Section 1.2.3.9), the addition of the impaired waters and TMDL provisions (Section 1.2.3.8), and the addition of the compliance with water quality standards provisions in Section 3.3.

Response: The Agency acknowledges the comment. Justifications for each of the positions cited by the commenter are provided in the fact sheet accompanying the permit. Specific objections to these provisions are addressed elsewhere in the comment response document.

Section I.B General Support to Proposed Changes

Comment a: Several commenters supported EPA's continued use of a general NPDES permit for regulating storm water discharges associated with industrial activity. The commenters indicated that this was an efficient and effective means for achieving the goals of the Clean Water Act.

Response a: EPA agrees with the commenters regarding the appropriateness of general permits for the majority of industrial storm water discharges. The issuance of the final MSGP is consistent with these comments.

Comment b: A commenter supported the proposal to authorize incidental windblown mist discharges from cooling towers as an authorized non-storm water discharge under the MSGP.

Response b: These discharges are included in the final MSGP consistent with the recommendation of the commenter.

Comment c: A commenter supported the provision in the proposed MSGP to allow termination of permit coverage based on the ''no exposure exemption'' (40 CFR 122.26(g)) provided under EPA's Phase II storm water regulations of December 8, 1999 (64 *Fed. Reg.* 68722).

Response c: Although the no exposure exemption would be available whether or not it is specifically included in the

MSGP, EPA has retained the provision in the final MSGP to highlight its availability for those facilities which qualify.

Section I.C Fact Sheet

Comment a: It is imperative that EPA conduct an environmental justice analysis for the MSGP to ensure that the permit is consistent with the goals of EPA's Environmental Justice Strategy of April 3, 1995, the President's 1994 Executive Order on Environmental Justice and Title VI of the Civil Rights Act. The notice of intent (NOI) must include demographic information. EPA must seek comments of minority and low-income communities regarding the MSGP.

Response a: EPA disagrees with the commenter that an environmental justice analysis is necessary prior to the reissuance of the MSGP. Regarding Title VI requirements, EPA has recently proposed guidance (65 *Fed. Reg.* 39649, June 27, 2000) for assisting recipients of Federal funding which administer environmental programs (such as state environmental agencies), as well as guidance for investigating alleged disparate environmental impacts stemming from permitting programs administered by these agencies. The guidance is also appropriate for EPA permits, such as the MSGP.

The Title VI guidance encourages permitting authorities to integrate environmental justice into their permitting programs. However, an environmental justice analysis is not required for every permit issued by a state permitting authority or by EPA. No information was provided by the commenter that a disparate impact on minorities would exist as a result of the MSGP. The MSGP includes numerous effluent limitations and other conditions which should be protective of water quality for all neighborhoods in which permitted facilities are present. EPA does intend to integrate environmental justice considerations explicitly into its permitting programs as outlined in the Title VI guidance. However, this will likely be a longer term process (extending beyond the time frame for reissuance of the MSGP) given the many complexities of the issue.

EPA's Environmental Justice Strategy of April 3, 1995 (developed pursuant to the President's 1994 Executive Order) has similar goals as Title VI of the Civil Rights Act. Again, however, an environmental justice analysis is not required for every permit issuance. The integration of the goals of the Environmental Justice Strategy into the NPDES permit program will also take time given the many complexities of the environmental justice issue.

EPA is committed to implementing the Executive Order on Environmental Justice. As a practical matter, environmental justice concerns are community specific. EPA will work with a specific community that may express concerns related to a specific source or other environmental burdens. If and when a community raises such issues, EPA can then consider a proper course of action. In the case of the MSGP which will largely permit existing facilities, EPA will engage the community that has raised the issue and, if appropriate, work with the State and local agencies to address their concerns. If violations of any applicable standards are identified, EPA can pursue possible enforcement actions. The MSGP also provides that an alternate general permit could be issued for any geographic area which may be identified in the future as subject to disparate environmental impacts.

EPA has public noticed its intent to reissue the MSGP and has requested comments throughout the areas potentially affected by the permit, including areas where minority and low-income communities are present. EPA believes that its outreach activities have been sufficient for the permitting action which was proposed. However, EPA's Environmental Justice Strategy also provides for additional outreach activities in the future which may include outreach to minority and low-income communities specifically regarding the MSGP.

EPA disagrees that demographic information should be required with the NOI. The NOI does include location information for industrial facilities seeking coverage under the permit. Using this information it is possible to locate facilities covered by the permit relative to the locations of different demographic groups. As such, it is not necessary for the NOI to include demographic information.

Comment b: A commenter expressed concern that some non-storm water discharges may be improperly characterized as storm water by certain facilities. The commenter recommended that EPA carefully review permit applications and conduct inspections to ensure that such discharges are treated as point source discharges and not covered by the MSGP.

Response b: Point source discharges would violate the Clean Water Act unless they are authorized by a separate NPDES permit. The MSGP also requires that operators review their facilities for the presence of unpermitted non-storm water discharges which are not authorized by the MSGP. When such discharges are located, the MSGP requires that the discharges be permitted or terminated. This requirement should minimize the possibility that inappropriate non-storm water discharges are discharged under the MSGP. As recommended by the commenter, EPA does conduct periodic inspections of facilities permitted under the NPDES permit program to evaluate the compliance status of a facility with the requirements of the Clean Water Act, including the presence of any unpermitted discharges. Although the permit application for the MSGP (the notice of intent) does not specifically address the issue of non-storm water discharges, EPA believes that the other requirements of the MSGP, along with EPA's inspection program, adequately address the commenter's concern.

Section II.A Organization and Clarity

Comment a: Virtually all commenters supported EPA's effort to make the MSGP smaller and easier to understand. Several comments did express concern that the reorganization and clarification of the permit may have resulted in some substantial changes in permit requirements that may not have been identified and explained in the preamble to the proposed permit. The issue of whether or not explanation and guidance contained in the 1995 MSGP preamble could still be relied upon was also raised.

Response a: EPA went to great lengths to make the permit shorter and easier to understand and believes all substantive changes were identified and discussed in the preamble to the proposed permit. Responses to specific comments on areas where a commenter felt that adequate explanation for changes was not included in the proposal are provided in responses to that comment. With regard to the more specific explanation of sector-specific activities, etc. in the preamble to the 1995 MSGP, this information was incorporated by reference into the proposal of today's permit and may still be relied upon to the extent it does not conflict with the MSGP–2000 documents or is superceded by later guidance. Commenters noted several instances where EPA unintentionally changed requirements through the reformatting. EPA has corrected the permit and identified these instances throughout the comment response document.

Comment b: Based on EPA's use of incorporation by reference in the proposed permit's preamble to avoid reprinting material from the 1995 MSGP's preamble, one commenter expressed concern that the requirement

in Part 4.7 to have a copy of the final permit with the Storm Water Pollution Prevention Plan would be difficult if the entire permit was not in a single package. This commenter also was concerned that references to multiple Internet sites for more information would further compound this problem. The commenter further suggested that a copy of the permit and relevant guidance be included with the NOI ''confirmation'' letter sent by EPA in response to a complete NOI. Another commenter supported making all relevant information available in a single document.

Response b: The entire permit, appropriate addendums, the preamble ''fact sheet,'' and comment response summary are being published today in the **Federal Register** and will, therefore, be easily available from several Internet sites and from Federal Depository Libraries. The information not repeated in the proposed permit notice was primarily background and fact sheet information from the preamble to the 1995 MSGP. While the preamble and response to comments sections of the final permit notice will undoubtedly be valuable to many permittees, the Part 4.7 requirement to have a copy of the permit language with the Storm Water Pollution Prevention Plan refers only to the permit language itself, including addendums. Based on experience with the previous permit, EPA believes the benefits of keeping the size and complexity of the permit to manageable (*i.e.,* less intimidating, easier to use) level far outweigh the benefit of making all supporting and guidance information, much of which will apply to only a small portion of potential permittees, available in a single document. EPA does expect that for convenience, many permittees will simply attach a copy of the entire **Federal Register** notice of the final permit to comply with Part 4.7.

EPA believes the references throughout the permit and preamble to various Internet sites is a sensible alternative to publishing information, only a small part of which may apply to any one facility or which will be changing over time and quickly become outdated. For example, due to periodic updates that must be made to the endangered species list based on new species being listed or old ones delisted, the county-species list was not published with the final permit. This omission saves tax dollars on publication, keeps the size of the permit package down (the current list would double the size of the permit while any one facility only needs to look at a page or so of information), and avoids the inadvertent use of an outdated species list that could result not only in failure to consider potential adverse effects on an endangered species, but also negate a discharger's permit coverage. EPA relies heavily on electronic distribution of documents and guidance, but will be able to provide hard copy or telephone-based information to those who have no access to the Internet or Federal Depository Libraries.

As noted above, the complete permit has been printed and EPA intends to make guidance available, primarily through the Internet. The suggestion to include a copy of the permit and guidance with the NOI ''confirmation'' letter is impractical since most of this information would have been necessary to develop the Storm Water Pollution Prevention Plan that must be developed before the NOI can be submitted.

Section III Geographic Coverage of Proposed MSGP

Comment: Several commenters and attendees of meetings on the proposed permit identified an inconsistency between Part 6.J.3 of the permit, where mine dewatering discharges from construction sand and gravel, industrial sand, and crushed stone mines were apparently eligible only in Arizona and both the previous permit and the preamble to the proposed MSGP–2000 where such discharges were also eligible in all of the permits for Region 1, 2, 6, and 10. One commenter referred to pages 17025 and 17034 of the preamble to the proposed permit in support of their belief that the proposed permit had been intended to provide coverage in Regions 1, 2, 6, and 10 and in Arizona.

Response: The typographical error in Part 6.J.3 has been corrected. As supported by item 4 on page 17025 and item 2 on page 17034 of the **Federal Register** notice of the proposed permit (65 FR 17025 and 17034), coverage for mine dewatering discharges from construction sand and gravel, industrial sand, and crushed stone mines in not only Arizona, but also Regions 1, 2, 6, and 10 was intended.

Section V.A Historic Preservation

Comment a: It would be more in keeping with balancing the agency's CWA mandate and NHPA obligation to not preclude general permit coverage for those discharges that may affect historic properties. Instead, require the general permittee to notify the agency of the existence of a listed historic property that will be affected along with any preventive or mitigation measures, if necessary, that it plans to implement. EPA could then decide if any further consideration or action is warranted, including any comment by the Council. The obligations established under § 106 are placed upon the agency, not on the permittee.

Response a: EPA agrees and acknowledges that NHPA Section 106 imposes obligations only on federal agencies and not on third parties. EPA's action in issuing permits, however, triggers NHPA Section 106. In order to issue a general permit, EPA included historic preservation-related application and eligibility provisions in order to ensure that it could ''filter'' out permitting activities that might otherwise trigger advanced procedures under NHPA Section 106. Section 110(k) of the Act prohibits a Federal agency from granting a loan, loan guarantee, permit, license or other assistance to an applicant who intends to avoid requirements of section 106 (64 FR 95 May 18, 1999). To meet this responsibility, EPA requires the applicant to do one of the following: (1) Determine that historic properties are not in the path of permit activities, (2) determine that permit activities have no impact on historic properties, or (3) the permittee reaches agreement with appropriate authorities on measures to mitigate or prevent adverse effects. Thus, it is quite possible for facilities having an impact on historic properties to be covered by the MSGP. Authorization to discharge under the MSGP is a privilege, not a right, which carries with it certain procedural and timing advantages for the permittee. Therefore, it is incumbent upon the permittee, not EPA, to conduct whatever investigations and consultations are necessary consistent with EPA's obligation to satisfy NHPA provisions.

Comment b: The notice states that the provisions in Part 1.2.3.7, are ''likely to change as a result of consultations'' under the NHPA. The procedures set forth in Addendum B are described as being ''models'' of what the NHPA guidance ''may look like.'' These provisions are critical for permittees to determine their eligibility for coverage under MSGP–2000, and any substantive changes in these areas should be subject to review and comment by the regulated community before they are adopted.

Response b: There are no changes to these provisions as a result of NHPA consultations.

Comment c: Part 2.1.2.2, which deals with discharges that are authorized under the 1995 MSGP, but not clearly eligible for coverage under this permit, does not allow adequate transition time for those permittees who do not have up-to-date determinations pursuant to the NHPA.

Response c: Within 90 days the permittee must apply for MSGP coverage and certify his compliance with other permit provisions. He then has up to 180 additional days of interim coverage under the MSGP while he conducts the consultation and determines whether he meets the criteria for coverage under the MSGP. EPA believes that 270 days is a sufficient period to conduct and conclude this consultation and take whatever action is necessary to ensure continued permit coverage.

Comment d: EPA states that, ''For existing dischargers * * * a simple visual inspection may be sufficient * * * '' (emphasis added). This statement is somewhat disingenuous because a ''simple visual inspection'' is rarely sufficient to determine historic eligibility of an area because many historic resources are often located underground. EPA should provide reasonable guidance worded specifically to shield permittees from liability.

Response d: EPA believes that, for existing dischargers who do not need to construct BMPs for permit coverage, a simple visual inspection may be sufficient to determine whether historic properties are affected. However, for facilities which are new industrial storm water dischargers and for existing facilities which are planning to construct BMPs for permit eligibility, applicants should conduct further inquiry to determine whether historic properties may be affected by the storm water discharge or BMPs to control the discharge. In such instances, applicants should first determine whether there are any historic properties or places listed on the National Register or if any are eligible for listing on the register (*e.g.,* they are ''eligible for listing''). Thus, the Agency does not imply that a visual inspection is always sufficient. In instances of uncertainty, the permittee is encouraged to consult with authorities who can advise on the likelihood of historic properties above or below ground.

Given the Agency's obligation to comply with the NHPA and its efforts to coordinate that obligation with the implementation of general permits, the historic preservation-related eligibility restrictions cannot provide an ironclad shield from liability. The permit guidance provides a common sense approach to an historic property assessment. Facility operators are encouraged to consult with local authorities who can advise on the likelihood of historic properties at the facility.

Comment e: Portions of the text are reproduced and other portions not reproduced in columns 1 and 2 of page 17018 of the notice. See 65 F.R. at 17018. Due to this problem, the commenter is unable to provide any comments on EPA's proposed new changes to the MSGP since he is uncertain what EPA intends or proposes. The commenter suggests that EPA fix the language related to the proposed MSGP and re-issue that correction for public review and comment.

Response e: EPA apologizes for the typing error which resulted in a number of sentences being listed twice on p. 1018. Despite this confusion, EPA believes the intent of the section is clear and does not require reproposal.

Section V.B Endangered Species

Comment a: The term ''unacceptable effects'' is used almost interchangeably with ''likely to adversely affect'' (See 65 Fed. Reg. 17051), which is similarly undefined in the permit and in pertinent regulation. The correct term for purposes of ESA compliance is the ''no jeopardy'' standard set forth in Section 7 of the ESA (17 U.S.C § 1536(a)(2)).

Response a: EPA agrees with the commenter regarding the term ''avoid unacceptable effects.'' Therefore, EPA has deleted the term and uses the ''no jeopardy'' language as stated in part 1.2.3.6.6.

Comment b: The definition of ''discharge-related activities'' is so all-encompassing that it could include virtually all activities at a mine, from drilling and blasting to loading, hauling and dumping and equipment maintenance, in addition to any activities that are part of a Storm Water Pollution Prevention Plan (SWPPP). There is no justification for a requirement to certify ESA compliance for all of these activities in order to obtain coverage under the MSGP. This requirement clearly exceeds EPA's authority under the Clean Water Act.

Response b: The endangered species provision covers only those activities that are associated with storm water industrial activity. The phrase ''discharge-related activities'' is intended to clarify that EPA considers a broad range of activities related to storm water discharges to be covered by the permit and, therefore, subject to ESA and NHPA provisions. This broader list of activities could result in environmental impairment if not addressed through a SWPPP. Since the permit covers this broad range, and EPA's permit authority is subject to ESA provisions, then this broader range of activities is subject to the ''no jeopardy'' finding. BMPs, whether already in place or added, which serve to satisfy the criteria for coverage under the MSGP, are thus subject to the endangered species provisions.

Comment c: While transitional discharge authorization is available for up to 270 days from the date of publication of the permit in the **Federal Register**, that transitional coverage is only available if the permittee submits an application for an alternative permit (most likely an individual permit) within 90 days after publication. Since formal Section 7 consultation is nominally a 135-day process (as stated in the Construction General Permit, see 63 Fed. Reg. 7872), permittees, in order to ensure continuous coverage, would be required to prepare and submit an application for an individual permit before they knew whether they were eligible for coverage under MSGP–2000. This is an unnecessary burden, on both the permittee and the agency. EPA should extend these time limits—for submission of an application for an alternative permit to 180 days, and for transitional coverage to one year.

Response c: EPA will retain the requirement that all applicants must submit their Notice of Intent (NOI) in 90 days. Those applicants who are entering into endangered species consultations or adverse impact investigations could apply for extensions up to 180 days and be covered by an interim permit until their application is completed. EPA believes that 270 days is a sufficient period to conduct and conclude this consultation and take whatever action is necessary to ensure continued permit coverage. The County Species list is available on EPA's web site or by contacting a local official. EPA will update its web site list every 90 days.

Comment d: EPA indicates that the proposed species-related requirements could change, before final issuance, based on consultation with the Fish and Wildlife Service. The public will not have an opportunity to participate in that process, including through commenting on any additional requirements suggested by the Service. If the Service does suggest any substantial changes in MSGP–2000, the public should have an opportunity to review and comment on those changes before EPA makes a decision as to whether to incorporate them into the final permit.

Response d: There are no changes to these provisions as a result of NHPA and ESA consultations, except that, based on comments to the proposed permit, EPA has deleted the inclusion of proposed species on the endangered species list.

Comment e: The duty triggered by the section of the Endangered Species Act (ESA) upon which EPA relies falls not upon the discharger but upon EPA. Thus under EPA's proposal, it would be EPA's duty to assess the impact of each discharger applying for coverage, and if this provision is not removed, EPA loses the benefit of the general permit. The action of adopting the general permit itself triggers EPA's duty, and so EPA, not the discharger, must assess ESA impacts now, not after the fact of the permit.

Response e: EPA is bound by the ESA and attempted to coordinate general permit implementation with its ESA obligations. Authorization to discharge under the MSGP is a privilege which carries with it certain procedural and timing advantages for the permittee. Therefore, it is incumbent upon the permittee, not EPA, to conduct whatever investigations and consultations are necessary to satisfy the ESA-related eligibility provisions. Since EPA cannot predetermine which facilities will apply for coverage under the MSGP, it is impossible for EPA to conduct the site-specific assessments required under the ESA at the time of general permit issuance.

Comment f: Despite previous consultation on the problems of earlier MSGP drafts, certain problems persist, including the gray area language that has fueled citizen suits against permittees. Not only has the agency failed to adequately address this issue, it has increased the liability potential by increasing the requirements for permittees to comply with other agency rules. EPA should clarify language to eliminate the potential for liability for permittees and should reduce the cost and paperwork burdens for compliance with ESA and NHPA.

Response f: Given the operation of the regulatory innovation, the ''general permit,'' EPA cannot provide an ironclad shield from liability in the way the commenter proposes. The permit guidance provides a common sense approach to endangered species and historic property assessments. Facility operators are encouraged to consult with local authorities who can advise on the likelihood of endangered or threatened species, critical habitat, or historic properties at the facility. EPA believes the additional burden associated with the expanded NOI form is minimal because permittees are required to make the findings which are reflected on the form. The additional information provides greater assurance that the assessment has been conducted, but does not in itself constitute the requirement for the assessment. EPA acknowledges that, until such time as the revised form has been cleared by OMB, permittees will continue to use the current NOI form (as modified slightly to conform to changes made elsewhere to the permit).

Comment g: The endangered species section of the permit relating to endangered species is cumbersome and appears to go beyond the intent of the Clean Water Act and beyond the EPA's authority set in the CWA.

Response g: EPA acknowledges the comment, but disagrees. EPA believes these provisions are essential to carry out its responsibility not to issue a permit which could jeopardize an endangered or threatened species, or critical habitat. EPA has consulted with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service to ensure compliance with the Endangered Species Act. The ''discharge-related activities'' restriction on eligibility also implements the Agency's obligations under NHPA Section 106.

Comment h: The permit should clarify that coverage of the MSGP, and certification by the permittee, need address only new impacts resulting from new changes in operations for which discharges are covered and authorized by the MSGP. In other words, the ''baseline'' for assessment of effects or impacts should be the date of reissuance of the MSGP or, if later, initiation of new activities to be covered by the MSGP.

Response h: All activities covered by the permit, whether new or existing, are subject to the provisions. It is inappropriate to interpret that these provisions apply only to new activities.

Comment i: The endangered species section suggests that a potential permittee utilize ''due diligence'' in determining whether or not a potential impact to an endangered or threatened species may exist. This language is too vague and subjective—differing interpretations what constitutes due diligence exist. This is particularly true when dealing with an issue as complex as impact to endangered species or their habitats, where the expertise necessary to make this determination is usually beyond the reach of most industrial operators. It is likely that this could become the focal point of efforts to block permit issuance by those with differing agendas. Further clarification of what is required under ''due diligence'' is required.

Response i: EPA believes that the language must provide flexibility to reflect the case-by-case decisions which must be made. In response to the commenter's concern, EPA has replaced the ''due diligence'' phrase with ''best judgment.'' Consultations with local endangered species officials is advised if the permittee is uncertain how to apply these provisions to his facility.

Comment j: Only those species that have been listed should be identified on this list and used in the determination of permit coverage; not those that have not gone through the entire listing process.

Response j: EPA acknowledges the comment and has revised the language to exclude proposed listing requirements.

Comment k: In this section, an applicant is expected to determine whether endangered species are ''in proximity'' to the stormwater discharges or discharge-related activities at the facility. In proximity is described as being ''in the path or down gradient'' or in the ''immediate vicinity of or nearby,'' the facility. These definitions are far too vague, and could refer to the presence of species located a considerable distance from a facility, not merely those located close enough to a facility to be affected by that facility's stormwater discharge. This section requires clanfication.

Response k: EPA has retained this language from the 1995 MSGP. EPA believes that the language must provide flexibility to reflect the case-by-case decisions which must be made. Consultations with local endangered species officials is advised if the permittee is uncertain how to apply these provisions to his facility.

Comment l: This section provides that ''where there are concerns that coverage for a particular discharger is not sufficiently protective of listed species (and presumably those proposed for listing as well) the Services (as well as any other interested parties) may petition EPA to require that the discharger obtain an individual NPDES permit and conduct an individual section 7 consultation as appropriate.'' It is clear that this will provide ample opportunity to those who would seek to delay or deny permit issuance, even in those circumstances where an actual impact to species or habitat does not exist. This procedure should be a formal one in which the permit remains in force until EPA, after careful and rigorous scientific evaluation of the potential impact, determines whether or not an impact exists and, if so, whether or not an alternative permit is warranted.

Response l: Opportunity for public input is an essential component of any government regulatory program. As the commenter suggests, the permit would remain in effect until such time as EPA

concludes that the activity is no longer eligible for coverage under the permit.

Section V.C 303(d)

Comment a: Several commenters challenged Parts 1.2.3.8. of the permit because they believe it inaccurately applies 40 CFR 122.4(i) regarding compliance with water quality standards to discharges covered by a general permit. Several commenters believe that one doesn't have to consider 40 CFR 122.4(i) if they only add an outfall and similarly one commenter believes that new dischargers under Phase 2 do not have to consider 40 CFR 122.4(i). Commenters stated that any provisions added to the reissued MSGP regarding impaired waters or TMDLs are premature until the new TMDL rule is final. It seems that the major concern is that previously unpermitted discharges would be disallowed coverage under this Part.

Response a: EPA, in Sections 1.2.3.8.1 and 1.2.3.8.2, was merely conditioning a discharger's eligibility for coverage under the MSGP upon meeting certain existing conditions and requirements in EPA's NPDES regulations which apply in all applicable circumstances involving both individual and general permits. In doing so, EPA intended to merely restate those existing conditions and requirements as eligibility requirements under the MSGP. Specifically, EPA's intention in section 1.2.3.8.1 was to condition a new discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory conditions under 40 CFR 122.4(i). A new discharger, therefore would not be eligible for coverage under the MSGP if its discharge would ''cause or contribute to a violation of a water quality standard.'' As mentioned, this regulation is applicable to all new dischargers irrespective of the type of permit they are seeking coverage under; there is no language in this regulation that exempts new dischargers seeking coverage under a general permit. EPA, in section 1.2.3.8.1 of the MSGP, did not intend to create any confusion or change any existing interpretation of the current regulatory language referred to in that section. To avoid confusion EPA is therefore amending the language in section 1.2.3.8.1 to state that ''you are not authorized to discharge if your discharge is prohibited under 40 CFR 122.4(i).''

EPA's intention in section 1.2.3.8.2 was to condition a discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory requirements under existing 40 CFR 122.44(d)(1)(vii)(B). This section of EPA's regulations requires permitting authorities to develop effluent limits in permits that are ''consistent with the assumptions and requirements of any available wasteload allocation for the discharge prepared by the State and approved by EPA pursuant to 40 CFR 130.7'' (EPA's existing TMDL regulations). This requirement applies to all NPDES permits both individual and general permits.

Comment b: One commenter expressed confusion about what is meant by ''new discharges'' as this term is not defined in 40 CFR 122.2.

Response b: The final permit will omit the term ''new discharge'' since it is not necessary for the requirement and it has caused confusion. Today's permit will change the term ''new discharge'' to simply ''discharge'' in the first sentence of Part 1.2.3.8.1.

Comment c: Eligibility restrictions of the permit should be limited to those discharges of pollutants actually listed in a TMDL.

Response c: Section 1.2.3.8.2 of the MSGP contains the eligibility requirement that discharges be consistent with an EPA established or approved TMDL. EPA agrees with the commenter's suggestion that Section 1.2.3.8.2 should clearly state that such requirement is only applicable to facilities discharging the pollutant for which the TMDL is established. EPA is therefore, adding this language to Section 1.2.3.8.2.

Comment d: Discharges to 303(d) listed or 303(e) listed waters should be monitored for contaminants that impair or threaten water quality; however, monitoring requirements should be relaxed for other contaminants that do not impair or threaten receiving water quality. Several commenters wanted either exclusive or additional monitoring of discharges to impaired waters for pollutants of concern in lieu of the eligibility requirements based on whether or not a facility causes or contributes to the impairment.

Response d: EPA acknowledges that the MSGP may not contain monitoring requirements for a pollutant for which a waterbody is listed as impaired. This does not eliminate the burden of the discharger in determining that its effluent does not cause or contribute to a violation of water quality standards. Section 1.2.3.8.1 in the MSGP is an eligibility provision which restates existing regulatory requirements, it does not create new restrictions on any dischargers. If a discharger cannot meet the eligibility requirements, then that discharger is not authorized to discharge under the MSGP. Under existing regulations, EPA has the discretion to establish whatever eligibility requirements that it believes are appropriate. Section 1.2.3.8.1 is an eligibility provision that does no more than restate existing regulatory requirements as a condition of being authorized to discharge under the permit. It does not dictate, establish or restrict the use of any particular framework, effluent limits or permit conditions within the permit itself or describe or restate any new interpretation of the underlying regulations which it refers to.

Comment e: Several commenters were not clear how to determine or implement loadings imposed by TMDLs. Further they requested that loadings based on the TMDL be excluded from the MSGP and addressed separately so that the regulated community could have an opportunity to comment on them. One commenter stated that the eligibility requirement of Part 1.2.3.8. is not appropriate because there was no opportunity to comment on the TMDL.

Response e: It is not necessary that all dischargers receive individual wasteload allocations. EPA's regulations at 40 CFR 130.2 define a wasteload allocation as the portion of the receiving water's loading capacity that is allocated to one of its existing or future point sources of pollution. EPA has interpreted this regulation to mean that each point source must be given an individual wasteload allocation when it is feasible to calculate such a wasteload allocation. EPA believes that states may find it infeasible to calculate individual wasteload allocations for all point sources covered by a specific general permit. In that case, the TMDL would establish individual wasteload allocations for dischargers subject to individual permits whereas dischargers subject to a general permit would be accounted for in the aggregate under a single wasteload allocation specific to the general permit under which they are authorized to discharge.

In addition, wasteload allocations can be expressed in different ways, including, percent loading reductions. See 40 CFR 130.2(i) ''* * * TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measures. * * *'' Effluent limitations must be consistent with (but not identical to) the wasteload allocations in TMDLs. See 40 CFR 122.44(d)(1)(vii)(B). Effluent limitations for point source discharges of storm water may be narrative limitations that are expressed in terms of best management practices (BMPs). This policy is consistent with EPA's approach in its Interim Permitting

Approach For Water Quality-Based Effluent Limitations in Storm Water Permits (September 1996, EPA 833–D–96–001). This interim approach allows limits to be expressed in the form of BMPs as a means of satisfying the requirement that limits derive from and comply with water quality standards and are consistent with an EPA approved or established TMDL.

All dischargers who discharge the pollutant for which the waterbody is impaired must be accounted for in the TMDL. Every point source discharger located on the impaired waterbody and discharging the pollutant for which the waterbody is impaired must be accounted for under a wasteload allocation. The State may choose, however, to give a discharger a wasteload allocation that would not require any reduction in loading. In other words, all facilities discharging the pollutant for which the waterbody is impaired must be subject to a wasteload allocation but all facilities subject to a wasteload allocation may not be required to reduce their loads.

Comment f: Several commenters requested guidance on how to adequately evaluate a discharge's eligibility under Part 1.2.3.8 and 1.2.3.9 of the permit.

Response f: EPA intends the analysis to be similar to what a permittee under the previous MSGP had to do in accordance with Part I.B.3.f. of that permit. The applicant must avail himself of all discharge characterization data or estimation of discharge character and determine compliance. If the permittee is able to evaluate eligibility on his own because he has access to State Water Quality Standards, 303(d) lists, TMDLs etc. (all of which are available either from the permit issuing authority or in some cases, online) then he can make his determination, document the determination process in his pollution prevention plan, and sign the NOI. In other cases, the Director may notify him that he is not eligible for coverage if such a determination is made independently, and may require an application for an individual permit.

Comment g: One commenter requested confirmation that Part 1.2.3.8.1 applies to facilities constructed after August 13, 1979 that have not yet been issued an NPDES permit.

Response g: Part 1.2.3.8.1 applies to discharges, not facilities, that have begun after August 13, 1979 that have not yet been authorized by an NPDES permit.

Section V.D—Antidegradation

Comment a: The proposed requirements do not accurately reflect States' anti-degradation policy. Commenters stated that anti-degradation does not hold a permittee accountable until a State's policy is interpreted into a permit. The State's review of the general permit under the CWA 401 is the extent of applicable anti-degradation review. Therefore, delete Part 1.2.3.9. since an individual discharger applying for general permit coverage cannot determine how the State's anti-degradation policy, especially regarding the Tier 2 ''high quality water'' provisions, will be implemented at a particular facility.

Response a: EPA, in Sections 1.2.3.8.1 and 1.2.3.8.2, was merely conditioning a discharger's eligibility for coverage under the MSGP upon meeting certain existing conditions and requirements in EPA's NPDES regulations which apply in all applicable circumstances involving both individual and general permits. In doing so, EPA intended to merely restate those existing conditions and requirements as eligibility requirements under the MSGP. Specifically, EPA's intention in section 1.2.3.8.1 was to condition a new discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory conditions under 40 CFR 122.4(i). A new discharger, therefore would not be eligible for coverage under the MSGP if its discharge would ''cause or contribute to a violation of a water quality standard.'' As mentioned, this regulation is applicable to all new dischargers irrespective of the type of permit they are seeking coverage under; there is no language in this regulation that exempts new dischargers seeking coverage under a general permit. EPA, in section 1.2.3.8.1 of the MSGP, did not intend to create any confusion or change any existing interpretation of the current regulatory language referred to in that section. To avoid confusion EPA is therefore amending the language in section 1.2.3.8.1 to state that ''you are not authorized to discharge if your discharge is prohibited under 40 CFR 122.4(i).''

EPA acknowledges that the MSGP may not contain monitoring requirements for a pollutant for which a waterbody is listed as impaired. This does not eliminate the burden of the discharger in determining that its effluent does not cause or contribute to a violation of water quality standards. Section 1.2.3.8.1 in the MSGP is an eligibility provision which restates existing regulatory requirements, it does not create new restrictions on any dischargers. If a discharger cannot meet the eligibility requirements, then that discharger is not authorized to discharge under the MSGP. Under existing regulations, EPA has the discretion to establish whatever eligibility requirements that it believes are appropriate. Again, section 1.2.3.8.1 is an eligibility provision that does no more than restate existing regulatory requirements as a condition of being authorized to discharge under the permit. It does not dictate, establish or restrict the use of any particular framework, effluent limits or permit conditions within the permit itself or describe or restate any new interpretation of the underlying regulations which it refers to.

EPA's intention in section 1.2.3.8.2 was to condition a discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory requirements under existing 40 CFR 122.44(d)(1)(vii)(B). This section of EPA's regulations requires permitting authorities to develop effluent limits in permits that are ''consistent with the assumptions and requirements of any available wasteload allocation for the discharge prepared by the State and approved by EPA pursuant to 40 CFR 130.7'' (EPA's existing TMDL regulations). This requirement applies to all NPDES permits both individual and general permits.

Wasteload allocations can be expressed in different ways, including, percent loading reductions. See 40 CFR 130.2(i) ''* * *TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measures * * *.'' Effluent limitations must be consistent with (but not identical to) the wasteload allocations in TMDLs. See 40 CFR 122.44(d)(1)(vii)(B). Effluent limitations for point source discharges of storm water may be narrative limitations that are expressed in terms of best management practices (BMPs). This policy is consistent with EPA's approach in its Interim Permitting Approach For Water Quality-Based Effluent Limitations in Storm Water Permits (September 1996, EPA 833–D–96–001). This interim approach allows limits to be expressed in the form of BMPs as a means of satisfying the requirement that limits derive from and comply with water quality standards and are consistent with an EPA approved or established TMDL.

The commenter correctly recognizes the difficulty in determining what defines ''necessary to accommodate important economic or social development'' in accordance with 40 CFR Section 131.12(a)(2). By statute, this determination involves public participation, the assurance that water quality will be protected, and several other factors. EPA would have to modify

the permit for each discharge in question in order to comply with 40 CFR Section 131.12(a)(2). Individual considerations such as these are contrary to the concept of a general permit. In addition, public participation would be impossible since the permit issuing authority would not know about the particular discharge to tier 2 waters before a NOI was submitted. Therefore, a facility operator must seek coverage under an individual permit to discharge to tier 2 waters under 40 CFR Section 131.12(a)(2)'s allowable degradation provisions to satisfy the requirements for public participation and protection of water quality. The only discharges allowed coverage under today's permit are those which do not degrade the use of a tier 2 water below its existing levels, even though those existing levels exceed levels necessary to support propagation of fish, shellfish and wildlife and recreation in and on the water.

Comment b: While the eligibility requirements disallow the discharge to cause and contribute to the impaired water, the permit doesn't require monitoring for the pollutant of concern. This presents the potential for the permit issuing authority to determine that a discharge causes or contributes at a later date than the submittal of the NOI, effectively creating a violation of the permit without the permittee being able to know of it or prevent it.

Response b: There will be situations where an NOI is accepted by the permit issuing authority and coverage provided to a facility that did not meet the eligibility requirements. Other situations include changes, such as the approval of a TMDL, which may cause a discharge to no longer be eligible. Upon learning of these types of situations, the Director may either require the permittee to submit an application for an individual NPDES permit, take an enforcement action, allow the facility to eliminate the concern, or any combination of these actions.

Comment c: The eligibility requirements require the permittees to predict the final requirements of the TMDL rule and the final loadings of TMDLs approved in the future. Part 1.2.3.8.1 shouldn't be included in the permit because it inaccurately applies 122.4(i) to general permittees.

Response c: EPA, in Sections 1.2.3.8.1 and 1.2.3.8.2, was merely conditioning a discharger's eligibility for coverage under the MSGP upon meeting certain existing conditions and requirements in EPA's NPDES regulations which apply in all applicable circumstances involving both individual and general permits. In doing so, EPA intended to merely restate those existing conditions and requirements as eligibility requirements under the MSGP. Specifically, EPA's intention in section 1.2.3.8.1 was to condition a new discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory conditions under 40 CFR 122.4(i). A new discharger, therefore would not be eligible for coverage under the MSGP if its discharge would ''cause or contribute to a violation of a water quality standard.'' As mentioned, this regulation is applicable to all new dischargers irrespective of the type of permit they are seeking coverage under; there is no language in this regulation that exempts new dischargers seeking coverage under a general permit. EPA, in section 1.2.3.8.1 of the MSGP, did not intend to create any confusion or change any existing interpretation of the current regulatory language referred to in that section. To avoid confusion EPA is therefore amending the language in section 1.2.3.8.1 to state that ''you are not authorized to discharge if your discharge is prohibited under 40 CFR 122.4(i).''

EPA's intention in section 1.2.3.8.2 was to condition a discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory requirements under existing 40 CFR 122.44(d)(1)(vii)(B). This section of EPA's regulations requires permitting authorities to develop effluent limits in permits that are ''consistent with the assumptions and requirements of any available wasteload allocation for the discharge prepared by the State and approved by EPA pursuant to 40 CFR 130.7'' (EPA's existing TMDL regulations). This requirement applies to all NPDES permits both individual and general permits.

Comment d: The final permit needs to be clear that the requirements of Part 1.2.3.8.2 only apply to the pollutant of concern in the TMDL actually being discharged by the facility. This idea is in Part 1.2.3.8.1. and should be included in 1.2.3.8.2 as well. Similarly, EPA should lift the new source and new discharger restrictions if there is not a storm water component of the approved TMDL. The final permit should clarify that a facility may not have a specific allocation in an approved TMDL and as such may still be eligible for the general permit.

Response d: Section 1.2.3.8.2 of the MSGP contains the eligibility requirement that discharges be consistent with an EPA established or approved TMDL. EPA agrees with the commenter's suggestion that Section 1.2.3.8.2 should clearly state that such requirement is only applicable to facilities discharging the pollutant for which the TMDL is established. EPA is therefore, adding this language to Section 1.2.3.8.2.

Comment e: The eligibility requirements in Part 1.2.3.9 defeat the concept of efficiency of a general permit and should be removed. EPA does not have the authority to require the applicant to assess if they support the use classification of the receiving water because it increases the cost of applying for general permit coverage which has not been evaluated by EPA under the Unfunded Mandates Reform Act. Furthermore, the duty to determine whether or not a discharge supports the use classification of a receiving water is the permit issuing authority's responsibility.

Response e: The concept of the general permit is to reduce the administrative burden on EPA and the regulated community by issuing one permit for many facilities that would otherwise all have exactly the same conditions in their individual permits. If a facility is not like other ones where it would have different permit conditions it should not apply for the general permit in question. This general permit only applies to facilities that support the use classification of the receiving waters. If they do not, EPA is not obligated to change the general permit to include them. The applicant must seek alternate permit coverage. It is the permit issuing authority's responsibility to ensure that the conditions of the general permit support use classifications. It is not their responsibility to ensure that each individual discharge authorized by the permit supports the use. The eligibility requirements are there to indicate the type of facility that can be covered under the permit. The efficiency intended by a general permit is to reduce the number of individual permits and to make application for NPDES permit easier for those who qualify for the coverage under the general permit.

Comment f: The final permit needs to be clear that a facility may not have a specific allocation in an approved TMDL and as such may still be eligible for the general permit.

Response f: EPA agrees in part with the commenter that there may be circumstances under which it is not necessary that all dischargers receive individual wasteload allocations. EPA's regulations at 40 CFR 130.2 define a wasteload allocation as the portion of the receiving water's loading capacity that is allocated to one of its existing or

future point sources of pollution. EPA has interpreted this regulation to mean that each point source must be given an individual wasteload allocation when it is feasible to calculate such a wasteload allocation. EPA believes that states may find it infeasible to calculate individual wasteload allocations for all point sources covered by a specific general permit. In that case, the TMDL would establish individual wasteload allocations for dischargers subject to individual permits, whereas dischargers subject to a general permits would be accounted for in the aggregate under a single wasteload allocation specific to the general permit under which they are authorized to discharge.

Comment g: Lift the new source/new discharger restriction if there is not a storm water component of the approved TMDL.

Response g: EPA, in Sections 1.2.3.8.1 and 1.2.3.8.2, was merely conditioning a discharger's eligibility for coverage under the MSGP upon meeting certain existing conditions and requirements in EPA's NPDES regulations which apply in all applicable circumstances involving both individual and general permits. In doing so, EPA intended to merely restate those existing conditions and requirements as eligibility requirements under the MSGP. Specifically, EPA's intention in section 1.2.3.8.1 was to condition a new discharger's eligibility for coverage under the MSGP upon meeting the existing regulatory conditions under 40 CFR 122.4(i). A new discharger, therefore would not be eligible for coverage under the MSGP if its discharge would ''cause or contribute to a violation of a water quality standard.'' As mentioned, this regulation is applicable to all new dischargers irrespective of the type of permit they are seeking coverage under; there is no language in this regulation that exempts new dischargers seeking coverage under a general permit. EPA, in section 1.2.3.8.1 of the MSGP, did not intend to create any confusion or change any existing interpretation of the current regulatory language referred to in that section. To avoid confusion EPA is therefore amending the language in section 1.2.3.8.1 to state that ''you are not authorized to discharge if your discharge is prohibited under 40 CFR 122.4(i).''

Section V.E Discharges Not Previously Covered by an Individual Permit

Comment: One commenter requested clarification of the permit requirement at Part 1.2.3.3.2.3 to include any specific storm water BMPs from the old individual permit in the Storm Water Pollution Prevention Plan when transferring from an individual permit to the MSGP. The commenter interpreted this condition to mean that only those specific storm water BMPs from the old individual permit (and areas associated with outfalls from the old permit) needed to be included in the Plan, and noted an apparent inconsistency on page 17021, Item F, of the preamble which states that the Plan must address the entire facility.

Response: When transferring from an individual permit to the MSGP, the requirement at Part 1.2.3.3.2.3 to include any specific storm water BMPs from the old individual permit in the Storm Water Pollution Prevention Plan is in addition to and not in lieu of the basic requirements in Part 4. However, the BMPs brought over from the old individual permit may satisfy one or more of the ''basic'' Storm Water Pollution Prevention Plan requirements under Part 4 and/or the sector-specific requirements under Part 6. There could be areas at a facility (*e.g.,* employee parking lots) that do not need to be addressed under the permit (and SWPPP) unless the runoff from such areas commingles with storm water associated with industrial activity (or was previously permitted).

Section VI.A Notification Requirements

Comment a: The commenter supported the use of electronic filing of NOIs, but expressed concern that facilities without Internet access would be at a disadvantage.

Response a: It is not the intention of EPA to only accept electronic submittals. Electronic submittal is another alternative which, hopefully, will be available to the regulated community in the near future.

Comment b: The commenter does not support any changes to the NOI form, and expects any changes to comply with the Paperwork Reduction Act.

Response b: Any changes to the NOI form that result in an increase in burden for the applicant must first be reviewed and approved by the Office of Management and Budget. Part of this review includes compliance with the requirements of the Paperwork Reduction Act. Changes to the NOI form published in today's permit were limited to those that provide clarification in information, as well as those changes that reflect changes in the storm water permits issued by EPA. EPA has determined that these changes do not represent an increase in burden for completing the NOI form. As noted in Section 2.2, the more extensive changes listed in the March 30, 2000 proposal need to complete their OMB review before they can be included in the NOI form.

Comment c: A commenter supported inclusion of the no exposure certification form as an addendum to the MSGP–2000.

Response c: EPA agrees that providing the form with the permit is a convenience for facilities qualifying for the no exposure exemption. The certification form is an addendum to the permit.

Section VI.B Special Conditions

Comment a: The Agency is shifting its responsibility regarding meeting minimum technology standards in NPDES permits to the discharger.

Response a: EPA expects that when a facility submits an NOI they are familiar with both the permit and their facility. They should be able to determine their eligibility. The permitting authority may concur with the facility's assessment, or not. EPA does not believe that it has shifted its responsibility on this matter.

Comment b: There was a request to clarify the requirements in the MSGP–2000 regarding co-located facilities.

Response b: A facility is considered co-located if there is a second industrial activity occurring which meets the definition of storm water discharge associated with industrial activity. For example, a facility operates an auto salvage yard and also has an area onsite for scrap recycling. The facility as a whole would meet the requirements for Sector M—Auto salvage. The area where scrap recycling occurs would meet the requirements for Sector N—Scrap Recycling. Any storm water discharges from the scrap recycling area needs to meet the requirements for both sectors. The second activity may or may not be related to the primary industrial activity. The determination as to whether something is co-located rests in the definition of storm water discharges associated with industrial activity. If a second activity exists at a facility which meets one of the categories in the definition, then the facility has co-located industrial activities.

Section VI.C Common Pollution Prevention Plan Requirements

Comment a: A commenter expressed concern about various interpretations and implementation of the storm water program, including incorporation of effluent limits, and stressed ''* * * It is imperative that the Agency maintains that SWPPP requirements be interpreted and implemented in a practicable and economically feasible manner.''

Response a: EPA believes that proper implementation of storm water BMPS

will achieve compliance with water quality standards. EPA is responsible for implementation of the storm water program in eight states, various territories, including Puerto Rico and District of Columbia; and various Indian Country lands throughout the country. For the remaining 42 states, the state agency is responsible for program implementation. They have the authority to interpret and implement the program as appropriate for their state. It continues to be EPA's policy not to include effluent limitations in storm water permits. However, a state may choose to follow a different policy than EPA's.

Comment b: There is not a specific mention of catch basin inserts or fillers on the listing of BMPs.

Response b: In discussions concerning BMPs, EPA attempted to provide some examples of various types of BMPs. By no means is the listing intended to be all inclusive. EPA acknowledges that there are other BMPs, such as catch basin inserts or fillers, that were not mentioned in discussions but may be appropriate in various circumstances.

Section VI.E Monitoring and Reporting Requirements

Comment a: Monitoring results are an unreliable indicator of a discharge problem and they do not provide confirmation of a problem. Permittees cannot use results to support facility management.

Response a: EPA believes that since analytic monitoring has been performed by substantial numbers of permittees only during the fourth year of the 1995 MSGP (many facilities complying with monitoring requirements in the fourth year were covered under the earlier baseline general permit during the second monitoring year and, consequently, had no equivalent monitoring requirement), it is premature to make any final conclusions regarding the value of the Agency's acquisition of the monitoring data or to consider dropping the monitoring. In essence, the fourth-year monitoring data set EPA received represents the baseline of pollutant discharge information under the sector-specific industrial general storm water permit. Several rounds of monitoring significantly enhances the utility of the results for evaluating the effectiveness of management practices at the site as well as for the industry sector as a whole. EPA commits to using data from the 1995 and 2000 permits to evaluate the effectiveness of management practices on an industry sector basis and to evaluate the need for changes in monitoring protocols for the next permit.

EPA acknowledges that, considering the small number of samples required per monitoring year (four), and the vagaries of storm water discharges, it may be difficult to determine or confirm the existence of a discharge problem as a commenter claimed. When viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job. EPA believes there is presently no alternative that provides stakeholders with an equivalent indicator of program effectiveness.

Comment b: Monitoring results are not necessarily an indicator of BMP effectiveness and EPA never justified that they are.

Response b: While not practicable for EPA to require an increase in monitoring, operators are encouraged to sample more frequently to improve the statistical validity of their results. Unless the proper data acquisition protocol for making a valid BMP effectiveness determination is rigorously followed, any other method used to assess BMP effectiveness would be qualitative, and therefore less reliable. The least subjective approach, and most beneficial to operators and stakeholders, EPA believes, remains a combination of visual and analytic monitoring, using analyte benchmark levels to target potential problems. Statistical uncertainties inherent in the monitoring results will necessitate both operators and EPA exercising best professional judgment in interpreting the results. When viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job.

Comment c: Alternate test methods can be used for determining effectiveness of BMPs at a facility, and benchmarks will need modifying to account for variability in test methods.

Response c: A technically valid, deterministic investigation of BMP effectiveness would necessarily involve collecting discharge pollutant load data before and after the BMP. The constraints inherent in monitoring preclude requiring this kind of investigation. All other methods used to make an assessment of SWPPP/BMP effectiveness are qualitative. The least subjective approach, and most beneficial to operators and stakeholders, EPA believes, is a combination of visual and analytic monitoring, using analyte benchmark levels (or ''targets'') as an indicator of potential problems. Vagaries of storm discharges and statistical concerns will necessitate operators and EPA exercising best professional judgment in interpreting the results of any monitoring. When viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job.

Comment d: (a) The presumption of an impact on water quality standards by storm water is inappropriate given the episodic nature of storms. (b) EPA recognizes that during a storm, water quality standards will not always be met, so EPA shouldn't rely on water quality standards at a discharge point to determine if a facility is in compliance. (c) Monitoring has marginal value in assessing and protecting water quality.

Response d: (a) It is true that many impacts of storm water are short-term and that many pollutants are not really toxic or bioaccumulative. A short term water quality standard violation is not necessarily going to persist long enough to be toxic. (b) In the absence of establishing discharge pollutant loads that correlate directly to a receiving water, as would be done for an individual permit, EPA settled on benchmark levels which would, under nearly all scenarios, be protective of water quality standards. Recognizing the shortcomings of these generic pollutant levels, EPA only intends for them to be used as indicators of possible problems and as a flag to reevaluate the SWPPP—not as a trigger to begin mandatory SWPPP or operational revisions unless, after employing BPJ, the operator deems such revisions are necessary. (c) While end-of-pipe/end-of-property analytic monitoring for storm water may not reflect potential impacts to water quality, EPA does not intend to use the data for that purpose.

Comment e: EPA needs to reevaluate the validity of benchmark values.

Response e: Universal benchmark levels cannot be established; the next best thing would be storm water pollutant loadings vis-a-vis water segment-specific TMDLs. But when used as a target or indicator, without requiring specific corrective actions beyond using BPJ to reassess present conditions and make any changes deemed necessary, the present

benchmarks are adequate. In specific situations operators may reasonably conclude, after analyzing monitoring results above benchmarks, their present SWPPPs/BMPs are adequately protective of water quality, or that other conditions such as discharging to low-quality, ephemeral streams may obviate the need for SWPPP/BMP revisions.

Comment f: Monitoring diverts resources from more effective implementation of SWPPPs. EPA should focus on pollution prevention, instead.

Response f: In developing the monitoring requirements, *i.e.,* pollutants of concern, monitoring waivers, etc., along with providing sampling and monitoring guidances, EPA endeavored to make the financial burden as minimal as possible. Four quarterly samples is a minimal data set for evaluating the effectiveness of SWPPPs. Those least able to afford expansive monitoring programs, *i.e.,* small businesses, likely have few outfalls to begin with. EPA believes that if monitoring is required at a facility, it should be planned for and budgeted as a cost of doing business.

Comment g: Permittees fear benchmark limits would be viewed as effluent limitations.

Response g: EPA agrees that benchmark limits are not effluent limitations and should not be used, in and of themselves, as the basis for issuing an enforcement violation.

Comment h: Storm water discharge variability can be caused by atmospheric/dry deposition, run on and fate in transport; facilities with structural leachate are at a disadvantage vis-a-vis those without the problem.

Response h: EPA acknowledges the potential for adding pollutants to a facility's discharges from external or structural sources. A permittee is, nonetheless, still legally responsible for the quality of all discharges from his/her site—but not from pollutants that may be introduced outside the boundaries of his/her property or the areas where his/hers structures, industrial activities or materials are located. Anything that increases the pollutant load in the runoff prior to leaving the site, whether originating from air deposition, run-on from nearby sites, or leachate from on-site structures, remains the responsibility of the permittee. This was affirmed in the ruling by the Environmental Appeals Board against the General Motors Corp. CPC-Pontiac Fiero Plant in December 1997.

Comment i: Allow pollutant credits for background sources of pollution.

Response i: Pollutant credits for background sources of pollution is unfeasible for storm water. Either EPA or the permittee would have to determine the pollutant loads of both the run-on and runoff to calculate pollutant credits. Resources are insufficient to implement this practice.

Comment j: Differences in monitoring results may result from changes in business conditions; changes in personnel doing monitoring can make observations/discharge examinations unreliable.

Response j: EPA published guidance on both monitoring and sampling procedures (available from EPA's Office of Water Resource Center) to standardize data collection practices.

Comment k: The same person cannot always do monitoring. Having to rely on different people is bad for consistency in recording observations and making discharge examinations.

Response k: EPA requires that personnel implementing the SWPPP be provided training as an element of the SWPPP. This training must cover program elements to ensure the quality and validity of all information collected.

Comment l: Sampling can be dangerous.

Response l: EPA provides waivers and options such that extreme weather or perilous conditions are accounted for.

Comment m: Determining whether a storm qualifies to be monitored is difficult.

Response m: EPA has always defined what constitutes a storm event worthy of monitoring. Modern weather forecasting is making it easier to anticipate and plan for qualifying storms.

Comment n: Monitoring in remote west or arid/semi-arid areas is difficult and burdensome.

Response n: EPA has always had accommodations and waivers for lack of qualifying storm events. See EPA Response o below.

Comment o: EPA should reduce analytic monitoring and visual monitoring based on average rainfall (similar to Phase II regulations).

Response o: EPA already allows permittees to skip monitoring in any quarter in which no qualifying storm events occur.

Comment p: Some discharges (in the west) occur only infrequently and sometimes only to isolated, ephemeral streams (which may have no indigenous biota).

Response p: Ephemeral streams may still eventually flow into permanent waters of the U.S.; hence, protective measures may still be needed to protect water quality. If there are truly no water quality standards established for an ephemeral stream and the outflow does not feed another water body, then it's likely there would not be a ''point source discharge'' and no permit would be required. Only those point source discharges to waters of the U.S. need to be included in a SWPPP.

Comment q: Continuation of monitoring is not justified, especially for mining sectors.

Response q: EPA believes that since analytic monitoring has been performed by substantial numbers of permittees only during the fourth year of the 1995 MSGP (many facilities complying with monitoring requirements in the fourth year were covered under the earlier baseline general permit during the second monitoring year and, consequently, had no equivalent monitoring requirement), it is premature to make any final conclusions regarding the value of the Agency's acquisition of the monitoring data or to consider dropping the monitoring. In essence, the fourth-year monitoring data set EPA received represents the baseline of pollutant discharge information under the sector-specific industrial general storm water permit. Several rounds of monitoring significantly enhance the utility of the results for evaluating the effectiveness of management practices at the site as well as for the industry sector as a whole. EPA commits to using data from the 1995 and 2000 permits to evaluate the effectiveness of management practices on an industry sector basis and to evaluate the need for changes in monitoring protocols for the next permit.

EPA acknowledges that, considering the small number of samples required per monitoring year (four), and the vagaries of storm water discharges, it may be difficult to determine or confirm the existence of a discharge problem as a commenter claimed. When viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job. EPA believes there is presently no alternative that provides stakeholders with an equivalent indicator of program effectiveness.

Comment r: EPA has not provided guidance on monitoring snow melt events.

Response r: EPA does not have any specific guidance on this matter at the present time. Guidance may be developed in the future. In the interim, however, EPA believes that facilities should be able to obtain reasonably representative samples using their best judgment. Two important points must be considered to ensure the snow melt

sample is representative: (1) The melted runoff must come in contact with any pollutants of concern present and not be overly ''contaminated'' with concentrated surficial deposits of hydrocarbons, dirt, salt, etc., and (2) the melted runoff must have characteristics that approximate those of a monitor-qualifying rain storm (0.1 inch runoff volume, sampled within the first ½ up to 1 hour).

Comment s: (a) In addition to monitoring results, EPA should also require submission of a description of storm water controls being implemented. (b) EPA should require facilities to monitor for pollutants similar to what would be done under an individual permit (to ensure BMPs are being implemented). (c) Monitoring will aid the permittee, permitting authority and the public in understanding the sources and toxicity of storm water at a site.

Response s: (a) EPA already requires that all BMPs and other controls be described in the SWPPP, including inspections, maintenance, etc. Any BMP changes or additions must be added to an updated SWPPP, so EPA will not require this information be formally submitted. If EPA needs to inspect a facility or determine an enforcement issue, the facility's SWPPP will be reviewed for BMP information. (b) Customizing a facility's monitoring requirements is tantamount to writing an individual permit for the facility, which would require the same application package as for an individual permit. This is an option for those facilities where discharges or receiving waters are a concern but, otherwise, EPA believes the requirements of the present general permit with the identified pollutants of concern is sufficient for a large majority of facilities. (c) EPA agrees that monitoring can be used as an indicator of potential problems or toxicity concerns.

Comment t: Submit Discharge Monitoring Reports (DMRs) along with NOIs to prove compliance. If no DMRs were submitted under the current MSGP, require quarterly monitoring for all five years of MSGP–2000.

Response t: DMR and NOI submission deadlines have not coincided in the past and, from a regulatory perspective, it is not feasible to link them. Past instances of non-compliance are an enforcement issue with established penalties in the CFRs, but these instances do not automatically preclude future permit coverage nor can EPA include separate ''penalties'' such as 5-year monitoring in the permit for them.

Comment u: Analytic monitoring may be good for general info, which may be of use to the facility and regulatory agency, but it should not be required under the permit. Only visual monitoring should be required. One commenter indicated that analytic monitoring may be good for watershed-wide indications of general trends.

Response u: EPA believes that since analytic monitoring has been performed by substantial numbers of permittees only during the fourth year of the 1995 MSGP (many facilities complying with monitoring requirements in the fourth year were covered under the earlier baseline general permit during the second monitoring year and, consequently, had no equivalent monitoring requirement), it is premature to make any final conclusions regarding the value of the Agency's acquisition of the monitoring data or to consider dropping the monitoring. In essence, the fourth-year monitoring data set EPA received represents the baseline of pollutant discharge information under the sector-specific industrial general storm water permit. Several rounds of monitoring significantly enhance the utility of the results for evaluating the effectiveness of management practices at the site as well as for the industry sector as a whole. EPA commits to using data from the 1995 and 2000 permits to evaluate the effectiveness of management practices on an industry sector basis and to evaluate the need for changes in monitoring protocols for the next permit.

EPA acknowledges that, considering the small number of samples required per monitoring year (four), and the vagaries of storm water discharges, it may be difficult to determine or confirm the existence of a discharge problem. When viewed as an indicator, analytic levels considerably above benchmark values can serve as a flag to the operator that his SWPPP needs to be reevaluated and that pollutant loads may need to be reduced. Conversely, analytic levels below or near benchmarks can confirm to the operator that his SWPPP is doing its intended job. EPA believes there is presently no alternative that provides stakeholders with an equivalent indicator of program effectiveness. A technically valid, deterministic investigation of BMP effectiveness would necessarily involve collecting discharge pollutant load data before and after the BMP. The constraints inherent in monitoring preclude requiring this kind of investigation. All other methods used to make an assessment of SWPPP/BMP effectiveness are qualitative. Quarterly visual monitoring of storm water discharges has always been a permit requirement, for many of the same reasons why commenters favor it, and will continue to be so. The least subjective approach, and most beneficial to operators and stakeholders, EPA believes, is a combination of visual and analytic monitoring, using analyte benchmark levels (or ''targets'') as an indicator of potential problems. Variability of storm discharges and statistical concerns will necessitate operators and EPA exercising best professional judgement in interpreting the results of any monitoring.

Monitoring in impaired water bodies would focus attention on the problem water bodies and possible pollutant sources. However, not all impaired water bodies and their impairments have been determined. The goal of EPA's storm water program is also to protect and maintain water quality, not just remediate impaired waters, so focusing on impaired waters only does not fulfill all the program's responsibilities.

Comment v: If monitoring results are below the benchmark, facilities should not be required to monitor unless there are major changes to the facility.

Response v: Several rounds of monitoring significantly enhances the utility of the results for evaluating the effectiveness of management practices at the site as well as for the industry sector as a whole. EPA is keeping the monitoring requirement for all specified sectors at least one more time to provide stakeholders with continued assurance that SWPPPs are being implemented, concerted efforts to protect water quality are ongoing, and a mechanism is in place to indicate potential problems. The previous second year monitoring waiver for facilities with pollutant levels below the benchmark level is being retained.

Comment w: Substantially identical outfalls reduces burden and is beneficial to SWPPP implementation.

Response w: Noted.

Visual Monitoring

Comment x: Numerous commenters supported dropping analytic monitoring from the MSGP–2000 in favor of just requiring quarterly visual monitoring. Commenters claimed visual monitoring is adequate to ensure compliance and environmental protection (especially coupled with training), and is least burdensome.

Response x: Quarterly visual monitoring of storm water discharges has always been a permit requirement, for many of the same reasons why commenters favor it, and will continue to be so. EPA will also be retaining analytic monitoring because we believe the best way to ensure SWPPP effectiveness and protection of water

quality is through a combination of visual and analytic monitoring. The reasons for not adopting visual monitoring only are explained further in the rationale for justifying quarterly analytic monitoring.

Comment y: Operators need flexibility to collect representative samples for visual monitoring.

Response y: EPA believes the same representative sample reduction provided for analytic monitoring is inappropriate for the quarterly visual monitoring. A visual examination of all discharges is the least that operators can do to ensure all discharges are clean and would provide greater confirmation to themselves and other stakeholders that the representative discharge sample reduction claimed for analytic monitoring is, in fact, justified.

Comment z: Support visual monitoring with use of field test kits, which are cheaper and easier than 40 CFR 136.

Response z: Field test kits have not yet been confirmed as being as reliable as currently required analytical methods. Therefore, EPA is not allowing the use of kits in place of currently required analytical methods at this time.

Comment aa: Make visual evaluations standard.

Response aa: EPA has standard protocols for storm water sampling (the storm water sampling guidance can be obtained from EPA's Office of Water Resource Center at 202–260–7786) and the permit describes the examination procedures, parameters to be examined, meaning of results, etc.

Comment bb: Visual monitoring should be reduced commensurately in arid climates.

Response bb: EPA already allows permittees to document in their monitoring records that no discharge occurred during a monitoring quarter.

Annual Reporting

Comment cc: One option suggested by commenters was for an annual report, possibly using a standardized form, to be submitted to EPA detailing the permittee's SWPPP highlights and revisions/additions, inspections, compliance evaluations, visual monitoring results, etc. One comment against this option stated that the volume of data submitted would be too great for the Agency to evaluate. Other opponents to this option indicated that the reports would not contain enough information to evaluate SWPPP effectiveness, ensure water quality protection, or provide the information necessary to make long-term management plans. Commenters in support of the annual report concept held that it would provide a record of the permittee's commitment to storm water control, was better for evaluating SWPPP effectiveness, and would provide information to EPA to determine if sampling or a site inspection is needed.

Response cc: Information on SWPPP highlights and revisions/additions, inspections, compliance evaluations, visual monitoring results, etc. is already required to be documented in a facility's SWPPP, which, if deemed necessary, must be provided to EPA on demand. If no monitoring data were available, an annual report could be used to ensure that a facility is implementing its SWPPP. The reports could also be used to prioritize sites for inspection. However, EPA agrees that it would be very burdensome to review all the reports and very difficult to assess the effectiveness of a facility's SWPPP based on that review alone. The subjectivity inherent in annual reporting makes it an undesirable substitute for analytic monitoring. Documenting the kind of information in the annual report is already a SWPPP requirement and is, therefore, available to operators for assessing and improving their storm water programs. For these reasons, EPA will not require reports containing essentially the same information required in SWPPPs to be submitted in lieu of analytic monitoring.

Group Monitoring

Comment dd: Commenters also suggested group monitoring. In this option a consortium of like permittees would do sampling at one facility, possibly on a rotating basis. The sample results would represent all the facilities in the consortium. A variation of group monitoring is for the consortium to retain a consultant to do representative sampling and provide storm water program guidance and evaluations. Supporters of this concept said it may allow for comparisons of effectiveness of different SWPPP practices (*e.g.,* sweeping vs. catchment basin for solids control). One commenter pointed out that the feasibility of the group concept is suspect due to the fact that individual facilities may have different topography, soil and other natural conditions.

Response dd: EPA believes that technically valid BMP comparisons could be done under this type of program. However, it would be difficult and very resource-intensive for EPA to establish criteria for group eligibility and then monitor to ensure that groups met these criteria.

Watershed Monitoring

Comment ee: Commenters suggested conducting watershed monitoring rather than monitoring at the facility. This option involves replacing the monitoring of discrete storm water discharges with ambient receiving water monitoring on a watershed basis.

Response ee: Watershed monitoring is invaluable to making real conclusions regarding storm water impacts of water quality, and will be employed in making total maximum daily load (TMDL) determinations. However, watershed monitoring cannot replace facility-specific storm water discharge monitoring to determine the loads contributed by the facilities and to evaluate the effectiveness of the SWPPP.

Monitoring Only in Impaired Waters

Comment ff: Several commenters supported requiring monitoring only in impaired water bodies and for pollutants that cause the impairment.

Response ff: Although this option would focus attention on the problem water bodies and possible pollutant sources, EPA and a commenter point out that not all impaired water bodies and their impairments have been determined. The goal of EPA's storm water program is also to protect and maintain water quality, not just remediate impaired waters, so focusing on impaired waters only does not fulfill all the program's responsibilities.

Section VII Cost Estimates for Common Permit Requirements

Comment: EPA incorrectly estimated costs associated with the original MSGP. The new permit imposes even more costs. EPA must better estimate these costs, especially for small businesses. EPA should conduct a Regulatory Flexibility Analysis as well as perform a Small Business Regulatory Enforcement Fairness Act (SBREFA) consultation.

Response: The Regulatory Flexibility Act (RFA), as amended by the Small Business Regulatory Enforcement Fairness Act (SBREFA) generally requires an agency to prepare a regulatory flexibility analysis for any rule subject to notice and comment rulemaking requirements under the Administrative Procedure Act or any other statute. Under section 605(b) of the RFA, however, if the head of an agency certifies that a rule will not have a significant economic impact on a substantial number of small entities, the statute does not require the agency to prepare a regulatory flexibility analysis.

The MSGP–2000 provides facilities the option of obtaining a general permit

rather than applying for individual permits; it does not extend coverage of the existing NPDES regulations. Therefore, the costs associated with obtaining a permit were already addressed when the NPDES regulations were issued. Furthermore, the MSGP–2000 is intended to reduce costs by providing a streamlined procedure for obtaining permit coverage. For these reasons, there was no requirement on EPA to conduct a separate analysis to support the MSGP–2000.

X. Economic Impact (Executive Order 12866)

Under Executive Order 12866 [58 FR 51735 (October 4, 1993)], the Agency must determine whether the regulatory action is ''significant'' and therefore subject to OMB review and the requirements of the Executive Order. The Order defines ''significant regulatory action'' as one that is likely to result in a rule that may have an annual effect on the economy of $100 million or more or adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, public health or safety, or State, local, or tribal governments or communities; create a serious inconsistency or otherwise interfere with an action taken or planned by another agency; materially alter the budgetary impact of entitlements, grants, user fees, or loan programs or the rights and obligations of recipients thereof; or raise novel legal or policy issues arising out of legal mandates, the President's priorities, or the principles set forth in the Executive Order.

EPA has determined that the reissued MSGP is not a ''significant regulatory action'' under the terms of Executive Order 12866 and is therefore not subject to formal OMB review prior to proposal.

XI. Unfunded Mandates Reform Act

Section 201 of the Unfunded Mandates Reform Act (UMRA), Public Law 104–4, generally requires Federal agencies to assess the effects of their ''regulatory actions'' on State, local, and tribal governments and the private sector. UMRA uses the term ''regulatory actions'' to refer to regulations. (See, *e.g.,* UMRA section 201, ''Each agency shall * * * assess the effects of Federal regulatory actions * * * (other than to the extent that such regulations incorporate requirements specifically set forth in law)'' (emphasis added)). UMRA section 102 defines ''regulation'' by reference to 2 U.S.C. 658 which in turn defines ''regulation'' and ''rule'' by reference to section 601(2) of the Regulatory Flexibility Act (RFA). That section of the RFA defines ''rule'' as ''any rule for which the agency publishes a notice of proposed rulemaking pursuant to section 553(b) of [the Administrative Procedure Act (APA)], or any other law * * *''

As discussed in the RFA section of this notice, NPDES general permits are not ''rules'' under the APA and thus not subject to the APA requirement to publish a notice of proposed rulemaking. NPDES general permits are also not subject to such a requirement under the CWA. While EPA publishes a notice to solicit public comment on draft general permits, it does so pursuant to the CWA section 402(a) requirement to provide ''an opportunity for a hearing.'' Thus, NPDES general permits are not ''rules'' for RFA or UMRA purposes.

EPA has determined that today's MSGP reissuance does not result in expenditures of $100 million or more for State, local and Tribal governments, in the aggregate, or the private sector in any one year.

The Agency also believes that the final MSGP will not significantly nor uniquely affect small governments. For UMRA purposes, ''small governments'' is defined by reference to the definition of ''small governmental jurisdiction'' under the RFA. (See UMRA section 102(1), referencing 2 U.S.C. 658, which references section 601(5) of the RFA.) ''Small governmental jurisdiction'' means governments of cities, counties, towns, etc., with a population of less than 50,000, unless the agency establishes an alternative definition.

Today's final MSGP also will not uniquely affect small governments because compliance with the final permit conditions affects small governments in the same manner as any other entities seeking coverage under the final permit.

XII. Paperwork Reduction Act

EPA has reviewed the requirements imposed on regulated facilities resulting from the final MSGP under the Paperwork Reduction Act of 1980, 44 U.S.C. 3501 *et seq.* The information collection requirements of the MSGP have already been approved in previous submissions made for the NPDES permit program under the provisions of the CWA.

XIII. Regulatory Flexibility Act

The Agency has determined that the final MSGP being published today is not subject to the Regulatory Flexibility Act (''RFA''), which generally requires an agency to conduct a regulatory flexibility analysis of any significant impact the rule will have on a substantial number of small entities. By its terms, the RFA only applies to rules subject to notice-and-comment rulemaking requirements under the Administrative Procedure Act (''APA'') or any other statute. Today's final MSGP is not subject to notice and comment requirements under the APA or any other statute because the APA defines ''rules'' in a manner that excludes permits. See APA section 551(4), (6), and (8).

APA section 553 does not require public notice and opportunity for comment for interpretative rules or general statements of policy. In addition to finalizing the new MSGP, today's notice repeats for the convenience of the reader an interpretation of existing regulations promulgated almost twenty years ago. The action would impose no new or additional requirements.

Authorization to Discharge Under the National Pollutant Discharge Elimination System

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 *et seq.*), operators of discharges associated with industrial activities that submit a complete Notice of Intent in accordance with Part 2.2 for a discharge that is located in an area specified in Part 1.1 and eligible for permit coverage under Part 1.2 are authorized to discharge pollutants to waters of the United States in accordance with the conditions and requirements set forth herein.

This permit becomes effective on October 30, 2000.

This permit and the authorization to discharge expire at midnight, October 30, 2005.

Signed and issued this 15th day of September, 2000.

Linda M. Murphy,

Director, Office of Ecosystem Protection, Region 1.

Signed and issued this 15th day of September, 2000.

Kathleen C. Callahan,

Director, Division of Environmental Planning and Protection, Region 2.

Signed and issued this 15th day of September, 2000.

Joseph T. Piotrowski,

Acting Director, Water Protection Division, Region 3.

Signed and issued this 12th day of September, 2000.

Douglas Mundrick,

Acting Deputy Division Director, Water Management Division, Region 4.

Signed and issued this 27th day of September, 2000.

Sam Becker,

Acting Director, Water Quality Protection Division, Region 6.

Signed and issued this 2d day of October, 2000.

Stephen S. Tuber,

Acting Assistant Regional Administrator, Office of Partnerships and Regulatory Assistance, Region 8.

Signed and issued this 28th day of September, 2000.

Alexis Strauss,

Director, Water Division, Region 9.

Signed and issued this 14th day of September, 2000.

Michael A. Bussell,

Deputy Director, Office of Water, Region 10.

NPDES Multi-Sector General Permits for Storm Water Discharges Associated With Industrial Activities

Table of Contents

Note: In the Spirit of the Agency's ''Readable Regulations'' policy, this permit was written as much as practicable in a more reader-friendly, plain language format that should make it easier for people less familiar with traditional EPA permits and regulations to read and understand the permit requirements. Terms like ''you'' and ''your'' are used to refer to the party(ies) that are operators of a discharge, applicants, permittees, etc. Terms like ''must'' are used

instead of ''shall.'' Phrasing such as ''If you. * * * '' is used to identify conditions that may not apply to all permittees.

1. Coverage Under This Permit

1.1 Permit Area

The permit language is structured as if it were a single permit, with State, Indian country land or other area-specific conditions contained in Part 13. Permit coverage is actually provided by legally separate and distinctly numbered permits, all of which are contained herein, and which cover each of the areas listed in Parts 1.1.1 through 1.1.10.

Note: EPA can only provide permit coverage for areas and classes of discharges not within the scope of a State's NPDES authorization. For discharges not described in an area of coverage below, please contact the appropriate State NPDES permitting authority to obtain a permit.

1.1.1 EPA Region 1: CT, MA, ME, NH, RI, VT

The states of Connecticut, Rhode Island, and Vermont are the NPDES Permitting Authority for the majority of discharges within their respective states.

Permit No.	Areas of coverage/where EPA is permitting authority
CTR05*##I	Indian country lands within the State of Connecticut.
MAR05*###	Commonwealth of Massachusetts, except Indian country lands.
MAR05*##I	Indian country lands within the Commonwealth of Massachusetts.
MER05*###	State of Maine, except Indian country lands.
MER05*##I	Indian country lands within the State of Maine.
NHR05*###	State of New Hampshire.
RIR05*##I	Indian country lands within the State of Rhode Island.
VTR05*##F	Federal Facilities in the State of Vermont.

1.1.2 EPA Region 2: NJ, NY, PR, VI

The state of New York is the NPDES Permitting Authority for the majority of discharges within that state. New Jersey and the Virgin Islands are the NPDES Permitting Authority for all discharges within their respective states.

Permit No.	Areas of coverage/where EPA is permitting authority
PRR05*###	The Commonwealth of Puerto Rico.

1.1.3 EPA REGION 3: DE, DC, MD, PA, VA, WV

The state of Delaware is the NPDES Permitting Authority for the majority of discharges within that state. Maryland, Pennsylvania, and Virginia, West Virginia are the NPDES Permitting Authority for all discharges within these states.

Permit No.	Areas of coverage/where EPA is permitting authority
DCR05*###	The District of Columbia.
DER05*##F	Federal Facilities in the State of Delaware.

1.1.4 EPA Region 4: AL, FL, GA, KY, MS, NC, SC, TN

The states of Alabama, Florida, Mississippi, and North Carolina are the NPDES Permitting Authority for the majority of discharges within their respective states. Georgia, Kentucky, South Carolina and Tennessee are the NPDES Permitting Authority for all discharges within their respective states.

Permit No.	Areas of coverage/where EPA is permitting authority
ALR05*##I	Indian country lands within the State of Alabama.
FLR05*##I	Indian country lands within the State of Florida.
MSR05*##I	Indian country lands within the State of Mississippi.
NCR05*##I	Indian country lands within the State of North Carolina.

1.1.5 EPA Region 5: IL, IN, MI, MN, OH, WI

Coverage Not Available.

1.1.6 EPA Region 6: AR, LA, OK, TX, NM (Except See Region 9 for Navajo Lands, and See Region 8 for Ute Mountain Reservation Lands)

The states of Louisiana, Oklahoma, and Texas are the NPDES Permitting Authority for the majority of discharges within their respective states. Arkansas is the NPDES Permitting Authority for all discharges within that state.

Permit No.	Areas of coverage/where EPA is permitting authority
LAR05*##I	Indian country lands within the State of Louisiana.
NMR05*###	The State of New Mexico, except Indian country lands.
NMR05*##I	Indian country lands within the State of New Mexico, except Navajo Reservation Lands that are covered under Arizona permit AZR05*##I listed in Part 1.1.9 and Ute Mountain Reservation Lands that are covered under Colorado permit COR05*##I listed in Part 1.1.8.
OKR05*##I	Indian country lands within the State of Oklahoma.
OKR05*##F	Facilities in the State of Oklahoma not under the jurisdiction of the Oklahoma Department of Environmental Quality, except those on Indian country lands. EPA-jurisdiction facilities include SIC codes 1311, 1381, 1382, 1389 and 5171 and point source (but not non-point source) discharges associated with agricultural production, services, and silviculture.

Permit No.	Areas of coverage/where EPA is permitting authority
TXR05*##F	Facilities in the State of Texas not under the jurisdiction of the Texas Natural Resource Conservation Commission, except those on Indian country lands. EPA-jurisdiction facilities include SIC codes 1311, 1321, 1381, 1382, and 1389 (other than oil field service company ''home base'' facilities).
TXR05*##I	Indian country lands within the State of Texas.

1.1.7 EPA Region 7: IA, KS, MO, NE

Coverage Not Available.

1.1.8 EPA Region 8: CO, MT, ND, SD, WY, UT (Except See Region 9 for Goshute Reservation and Navajo Reservation Lands), the Ute Mountain Reservation in NM, and the Pine Ridge Reservation in NE

The states of Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming are the NPDES Permitting Authority for the majority of discharges within their respective states.

Permit No.	Areas of coverage/where EPA is permitting authority
COR05*##F	Federal Facilities in the State of Colorado, except those located on Indian country lands which are covered under Colorado permit CORO5*##I below.
COR05*##I	Indian country lands within the State of Colorado, including the portion of the Ute Mountain Reservation located in New Mexico.
MTR05*##I	Reserved.
NDR05*##I	Indian country lands within the State of North Dakota, including that portion of the Standing Rock Reservation located in South Dakota except Indian country within the former boundaries of the Lake Traverse Reservation that is covered under South Dakota permit SDR05*##I listed below.
SDR05*##I	Indian country lands within the State of South Dakota, including the portion of the Pine Ridge Reservation located in Nebraska and the portion of Indian country within the former boundaries of the Lake Traverse Reservation located in North Dakota except for the Standing Rock Reservation that is covered under North Dakota permit NDR05*##I listed above.
UTR05*##I	Indian country lands within the State of Utah, except Goshute and Navajo Reservation lands that are covered under Arizona permit AZR05*##I (Goshute) listed in Part 1.1.9 and Nevada permit NVR05*##I (Navajo) listed in Part 1.1.9.
WYR05*##I	Indian country lands within the State of Wyoming.

1.1.9 EPA Region 9: CA, HI, NV, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, the Goshute Reservation in UT and NV, the Navajo Reservation in UT, NM, and AZ, the Duck Valley Reservation in ID, and the Fort McDermitt Reservation in OR

The states of California and Nevada are the NPDES Permitting Authority for the majority of discharges within their respective states. Hawaii is the NPDES Permitting Authority for all discharges within that state.

Permit No.	Areas of coverage/where EPA is permitting authority
ASR05*###	The Island of American Samoa.
AZR05*###	The State of Arizona, except Indian country lands.
AZR05*##I	Indian country lands within the State of Arizona, including Navajo Reservation lands in New Mexico and Utah.
CAR05*##I	Indian country lands within the State of California.
GUR05*###	The Island of Guam.
JAR05*###	Johnston Atoll.
MWR05*###	Midway Island and Wake Island.
NIR05*###	Commonwealth of the Northern Mariana Islands.
NVR05*##I	Indian country lands within the State of Nevada, including the Duck Valley Reservation in Idaho, the Fort McDermitt Reservation in Oregon and the Goshute Reservation in Utah.

1.1.10 Region 10: AK, ID (Except See Region 9 for Duck Valley Reservation Lands), OR (Except See Region 9 for Fort McDermitt Reservation), WA

The states of Oregon and Washington are the NPDES Permitting Authority for the majority of discharges within their respective states. The 1995 Multi-Sector General Permit was issued in the State of Alaska on February 9, 1996 (61 FR 5247) and the terms and conditions of the 1995 permit are effective for facilities in Alaska through February 9, 2001. EPA will reissue this permit for the State of Alaska at a future date.

Permit No.	Areas of coverage/where EPA is permitting authority
AKR05*##I	Indian country lands within Alaska.
IDR05*###	The State of Idaho, except Indian country lands.
IDR05*##I	Indian country lands within the State of Idaho, except Duck Valley Reservation lands which are covered under Nevada permit NVR05*##I listed in Part 1.1.9.
ORR05*##I	Indian country lands within the State of Oregon except Fort McDermitt Reservation lands that are covered under Nevada permit NVR05*##I listed in Part 1.1.9.
WAR05*##I	Indian country lands within the State of Washington.
WAR05*##F	Federal Facilities in the State of Washington, except those located on Indian country lands.

1.2 Eligibility

You must maintain permit eligibility to discharge under this permit. Any discharges that are not compliant with the eligibility conditions of this permit are not authorized by the permit and you must either apply for a separate permit to cover those ineligible discharges or take necessary steps to make the discharges eligible for coverage.

1.2.1 Facilities Covered

Your permit eligibility is limited to discharges from facilities in the ''sectors'' of industrial activity based on Standard Industrial Classification (SIC) codes and Industrial Activity Codes summarized in Table 1–1. References to ''sectors'' in this permit (*e.g.*, sector-specific monitoring requirements, *etc.*) refer to these sectors.

TABLE 1–1.—SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT

SIC code or activity code [1]	Activity represented
Sector A: Timber Products	
2411	Log Storage and Handling (Wet deck storage areas only authorized if no chemical additives are used in the spray water or applied to the logs).
2421	General Sawmills and Planning Mills.
2426	Hardwood Dimension and Flooring Mills.
2429	Special Product Sawmills, Not Elsewhere Classified.
2431–2439 (except 2434)	Millwork, Veneer, Plywood, and Structural Wood (see Sector W).
2448, 2449	Wood Containers.
2451, 2452	Wood Buildings and Mobile Homes.
2491	Wood Preserving.
2493	Reconstituted Wood Products.
2499	Wood Products, Not Elsewhere Classified.
Sector B: Paper and Allied Products	
2611	Pulp Mills.
2621	Paper Mills.
2631	Paperboard Mills.
2652–2657	Paperboard Containers and Boxes.
2671–2679	Converted Paper and Paperboard Products, Except Containers and Boxes.
Sector C: Chemical and Allied Products	
2812–2819	Industrial Inorganic Chemicals.
2821–2824	Plastics Materials and Synthetic Resins, Synthetic Rubber, Cellulosic and Other Manmade Fibers Except Glass.
2833–2836	Medicinal chemicals and botanical products; pharmaceutical preparations; in vitro and in vivo diagnostic substances; biological products, except diagnostic substances.
2841–2844	Soaps, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations.
2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products.
2861–2869	Industrial Organic Chemicals.
2873–2879	Agricultural Chemicals.
2873	Facilities that Make Fertilizer Solely from Leather Scraps and Leather Dust.
2891–2899	Miscellaneous Chemical Products.
3952 (limited to list)	Inks and Paints, Including China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting, Artist's Paints and Artist's Watercolors.
Sector D: Asphalt Paving and Roofing Materials and Lubricants	
2951, 2952	Asphalt Paving and Roofing Materials.
2992, 2999	Miscellaneous Products of Petroleum and Coal.
Sector E: Glass Clay, Cement, Concrete, and Gypsum Products	
3211	Flat Glass.
3221, 3229	Glass and Glassware, Pressed or Blown.
3231	Glass Products Made of Purchased Glass.
3241	Hydraulic Cement.
3251–3259	Structural Clay Products.
3261–3269	Pottery and Related Products.
3271–3275	Concrete, Gypsum and Plaster Products.
3291–3299	Abrasive, Asbestos, and Miscellaneous Nonmetallic Mineral Products.
Sector F: Primary Metals	
3312–3317	Steel Works, Blast Furnaces, and Rolling and Finishing Mills.
3321–3325	Iron and Steel Foundries.
3331–3339	Primary Smelting and Refining of Nonferrous Metals.
3341	Secondary Smelting and Refining of Nonferrous Metals.
3351–3357	Rolling, Drawing, and Extruding of Nonferrous Metals.

TABLE 1–1.—SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT—Continued

SIC code or activity code [1]	Activity represented
3363–3369	Nonferrous Foundries (Castings).
3398, 3399	Miscellaneous Primary Metal Products.
Sector G: Metal Mining (Ore Mining and Dressing)	
1011	Iron Ores.
1021	Copper Ores.
1031	Lead and Zinc Ores.
1041, 1044	Gold and Silver Ores.
1061	Ferroalloy Ores, Except Vanadium.
1081	Metal Mining Services.
1094, 1099	Miscellaneous Metal Ores.
Sector H: Coal Mines and Coal Mining Related Facilities	
1221–1241	Coal Mines and Coal Mining-Related Facilities.
Sector I: Oil and Gas Extraction and Refining	
1311	Crude Petroleum and Natural Gas.
1321	Natural Gas Liquids.
1381–1389	Oil and Gas Field Services.
2911	Petroleum Refineries.
Sector J: Mineral Mining and Dressing	
1411	Dimension Stone.
1422–1429	Crushed and Broken Stone, Including Rip Rap.
1442, 1446	Sand and Gravel
1455, 1459	Clay, Ceramic, and Refractory Materials.
1474–1479	Chemical and Fertilizer Mineral Mining.
1481	Nonmetallic Minerals Services, Except Fuels.
1499	Miscellaneous Nonmetallic Minerals, Except Fuels.
Sector K: Hazardous Waste Treatment, Storage, or Disposal Facilities	
HZ	Hazardous Waste Treatment Storage or Disposal.
Sector L: Landfills and Land Application Sites	
LF	Landfills, Land Application Sites, and Open Dumps.
Sector M: Automobile Salvage Yards	
5015	Automobile Salvage Yards.
Sector N: Scrap Recycling Facilities	
5093	Scrap Recycling Facilities.
Sector O: Steam Electric Generating Facilities	
SE	Steam Electric Generating Facilities.
Sector P: Land Transportation and Warehousing	
4011, 4013	Railroad Transportation.
4111–4173	Local and Highway Passenger Transportation.
4212–4231	Motor Freight Transportation and Warehousing.
4311	United States Postal Service.
5171	Petroleum Bulk Stations and Terminals.
Sector Q: Water Transportation	
4412–4499	Water Transportation.
Sector R: Ship and Boat Building or Repairing Yards	
3731,3732	Ship and Boat Building or Repairing Yards.
Sector S: Air Transportation	
4512–4581	Air Transportation Facilities.

TABLE 1–1.—SECTORS OF INDUSTRIAL ACTIVITY COVERED BY THIS PERMIT—Continued

SIC code or activity code [1]	Activity represented
Sector T: Treatment Works	
TW	Treatment Works.
Sector U: Food and Kindred Products	
2011–2015	Meat Products.
2021–2026	Dairy Products.
2032	Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties.
2041–2048	Grain Mill Products.
2051–2053	Bakery Products.
2061–2068	Sugar and Confectionery Products.
2074–2079	Fats and Oils.
2082–2087	Beverages.
2091–2099	Miscellaneous Food Preparations and Kindred Products.
2111–2141	Tobacco Products.
Sector V: Textile Mills, Apparel, and Other Fabric Product Manufacturing, Leather and Leather Products	
2211–2299	Textile Mill Products.
2311–2399	Apparel and Other Finished Products Made From Fabrics and Similar Materials.
3131–3199 (except 3111)	Leather and Leather Products, except Leather Tanning and Finishing (see Sector Z).
Sector W: Furniture and Fixtures	
2434	Wood Kitchen Cabinets.
2511–2599	Furniture and Fixtures.
Sector X: Printing and Publishing	
2711–2796	Printing, Publishing, and Allied Industries.
Sector Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries.	
3011	Tires and Inner Tubes.
3021	Rubber and Plastics Footwear.
3052, 3053	Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting.
3061, 3069	Fabricated Rubber Products, Not Elsewhere Classified.
3081–3089	Miscellaneous Plastics Products.
3931	Musical Instruments.
3942–3949	Dolls, Toys, Games and Sporting and Athletic Goods.
3951–3955 (except 3952 facilities as specified in Sector C).	Pens, Pencils,and Other Artists' Materials.
3961, 3965	Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal.
3991–3999	Miscellaneous Manufacturing Industries.
3411–3499	Fabricated Metal Products, Except Machinery and Transportation Equipment.
3911–3915	Jewelry, Silverware, and Plated Ware.
Sector AB: Transportation Equipment, Industrial or Commercial Machinery	
3511–3599 (except 3571–3579)	Industrial and Commercial Machinery (except Computer and Office Equipment) (see Sector AC).
3711–3799 (except 3731, 3732)	Transportation Equipment (except Ship and Boat Building and Repairing) (see Sector R).
Sector AC: Electronic, Electrical, Photographic, and Optical Goods	
3571–3579	Computer and Office Equipment.
3612–3699	Electronic, Electrical Equipment and Components, except Computer Equipment.
3812	Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods.
Sector AD: Non-Classified Facilities	
N/A	Other storm water discharges designated by the Director as needing a permit (see 40 CFR 122.26(g)(1)(I)) or any facility discharging storm water associated with industrial activity not described by any of Sectors A–AC. **Note:** Facilities may not elect to be covered under Sector AD. Only the Director may assign a facility to Sector AD.

[1] A complete list of SIC codes (and conversions from the newer North American Industry Classification System (NAICS)) can be obtained from the Internet at *http://www.census.gov/epcd/www/naics.html* or in paper form from various locations in the document entitled ''Handbook of Standard Industrial Classifications,'' Office of Management and Budget, 1987. Industrial activity codes are provided on the Multi-Sector General Permit Notice of Intent (NOI) application form (EPA Form Number 3510–6).

1.2.1.1 *Co-located Activities.* If you have co-located industrial activities on-site that are described in a sector(s) other than your primary sector, you must comply with all other applicable sector-specific conditions found in Part 6 for the co-located industrial activities. The extra sector-specific requirements are applied only to those areas of your facility where the extra-sector activities occur. An activity at a facility is not considered co-located if the activity, when considered separately, does not meet the description of a category of industrial activity covered by the storm water regulations, and identified by the MSGP–2000 SIC code list. For example, unless you are actually hauling substantial amounts of freight or materials with your own truck fleet or are providing a trucking service to outsiders, simple maintenance of vehicles used at your facility is unlikely to meet the SIC code group 42 description of a motor freight transportation facility. Even though Sector P may not apply, the runoff from your vehicle maintenance facility would likely still be considered storm water associated with industrial activity. As such, your SWPPP must still address the runoff from the vehicle maintenance facility—although not necessarily with the same degree of detail as required by Sector P—but you would not be required to monitor as per Sector P.

If runoff from co-located activities commingles, you must monitor the discharge as per the requirements of all applicable sectors (regardless of the actual location of the discharge). If you comply with all applicable requirements from all applicable sections of Part 6 for the co-located industrial activities, the discharges from these co-located activities are authorized by this permit.

1.2.2 Discharges Covered

1.2.2.1 *Allowable Storm Water Discharges.* Subject to compliance with the terms and conditions of this permit, you are authorized to discharge pollutants in:

1.2.2.1.1 Discharges of storm water runoff associated with industrial activities as defined in 40 CFR 122.26 (b)(14)(i–ix and xi) from the sectors of industry described in Table 1–1, and that are specifically identified by outfall or discharge location in the Storm Water Pollution Prevention Plan (see Part 4.2.2.3.7);

1.2.2.1.2 Non-storm water discharges as noted in Part 1.2.2.2 or otherwise specifically allowed by the permit;

1.2.2.1.3 Discharges subject to an effluent guideline listed in Table 1–2 that also meet all other eligibility requirements of the permit. Interim coverage is also available for discharges subject to a new storm water effluent limitation guideline promulgated after the effective date of this permit. Discharges subject to a New Source Performance Standard (NSPS) effluent guideline must also meet the requirements of Part 1.2.4.;

1.2.2.1.4 Discharges designated by the Director as needing a storm water permit under 40 CFR 122.26(a)(1)(v) or under 122.26(a)(9) and 122.26(g)(1)(i); and

1.2.2.1.5 Discharges comprised of a discharge listed in Parts 1.2.2.1.1 to 1.2.2.1.4 above commingled with a discharge authorized by a different NPDES permit and/or a discharge that does not require NPDES permit authorization.

TABLE 1–2.—EFFLUENT GUIDELINES APPLICABLE TO DISCHARGES THAT MAY BE ELIGIBLE FOR PERMIT COVERAGE

Effluent guideline	New source performance standards included in effluent guidelines?	Sectors with affected facilities
Runoff from material storage piles at cement manufacturing facilities [40 CFR Part 411 Subpart C (established February 23, 1977)].	Yes	E
Contaminated runoff from phosphate fertilizer manufacturing facilities [40 CFR Part 418 Subpart A (established April 8, 1974)].	Yes	C
Coal pile runoff at steam electric generating facilities [40 CFR Part 423 (established November 19, 1982)]	Yes	O
Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas [40 CFR Part 429, Subpart I (established January 26, 1981)].	Yes	A
Mine dewatering discharges at crushed stone mines [40 CFR part 436, Subpart B]	No	J
Mine dewatering discharges at construction sand and gravel mines [40 CFR part 436, Subpart C]	No	J
Mine dewatering discharges at industrial sand mines [40 CFR part 436, Subpart D]	No	J
Runoff from asphalt emulsion facilities [40 CFR Part 443 Subpart A (established July 24, 1975)]	Yes	D
Runoff from landfills, [40 CFR Part 445, Subpart A and B (established February 2, 2000]	Yes	K & L

1.2.2.2 *Allowable Non-Storm Water Discharges.* You are also authorized for the following non-storm water discharges, provided the non-storm water component of your discharge is in compliance with Part 4.4.2 (non-storm water discharges):

1.2.2.2.1 Discharges from fire fighting activities;

1.2.2.2.2 Fire hydrant flushings;

1.2.2.2.3 Potable water including water line flushings;

1.2.2.2.4 Uncontaminated air conditioning or compressor condensate;

1.2.2.2.5 Irrigation drainage;

1.2.2.2.6 Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions;

1.2.2.2.7 Pavement wash waters where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed);

1.2.2.2.8 Routine external building wash down which does not use detergents;

1.2.2.2.9 Uncontaminated ground water or spring water;

1.2.2.2.10 Foundation or footing drains where flows are not contaminated with process materials such as solvents;

1.2.2.2.11 Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of your facility, but NOT intentional discharges from the cooling tower (*e.g.*, ''piped'' cooling tower blowdown or drains).

1.2.3 Limitations on Coverage

1.2.3.1 *Prohibition on Discharges Mixed with Non-Storm Water.* You are not authorized for discharges that are mixed with sources of non-storm water. This exclusion does not apply to discharges identified in Part 1.2.2.2, provided the discharges are in compliance with Part 4.4.2 (Storm

Water Pollution Prevention Plan requirements for authorized non-storm water discharges), and to any discharge explicitly authorized by the permit.

1.2.3.2 *Storm Water Discharges Associated with Construction Activity.* You are not authorized for storm water discharges associated with construction activity as defined in 40 CFR 122.26(b)(14)(x) or 40 CFR 122.26(b)(15).

1.2.3.3 *Discharges Currently or Previously Covered by Another Permit.* You are not authorized for the following:

1.2.3.3.1 Storm water discharges associated with industrial activity that are currently covered under an individual permit or an alternative general permit.

1.2.3.3.2 Discharges previously covered by an individual permit or alternative general permit (except the 1992 ''Baseline'' or the 1995 Multi-Sector NPDES General Permits for Storm Water Discharges Associated With Industrial Activity) that has expired, or been terminated at the request of the permittee unless:

1.2.3.3.2.1 The individual permit did not contain numeric water quality-based limitations developed for the storm water component of the discharge; and

1.2.3.3.2.2 The permittee includes any specific BMPs for storm water required under the individual permit in the SWPPP required under Part 4 of this permit.

1.2.3.3.3 Storm water discharges associated with industrial activity from facilities where any NPDES permit has been or is in the process of being denied, terminated, or revoked by the Director (other than in a replacement permit issuance process). Upon request, the Director may waive this exclusion if operator of the facility has since passed to a different owner/operator and new circumstances at the facility justify a waiver.

1.2.3.4 *Discharges Subject to Effluent Limitations Guidelines.* You are not authorized for discharges subject to any effluent limitation guideline that is not included in Table 1–2. For discharges subject to a New Source Performance Standard (NSPS) effluent guideline identified in Table 1–2, you must comply with Part 1.2.4 prior to being eligible for permit coverage.

1.2.3.5 *Discharge Compliance with Water Quality Standards.* You are not authorized for storm water discharges that the Director determines will cause, or have reasonable potential to cause or contribute to, violations of water quality standards. Where such determinations have been made, the Director may notify you that an individual permit application is necessary in accordance with Part 9.12. However, the Director may authorize your coverage under this permit after you have included appropriate controls and implementation procedures designed to bring your discharges into compliance with water quality standards in your Storm Water Pollution Prevention Plan.

1.2.3.6 *Endangered and Threatened Species or Critical Habitat Protection.* You are not authorized for discharges that do not avoid unacceptable effects on Federally listed endangered and threatened (''listed'') species or designated critical habitat (''critical habitat'').

Caution: Additional endangered and threatened species have been listed and critical habit designated since the 1995 MSGP was issued. Even if you were previously covered by the 1995 MSGP, you must determine eligibility for this permit through the processes described below and in Addendum A. Where applicable, you may incorporate information from your previous endangered species analysis in your documentation of eligibility for this permit.

1.2.3.6.1 Coverage under this permit is available only if your storm water discharges, allowable non-storm water discharges, and discharge-related activities are not likely to jeopardize the continued existence of any species that are listed as endangered or threatened (''listed'') under the ESA or result in the adverse modification or destruction of habitat that is designated or proposed to be designated as critical under the ESA (''critical habitat''). Submission of a signed NOI will be deemed to also constitute your certification of eligibility.

1.2.3.6.2 ''Discharge-related activities'' include: activities which cause, contribute to, or result in storm water point source pollutant discharges; and measures to control storm water discharges including the siting, construction and operation of best management practices (BMPs) to control, reduce or prevent storm water pollution.

1.2.3.6.3 *Determining Eligibility:* You must use the most recent Endangered and Threatened Species County-Species List available from EPA and the process in Addendum A (ESA Screening Process) to determine your eligibility *PRIOR* to submittal of your NOI. As of the effective date of this permit, the most current version of the List is located on the EPA Office of Water Web site at *http://www.epa.gov/owm/esalst2.htm.* You must meet one or more of the criteria in 1.2.3.6.3.1 through 1.2.3.6.3.5 below for the entire term of coverage under the permit. You must include a certification of eligibility and supporting documentation on the eligibility determination in your Storm Water Pollution Prevention Plan.

1.2.3.6.3.1 *Criteria A:* No endangered or threatened species or critical habitat are in proximity to your facility or the point where authorized discharges reach the receiving water; or

1.2.3.6.3.2 *Criteria B:* In the course of a separate federal action involving your facility (*e.g.*, EPA processing request for an individual NPDES permit, issuance of a CWA § 404 wetlands dredge and fill permit, *etc.*), formal or informal consultation with the Fish and Wildlife Service and/or the National Marine Fisheries Service (the ''Services'') under section 7 of the Endangered Species Act (ESA) has been concluded and that consultation:

(a) Addressed the effects of your storm water discharges, allowable non-storm water discharges, and discharge-related activities on listed species and critical habitat and

(b) The consultation resulted in either a no jeopardy opinion or a written concurrence by the Service on a finding that your storm water discharges, allowable non-storm water discharges, and discharge-related activities are not likely to adversely affect listed species or critical habitat; or

1.2.3.6.3.3 *Criteria C:* Your activities are authorized under section 10 of the ESA and that authorization addresses the effects of your storm water discharges, allowable non-storm water discharges, and discharge-related activities on listed species and critical habitat; or

1.2.3.6.3.4 *Criteria D:* Using best judgement, you have evaluated the effects of your storm water discharges, allowable non-storm water discharges, and discharge-related activities on listed endangered or threatened species and critical habitat and do not have reason to believe listed species or critical habitat would be adversely affected.

1.2.3.6.3.5 *Criteria E:* Your storm water discharges, allowable non-storm water discharges, and discharge-related activities were already addressed in another operator's certification of eligibility under Part 1.2.3.6.3.1 through 1.2.3.6.3.4 which included your facility's activities. By certifying eligibility under this Part, you agree to comply with any measures or controls upon which the other operator's certification was based;

1.2.3.6.4 The Director may require any permittee or applicant to provide documentation of the permittee or applicant's determination of eligibility for this permit using the procedures in Addendum A where EPA or the Fish

and Wildlife and/or National Marine Fisheries Services determine that there is a potential impact on endangered or threatened species or a critical habitat.

1.2.3.6.5 You are not authorized to discharge if the discharges or discharge-related activities cause a prohibited ''take'' of endangered or threatened species (as defined under section 3 of the Endangered Species Act and 50 CFR 17.3), unless such takes are authorized under sections 7 or 10 of the Endangered Species Act.

1.2.3.6.6 You are not authorized for any discharges where the discharges or discharge-related activities are likely to jeopardize the continued existence of any species that are listed as endangered or threatened under the ESA or result in the adverse modification or destruction of habitat that is designated or proposed to be designated as critical under the ESA.

1.2.3.6.7 The Endangered Species Act (ESA) provisions upon which part 1.2.3.6 is based do not apply to state-issued permits. Should administration of all or a portion of this permit be transfer to a State as a result of that State assuming the NPDES program pursuant to Clean Water Act § 402(b), Part 1.2.3.6 will not apply to any new NOIs submitted to the State after the State assumes administration of the permit (unless otherwise provided in the state program authorization agreement). Likewise, any other permit conditions based on Part 1.2.3.6 will no longer apply to new NOIs accepted by the NPDES-authorized state.

1.2.3.7 *Storm water Discharges and Storm Water Discharge-Related Activities with Unconsidered Adverse Effects on Historic Properties.*

1.2.3.7.1 *Determining Eligibility:* In order to be eligible for coverage under this permit, you must be in compliance with the National Historic Preservation Act. Your discharges may be authorized under this permit only if:

1.2.3.7.1.1 *Criteria A:* Your storm water discharges, allowable non-storm water discharges, and discharge-related activities do not affect a property that is listed or is eligible for listing on the National Register of Historic Places as maintained by the Secretary of the Interior; or

1.2.3.7.1.2 *Criteria B:* You have obtained and are in compliance with a written agreement with the State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) that outlines all measures you will undertake to mitigate or prevent adverse effect to the historic property.

1.2.3.7.2 Addendum B of this permit provides guidance and references to assist you with determining your permit eligibility concerning this provision.

1.2.3.8 *Discharges to Water Quality-Impaired or Water Quality-Limited Receiving Waters.*

1.2.3.8.1 You are not authorized to discharge if your discharge is prohibited under 40 CFR 122.4(i).

1.2.3.8.2 You are not authorized to discharge any pollutant into any water for which a Total Maximum Daily Load (TMDL) has been either established or approved by the EPA unless your discharge is consistent with that TMDL.

1.2.3.9 *Storm Water Discharges Subject to Anti-degradation Water Quality Standards.* You are not authorized for discharges that do not comply with your State or Tribe's anti-degradation policy for water quality standards. State and Tribal anti-degradation policies can be obtained from the appropriate State or Tribal environmental office or their Internet sites.

1.2.4 Discharges Subject to New Source Performance Standards (NSPS)[1] [2]

1.2.4.1 *Documentation of New Source Review.* If you have a discharge(s) subject to a NSPS effluent guideline, you must obtain and retain the following on site prior to the submittal of your Notice of Intent:

1.2.4.1.1 Documentation from EPA of ''No Significant Impact'' or

1.2.4.1.2 A completed Environmental Impact Statement in accordance with an environmental review conducted by EPA pursuant to 40 CFR 6.102(a)(6).

1.2.4.2 *Initiating a New Source Review.* If the Agency's decision has not been obtained, you may use the format and procedures specified in Addendum C to submit information to EPA to initiate the process of the environmental review.

To maintain eligibility, you must implement any mitigation required of the facility as a result of the National Environmental Policy Act (NEPA) review process. Failure to implement mitigation measures upon which the Agency's NEPA finding is based is grounds for termination of permit coverage.

1.2.4.3 *NEPA Requirements after State Assumption of this Permit.* The National Environmental Policy Act (NEPA) provisions upon which part 1.2.4 is based do not apply to state-issued permits. Should administration of all or a portion of this permit be transfer to a State as a result of that State assuming the NPDES program pursuant to Clean Water Act § 402(b), Part 1.2.4 will not apply to any new NOIs submitted to the State after the State assumes administration of the permit. Likewise, any other permit conditions based on Part 1.2.4 will no longer apply to new NOIs accepted by the NPDES-authorized state.

1.3 How To Obtain Authorization Under This Permit

1.3.1 Basic Eligibility

You may be authorized under this permit only if you have a discharge of storm water associated with industrial activity from your facility. In order to obtain authorization under this permit, you must:

1.3.1.1 Meet the Part 1.2 eligibility requirements; and

1.3.1.2 Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) (see definition in Part 12) according to the requirements in Part 4 of this permit.

1.3.1.3 Submit a complete Notice of Intent (NOI) in accordance with the requirements of Part 2 of this permit. Any new operator at a facility, including those who replace an operator who has previously obtained permit coverage, must submit an NOI to be covered for discharges for which they are the operator.

1.3.2 Effective Date of Permit Coverage

Unless notified by the Director to the contrary, if you submit a correctly completed NOI in accordance with the requirements of this permit, you are authorized to discharge under the terms and conditions of this permit two (2) days after the date the NOI is postmarked (but in no event, earlier than the effective date of the permit). The Director may deny coverage under this permit and require submission of an application for an individual NPDES permit based on a review of your NOI or other information (see Part 9.12). Authorization to discharge is not automatically granted two days after the NOI is mailed if your NOI is materially incomplete (*e.g.*, critical information left off, NOI unsigned, *etc.*) or if your discharge(s) is not eligible for coverage by the permit.

[1] NSPS apply only to discharges from those facilities or installations that were constructed after the promulgation of NSPS. For example, storm water discharges from areas where the production of asphalt paving and roofing emulsions occurs are subject to NSPS only if the asphalt emulsion facility was constructed after July 24, 1975.

[2] The provisions specified in Part 1.2.2.3 and Part 1.2.4 related to documenting New Source reviews are requirements of Federal programs under the National Environmental Policy Act of 1969 and will not apply to such facilities in the event that authority for the NPDES program has been assumed by the State/Tribe agency and administration of this permit has been transferred to the State/Tribe.

1.4 Terminating Coverage

1.4.1 Submitting a Notice of Termination

If you wish to terminate coverage under this permit, you must submit a Notice of Termination (NOT) in accordance with Part 11 of this permit. You must continue to comply with this permit until you submit an NOT. Your authorization to discharge under the permit terminates at midnight of the day the NOT is signed.

1.4.2 When to Submit an NOT

You must submit an NOT within thirty (30) days after one or more of the following conditions have been met:

1.4.2.1 A new owner/operator has assumed responsibility for the facility

1.4.2.2 You have ceased operations at the facility and there no longer are discharges of storm water associated with industrial activity from the facility and you have already implemented necessary sediment and erosion controls as required by Part 4.2.7.2.2.1

1.4.3 Discharges After the NOT Is Submitted

Enforcement actions may be taken if you submit an NOT without meeting one or more of these conditions, unless you have obtained coverage under an alternate permit or have satisfied the requirements of Part 1.5.

1.5 Conditional Exclusion for No Exposure

If you are covered by this permit, but later are able to file a ''no exposure'' certification to be excluded from permitting under 40 CFR 122.26(g), you are no longer authorized by nor required to comply with this permit. If you are no longer required to have permit coverage due to a ''no exposure'' exclusion, you are not required to submit a Notice of Termination.

2. Notice of Intent Requirements

2.1 Notice of Intent (NOI) Deadlines

Your NOI must be submitted in accordance with the deadlines in Table 2–1. You must meet all applicable eligibility conditions of Part 1.2 before you submit your NOI.

TABLE 2.–1—DEADLINES FOR NOI SUBMITTAL

Category	Deadline
1. Existing discharges covered under the 1995 MSGP (see also Part 2.1.2—Interim Coverage).	December 29, 2000.
2. New discharges	Two (2) days prior to commencing operation of the facility with discharges of storm water associated with industrial activity.
3. New owner/operator of existing discharges.	Two (2) days prior to taking operational control of the facility.
4. Continued coverage when the permit expires in 2005.	See Part 9.2

Only one NOI need be submitted to cover all of your activities at the facility (*e.g.*, you do not need to submit a separate NOI for each separate type of industrial activity located at a facility or industrial complex, provided your SWPPP covers each area for which you are an operator).

2.1.1 Submitting a Late NOI

You are not prohibited from submitting an NOI after the dates provided in Table 2–1. If a late NOI is submitted, your authorization is only for discharges that occur after permit coverage is granted. The Agency reserves the right to take appropriate enforcement actions for any unpermitted discharges.

2.1.2 Interim Permit Coverage for 1995 MSGP Permittees

If you had coverage for your facility under the 1995 MSGP, you may be eligible for continued coverage under this permit on an interim basis.

2.1.2.1 *Discharges Authorized Under the 1995 MSGP.* If permit coverage for your facility under the 1995 MSGP was effective as of the date the 1995 MSGP expired (or the date this permit replaced the 1995 MSGP if earlier), your authorization is automatically continued into this replacement permit on an interim basis for up to ninety (90) days from the effective date of the permit. Interim coverage will terminate earlier than the 90 days when an NOI has been submitted and coverage either granted or denied; or after submittal of an NOT.

2.1.2.2 *Discharges Authorized Under the 1995 MSGP, But Not Clearly Eligible for Coverage Under This Permit.* If you were previously covered by the 1995 MSGP, but cannot meet (or cannot immediately determine if you meet) the eligibility requirements of this permit, you may nonetheless be authorized under this permit for a period not to exceed 270 days from the date this permit is published in the **Federal Register**, provided you submit an application for an alternative permit within 90 days from the permit publication date.

2.1.2.3 *Interim Coverage Permit Requirements.* While you are operating under interim coverage status, you must:

2.1.2.3.1 Submit a complete NOI (see Part 2.2) by the deadlines listed in Table 2–1 or Part 2.1.2.2 above.

2.1.2.3.2 Comply with the terms and conditions of the 1995 MSGP.

2.1.2.3.3 Update your Storm Water Pollution Prevention Plan to comply with the requirements of this permit within 90 days after the effective date of this permit.

2.2 Contents of Notice of Intent (NOI)

Your NOI for coverage under this permit must include the following information:

2.2.1 Permit Selection

2.2.1.1 If you were covered under the previous MSGP, provide the permit number assigned to your facility.

2.2.2 Owner/Operator Information

2.2.2.1 The name, address, and telephone number of the operator (*e.g.,* your company, etc.) filing the NOI for permit coverage;

2.2.3 Facility Information

2.2.3.1 The name (or other identifier), address, county, and latitude/longitude of the facility for which the NOI is submitted;

2.2.3.2 An indication of whether you are a Federal, State, Tribal, private, or other public entity;

2.2.3.3 An indication of whether the facility is located on Indian country lands;

2.2.3.4 Certification that a Storm Water Pollution Prevention Plan (SWPPP) meeting the requirements of Part 4 has been developed (including attaching a copy of this permit to the plan;

2.2.3.5 The name of the receiving water(s);

2.2.3.6 The name of the municipal operator if the discharge is through a municipal separate storm sewer system, unless you are the owner/operator of that municipal separate storm sewer system;

2.2.3.7 Identification of applicable sector(s) in this permit, as designated in Table 1–1, that cover the discharges associated with industrial activity you wish to cover under this permit;

2.2.3.8 Up to four 4-digit Standard Industrial Classification (SIC) codes or

the 2-letter Activity Codes for hazardous waste treatment, storage, or disposal activities (HZ); land/disposal facilities that receive or have received any industrial waste (LF); steam electric power generating facilities (SE); or treatment works treating domestic sewage (TW) that best represent the principal products produced or services rendered by your facility and major co-located activities;

2.2.4 Eligibility Screening

2.2.4.1 Based on the instructions in Addendum A, whether any listed or proposed threatened or endangered species, or designated critical habitat, are in proximity to the storm water discharges or storm water discharge-related activities to be covered by this permit;

2.2.4.2 Whether any historic property listed or eligible for listing on the National Register of Historic Places is located on the facility or in proximity to the discharge;

2.2.4.3 A signed and dated certification, signed by a authorized representative of your facility and maintained with your SWPPP, as detailed in Part 9.7 that certifies the following:

''I certify under penalty of law that I have read and understand the Part 1.2 eligibility requirements for coverage under the multi-sector storm water general permit including those requirements relating to the protection of endangered or threatened species or critical habitat. To the best of my knowledge, the storm water and allowable non-storm discharges authorized by this permit (and discharged related activities), pose no jeopardy to endangered or threatened species or critical habitat, or are otherwise eligible for coverage under Part 1.2.3.6 of the permit. To the best of my knowledge, I further certify that such discharges and discharge related activities do not have an effect on properties listed or eligible for listing on the National Register or Historic Places under the National Historic Preservation Act, or are otherwise eligible for coverage under Part 1.2.3.7 of the permit. I understand that continued coverage under the multi-sector storm water general permit is contingent upon maintaining eligibility as provided for in Part 1.2''

2.3 Use of NOI Form

You must submit the information required under Part 2.2 on the latest version of the NOI form (or photocopy thereof) contained in Addendum D. Your NOI must be signed and dated in accordance with Part 9.7 of this permit.

Note: If EPA notifies dischargers (either directly, by public notice, or by making information available on the Internet) of other NOI form options that become available at a later date (*e.g.*, electronic submission of forms), you may take advantage of those options to satisfy the NOI use and submittal requirements of Part 2.

2.4 Where To Submit

Your NOI must be signed in accordance with Part 9.7 of this permit and submitted to the Director of the NPDES Permitting Program at the following address: Storm Water Notice of Intent (4203), US EPA, 1200 Pennsylvania Avenue NW, Washington, DC 20460.

2.5 Additional Notification

If your facility discharges through a large or medium municipal separate storm sewer system (MS4), or into a MS4 that has been designated by the permitting authority, you must also submit a signed copy of the NOI to the operator of that MS4 upon request by the MS4 operator.

3. Special Conditions

3.1 Hazardous Substances or Oil

You must prevent or minimize the discharge of hazardous substances or oil in your discharge(s) in accordance with the Storm Water Pollution Prevention Plan for your facility. This permit does not relieve you of the reporting requirements of 40 CFR 110, 40 CFR 117 and 40 CFR 302 relating to spills or other releases of oils or hazardous substances.

3.1.1 Single Releases and Spills

Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR 110, 40 CFR 117 or 40 CFR 302, occurs during a 24 hour period:

3.1.1.1 You must notify the National Response Center (NRC) (800–424–8802; in the Washington, DC, metropolitan area call 202–426–2675) in accordance with the requirements of 40 CFR 110, 40 CFR 117 and 40 CFR 302 as soon as he or she has knowledge of the discharge;

3.1.1.2 You must modify your Storm Water Pollution Prevention Plan required under Part 4 within 14 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, you must review your plan to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and you must modify your plan where appropriate.

3.1.2 Anticipated Discharges

Anticipated discharges containing a hazardous substance in an amount equal to or in excess of reporting quantities are those caused by events occurring within the scope of the relevant operating system. If your facilities has (or will have) more than one anticipated discharge per year containing a hazardous substance in an amount equal to or in excess of a reportable quantity, you must:

3.1.2.1 Submit notifications of the first release that occurs during a calendar year (or for the first year of this permit, after submittal of an NOI); and

3.1.2.2 Provide a written description in the SWPPP of the dates on which such releases occurred, the type and estimate of the amount of material released, and the circumstances leading to the releases. In addition, your SWPPP must address measures to minimize such releases.

3.1.2.3 Where a discharge of a hazardous substance or oil in excess of reporting quantities is caused by a non-storm water discharge (*e.g.,* a spill of oil into a separate storm sewer), that discharge is not authorized by the MSGP and you must report the discharge as required under 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 (see Part 3.1.1. above). In the event of a spill, the requirements of Section 311 of the CWA and other applicable provisions of Sections 301 and 402 of the CWA continue to apply.

3.2 Additional Requirements for Salt Storage

If you have storage piles of salt used for deicing or other commercial or industrial purposes, they must be enclosed or covered to prevent exposure to precipitation (except for exposure resulting from adding or removing materials from the pile). Piles do not need to be enclosed or covered where storm water from the pile is not discharged to waters of the United States or the discharges from the piles are authorized under another permit.

3.3 Discharge Compliance With Water Quality Standards

Your discharges must not be causing or have the reasonable potential to cause or contribute to a violation of a water quality standard. Where a discharge is already authorized under this permit and is later determined to cause or have the reasonable potential to cause or contribute to the violation of an applicable water quality standard, the Director will notify you of such violation(s). You must take all necessary actions to ensure future discharges do not cause or contribute to the violation of a water quality standard and document these actions in the Storm Water Pollution Prevention Plan. If violations remain or re-occur, then coverage under this permit may be terminated by the Director, and an alternative general permit or individual permit may be issued. Compliance with

this requirement does not preclude any enforcement activity as provided by the Clean Water Act for the underlying violation.

4. Storm Water Pollution Prevention Plans

4.1 Storm Water Pollution Prevention Plan Requirements

You must prepare a Storm Water Pollution Prevention Plan (SWPPP) for your facility before submitting your Notice of Intent for permit coverage. Your SWPPP must be prepared in accordance with good engineering practices. Use of a registered professional engineer for SWPPP preparation is not required by the permit, but may be independently required under state law and/or local ordinance. Your SWPPP must:

4.1.1 Identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from your facility;

4.1.2 Describe and ensure implementation of practices which you will use to reduce the pollutants in storm water discharges from the facility; and

4.1.3 assure compliance with the terms and conditions of this permit.

Note: At larger installations such as military bases where there are well-defined industrial versus non-industrial areas, the SWPPP required under this Part need only address those areas with discharges of storm water associated with industrial activity. (*e.g.,* under this permit, a U.S. Air Force Base would need to address the vehicle maintenance areas associated with the ''airport'' portion of the base in the SWPPP, but would not need to address a car wash that served only the on-base housing areas.)

4.2 Contents of Plan

4.24.2.1 Pollution Prevention Team

You must identify the staff individual(s) (by name or title) that comprise the facility's storm water Pollution Prevention Team. Your Pollution Prevention Team is responsible for assisting the facility/plant manager in developing, implementing, maintaining and revising the facility's SWPPP. Responsibilities of each staff individual on the team must be listed.

4.2.2 Site Description

Your SWPPP must include the following:

4.2.2.1 *Activities at Facility.* description of the nature of the industrial activity(ies) at your facility;

4.2.2.2 *General Location Map.* a general location map (*e.g.,* U.S.G.S. quadrangle, or other map) with enough detail to identify the location of your facility and the receiving waters within one mile of the facility;

4.2.2.3 *A legible site map identifying the following:*

4.2.2.3.1 Directions of storm water flow (*e.g,* use arrows to show which ways storm water will flow);

4.2.2.3.2 Locations of all existing structural BMPs;

4.2.2.3.3 Locations of all surface water bodies;

4.2.2.3.4 Locations of potential pollutant sources identified under 4.2.4 and where significant materials are exposed to precipitation;

4.2.2.3.5 Locations where major spills or leaks identified under 4.2.5 have occurred;

4.2.2.3.6 Locations of the following activities where such activities are exposed to precipitation: fueling stations, vehicle and equipment maintenance and/or cleaning areas, loading/unloading areas, locations used for the treatment, storage or disposal of wastes, and liquid storage tanks;

4.2.2.3.7 Locations of storm water outfalls and an approximate outline of the area draining to each outfall;

4.2.2.3.8 Location and description of non-storm water discharges;

4.2.2.3.9 Locations of the following activities where such activities are exposed to precipitation: processing and storage areas; access roads, rail cars and tracks; the location of transfer of substance in bulk; and machinery;

4.2.2.3.10 Location and source of runoff from adjacent property containing significant quantities of pollutants of concern to the facility (an evaluation of how the quality of the storm water running onto your facility impacts your storm water discharges may be included).

4.2.3 Receiving Waters and Wetlands

You must provide the name of the nearest receiving water(s), including intermittent streams, dry sloughs, arroyos and the areal extent and description of wetland or other ''special aquatic sites '' (see Part 12 for definition) that may receive discharges from your facility.

4.2.4 Summary of Potential Pollutant Sources

You must identify each separate area at your facility where industrial materials or activities are exposed to storm water. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. For each, separate area identified, the description must include:

4.2.4.1 *Activities in Area.* A list of the activities (*e.g.,* material storage, equipment fueling and cleaning, cutting steel beams); and

4.2.4.2 *Pollutants.* A list of the associated pollutant(s) or pollutant parameter(s) (*e.g.,* crankcase oil, iron, biochemical oxygen demand, pH, *etc.*) for each activity. The pollutant list must include all significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of three (3) years before being covered under this permit and the present.

4.2.5 Spills and Leaks

You must clearly identify areas where potential spills and leaks, which can contribute pollutants to storm water discharges, can occur, and their accompanying drainage points. For areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility to be covered under this permit, you must provide a list of significant spills and leaks of toxic or hazardous pollutants that occurred during the three (3) year period prior to the date of the submission of a Notice of Intent (NOI) . Your list must be updated if significant spills or leaks occur in exposed areas of your facility during the time you are covered by the permit.

Significant spills and leaks include, but are not limited to releases of oil or hazardous substances in excess of quantities that are reportable under CWA § 311 (see 40 CFR 110.10 and 40 CFR 117.21) or section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Significant spills may also include releases of oil or hazardous substances that are not in excess of reporting requirements.

4.2.6 Sampling Data

You must provide a summary of existing storm water discharge sampling data taken at your facility. All storm water sampling data collected during the term of this permit must also be summarized and included in this part of the SWPPP.

4.2.7 Storm Water Controls

4.2.7.1 *Description of Existing and Planned BMPs.* Describe the type and location of existing non-structural and structural best management practices (BMPs) selected for each of the areas where industrial materials or activities

are exposed to storm water. All the areas identified in Part 4.2.4 should have a BMP(s) identified for the area's discharges. For areas where BMPs are not currently in place, describe appropriate BMPs that you will use to control pollutants in storm water discharges. Selection of BMPs should take into consideration:

4.2.7.1.1 The quantity and nature of the pollutants, and their potential to impact the water quality of receiving waters;

4.2.7.1.2 Opportunities to combine the dual purposes of water quality protection and local flood control benefits (including physical impacts of high flows on streams—*e.g.,* bank erosion, impairment of aquatic habitat, etc.);

4.2.7.1.3 Opportunities to offset the impact of impervious areas of the facility on ground water recharge and base flows in local streams (taking into account the potential for ground water contamination—See ''User's Guide to the MSGP–2000'' section on groundwater considerations).

4.2.7.2 *BMP Types to be Considered.* The following types of structural, non-structural and other BMPs must be considered for implementation at your facility. Describe how each is, or will be, implemented. This requirement may have been fulfilled with the area-specific BMPs identified under Part 4.2.7.2, in which case the previous description is sufficient. However, many of the following BMPs may be more generalized or non site-specific and therefore not previously considered. If you determine that any of these BMPs are not appropriate for your facility, you must include an explanation of why they are not appropriate. The BMP examples listed below are not intended to be an exclusive list of BMPs that you may use. You are encouraged to keep abreast of new BMPs or new applications of existing BMPs to find the most cost effective means of permit compliance for your facility. If BMPs are being used or planned at the facility which are not listed here (*e.g.,* replacing a chemical with a less toxic alternative, adopting a new or innovative BMP, etc.), include descriptions of them in this section of the SWPPP.

4.2.7.2.1 *Non-Structural BMPs.*

4.2.7.2.1.1 *Good Housekeeping:* You must keep all exposed areas of the facility in a clean, orderly manner where such exposed areas could contribute pollutants to storm water discharges. Common problem areas include: around trash containers, storage areas and loading docks. Measures must also include: a schedule for regular pickup and disposal of garbage and waste materials; routine inspections for leaks and conditions of drums, tanks and containers.

4.2.7.2.1.2 *Minimizing Exposure:* Where practicable, industrial materials and activities should be protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, or runoff.

Note: Eliminating exposure at all industrial areas may make the facility eligible for the 40 CFR 122.26(g) ''No Exposure'' exclusion from needing to have a permit.

4.2.7.2.1.3 *Preventive Maintenance:* You must have a preventive maintenance program which includes timely inspection and maintenance of storm water management devices, (*e.g.,* cleaning oil/water separators, catch basins) as well as inspecting, testing, maintaining and repairing facility equipment and systems to avoid breakdowns or failures that may result in discharges of pollutants to surface waters.

4.2.7.2.1.4 *Spill Prevention and Response Procedures:* You must describe the procedures which will be followed for cleaning up spills or leaks. Those procedures, and necessary spill response equipment, must be made available to those employees that may cause or detect a spill or leak. Where appropriate, you must explain existing or planned material handling procedures, storage requirements, secondary containment, and equipment (*e.g.,* diversion valves), which are intended to minimize spills or leaks at the facility. Measures for cleaning up hazardous material spills or leaks must be consistent with applicable RCRA regulations at 40 CFR Part 264 and 40 CFR Part 265.

4.2.7.2.1.5 *Routine Facility Inspections:* In addition to or as part of the comprehensive site evaluation required under Part 4.9, you must have qualified facility personnel inspect all areas of the facility where industrial materials or activities are exposed to storm water. The inspections must include an evaluation of existing storm water BMPs. Your SWPPP must identify how often these inspections will be conducted. You must correct any deficiencies in implementation of your SWP3 you find as soon as practicable, but not later than within 14 days of the inspection. You must document in your SWPPP the results of your inspections and the corrective actions you took in response to any deficiencies or opportunities for improvement that you identify.

4.2.7.2.1.6 *Employee Training:* You must describe the storm water employee training program for the facility. The description should include the topics to be covered, such as spill response, good housekeeping and material management practices, and must identify periodic dates (*e.g.,* every 6 months during the months of July and January) for such training. You must provide employee training for all employees that work in areas where industrial materials or activities are exposed to storm water, and for employees that are responsible for implementing activities identified in the SWPPP (*e.g.,* inspectors, maintenance people). The employee training should inform them of the components and goals of your SWPPP.

4.2.7.2.2 *Structural BMPs.*

4.2.7.2.2.1 *Sediment and Erosion Control:* You must identify the areas at your facility which, due to topography, land disturbance (*e.g.,* construction), or other factors, have a potential for significant soil erosion. You must describe the structural, vegetative, and/or stabilization BMPs that you will be implementing to limit erosion.

4.2.7.2.2.2 *Management of Runoff:* You must describe the traditional storm water management practices (permanent structural BMPs other than those which control the generation or source(s) of pollutants) that currently exist or that are planned for your facility. These types of BMPs typically are used to divert, infiltrate, reuse, or otherwise reduce pollutants in storm water discharges from the site. All BMPs that you determine are reasonable and appropriate, or are required by a State or local authority; or are necessary to maintain eligibility for the permit (see Part 1.2.3—Limitations on Coverage) must be implemented and maintained. Factors to consider when you are selecting appropriate BMPs should include: (1) The industrial materials and activities that are exposed to storm water, and the associated pollutant potential of those materials and activities; and (2) the beneficial and potential detrimental effects on surface water quality, ground water quality, receiving water base flow (dry weather stream flow), and physical integrity of receiving waters. (See ''User's Guide to the MSGP–2000'' for Considerations in Selection of BMPs) Structural measures should be placed on upland soils, avoiding wetlands and floodplains, if possible. Structural BMPs may require a separate permit under section 404 of the CWA before installation begins.

4.2.7.2.2.3 *Example BMPs:* BMPs you could use include but are not limited to: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions;

infiltration of runoff onsite; and sequential systems (which combine several practices).

4.2.7.2.3 *Other Controls.* No solid materials, including floatable debris, may be discharged to waters of the United States, except as authorized by a permit issued under section 404 of the CWA. Off-site vehicle tracking of raw, final, or waste materials or sediments, and the generation of dust must be minimized. Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas must be minimized. Velocity dissipation devices must be placed at discharge locations and along the length of any outfall channel if they are necessary to provide a non-erosive flow velocity from the structure to a water course.

4.3 Maintenance

All BMPs you identify in your SWPPP must be maintained in effective operating condition. If site inspections required by Part 4.9 identify BMPs that are not operating effectively, maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable. In the case of non-structural BMPs, the effectiveness of the BMP must be maintained by appropriate means (*e.g.,* spill response supplies available and personnel trained, *etc.*).

4.4 Non-Storm Water Discharges

4.4.1 Certification of Non-Storm Water Discharges

4.4.1.1 Your SWPPP must include a certification that all discharges (*i.e.,* outfalls) have been tested or evaluated for the presence of non-storm water. The certification must be signed in accordance with Part 9.7 of this permit, and include:

4.4.1.1.1 The date of any testing and/or evaluation;

4.4.1.1.2 Identification of potential significant sources of non-storm water at the site;

4.4.1.1.3 A description of the results of any test and/or evaluation for the presence of non-storm water discharges;

4.4.1.1.4 A description of the evaluation criteria or testing method used; and

4.4.1.1.5 A list of the outfalls or onsite drainage points that were directly observed during the test.

4.4.1.2 You do not need to sign a new certification if one was already completed for either the 1992 baseline Industrial General Permit or the 1995 Multi-sector General Permit and you have no reason to believe conditions at the facility have changed.

4.4.1.3 If you are unable to provide the certification required (testing for non-storm water discharges), you must notify the Director 180 days after submitting an NOI to be covered by this permit. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification must describe:

4.4.1.3.1 Reason(s) why certification was not possible;

4.4.1.3.2 The procedure of any test attempted;

4.4.1.3.3 The results of such test or other relevant observations; and

4.4.1.3.4 Potential sources of non-storm water discharges to the storm sewer.

4.4.1.4 A Copy of the notification must be included in the SWPPP at the facility. Non-storm water discharges to waters of the United States which are not authorized by an NPDES permit are unlawful, and must be terminated.

4.4.2 Allowable Non-Storm Water Discharges

4.4.2.1 Certain sources of non-storm water are allowable under this permit (see 1.2.2.2—Allowable Non-Storm Water Discharges). In order for these discharges to be allowed, your SWPPP must include:

4.4.2.1.1 Identification of each allowable non-storm water source;

4.4.2.1.2 The location where it is likely to be discharged; and

4.4.2.1.3 Descriptions of appropriate BMPs for each source.

4.4.2.2 Except for flows from fire fighting activities, you must identify in your SWPPP all sources of allowable non-storm water that are discharged under the authority of this permit.

4.4.2.3 If you include mist blown from cooling towers amongst your allowable non-storm water discharges, you must specifically evaluate the potential for the discharges to be contaminated by chemicals used in the cooling tower and determined that the levels of such chemicals in the discharges would not cause or contribute to a violation of an applicable water quality standard after implementation of the BMPs you have selected to control such discharges.

4.5 Documentation of Permit Eligibility Related to Endangered Species

Your SWPPP must include documentation supporting your determination of permit eligibility with regard to Part 1.2.3.6 (Endangered Species), including:

4.5.1 Information on whether listed endangered or threatened species, or critical habitat, are found in proximity to your facility;

4.5.2 Whether such species may be affected by your storm water discharges or storm water discharge-related activities;

4.5.3 Results of your Addendum A endangered species screening determinations; and

4.5.4 A description of measures necessary to protect listed endangered or threatened species, or critical habitat, including any terms or conditions that are imposed under the eligibility requirements of Part 1.2.3.6. If you fail to describe and implement such measures, your discharges are ineligible for coverage under this permit.

4.6 Documentation of Permit Eligibility Related to Historic Places

Your SWPPP must include documentation supporting your determination of permit eligibility with regard to Part 1.2.3.7 (Historic Places), including:

4.6.1 Information on whether your storm water discharges or storm water discharge-related activities would have an effect on a property that is listed or eligible for listing on the National Register of Historic Places;

4.6.2 Where effects may occur, any written agreements you have made with the State Historic Preservation Officer, Tribal Historic Preservation Officer, or other Tribal leader to mitigate those effects;

4.6.3 Results of your Addendum B historic places screening determinations; and

4.6.4 Description of measures necessary to avoid or minimize adverse impacts on places listed, or eligible for listing, on the National Register of Historic Places, including any terms or conditions that are imposed under the eligibility requirements of Part 1.2.3.7 of this permit. If you fail to describe and implement such measures, your discharges are ineligible for coverage under this permit.

4.7 Copy of Permit Requirements

You must include a copy of this permit in your SWPPP.

Note: The confirmation of coverage letter you receive from the NOI Processing Center assigning your permit number IS NOT your permit—it merely acknowledges that your NOI has been accepted and you have been authorized to discharge subject to the terms and conditions of today's permit.

4.8 Applicable State, Tribal or Local Plans

Your SWPPP must be consistent (and updated as necessary to remain

consistent) with applicable State, Tribal and/or local storm water, waste disposal, sanitary sewer or septic system regulations to the extent these apply to your facility and are more stringent than the requirements of this permit.

4.9 Comprehensive Site Compliance Evaluation

4.9.1 Frequency and Inspectors

You must conduct facility inspections at least once a year. The inspections must be done by qualified personnel provided by you. The qualified personnel you use may be either your own employees or outside consultants that you have hired, provided they are knowledgeable and possess the skills to assess conditions at your facility that could impact storm water quality and assess the effectiveness of the BMPs you have chosen to use to control the quality of your storm water discharges. If you decide to conduct more frequent inspections, your SWPPP must specify the frequency of inspections.

4.9.2 Scope of the Compliance Evaluation

Your inspections must include all areas where industrial materials or activities are exposed to storm water, as identified in 4.2.4, and areas where spills and leaks have occurred within the past 3 years. Inspectors should look for: (a) Industrial materials, residue or trash on the ground that could contaminate or be washed away in storm water; (b) leaks or spills from industrial equipment, drums, barrels, tanks or similar containers; (c) offsite tracking of industrial materials or sediment where vehicles enter or exit the site; (d) tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas and (e) for evidence of, or the potential for, pollutants entering the drainage system. Results of both visual and any analytical monitoring done during the year must be taken into consideration during the evaluation. Storm water BMPs identified in your SWPPP must be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they must be inspected to see whether BMPs are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations must be inspected if possible.

4.9.3 Follow-Up Actions

Based on the results of the inspection, you must modify your SWPPP as necessary (*e.g.,* show additional controls on map required by Part 4.2.2.3; revise description of controls required by Part 4.2.7 to include additional or modified BMPs designed to correct problems identified. You must complete revisions to the SWPPP within 14 calendar days following the inspection. If existing BMPs need to be modified or if additional BMPs are necessary, implementation must be completed before the next anticipated storm event, if practicable, but not more than twelve (12) weeks after completion of the comprehensive site evaluation.

4.9.4 Compliance Evaluation Report

You must insure a report summarizing the scope of the inspection, name(s) of personnel making the inspection, the date(s) of the inspection, and major observations relating to the implementation of the SWPPP is completed and retained as part of the SWPPP for at least three years from the date permit coverage expires or is terminated. Major observations should include: the location(s) of discharges of pollutants from the site; location(s) of BMPs that need to be maintained; location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location; and location(s) where additional BMPs are needed that did not exist at the time of inspection. You must retain a record of actions taken in accordance with Part 4.9 of this permit as part of the Storm Water Pollution Prevention Plan for at least three years from the date that permit coverage expires or is terminated. The inspection reports must identify any incidents of non-compliance. Where an inspection report does not identify any incidents of non-compliance, the report must contain a certification that the facility is in compliance with the Storm Water Pollution Prevention Plan and this permit. Both the inspection report and any reports of follow-up actions must be signed in accordance with Part 9.7 (reporting) of this permit.

4.9.5 Credit As a Routine Facility Inspection

Where compliance evaluation schedules overlap with inspections required under Part 4.2.7.2.1.5, your annual compliance evaluation may also be used as one of the Part 4.2.7.5 routine inspections.

4.10 Maintaining Updated SWPPP

You must amend the Storm Water Pollution Prevention Plan whenever:

4.10.1 there is a change in design, construction, operation, or maintenance at your facility which has a significant effect on the discharge, or potential for discharge, of pollutants from your facility;

4.10.2 During inspections, monitoring, or investigations by you or by local, State, Tribal or Federal officials it is determined the SWPPP is ineffective in eliminating or significantly minimizing pollutants from sources identified under 4.2.4, or is otherwise not achieving the general objectives of controlling pollutants in discharges from your facility.

4.11 Signature, Plan Review and Making Plans Available

4.11.1 You must sign your SWPPP in accordance with Part 9.7, and retain the plan on-site at the facility covered by this permit (see Part 8 for records retention requirements).

4.11.2 You must keep a copy of the SWPPP on-site or locally available to the Director for review at the time of an on-site inspection. You must make your SWPPP available upon request to the Director, a State, Tribal or local agency approving storm water management plans, or the operator of a municipal separate storm sewer receiving discharge from the site. Also, in the interest of the public's right to know, you must provide a copy of your SWPPP to the public if requested in writing to do so.

4.11.3 The Director may notify you at any time that your SWPPP does not meet one or more of the minimum requirements of this permit. The notification will identify provisions of this permit which are not being met, as well as the required modifications. Within thirty (30) calendar days of receipt of such notification, you must make the required changes to the SWPPP and submit to the Director a written certification that the requested changes have been made.

4.11.4 You must make the SWPPP available to the USFWS or NMFS upon request.

4.12 Additional Requirements for Storm Water Discharges Associated With Industrial Activity From Facilities Subject to EPCRA Section 313 Reporting Requirements

Potential pollutant sources for which you have reporting requirements under EPCRA 313 must be identified in your summary of potential pollutant sources as per Part 4.2.4. Note this additional requirement only applies to you if you are subject to reporting requirements under EPCRA 313.

5. Monitoring Requirements and Numeric Limitations

There are five individual and separate categories of monitoring requirements and numeric limitations that your facility may be subject to under this

permit. The monitoring requirements and numeric limitations applicable to your facility depend on a number of factors, including: (1) The types of industrial activities generating storm water runoff from your facility, and (2) the state or tribe where your facility is located. Part 6 identifies monitoring requirements applicable to specific sectors of industrial activity. Part 13 contains additional requirements that apply only to facilities located in a particular State or Indian country land. You must review Parts 5, 6 and 13 of the permit to determine which monitoring requirements and numeric limitations apply to your facility. Unless otherwise specified, limitations and monitoring requirements under Parts 5, 6, and 13 are additive.

Sector-specific monitoring requirements and limitations are applied discharge by discharge at facilities with co-located activities. Where storm water from the co-located activities are co-mingled, the monitoring requirements and limitations are additive. Where more than one numeric limitation for a specific parameter applies to a discharge, compliance with the more restrictive limitation is required. Where monitoring requirements for a monitoring quarter overlap (*e.g.,* need to monitor TSS 1/year for a limit and also 1/quarter for benchmark monitoring), you may use a single sample to satisfy both monitoring requirements.

5.1 Types of Monitoring Requirements and Limitations

5.1.1 Quarterly Visual Monitoring

The requirements and procedures for quarterly visual monitoring are applicable to all facilities covered under this permit, regardless of your facility's sector of industrial activity.

5.1.1.1 You must perform and document a quarterly visual examination of a storm water discharge associated with industrial activity from each outfall, except discharges exempted below. The visual examination must be made during daylight hours (*e.g.,* normal working hours). If no storm event resulted in runoff from the facility during a monitoring quarter, you are excused from visual monitoring for that quarter provided you document in your monitoring records that no runoff occurred. You must sign and certify the documentation in accordance with Part 9.7.

5.1.1.2 Your visual examinations must be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed 1 hour) of when the runoff or snowmelt begins discharging from your facility. The examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. The examination must be conducted in a well lit area. No analytical tests are required to be performed on the samples. All such samples must be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding measurable storm did not yield a measurable discharge, or if you are able to document that less than a 72-hour interval is representative for local storm events during the sampling period. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term. If no qualifying storm event resulted in runoff from the facility during a monitoring quarter, you are excused from visual monitoring for that quarter provided you document in your monitoring records that no qualifying storm event occurred that resulted in storm water runoff during that quarter. You must sign and certify the documentation in accordance with Part 9.7.

5.1.1.3 You must maintain your visual examination reports onsite with the Storm Water Pollution Prevention Plan. The report must include the examination date and time, examination personnel, the nature of the discharge (*i.e.,* runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.

5.1.1.4 Inactive and Unstaffed Sites: When you are unable to conduct visual storm water examinations at an inactive and unstaffed site, you may exercise a waiver of the monitoring requirement as long as the facility remains inactive and unstaffed. If you exercise this waiver, you must maintain a certification with the Storm Water Pollution Prevention Plan stating that the site is inactive and unstaffed and that performing visual examinations during a qualifying event is not feasible. You must sign and certify the waiver in accordance with Part 9.7.

5.1.2 Benchmark Monitoring of Discharges Associated With Specific Industrial Activities

Table 5–1 identifies the specific industrial sectors subject to the Benchmark Monitoring requirements of this permit and the industry-specific pollutants of concern. You must refer to the tables found in the individual Sectors in Part 6 for Benchmark Monitoring Cut-Off Concentrations. If your facility has co-located activities (see Part 1.2.1.1) described in more than one sector in Part 6, you must comply with all applicable benchmark monitoring requirements from each sector.

The results of benchmark monitoring are primarily for your use to determine the overall effectiveness of your SWPPP in controlling the discharge of pollutants to receiving waters. Benchmark values, included in Part 6 of this permit, are not viewed as effluent limitations. An exceedance of a benchmark value does not, in and of itself, constitute a violation of this permit. While exceedance of a benchmark value does not automatically indicate that violation of a water quality standard has occurred, it does signal that modifications to the SWPPP may be necessary. In addition, exceedance of benchmark values may identify facilities that would be more appropriately covered under an individual, or alternative general permit where more specific pollution prevention controls could be required.

TABLE 5–1.—INDUSTRY SECTORS/SUB-SECTORS SUBJECT TO BENCHMARK MONITORING

MSGP sector [1]	Industry sub-sector	Required parameters for benchmark monitoring
A	General Sawmills and Planing Mills	COD, TSS, Zinc.
	Wood Preserving Facilities	Arsenic, Copper.
	Log Storage and Handling	TSS.
	Hardwood Dimension and Flooring Mills	COD, TSS.
B	Paperboard Mills	COD.

TABLE 5–1.—INDUSTRY SECTORS/SUB-SECTORS SUBJECT TO BENCHMARK MONITORING—Continued

MSGP sector [1]	Industry sub-sector	Required parameters for benchmark monitoring
C	Industrial Inorganic Chemicals	Aluminum, Iron, Nitrate + Nitrite N.
	Plastics, Synthetic Resins, etc.	Zinc.
	Soaps, Detergents, Cosmetics, Perfumes	Nitrate + Nitrite N, Zinc.
	Agricultural Chemicals	Nitrate + Nitrite N, Lead, Iron, Zinc, Phosphorus.
D	Asphalt Paving and Roofing Materials	TSS.
E	Clay Products	Aluminum.
	Concrete Products	TSS, Iron.
F	Steel Works, Blast Furnaces, and Rolling and Finishing Mills.	Aluminum, Zinc.
	Iron and Steel Foundries	Aluminum, TSS, Copper, Iron, Zinc.
	Non-Ferrous Rolling and Drawing	Copper, Zinc.
	Non-Ferrous Foundries (Castings)	Copper, Zinc.
G [2]	Copper Ore Mining and Dressing	COD, TSS, Nitrate + Nitrite N
H	Coal Mines and Coal-Mining Related Facilities	TSS, Aluminum, Iron
J	Dimension Stone, Crushed Stone, and Nonmetallic Minerals (except fuels).	TSS.
	Sand and Gravel Mining	Nitrate + Nitrite N, TSS.
K	Hazardous Waste Treatment Storage or Disposal	Ammonia, Magnesium, COD, Arsenic, Cadmium, Cyanide, Lead, Mercury, Selenium, Silver.
L	Landfills, Land Application Sites, and Open Dumps	Iron, TSS.
M	Automobile Salvage Yards	TSS, Aluminum, Iron, Lead.
N	Scrap Recycling	Copper, Aluminum, Iron, Lead, Zinc, TSS, COD.
O	Steam Electric Generating Facilities	Iron.
Q	Water Transportation Facilities	Aluminum, Iron, Lead, Zinc.
S	Airports with deicing activities [3]	BOD, COD, Ammonia, pH.
U	Grain Mill Products	TSS.
	Fats and Oils	BOD, COD, Nitrate + Nitrite N, TSS.
Y	Rubber Products	Zinc.
AA	Fabricated Metal Products Except Coating	Iron, Aluminum, Zinc, Nitrate + Nitrite N.
	Fabricated Metal Coating and Engraving	Zinc, Nitrate + Nitrite N.

[1] Table does not include parameters for compliance monitoring under effluent limitations guidelines.
[2] See Sector G (Part 6.G) for additional monitoring discharges from waste rock and overburden piles from active ore mining or dressing facilities.
[3] Monitoring requirement is for airports with deicing activities that utilize more than 100 tons of urea or more than 100,000 gallons of ethylene glycol per year.

5.1.2.1 *Monitoring Periods for Benchmark Monitoring.* Unless otherwise specified in Part 6, benchmark monitoring periods are October 1, 2001 to September 30, 2002 (year two of the permit) and October 1, 2003 to September 30, 2004 (year four of the permit). If your facility falls within a Sector(s) required to conduct benchmark monitoring, you must monitor quarterly (4 times a year) during at least one, and potentially both, monitoring periods; unless otherwise specified in the sector-specific requirements of Part 6. Depending on the results of the 2001–2002 monitoring year, you may not be required to conduct benchmark monitoring in the 2003–2004 monitoring year (see Part 5.1.2.2).

5.1.2.2 *Benchmark Monitoring Year 2003–2004 Waivers for Facilities Testing Below Benchmark Values.* All of the provisions of Part 5.1.2.2 are available to permittees except as noted in Part 6. Waivers from benchmark monitoring are available to facilities whose discharges are below benchmark values, thus there is an incentive for facilities to improve the effectiveness of their SWPPPs in eliminating discharges of pollutants and avoid the cost of monitoring.

On both a parameter by parameter and outfall by outfall basis, you are not required to conduct sector-specific benchmark monitoring in the 2003–2004 monitoring year provided:

- You collected samples for all four quarters of the 2001–2002 monitoring year and the average concentration was below the benchmark value in Part 6; and
- You are not subject to a numeric limitation or State/Tribal-specific monitoring requirement for that parameter established in Part 5.2 or Part 13; and
- You include a certification in the SWPPP that based on current potential pollutant sources and BMPs used, discharges from the facility are reasonably expected to be essentially the same (or cleaner) compared to when the benchmark monitoring for the 2001–2002 monitoring year was done.

5.1.2.3 *Inactive and Unstaffed Sites.* If you are unable to conduct benchmark monitoring at an inactive and unstaffed site, you may exercise a waiver of the monitoring requirement as long as the facility remains inactive and unstaffed. If you exercise this waiver, you must maintain a certification with your Storm Water Pollution Prevention Plan stating that the site is inactive and unstaffed and that performing benchmark monitoring during a qualifying storm event is not feasible. You must sign and certify the waiver in accordance with Part 9.7.

5.1.3 Coal Pile Runoff

5.1.3.1 If your facility has discharges of storm water from coal storage piles, you must comply with the limitations and monitoring requirements of Table 5–2 for all discharges containing the coal pile runoff, regardless of your facility's sector of industrial activity.

TABLE 5–2.—NUMERIC LIMITATIONS FOR COAL PILE RUNOFF

Parameter	Limit	Monitoring frequency	Sample type
Total Suspended Solids (TSS)	50 mg/L, max	1/year	Grab.
pH	6.0–9.0 min. and max	1/year	Grab.

5.1.3.2 You must not dilute coal pile runoff with storm water or other flows in order to meet this limitation.

5.1.3.3 If your facility is designed, constructed and operated to treat the volume of coal pile runoff that is associated with a 10-year, 24-hour rainfall event, any untreated overflow of coal pile runoff from the treatment unit is not subject to the 50 mg/L limitation for total suspended solids.

5.1.3.4 You must collect and analyze your samples in accordance with Part 5.2.2. Results of the testing must be retained and reported in accordance with Part 8 and 9.16.

5.1.4 Compliance Monitoring for Discharges Subject to Numerical Effluent Limitation Guidelines

Table 1–2 of Part 1.2.2.1.3 of the permit identifies storm water discharges subject to effluent limitation guidelines that are authorized for coverage under the permit. Facilities subject to storm water effluent limitation guidelines are required to monitor such discharges to evaluate compliance with numerical effluent limitations. Industry-specific numerical limitations and compliance monitoring requirements are described in Part 6 of the permit.

5.1.5 Monitoring for Limitations Required by a State or Tribe

Unless otherwise specified in Part 13 (state/tribal-specific permit conditions), you must sample once per year for any permit limit established as a result of a state or tribe's conditions for certification of this permit under CWA § 401.

5.2 Monitoring Instructions

5.2.1 Monitoring Periods

If you are required to conduct monitoring on an annual or quarterly basis, you must collect your samples within the following time periods (unless otherwise specified in Part 6):

- The monitoring year is from October 1 to September 30
- If your permit coverage was effective less than one month from the end of a quarterly or yearly monitoring period, your first monitoring period starts with the next respective monitoring period. (*e.g.*, if permit coverage begins June 5th, you would not need to start quarterly sampling until the July—September quarter, but you would only have from June 5th to September 30th to complete that year's annual monitoring)

5.2.2 Collection and Analysis of Samples

You must assess your sampling requirements on an outfall by outfall basis. You must collect and analyze your samples in accordance with the requirements of Part 9.16.

5.2.2.1 *When and How to Sample.* Take a minimum of one grab sample from the discharge associated with industrial activity resulting from a storm event with at least 0.1 inch of precipitation (defined as a ''measurable'' event), providing the interval from the preceding measurable storm is at least 72 hours. The 72-hour storm interval is waived when the preceding measurable storm did not yield a measurable discharge, or if you are able to document that less than a 72-hour interval is representative for local storm events during the sampling period.

Take the grab sample during the first 30 minutes of the discharge. If it is not practicable to take the sample during the first 30 minutes, sample during the first hour of discharge and describe why a grab sample during the first 30 minutes was impracticable. Submit this information on or with the discharge monitoring report (see Part 7.1). If the sampled discharge commingles with process or non-process water, attempt to sample the storm water discharge before it mixes with the non-storm water.

To get help with monitoring, consult the *Guidance Manual for the Monitoring and Reporting Requirements of the NPDES Storm Water Multi-Sector General Permit* which can be down loaded from the EPA Web Site at *www.epa.gov/OWM/sw/industry/index.htm.* It can also be ordered from the Office of Water Resource Center by calling 202–260–7786.

5.2.3 Storm Event Data

Along with the results of your monitoring, you must provide the date and duration (in hours) of the storm event(s) samples; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event samples and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge samples.

5.2.4 Representative Outfalls—Essential Identical Discharges

If your facility has two (2) or more outfalls that you believe discharge substantially identical effluents, based on similarities of the industrial activities, significant materials or storm water management practices occurring within the outfalls' drainage areas, you may test the effluent of just one of the outfalls and report that the quantitative data also applies to the substantially identical outfall(s). For this to be permissible, you must describe in the Storm Water Pollution Prevention Plan and include in the Discharge Monitoring Report the following: locations of the outfalls; why the outfalls are expected to discharge substantially identical effluents; estimates of the size of the drainage area (in square feet) for each of the outfalls; and an estimate of the runoff coefficient of the drainage areas (low: under 40 percent; medium: 40 to 65 percent; high: above 65 percent). Note: Page 107 of the *NPDES Storm Water Sampling Guidance Document* (EPA 800/B–92–001) lists criteria for substantially identical outfalls (available on EPA's web site at *http://www.epa.gov/owm/sw/industry/).*

5.3 General Monitoring Waivers

Unless specifically stated otherwise, the following waivers may be applied to any monitoring required under this permit.

5.3.1 Adverse Climatic Conditions Waiver

When adverse weather conditions prevent the collection of samples, take a substitute sample during a qualifying storm event in the next monitoring period, or four samples per monitoring year when weather conditions do not allow for samples to be spaced evenly during the year. Adverse conditions (*i.e.*, those which are dangerous or create inaccessibility for personnel) may include such things as local flooding, high winds, electrical storms, or situations which otherwise make sampling impracticable such as drought or extended frozen conditions.

5.3.2 Alternative Certification of ''Not Present or No Exposure''

You are not subject to the analytical monitoring requirements of Part 5.1.2 provided:

5.3.2.1 You make a certification for a given outfall, or on a pollutant-by-pollutant basis in lieu of monitoring required under Part 5.1.2, that material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, industrial machinery or operations, or significant materials from past industrial activity that are located in areas of the facility within the drainage area of the outfall are not presently exposed to storm water and are not expected to be exposed to storm water for the certification period; and

5.3.2.2 Your certification is signed in accordance with Part 9.7, retained in the Storm Water Pollution Prevention Plan, and submitted to EPA in accordance with Part 7. In the case of certifying that a pollutant is not present, the permittee must submit the certification along with the monitoring reports required Part 7; and

5.3.2.3 If you cannot certify for an entire period, you must submit the date exposure was eliminated and any monitoring required up until that date; and

5.3.2.4 No numeric limitation or State-specific monitoring requirement for that parameter is established in Part 5 or Part 13.

5.4 Monitoring Required by the Director

The Director may provide written notice to any facility, including those otherwise exempt from the sampling requirements of Parts 5, 6 and 12, requiring discharge sampling for a specific monitoring frequency for specific parameters. Any such notice will briefly state the reasons for the monitoring, parameters to be monitored, frequency and period of monitoring, sample types, and reporting requirements.

5.5 Reporting Monitoring Results

Deadlines and procedures for submitting monitoring reports are contained in Part 7.

6. Sector-Specific Requirements for Industrial Activity

You only need to comply with the additional requirements of Part 6 that apply to the sector(s) of industrial activity at your facility. These sector-specific requirements are in addition to the ''basic'' requirements specified in Parts 1–5 and 7–13 of this permit.

6.A Sector A—Timber Products

6.A.1 Covered Storm Water Discharges

The requirements in Part 6.A apply to storm water discharges associated with industrial activity from Timber Products facilities as identified by the SIC Codes specified under Sector A in Table 1–1 of Part 1.2.1.

6.A.2 Industrial Activities Covered by Sector A

The types of activities that permittees under Sector A are primarily engaged in are:

6.A.2.1 Cutting timber and pulpwood (those that have log storage or handling areas);

6.A.2.2 Mills, including merchant, lath, shingle, cooperage stock, planing, plywood and veneer;

6.A.2.3 Producing lumber and wood basic materials;

6.A.2.4 Wood preserving;

6.A.2.5 Manufacturing finished articles made entirely of wood or related materials except wood kitchen cabinet manufacturers (covered under Part 6.23);

6.A.2.6 Manufacturing wood buildings or mobile homes.

6.A.3 Special Coverage Conditions

6.A.3.1 *Prohibition of Discharges.* (See also Part 1.2.3.1) Not covered by this permit: storm water discharges from areas where there may be contact with the chemical formulations sprayed to provide surface protection. These discharges must be covered by a separate NPDES permit.

6.A.3.2 *Authorized Non-Storm Water Discharges.* (See also Part 1.2.3.1) Also authorized by this permit, provided the non-storm water component of the discharge is in compliance with SWPPP requirements in Part 4.2.7 (Controls): discharges from the spray down of lumber and wood product storage yards where no chemical additives are used in the spray down waters and no chemicals are applied to the wood during storage.

6.A.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.A.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Also identify where any of the following may be exposed to precipitation/surface runoff: processing areas; treatment chemical storage areas; treated wood and residue storage areas; wet decking areas; dry decking areas; untreated wood and residue storage areas; and treatment equipment storage areas.

6.A.4.2 *Inventory of Exposed Materials.* (See also Part 4.2.4) Where such information exists, if your facility has used chlorophenolic, creosote or chromium-copper-arsenic formulations for wood surface protection or preserving, identify the following: areas where contaminated soils, treatment equipment and stored materials still remain, and the management practices employed to minimize the contact of these materials with storm water runoff.

6.A.4.3 *Description of Storm Water Management Controls.* (See also Part 4.2.7). Describe and implement measures to address the following activities/sources: log, lumber and wood product storage areas; residue storage areas; loading and unloading areas; material handling areas; chemical storage areas; and equipment/vehicle maintenance, storage and repair areas. If your facility performs wood surface protection/preservation activities, address the specific BMPs for these activities.

6.A.4.4 *Good Housekeeping.* (See also Part 4.2.7.2.1.1). In areas where storage, loading/unloading and material handling occur, perform good housekeeping to limit the discharge of wood debris; minimize the leachate generated from decaying wood materials; and minimize the generation of dust.

6.A.4.5 *Inspections.* (See also Part 4.2.7.2.1.5). If your facility performs wood surface protection/preservation activities, inspect processing areas, transport areas and treated wood storage areas monthly to assess the usefulness of practices to minimize the deposit of treatment chemicals on unprotected soils and in areas that will come in contact with storm water discharges.

6.A.5 Monitoring and Reporting Requirements (See also Part 5)

TABLE A–1.—SECTOR-SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING

[Sector of permit affected/supplemental requirements]

Subsector (Discharge may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation [2]
General Sawmills and Planning Mills (SIC 2421)	Chemical Oxygen Demand (COD).	120.0 mg/L.	
	Total Suspended Solids (TSS).	100 mg/L.	
	Total Zinc	0.117 mg/L.	
Wood Preserving (SIC 2491)	Total Arsenic	0.16854 mg/L.	
	Total Copper	0.0636 mg/L.	
Log Storage and Handling (SIC 2411)	Total Suspended Solids (TSS).	100 mg/L.	
Wet Decking Discharges at Log Storage and Handling Areas (SIC 2411).	pH		6.0–9.0 s.u.
	Debris (woody material such as bark, twigs, branches, heartwood, or sapwood).		No Discharge of debris that will not pass through a 2.54 cm (1″) diameter round opening.
Hardwood Dimension and Flooring Mills; Special Products Sawmills, not elsewhere classified; Millwork, Veneer, Plywood and Structural Wood; Wood Containers; Wood Buildings and Mobile Homes; Reconstituted Wood Products; and Wood Products Facilities not elsewhere classified (SIC Codes 2426, 2429, 2431–2439 (except 2434), 2448, 2449, 2451, 2452, 2593, and 2499).	Chemical Oxygen Demand (COD).	120.0 mg/L.	
	Total Suspended Solids (TSS).	100.0 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 monitoring years.
[2] Monitor once per year for each monitoring year.

6.B Sector B—Paper and Allied Products Manufacturing

6.B.1 Covered Storm Water Discharges

The requirements in Part 6.B apply to storm water discharges associated with industrial activity from Paper and Allied Products Manufacturing facilities as identified by the SIC Codes specified under Sector B in Table 1–1 of Part 1.2.1.

6.B.2 Industrial Activities Covered by Sector B

The types of activities that permittees under Sector B are primarily engaged in are:

6.B.2.1 Manufacture of pulps from wood and other cellulose fibers and from rags;

6.B.2.2 Manufacture of paper and paperboard into converted products, *i.e.* paper coated off the paper machine, paper bags, paper boxes and envelopes;

6.B.2.3 Manufacture of bags of plastic film and sheet.

6.B.3 Monitoring and Reporting Requirements (See also Part 5)

TABLE B–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring and cutoff concentration [1]	Numeric limitation
Part of Permit Affected/Supplemental Requirements			
Paperboard Mills (SIC Code 2631)	COD	120.0 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 monitoring years

6.C Sector C—Chemical and Allied Products Manufacturing

6.C.1 Covered Storm Water Discharges

The requirements in Part 6.C apply to storm water discharges associated with industrial activity from Chemical and Allied Products Manufacturing facilities as identified by the SIC Codes specified under Sector C in Table 1–1 of Part 1.2.1.

6.C.2 Industrial Activities Covered by Sector C

The requirements listed under this Part apply to storm water discharges associated with industrial activity from a facility engaged in manufacturing the following products:

6.C.2.1 basic industrial inorganic chemicals;

6.C.2.2 plastic materials and synthetic resins, synthetic rubbers, and cellulosic and other human made fibers, except glass;

6.C.2.3 soap and other detergents, including facilities producing glycerin from vegetable and animal fats and oils; speciality cleaning, polishing and sanitation preparations; surface active preparations used as emulsifiers, wetting agents and finishing agents, including sulfonated oils; and perfumes, cosmetics and other toilet preparations;

6.C.2.4 paints (in paste and ready mixed form); varnishes; lacquers; enamels and shellac; putties, wood fillers, and sealers; paint and varnish removers; paint brush cleaners; and allied paint producers;

6.C.2.5 industrial organic chemicals;

6.C.2.6 industrial and household adhesives, glues, caulking compounds, sealants, and linoleum, tile and rubber cements from vegetable, animal or synthetic plastic materials; explosives; printing ink, including gravure, screen process and lithographic inks; miscellaneous chemical preparations such as fatty acids, essential oils, gelatin (except vegetable), sizes, bluing, laundry sours, writing and stamp pad ink, industrial compounds such as boiler and heat insulating compounds, and chemical supplies for foundries;

6.C.2.7 ink and paints, including china painting enamels, indian ink, drawing ink, platinum paints for burnt wood or leather work, paints for china painting, artists' paints and artists' water colors;

6.C.2.8 nitrogenous and phosphatic basic fertilizers, mixed fertilizers, pesticides and other agricultural chemicals.

6.C.3 Limitations on Coverage

6.C.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.3) Not covered by this permit: non-storm water discharges containing inks, paints or substances (hazardous, nonhazardous, *etc.*) resulting from an onsite spill, including materials collected in drip pans; washwater from material handling and processing areas; and washwater from drum, tank or container rinsing and cleaning.

6.C.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.C.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Also identify where any of the following may be exposed to precipitation/surface runoff: processing and storage areas; access roads, rail cars and tracks; areas where substances are transferred in bulk; and operating machinery.

6.C.4.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following sources and activities that have potential pollutants associated with them: loading, unloading and transfer of chemicals; outdoor storage of salt, pallets, coal, drums, containers, fuels, fueling stations; vehicle and equipment maintenance/cleaning areas; areas where the treatment, storage or disposal (on- or off-site) of waste/wastewater occur; storage tanks and other containers; processing and storage areas; access roads, rail cars and tracks; areas where the transfer of substances in bulk occurs; and areas where machinery operates.

6.C.4.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1) As part of your good housekeeping program, include a schedule for regular pickup and disposal of garbage and waste materials, or adopt other appropriate measures to reduce the potential for discharging storm water that has contacted garbage or waste materials. Routinely inspect the condition of drums, tanks and containers for potential leaks.

6.C.5 Monitoring and Reporting Requirements (See also Part 5)

TABLE C–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation [2]
Part of Permit Affected/Supplemental Requirements			
Phosphate Subcategory of the Fertilizer Manufacturing Point Source Category (40 CFR § 418.10)—applies to precipitation runoff, that during manufacturing or processing, comes into contact with any raw materials, intermediate product, finished product, by-products or waste product (SIC 2874).	Total Phosphorus (as P) ...	.....	105.0 mg/L, daily max. 35 mg/L, 30-day avg.
	Fluoride	.....	75.0 mg/L, daily max. 25.0 mg/L, 30-day avg.
Agricultural Chemicals (2873–2879)	Nitrate plus Nitrite Nitrogen	0.68 mg/L.	
	Total Recoverable Lead	0.0816 mg/L.	
	Total Recoverable Iron	1.0 mg/L.	
	Total Recoverable Zinc	0.117 mg/L.	
	Phosphorus	2.0 mg/L.	
Industrial Inorganic Chemicals (2812–2819)	Total Recoverable Aluminum	0.75 mg/L 1.0 mg/L	Nitrate plus Nitrite Nitrogen
	Total Recoverable Iron.	0.68 mg/L	
Soaps, Detergents, Cosmetics, and Perfumes (SIC 2841–2844).	Nitrate plus Nitrite Nitrogen	0.68 mg/L.	
	Total Recoverable Zinc	0.117 mg/L..	
Plastics, Synthetics, and Resins (SIC 2821–2824)	Total Recoverable Zinc	0.117 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.
[2] Monitor once/year for each Monitoring Year.

6.D Sector D—Asphalt Paving and Roofing Materials and Lubricant Manufacturers

6.D.1 Covered Storm Water Discharges

The requirements in Part 6.D apply to storm water discharges associated with industrial activity from Asphalt Paving and Roofing Materials and Lubricant Manufacturers facilities as identified by the SIC Codes specified under Sector D in Table 1–1 of Part 1.2.1.

6.D.2 Industrial Activities Covered by Sector D

The types of activities that permittees under Sector D are primarily engaged in are:

6.D.2.1 manufacturing asphalt paving and roofing materials;

6.D.2.2 portable asphalt plant facilities;

6.D.2.3 manufacturing lubricating oils and greases.

6.D.3 Limitations on Coverage

The following storm water discharges associated with industrial activity are not authorized by this permit:

6.D.3.1 discharges from petroleum refining facilities, including those that manufacture asphalt or asphalt products that are classified as SIC code 2911;

6.D.3.2 discharges from oil recycling facilities;

6.D.3.3 discharges associated with fats and oils rendering.

6.D.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.D.4.1 *Inspections.* (See also Part 4.2.7.2.1.5) Inspect at least once per month, as part of the maintenance program, the following areas: Material storage and handling areas, liquid storage tanks, hoppers/silos, vehicle and equipment maintenance, cleaning and fueling areas, material handling vehicles, equipment and processing areas. Ensure appropriate action is taken in response to the inspection by implementing tracking or follow up procedures.

6.D.5 Monitoring and Reporting Requirements. (See also part 5)

TABLE D–1.—SECTOR-SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric Limitation [2]
Sector of Permit Affected/Supplemental Requirements			
Asphalt Paving and Roofing Materials (SIC 2951, 2952)	Total Suspended Solids (TSS).	100mg/L.	
Discharges from areas where production of asphalt paving and roofing emulsions occurs (SIC 2951, 2952).	TSS	.....	23.0 mg/L, daily max 15.0 mg/L 30-day avg.
	Oil and Grease	.....	15.0 mg/L daily max. 10mg/L, 30-day avg.
	pH	.....	6.0–9.0

[1] Monitor once/quarter for the year 2 and year 4 monitoring years.
[2] Monitor once per year for each monitoring year.

6.E Sector E—Glass, Clay, Cement, Concrete, and Gypsum Products

6.E.1 Covered Storm Water Discharges

The requirements in Part 6.E apply to storm water discharges associated with industrial activity from Glass, Clay, Cement, Concrete, and Gypsum Products facilities as identified by the SIC Codes specified under Sector E in Table 1–1 of part 1.2.1.

6.E.2 Industrial Activities Covered by Sector E

The requirements listed under this permit apply to storm water discharges associated with industrial activity from a facility engaged in either manufacturing the following products or performing the following activities:

6.E.2.1 flat, pressed, or blown glass or glass containers;

6.E.2.2 hydraulic cement;

6.E.2.3 clay products including tile and brick;

6.E.2.4 pottery and porcelain electrical supplies;

6.E.2.5 concrete products;

6.E.2.6 gypsum products;

6.E.2.7 minerals and earths, ground or otherwise treated;

6.E.2.8 non-clay refractories:

6.E.2.9. lime manufacturing

6.E.2.10 cut stone and stone products

6.E.2.11 asbestos products

6.E.2.12 mineral wool and mineral wool insulation products.

6.E.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.E.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify the locations of the following, as applicable: bag house or other dust control device; recycle/sedimentation pond, clarifier or other device used for the treatment of process wastewater, and the areas that drain to the treatment device.

6.E.3.2 *Good Housekeeping Measures.* (See also Part 4.2.2.3) With good housekeeping prevent or minimize the discharge of: spilled cement; aggregate (including sand or gravel); kiln dust; fly ash; settled dust; or other significant material in storm water from paved portions of the site that are exposed to storm water. Consider using regular sweeping or other equivalent measures to minimize the presence of these materials. Indicate in your SWPPP the frequency of sweeping or equivalent measures. Determine the frequency from the amount of industrial activity occurring in the area and the frequency of precipitation, but it must be performed at least once a week if cement, aggregate, kiln dust, fly ash or settled dust are being handled/processed. You must also prevent the exposure of fine granular solids (cement, fly ash, kiln dust, *etc.*) to storm water where practicable, by storing these materials in enclosed silos/hoppers, buildings or under other covering.

6.E.3.3 *Inspections.* (See also Part 4.2.7.2.1.5) Perform inspections while the facility is in operation and include all of the following areas exposed to storm water: material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, truck wash down/equipment cleaning areas.

6.E.3.4 *Certification.* (See also Part 4.4.1) For facilities producing ready-mix concrete, concrete block, brick or similar products, include in the non-storm water discharge certification a description of measures that insure that process waste water resulting from truck washing, mixers, transport buckets, forms or other equipment are discharged in accordance with NPDES requirements or are recycled.

6.E.4 Monitoring and Reporting Requirements. (See also Part 5)

TABLE E–1.—SECTOR-SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitaiton [2]
Sector of Permit Affected/Supplemental Requirements			
Clay Product Manufacturers ..... (SIC 3245–3259,3261–3269)	Total Recoverable Aluminum.	0.75 mg/L	
Concrete and Gypsum Product Manufacturers (SIC 3271–3275).	TSS	100 mg/L	
	Total Recoverable Iron	1.0 mg/L	
Cement Manufacturing Facility, Material Storage Runoff: Any discharge composed of runoff that derives from the storage of materials including raw materials, intermediate products, finished products, and waste materials that are used in or derived from the manufacture of cement.	Total Suspended Solids (TTS≤.	50 mg/L daily max..	
	pH	.....	6.0–9.0 S.U.

[1] Monitor once/quarter for the year 2 and year 4 monitoring years.
[2] Monitor once per year for each monitoring year.

6.F Sector F—Primary Metals

6.F.1 Covered Storm Water Discharges

The requirements in Part 6.F apply to storm water discharges associated with industrial activity from Primary Metals facilities as identified by the SIC Codes specified under Sector F in Table 1–1 of Part 1.2.1.

6.F.2 Industrial Activities Covered by Sector F

The types of activities under this Part are facilities primarily engaged in are:

6.F.2.1 Steel works, blast furnaces, and rolling and finishing mills including: steel wire drawing and steel nails and spikes; cold-rolled steel sheet, strip, and bars; and steel pipes and tubes;

6.F.2.2 Iron and steel foundries, including: gray and ductile iron, malleable iron, steel investment, and steel foundries not elsewhere classified;

6.F.2.3 Primary smelting and refining of nonferrous metals, including: primary smelting and refining of copper, and primary production of aluminum;

6.F.2.4 Secondary smelting and refining of nonferrous metals;

6.F.2.5 Rolling, drawing, and extruding of nonferrous metals, including: rolling, drawing, and extruding of copper; rolling, drawing and extruding of nonferrous metals except copper and aluminum; and drawing and insulating of nonferrous wire;

6.F.2.6 Nonferrous foundries (castings), including: aluminum die-casting, nonferrous die-casting, except aluminum, aluminum foundries, copper foundries, and nonferrous foundries, except copper and aluminum;

6.F.2.7 Miscellaneous primary metal products, not elsewhere classified, including: metal heat treating, and primary metal products not elsewhere classified;

Activities covered include but are not limited to storm water discharges associated with cooking operations, sintering plants, blast furnaces, smelting operations, rolling mills, casting operations, heat treating, extruding, drawing, or forging all types of ferrous and nonferrous metals, scrap and ore.

6.F.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.F.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Also identify where any of the following activities may be exposed to precipitation/surface runoff: storage or disposal of wastes such as spent solvents/baths, sand, slag/dross; liquid storage tanks/drums; processing areas including pollution control equipment (*e.g.,* baghouses); and storage areas of raw material such as coal, coke, scrap, sand, fluxes, refractories or metal in any form. In addition, indicate where an accumulation of significant amounts of particulate matter could occur from such sources as furnace or oven emissions, losses from coal/coke handling operations, etc., and which could result in a discharge of pollutants to waters of the United States.

6.F.3.2 *Inventory of Exposed Material.* (See also Part 4.2.4) Include in the inventory of materials handled at the site that potentially may be exposed to precipitation/runoff, areas where deposition of particulate matter from process air emissions or losses during material handling activities are possible.

6.F.3.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1) As part of your good housekeeping program, include: a cleaning/maintenance program for all impervious areas of the facility where particulate matter, dust or debris may accumulate, especially areas where material loading/unloading, storage, handling and processing occur; the paving of areas where vehicle traffic or material storage occur but where vegetative or other stabilization methods are not practicable (institute a sweeping program in these areas too). For unstabilized areas where sweeping is not practicable, consider using storm water management devices such as sediment traps, vegetative buffer strips, filter fabric fence, sediment filtering boom, gravel outlet protection or other equivalent measures that effectively trap or remove sediment.

6.F.3.4 *Inspections.* (See also Part 4.2.7.2.1.5) Conduct inspections routinely, or at least on a quarterly basis, and address all potential sources of pollutants, including (if applicable): air pollution control equipment (*e.g.,* baghouses, electrostatic precipitators, scrubbers and cyclones) for any signs of degradation (*e.g.,* leaks, corrosion or improper operation) that could limit their efficiency and lead to excessive emissions. Consider monitoring air flow at inlets/outlets (or use equivalent measures) to check for leaks (*e.g.*, particulate deposition) or blockage in ducts. Also inspect all process and material handling equipment (*e.g.,* conveyors, cranes and vehicles) for leaks, drips or the potential loss of material; and material storage areas (*e.g.*, piles, bins or hoppers for storing coke, coal, scrap or slag, as well as chemicals stored in tanks/drums) for signs of material losses due to wind or storm water runoff.

6.F.4 Monitoring and Reporting Requirements. (See also Part 5)

TABLE F–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Sector of permit affected/supplemental requirements—			
Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cutoff concentration [1]	Numeric limitation
Steel Works, Blast Furnaces, and Rolling and Finishing Mills (SIC 3312–3317).	Total Recoverable Aluminum	0.75 mg/L	
	Total Recoverable Zinc	0.117 mg/L.	
Iron and Steel Foundries (SIC 3321–3325)	Total Recoverable Aluminum	0.75 mg/L.	
	Total Suspended Solids	100 mg/L	
	Total Recoverable Copper	0.0636 mg/L	
	Total Recoverable Iron	1.0 mg/L	
	Total Recoverable Zinc	0.117 mg/L.	
Rolling, Drawing, and Extruding of Non-Ferrous Metals (SIC 3351–3357).	Total Recoverable Copper	0.0636 mg/L	
	Total Recoverable Zinc	0.117 mg/L.	
Non-Ferrous Foundries (SIC 3363–3369)	Total Recoverable Copper	0.636 mg/L.	
	Total Recoverable Zinc	0.117 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.G Sector G—Metal Mining (Ore Mining and Dressing)

6.G.1 Covered Storm Water Discharges

The requirements in Part 6.G apply to storm water discharges associated with industrial activity from active, temporarily inactive and inactive metal mining and ore dressing facilities, including mines abandoned on Federal Lands, as identified by the SIC Codes specified under Sector G in Table 1–1 of Part 1.2.1. Coverage is required for facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate product, finished product, byproduct, or waste product located on the site of the operation.

6.G.1.1 *Covered Discharges from Inactive Facilities:* All storm water discharges.

6.G.1.2 *Covered Discharges from Active and Temporarily Inactive Facilities:* Only the storm water discharges from the following areas are covered: waste rock/overburden piles if composed entirely of storm water and not combining with mine drainage; topsoil piles; offsite haul/access roads; onsite haul/access roads constructed of waste rock/overburden/spent ore if composed entirely of storm water and not combining with mine drainage; onsite haul/access roads not constructed of waste rock/overburden/spent ore except if mine drainage is used for dust control; runoff from tailings dams/dikes when not constructed of waste rock/tailings and no process fluids are present; runoff from tailings dams/dikes when constructed of waste rock/tailings if and no process fluids are present if composed entirely of storm water and not combining with mine drainage; concentration building if no contact with material piles; mill site if no contact with material piles; office/administrative building and housing if mixed with storm water from industrial area; chemical storage area; docking facility if no excessive contact with waste product that would otherwise constitute mine drainage; explosive storage; fuel storage; vehicle/equipment maintenance area/building; parking areas (if necessary); power plant; truck wash areas if no excessive contact with waste product that would otherwise constitute mine drainage; unreclaimed, disturbed areas outside of active mining area; reclaimed areas released from reclamation bonds prior to December 17, 1990; and partially/inadequately reclaimed areas or areas not released from reclamation bonds.

6.G.2 Industrial Activities Covered by Sector G

Note: ''metal mining'' will connote any of the separate activities listed in Part 6.G.2. The types of activities that permittees under Sector G are primarily engaged in are:

6.G.2.1 exploring for metallic minerals (ores), developing mines and the mining of ores;

6.G.2.2 ore dressing and beneficiating, whether performed at co-located, dedicated mills or separate (*i.e.,* custom) mills.

6.G.3 Limitations on Coverage

6.G.3.1 *Prohibition of Storm Water Discharges.*

Storm water discharges not authorized by this permit: discharges from active metal mining facilities which are subject to effluent limitation guidelines for the Ore Mining and Dressing Point Source Category (40 CFR Part 440).

Note: discharges that come in contact with overburden/waste rock are subject to 40 CFR Part 440, providing: the discharges drain to a point source (either naturally or as a result of intentional diversion) and they combine with ''mine drainage'' that is otherwise regulated under the Part 440 regulations. Discharges from overburden/waste rock can be covered under this permit if they are composed entirely of storm water, do not combine with sources of mine drainage that are subject to 40 CFR Part 440, and meet other eligibility criteria contained in Part 1.2.2.1.

6.G.3.2 *Prohibition of Non-Storm Water Discharges.*

Not authorized by this permit: adit drainage and contaminated springs or seeps (see also the standard Limitations on Coverage in Part 1.2.3).

6.G.4 Definitions

6.G.4.1 *Mining Operation*—typically consists of three phases, any one of which individually qualifies as a ''mining activity.'' The phases are the exploration and construction phase, the active phase, and the reclamation phase.

6.G.4.2 *Exploration and Construction Phase*—entails exploration and land disturbance activities to determine the financial viability of a site. Construction includes the building of site access roads and removal of overburden and waste rock to expose mineable minerals.

6.G.4.3 *Active Phase*—activities including each step from extraction through production of a salable product.

6.G.4.4 *Reclamation Phase*—activities intended to return the land to its pre-mining use

The following definitions are not intended to supercede the definitions of active and inactive mining facilities established by 40 CFR 122.26(b)(14)(iii).

6.G.4.5 *Active Metal Mining Facility*—a place where work or other activity related to the extraction, removal or recovery of metal ore is being conducted. For surface mines, this definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun.

6.G.4.6 *Inactive Metal Mining Facility*—a site or portion of a site where metal mining and/or milling occurred in the past but is not an active facility as defined above, and where the inactive portion is not covered by an active mining permit issued by the applicable State or Federal government agency.

6.G.4.7 *Temporarily Inactive Metal Mining Facility*—a site or portion of a site where metal mining and/or milling occurred in the past but currently are not being actively undertaken, and the facility is covered by an active mining permit issued by the applicable State or Federal government agency.

6.G.5 Clearing, Grading and Excavation Activities

Clearing, grading and excavation activities being conducted as part of the exploration and construction phase of a mining operation cannot be covered under this permit if these activities will disturb one or more acre of land. Instead, coverage for these activities must be under the latest version of EPA's General Permit for Storm Water Discharges from Construction Activities (the ''Construction General Permit;'' **Federal Register**, Vol. 63, p. 7858 and for Region 6, **Federal Register**, Vol. 63, p. 36490), or an individual construction permit. If the area of disturbance during the initial phase is less than one acre, you must continue to comply with the requirements of the MSGP–2000.

6.G.5.1 *Requirements for Activities Disturbing 5 or More Acres of Earth.* If the one-acre limit as defined in Part 6.G.5 is attained, coverage for these activities must be under the latest version of EPA's Construction General Permit (or individual permit). You must first obtain and comply with the Construction General Permit's requirements before submitting the separate Construction General Permit Notice of Intent (NOI) form (EPA Form 3510–9). The February 17, 1998 version of the permit can be downloaded from the EPA's Web Site at *www.epa.gov/owm/sw/construction/cgp/cgp-nat.pdf* and Region 6's July 6, 1998 version of the permit at *www.epa.gov/owm/sw/construction/cgp/cgp-reg6.pdf* or obtained from the Office of Water Resource Center at (202) 260–7786. The NOI form is also available from the Web Site at *www.epa.gov/owm/sw/construction/connoi.pdf* or from your EPA Regional office at the address listed under Part 8.3. Discharges in compliance with the provisions of the Construction General Permit are also authorized under the MSGP.

6.G.5.2 *Cessation of Earth Disturbing Activities.* If exploration phase clearing, grading and excavation activities are completed and no further mining activities will occur at the site, you must comply with the requirements for terminating the Construction General Permit, *i.e.,* stabilize and revegetate the disturbed land, submit a Notice of Termination, etc. If active mining activities will ensue, you must apply for coverage under the MSGP–2000 for your storm water discharges and be prepared to implement any new requirements prior to beginning the active phase. It is recommended you terminate your coverage under the Construction General Permit, but it is not mandatory that you do so. If you choose not to terminate your construction General Permit, you will be responsible for complying with all permit conditions of the construction permit in addition to those of the MSGP–2000. The Notice of Termination form is Addendum E to this permit and is available at http://www.epa.gov/owm/sw/industry/msgp/notform.pdf.

6.G.6 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.G.6.1 *SWPPP Requirements for Active and Temporarily Inactive Metal Mining Facilities.*

6.G.6.1.1 *Nature of Industrial Activities.* (See also Part 4.2.2.1) Briefly describe the mining and associated activities that can potentially affect the storm water discharges covered by this permit, including: the total acreage within the mine site; the estimated acreage of disturbed land; the estimated acreage of land proposed to be disturbed throughout the life of the mine; and a general description of the location of the site relative to major transportation routes and communities.

6.G.6.1.2 *Site Map.* (See also Part 4.2.2.3) Also identify the locations of the following (as appropriate): mining/milling site boundaries; access and haul roads; outline of the drainage areas of each storm water outfall within the facility and indicate the types of discharges from the drainage areas; equipment storage, fueling and maintenance areas; materials handling areas; outdoor manufacturing, storage or material disposal areas; chemicals and explosives storage areas; overburden, materials, soils or waste storage areas; location of mine drainage (where water leaves mine) or other process water; tailings piles/ponds (including proposed ones); heap leach pads; off-site points of discharge for mine drainage/process water; surface waters; and boundary of tributary areas that are subject to effluent limitations guidelines.

6.G.6.1.3 *Potential Pollutant Sources.* (See also Part 4.2.4) For each area of the mine/mill site where storm water discharges associated with industrial activities occur, identify the types of pollutants (e.g., heavy metals, sediment) likely to be present in significant amounts. Consider these factors: the mineralogy of the ore and waste rock (*e.g.,* acid forming); toxicity and quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; vegetation of site (if any); history of significant leaks/spills of toxic or hazardous pollutants. Also include a summary of any existing ore or waste rock/overburden characterization data and test results for potential generation of acid rock. If any new data is acquired due to changes in ore type being mined, update your SWPPP with this information.

6.G.6.1.4 *Site Inspections.* (See also Part 4.2.7.2.1.5) Inspect active mining sites at least monthly. Inspect temporarily inactive sites at least quarterly unless adverse weather conditions make the site inaccessible.

6.G.6.1.5 *Employee Training.* (See also Part 4.2.7.2.1.6) Conduct employee training at least annually at active mining and temporarily inactive sites.

6.G.6.1.6 *Controls.* (See also Part 4.2.7) Consider each of the following BMPs. The potential pollutants identified in Part 6.G.6.1.3 shall determine the priority and appropriateness of the BMPs selected. If you determine that one or more of these BMPs are not appropriate for your facility, explain why it is not appropriate. If BMPs are implemented or planned but are not listed here (*e.g.,* substituting a less toxic chemical for a more toxic one), include descriptions of them in your SWPPP.

6.G.6.1.6.1 *Storm Water Diversions.* Consider diverting storm water away from potential pollutant sources. BMP options: interceptor/diversion controls (*e.g.,* dikes, swales, curbs or berms); pipe slope drains; subsurface drains; conveyance systems (*e.g.,* channels or gutters, open top box culverts and waterbars; rolling dips and road sloping; roadway surface water deflector, and culverts); or their equivalents.

6.G.6.1.6.2 *Sediment and Erosion Control.* (See also Part 4.2.7.2.2.1) At active and temporarily inactive sites consider a range of erosion controls within the broad categories of: flow diversion (*e.g.,* swales); stabilization (*e.g.,* temporary or permanent seeding); and structural controls (*e.g.,* sediment traps, dikes, silt fences).

6.G.6.1.6.3 *Management of Runoff.* (See also Part 4.2.7.2.2.2) Consider the potential pollutant sources given in Part 6.G.6.1.3 when determining reasonable and appropriate measures for managing runoff.

6.G.6.1.6.4 *Capping.* When capping is necessary to minimize pollutant discharges in storm water, identify the source being capped and the material used to construct the cap.

6.G.6.1.6.5 *Treatment.* If treatment of storm water (*e.g.,* chemical or physical systems, oil/water separators, artificial wetlands, etc.) from active and temporarily inactive sites is necessary to protect water quality, describe the type and location of treatment used.

6.G.6.1.6.6 *Certification of Discharge Testing.* (See also Part 4.4.1) Test or evaluate for the presence of specific mining-related non-storm water discharges such as seeps or adit discharges or discharges subject to effluent limitations guidelines (*e.g.,* 40 CFR Part 440), such as mine drainage or process water. Alternatively (if applicable), you may certify in your SWPPP that a particular discharge comprised of commingled storm water and non-storm water is covered under a separate NPDES permit; and that permit subjects the non-storm water portion to effluent limitations prior to any commingling. This certification shall identify the non-storm water discharges, the applicable NPDES permit(s), the effluent limitations placed on the non-storm water discharge by the permit(s), and the points at which the limitations are applied.

6.G.6.2 *SWPPP Requirements for Inactive Metal Mining Facilities.*

6.G.6.2.1 *Nature of Industrial Activities.* (See also Part 4.2.2.1) Briefly describe the mining and associated activities that took place at the site that can potentially affect the storm water discharges covered by this permit. Include: approximate dates of operation; total acreage within the mine and/or processing site; estimate of acres of disturbed earth; activities currently occurring onsite (*e.g.,* reclamation); a general description of site location with respect to transportation routes and communities.

6.G.6.2.2 *Site Map.* (See also Part 4.2.2.3) See Part 6.G.6.1.2 for requirements.

6.G.6.2.3 *Potential Pollutant Sources.* (See also Part 4.2.4) See Part 6.G.6.1.3 for requirements.

6.G.6.2.4 *Controls.* (See also Part 4.2.7) Consider each of the following BMPs. The potential pollutants identified in Part 6.G.6.2.3 shall determine the priority and appropriateness of the BMPs selected. If you determine that one or more of these BMPs are not appropriate for your facility, explain why it is not appropriate. If BMPs are implemented or planned but are not listed here (*e.g.,* substituting a less toxic chemical for a more toxic one), include descriptions of them in your SWPPP. The non-structural controls in the general requirements at Part 4.2.7.2.1 are not required for inactive facilities.

6.G.6.2.4.1 *Storm Water Diversions.* See Part 6.G.6.1.6.2 for requirements.

6.G.6.2.4.2 *Sediment and Erosion Control.* (See also Part 4.2.7.2.2.1) See Part 6.G.6.1.6 for requirements.

6.G.6.2.4.3 *Management of Runoff.* (See also Part 4.2.7.2.2.2)

Also consider the potential pollutant sources as described in Part 6.G.6.2.3 (Summary of Potential Pollutant Sources) when determining reasonable and appropriate measures for managing runoff.

6.G.6.2.4.4 *Capping.* See Part 6.G.6.1.7 for requirements.

6.G.6.2.4.5 *Treatment.* See Part 6.G.6.1.8 for requirements.

6.G.6.2.5 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9)

Annual site compliance evaluations may be impractical for inactive mining sites due to remote location/inaccessibility of the site; in which case conduct the evaluation at least once every 3 years. Document in the SWPPP why annual compliance evaluations are not possible. If the evaluations will be conducted more often than every 3 years, specify the frequency of evaluations.

6.G.7 Monitoring and Reporting Requirements. (See also Part 5)

6.G.7.1 *Analytic Monitoring for Copper Ore Mining and Dressing Facilities.* Active copper ore mining and dressing facilities must sample and analyze storm water discharges for the pollutants listed in Table G–1.

TABLE G–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING FOR COPPER ORE MINING AND DRESSING FACILITIES

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation
Part of Permit Affected/Supplemental Requirements			
Copper Ore Mining and Dressing Facilities ..... (SIC 1021)	Total Suspended Solids (TSS). Nitrate plus Nitrite Nitrogen Chemical Oxygen Demand (COD).	100 mg/L. 0.68 mg/L. 120 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.G.7.2 *Analytic Monitoring Requirements for Discharges From Waste Rock and Overburden Piles at Active Ore Mining and Dressing Facilities.*For discharges from waste rock and overburden piles, perform analytic monitoring at least once within the first year of permit coverage for the parameters listed in Table G–2, and twice annually thereafter for any parameters measured above the benchmark value (based on the initial sampling event) listed in Table G–2. Permittees must also conduct analytic monitoring twice annually for the parameters listed in Table G–3. The twice annual samples must be collected once between January 1 and June 30 and once between July 1 and December 31, with at least 3 months separating the storm events. The director may, however, notify you that you must perform additional monitoring to accurately characterize the quality and quantity of pollutants discharged from your waste rock/overburden piles. Monitoring requirements for discharges from waste rock and overburden piles are not eligible for the waivers in Part 5.3.2.

TABLE G–2.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING FOR DISCHARGES FROM WASTE ROCK AND OVERBURDEN PILES FROM ACTIVE ORE MINING OR DRESSING FACILITIES

Part of permit affected/supplemental requirements—			
Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cutoff concentration [1]	Numeric limitation
Iron Ores; Copper Ores; Lead and Zinc Ores; Gold and Silver Ores; Ferroalloy Ores Except Vanadium; Miscellaneous Metal Ores (SIC Codes 1011, 1021, 1031, 1041, 1044, 1061, 1081, 1094, 1099).	Total Suspended Solids (TSS)	100 mg/L.	
	Turbidity (NTUs)	5 NTUs above background.	
	pH	6.0–9.0 standard units.	
	Hardness (as $CaCO_3$)	no benchmark value.	
See above, as applicable	Antimony, Total	0.636 mg/L.	
	Arsenic, Total	0.16854 mg/L.	
	Beryllium, Total	0.13 mg/L.	
	Cadmium, Total (hardness dependent)	0.0159 mg/L.	
	Copper, Total (hardness dependent)	0.0636 mg/L.	
	Iron, Total	1.0 mg/L.	
	Lead, Total (hardness dependent)	0.0816 mg/L.	
	Manganese, Total	1.0 mg/L.	
	Mercury, Total	0.0024 mg/L.	
	Nickel, Total (hardness dependent)	1.417 mg/L.	
	Selenium, Total	0.2385 mg/L.	
	Silver, Total (hardness dependent)	0.318 mg/L.	
	Zinc, Total (hardness dependent)	0.117 mg/L.	

[1] Monitor at least once during the first year of permit coverage, and twice annually thereafter for any parameter that exceeds the benchmark value. Facilities that monitored for the full list of Table G–2 parameters during the previous permit need not sample the entire list again, however they must continue twice annual monitoring for parameters that exceeded the benchmark values in the initial sampling event.

6.G.7.2.1 Additional Analytic Monitoring Requirements for Discharges From Waste Rock and Overburden Piles.

Table G–3 contains additional monitoring requirements for specific ore mine categories. Perform the monitoring twice annually using the schedule established in Part 6.G.7.2. The initial sampling event for a pollutant parameter required in Table G–2 satisfies the requirement for the first sample of any pollutant measurement in Table G–3.

TABLE G–3.—ADDITIONAL MONOTORING REQUIREMENTS FOR DISCHARGES FROM WASTE ROCK AND OVERBURDEN PILES FROM ACTIVE ORE MINING OR DRESSING FACILITIES

Supplemental requirements—			
Type of Ore mined	Pollutants of concern		
	Total suspended solids (TSS)	pH	Metals, total
Tungsten Ore	X	X	Arsenic, Cadmium (H), Copper (H), Lead (H), Zinc (H).
Nickel Ore	X	X	Arsenic, Cadmium (H), Copper (H), Lead (H), Zinc (H).
Aluminum Ore	X	X	Iron.
Mercury Ore	X	X	Nickel (H).
Iron Ore	X	X	Iron (Dissolved).
Platinum Ore	.....	.....	Cadmium (H), Copper (H), Mercury, Lead (H), Zinc (H).
Titanium Ore	X	X	Iron, Nickel (H), Zinc (H).
Vanadium Ore	X	X	Arsenic, Cadmium (H), Copper (H), Zinc (H).
Copper, Lead, Zinc, Gold, Silver and Molybdenum	X	X	Arsenic, Cadmium (H), Copper (H), Lead, Mercury, Zinc (H).
Uranium, Radium and Vanadium	X	X	Chemical Oxygen Demand, Arsenic, Radium (Dissolved and Total), Uranium, Zinc (H).

Note: (H) indicates that hardness must also be measured when this pollutant is measured.

6.G.7.2.2 *Reporting Requirements Storm Water Discharges From Waste Rock And Overburden Piles From Active Ore Mining or Dressing Facilities.* From active ore mining and dressing facilities, submit monitoring results for each outfall discharging storm water from waste rock and overburden piles, or certifications in accordance with Part 7. Submit monitoring reports on discharge monitoring report (DMR) forms postmarked no later than January 28 of the next year after the samples were collected.

TABLE G–4.—APPLICABILITY OF THE MULTI-SECTOR GENERAL PERMIT TO STORM WATER RUNOFF FROM ACTIVE ORE (METAL) MINING AND DRESSING SITES

Discharge/source of discharge	Note/comment
Piles	
Waste rock/overburden	If composed entirely of storm water and not combining with mine drainage. See Note below.
Topsoil	
Roads constructed of waste rock or spent ore	
Onsite haul roads	If composed entirely of storm water and not combining with mine drainage. See Note below.
Offsite haul/access roads	
Roads not constructed of waste rock or spent ore	
Onsite haul roads	Except if ''mine drainage'' is used for dust control.
Offsite haul/access roads	
Milling/concentrating	
Runoff from tailings dams/dikes when constructed of waste rock/tailings	Except if process fluids are present and only if composed entirely of storm water and not combining with mine drainage. See Note below.
Runoff from tailings dams/dikes when not constructed of waste rock/tailings	Except if process fluids are present.
Concentration building	If storm water only and no contact with piles.
Mill site	If storm water only and no contact with piles.
Ancillary areas	
Office/administrative building and housing	If mixed with storm water from the industrial area.
Chemical storage area	
Docking facility	Except if excessive contact with waste product that would otherwise constitute ''mine drainage''.
Explosive storage	
Fuel storage (oil tanks/coal piles)	
Vehicle/equipment maintenance area/building	
Parking areas	But coverage unnecessary if only employee and visitor-type parking.
Power plant	
Truck wash area	Except when excessive contact with waste product that would otherwise constitute ''mine drainage''.
Reclamation-related areas	
Any disturbed area (unreclaimed)	Only if not in active mining area.
Reclaimed areas released from reclamation bonds prior to Dec. 17 1990.	
Partially/inadequately reclaimed areas or areas not released from reclamation bond.	

Note: Storm water runoff from these sources are subject to the NPDES program for storm water unless mixed with discharges subject to the 40 CFR Part 440 that are not regulated by another permit prior to mixing. Non-storm water discharges from these sources are subject to NPDES permitting and may be subject to the effluent limitation guidelines under 40 CFR Part 440.

Discharges from overburden/waste rock and overburden/waste rock-related areas are not subject to 40 CFR Part 440 unless: (1) it drains naturally (or is intentionally diverted) to a point source; and (2) combines with ''mine drainage'' that is otherwise regulated under the Part 440 regulations. For such sources, coverage under this permit would be available if the discharge composed entirely of storm water does not combine with other sources of mine drainage that are not subject to 40 CFR Part 440, as well as meeting other eligibility criteria contained in Part I.B. of the permit. Permit applicants bear the initial responsibility for determining the applicable technology-based standard for such discharges. EPA recommends that permit applicants contact the relevant NPDES permit issuance authority for assistance to determine the nature and scope of the ''active mining area'' on a mine-by-mine basis, as well as to determine the appropriate permitting mechanism for authorizing such discharges.

6.H Sector H—Coal Mines and Coal Mining Related Facilities

6.H.1 Covered Storm Water Discharges

The requirements in Part 6.H apply to storm water discharges associated with industrial activity from Coal Mines and Coal Mining Related facilities as identified by the SIC Codes specified under Sector H in Table 1–1 of Part 1.2.1.

6.H.2 Industrial Activities Covered by Sector H

Storm water discharges from the following portions of coal mines may be eligible for this permit:

6.H.2.1 Haul roads (nonpublic roads on which coal or coal refuse is conveyed);

6.H.2.2 Access roads (nonpublic roads providing light vehicular traffic within the facility property and to public roadways);

6.H.2.3 Railroad spurs, siding and internal haulage lines (rail lines used for hauling coal within the facility property and to offsite commercial railroad lines or loading areas);

6.H.2.4 Conveyor belts, chutes and aerial tramway haulage areas (areas under and around coal or refuse conveyer areas, including transfer stations); and

6.H.2.5 Equipment storage and maintenance yards, coal handling buildings and structures, and inactive coal mines and related areas (abandoned and other inactive mines, refuse disposal sites and other mining-related areas).

6.H.3 Limitation on Coverage

6.H.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.2.2) Not covered by this permit: discharges from pollutant seeps or underground drainage from inactive coal mines and refuse disposal areas that do not result from precipitation events; and discharges from floor drains in maintenance buildings and other similar drains in mining and preparation plant areas.

6.H.3.2 *Discharges Subject to Storm Water Effluent Guidelines.* (See also Part 1.2.3.4) Not authorized by this permit: storm water discharges subject to an existing effluent limitation guideline at 40 CFR Part 434.

6.H.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.

6.H.4.1 *Other Applicable Regulations.* Most active coal mining-related areas (SIC Codes 1221–1241) are subject to sediment and erosion control regulations of the U.S. Office of Surface Mining (OSM) that enforces the Surface Mining Control and Reclamation Act (SMCRA). OSM has granted authority to most coal producing states to implement SMCRA through State SMCRA regulations. All SMCRA requirements regarding control of storm water-related pollutant discharges must be addressed in the SWPPP (directly or by reference).

6.H.4.2 *Drainage Area Site Map.* (See also Part 4.2.2.3) Also identify where any of the following may be exposed to precipitation/surface runoff: all applicable mining related areas described in Part 6.H.2; acidic spoil, refuse or unreclaimed disturbed areas, and liquid storage tanks containing pollutants such as caustics, hydraulic fluids and lubricants.

6.H.4.3 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following sources and activities that have potential pollutants associated with them: truck traffic on haul roads and resulting generation of sediment subject to runoff and dust generation; fuel or other liquid storage; pressure lines containing slurry, hydraulic fluid or other potential harmful liquids; and loading or temporary storage of acidic refuse/spoil.

6.H.4.4 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1) As part of your good housekeeping program, consider: using sweepers; covered storage; watering haul roads to minimize dust generation; and conserving vegetation (where possible) to minimize erosion.

6.H.4.5 *Preventive Maintenance.* (See also Part 4.2.7.2.1.3) Also perform inspections of storage tanks and pressure lines of fuels, lubricants, hydraulic fluid or slurry to prevent leaks due to deterioration or faulty connections; or other equivalent measures.

6.H.4.6 *Inspections of Active Mining-Related Areas and Inactive Areas Under SMCRA Bond Authority.* (See also Part 4.2.7.2.1.5) Perform quarterly inspections of areas covered by this permit, corresponding with the inspections, as performed by SMCRA inspectors, of all mining-related areas required by SMCRA. Also maintain the records of the SMCRA authority representative.

6.H.4.7 *Sediment and Erosion Control.* (See also Part 4.2.7.2.2.1) As indicated in Part 6.H.4.1 above, SMCRA requirements regarding sediment and erosion control measures are primary requirements of the SWPPP for mining-related areas subject to SMCRA authority.

6.H.4.8 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9.2) Include in your evaluation program, inspections for pollutants entering the drainage system from activities located on or near coal mining-related areas. Among the areas to be inspected: haul and access roads; railroad spurs, sliding and internal hauling lines; conveyor belts, chutes and aerial tramways; equipment storage and maintenance yards; coal handling buildings/structures; and inactive mines and related areas.

6.H.6 Monitoring and Reporting Requirements. (See also Part 5)

TABLE H–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cutoff concentration [1]	Numeric limitation
Part of Permit Affected/Supplemental Requirements			
Coal Mines and Related Areas (SIC 1221–1241)	Total Recoverable Aluminum Total Recoverable Iron Total Suspended Solids	0.75 mg/L. 1.0 mg/L. 100 mg/L..	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.I Sector I—Oil and Gas Extraction and Refining

6.I.1 Covered Storm Water Discharges

The requirements in Part 6.I apply to storm water discharges associated with industrial activity from Oil and Gas Extraction and Refining facilities as identified by the SIC Codes specified under Sector I in Table 1–1 of Part 1.2.1.

6.I.2 Industrial Activities Covered By Sector I

The types of activities that permittees under Sector I are primarily engaged in are:

6.I.2.1 Oil and gas exploration, production, processing or treatment operations, or transmission facilities;

6.I.2.2 Extraction and production of crude oil, natural gas, oil sands and shale; the production of hydrocarbon liquids and natural gas from coal; and associated oil field service, supply and repair industries.

6.I.3 Limitations On Coverage

6.I.3.1 *Prohibition of Storm Water Discharges.* This permit does not authorize contaminated storm water discharges from petroleum refining or drilling operations that are subject to nationally established BAT or BPT guidelines found at 40 CFR Parts 419 and 435, respectively. Note: most contaminated discharges at petroleum refining and drilling facilities are subject to these effluent guidelines and are not eligible for coverage by this permit.

6.I.3.2 *Prohibition of Non-Storm Water Discharges.* Not authorized by this permit: discharges of vehicle and equipment washwater, including tank cleaning operations.

Alternatively, washwater discharges must be authorized under a separate NPDES permit, or be discharged to a sanitary sewer in accordance with applicable industrial pretreatment requirements.

6.I.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.I.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: Reportable Quantity (RQ) releases; locations used for the treatment, storage or disposal of wastes; processing areas and storage areas; chemical mixing areas; construction and drilling areas; all areas subject to the effluent guidelines requirements for ''No Discharge'' in accordance with 40 CFR 435.32; and the structural controls to achieve compliance with the ''No Discharge'' requirements.

6.I.4.2 *Potential Pollutant Sources.* (See also Part 4.2.4)

Also describe the following sources and activities that have potential pollutants associated with them: chemical, cement, mud or gel mixing activities; drilling or mining activities; and equipment cleaning and rehabilitation activities. In addition, include information about the RQ release that triggered the permit application requirements; the nature of release (*e.g.,* spill of oil from a drum storage area); the amount of oil or hazardous substance released; amount of substance recovered; date of the release; cause of the release (*e.g.,* poor handling techniques and lack of containment in the area); areas affected by the release (i.e., land and water); procedure to clean up release; actions or procedures implemented to prevent or improve response to a release; and remaining potential contamination of storm water from release (taking into account human health risks, the control of drinking water intakes and the designated uses of the receiving water).

6.I.4.3 *Inspections.* (See also Part 4.2.7.2.1.5)

6.I.4.3.1 *Inspection Frequency.* Inspect all equipment and areas addressed in the SWPPP at a minimum of 6-month intervals. Routinely (but not less than quarterly) inspect equipment and vehicles which store, mix (including all on and offsite mixing tanks) or transport chemicals/hazardous materials (including those transporting supplies to oil field activities).

6.I.4.3.2 *Temporarily or Permanently Inactive Oil and Gas Extraction Facilities.* For these facilities that are remotely located and unstaffed, perform the inspections at least annually.

6.I.4.4 *Sediment and Erosion Control.* (See also Part 4.2.7.2.2.1) Unless covered by the General Permit for Construction Activity, the additional sediment and erosion control requirements for well drillings, and sand/shale mining areas include the following:

6.I.4.4.1 *Site Description:* Also include: a description of the nature of the exploration activity; estimates of the total area of site and area disturbed due to exploration activity; an estimate of runoff coefficient of the site; site drainage map, including approximate slopes; and the name of all receiving waters. All sediment and erosion control measures must be inspected once every seven days.

6.I.4.4.2 *Vegetative Controls:* Describe and implement vegetative practices designed to preserve existing vegetation where attainable and re-vegetate open areas as soon as practicable after grade drilling. Consider the following (or equivalent measures): temporary or permanent seeding, mulching, sod stabilization, vegetative buffer strips, tree protection practices. Begin implementing appropriate vegetative practices on all disturbed areas within 14 days following the last activity in that area.

6.I.4.5 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.I.4.5.1 *Vehicle and Equipment Storage Areas.* Confine vehicles/equipment awaiting or having undergone maintenance to designated areas (as marked on site map). Describe and implement measures to minimize contaminants from these areas (*e.g.,* drip pans under equipment, indoor storage, use of berms or dikes, or other equivalent measures).

6.I.4.5.2 *Material and Chemical Storage Areas.* Maintain these areas in good conditions to prevent contamination of storm water. Plainly label all hazardous materials.

6.I.4.5.3 *Chemical Mixing Areas.* (See also Part 4.4)

Describe and implement measures that prevent or minimize contamination of storm water runoff from chemical mixing areas.

6.J Sector J—Mineral Mining and Dressing

6.J.1 Covered Storm Water Discharges

The requirements in Part 6.J apply to storm water discharges associated with industrial activity from active and inactive mineral mining and dressing facilities as identified by the SIC Codes specified under Sector J in Table 1–1 of Part 1.2.1.

6.J.2 Industrial Activities Covered by Sector J

The types of activities that permittees under Sector J are primarily engaged in are:

6.J.2.1 exploring for minerals (*e.g.,* stone, sand, clay, chemical and fertilizer minerals, non-metallic minerals, etc.), developing mines and the mining of minerals; and

6.J.2.2 mineral dressing, and non-metallic mineral services.

6.J.3 Limitations on Coverage

Not authorized by this permit: most storm water discharges subject to an existing effluent limitation guideline at 40 CFR part 436. The exceptions to this limitation and which are therefore covered by the MSGP–2000 are mine

dewatering discharges composed entirely of storm water or ground water seepage from: construction sand and gravel, industrial sand, and crushed stone mining facilities in Regions 1, 2, 3, 6, 8, 9, and 10.

6.J.4 Definitions

6.J.4.1 *Mining Operation*—typically consists of three-phases, any one of which individually qualifies as a ''mining activity.'' The phases are the exploration and construction phase, the active phase and the reclamation phase.

6.J.4.2 *Exploration and Construction Phase*—entails exploration and land disturbance activities to determine the financial viability of a site. Construction includes the building of site access roads and removal of overburden and waste rock to expose mineable minerals.

6.J.4.3 *Active Phase*—activities including each step from extraction through production of a salable product.

6.J.4.4 *Reclamation phase*—activities intended to return the land to its pre-mining state.

Note: The following definitions are not intended to supercede the definitions of active and inactive mining facilities established by 40 CFR 122.26(b)(14)(iii).

6.J.4.5 *Active Mineral Mining Facility*—a place where work or other activity related to the extraction, removal or recovery of minerals is being conducted. This definition does not include any land where grading has returned the earth to a desired contour and reclamation has begun.

6.J.4.6 *Inactive Mineral Mining Facility*—a site or portion of a site where mineral mining and/or dressing occurred in the past but is not an active facility as defined above, and where the inactive portion is not covered by an active permit issued by the applicable State or Federal government agency.

6.J.4.7 *Temporarily Inactive Mineral Mining Facility*—a site or portion of a site where mineral mining and/or dressing occurred in the past but currently are not being actively undertaken, and the facility is covered by an active mining permit issued by the applicable State or Federal government agency.

6.J.5 Clearing, Grading and Excavation Activities

Clearing, grading and excavation activities being conducted as part of the exploration and construction phase of a mineral mining operation cannot be covered under this permit if these activities will disturb one or more acre of land. Instead, coverage for these activities must be under the latest version of EPA's General Permit for Storm Water Discharges from Construction Activities (the ''Construction General Permit;'' **Federal Register**, Vol. 63, p. 7858) and, for Region 6, **Federal Register**, Vol. 63, p. 36490), or an individual construction permit. If the area of disturbance during the initial phase is less than one acre, you must continue to comply with the requirements of the MSGP–2000.

6.J.5.1 *Obtaining Coverage Under the Construction General Permit.* If the one-acre limit as described in Part 6.J.5 is attained, coverage for these activities must be under the latest version of EPA's Construction General Permit (or individual permit). You must first obtain and comply with the Construction General Permit's requirements before submitting the separate Construction General Permit Notice of Intent (NOI) form (EPA Form 3510–9). The February 17, 1998 version of the permit can be downloaded from the EPA's Web Site at *http://www.epa.gov/owm/sw/construction/cgp/cgp-nat.pdf* or obtained from the Office of Water Resource Center at (202) 260–7786. The NOI form is also available from the Web Site at *http://www.epa.gov/owm/sw/construction/connoi.pdf* or from your EPA Regional office at the address listed under Part 8.3. Discharges in compliance with the provisions of the Construction General Permit are also authorized under the MSGP.

6.J.5.2 *Cessation of Exploration and Construction Activities.* If exploration phase clearing, grading and excavation activities are completed and no further mining activities will occur at the site, you must comply with the requirements for terminating the Construction General Permit, *i.e.,* stabilize and revegetate the disturbed land, submit a Notice of Termination, etc. If active mining operations will ensue, you must apply for coverage under the MSGP–2000 for your storm water discharges and be prepared to implement any new requirements prior to beginning the active phase. It is recommended you terminate your coverage under the construction general permit, but you are not required to do so. If you choose to not terminate, you will be responsible for complying with all permit conditions of the construction permit in addition to those of the MSGP–2000. The Notice of Termination form is available in Addendum F to this permit and at *http://www.epa.gov/owm/sw/industry/msgp/notform.pdf.*

6.J.6 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.

6.J.6.1 *Inspections.* (See also Part 4.2.7.2.1.5) Conduct quarterly visual inspections of all BMPs at active mining facilities. At temporarily or permanently inactive facilities, perform annual inspections. Include in your inspection program: assessment of the integrity of storm water discharge diversions, conveyance systems, sediment control and collection systems and containment structures; inspections to determine if soil erosion has occurred at, or as a result of vegetative BMPs, serrated slopes and benched slopes; inspections of material handling and storage areas and other potential sources of pollution for evidence of actual or potential discharges of contaminated storm water.

6.J.7 Monitoring and Reporting Requirements. (See also Part 5)

TABLE J–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation [2]
Part of Permit Affected/Supplemental Requirements			
Mine Dewatering Activities at Construction Sand and Gravel; Industrial Sand; and Crushed Stone Mining Facilities (SIC 1422–1429, 1442, 1446).	Total Suspended Solids	.....	25 mg/L, monthly avg. 45 mg/L, daily max
	pH		6.0–9.0
Sand and Gravel Mining (SIC 1442, 1446)	Nitrate plus Nitrogen	0.68 mg/L.	
	Total Suspended Solids	100 mg/L.	

TABLE J–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING—Continued

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation [2]
Dimension and Crushed Stone and Nonmetallic Minerals (except fuels) (SIC 1411, 1422–1429, 1481, 1499).	Total Suspended Solids	100 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.
[2] Monitor once/year for Each Monitoring Year.

6.K Sector K—Hazardous Waste Treatment, Storage or Disposal Facilities

6.K.1 Covered Storm Water Discharges

The requirements in Part 6.K apply to storm water discharges associated with industrial activity from Hazardous Waste Treatment, Storage or Disposal facilities as identified by the Activity Code specified under Sector K in Table 1–1 of Part 1.2.1.

6.K.2 Industrial Activities Covered by Sector K

This permit authorizes storm water discharges associated with industrial activity from facilities that treat, store or dispose of hazardous wastes, including those that are operating under interim status or a permit under subtitle C of RCRA.

6.K.3 Limitations on Coverage

For facilities located in Region 6, coverage is limited to Hazardous Waste Treatment Storage or Disposal Facilities (TSDF's) that are self-generating or handle residential wastes only and to those facilities that only store hazardous wastes and do not treat or dispose. Those permits are issued by EPA Region 6 for Louisiana (LAR05*###), New Mexico (NMR05*###), Oklahoma (OKR05*###), and Federal Indian Reservations in these States (LAR05*##F, NMR05*##F, OKR05*##F, or TXR05*##F). Coverage under this permit is not available to commercial hazardous waste disposal/treatment facilities located in Region 6 that dispose and treat on a commercial basis any produced hazardous wastes (not their own) as a service to generators.

6.K.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) Not authorized by this permit: leachate, gas collection condensate, drained free liquids, contaminated ground water, laboratory-derived wastewater and contact washwater from washing truck and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

6.K.4 Definitions

6.K.4.1 *Contaminated storm water*—storm water which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 6.K.4.5. Some specific areas of a landfill that may produce contaminated storm water include (but are not limited to): the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.

6.K.4.2 *Drained free liquids*—aqueous wastes drained from waste containers (*e.g.,* drums, etc.) prior to landfilling.

6.K.4.3 *Land treatment facility*—a facility or part of a facility at which hazardous waste is applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.

6.K.4.4 *Landfill*—an area of land or an excavation in which wastes are placed for permanent disposal, that is not a land application or land treatment unit, surface impoundment, underground injection well, waste pile, salt dome formation, a salt bed formation, an underground mine or a cave as these terms are defined in 40 CFR 257.2, 258.2 and 260.10.

6.K.4.5 *Landfill wastewater*—as defined in 40 CFR Part 445 (Landfills Point Source Category) all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated storm water, contaminated groundwater, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated storm water and contact washwater from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

6.K.4.6 *Leachate*—liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.

6.K.4.7 *Non-contaminated storm water*—storm water which does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 6.K.4.5. Non-contaminated storm water includes storm water which flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

6.K.4.8 *Pile*—any non-containerized accumulation of solid, nonflowing hazardous waste that is used for treatment or storage and that is not a containment building.

6.K.4.9 *Surface impoundment*—a facility or part of a facility which is a natural topographic depression, man-made excavation or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds and lagoons.

6.K.5 Numeric Limitations, Monitoring and Reporting Requirements. (See also Part 5)

TABLE K–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK AND COMPLIANCE MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation [2]
Part of Permit Affected/Supplemental Requirements			
ALL—Industrial Activity Code	Ammonia	19.0 mg/L	
"HZ" (Note: permit coverage limited in some States)	Total Recoverable Magnesium.	0.0636 mg/L	
	Chemical Oxygen Demand (COD).	120.0 mg/L	
	Total Recoverable Arsenic	0.16854 mg/L	
	Total Recoverable Cadmium.	0.0159 mg/L	
	Total Cyanide	0.0636 mg/L	
	Total Recoverable Lead	0.0816 mg/L	
	Total Recoverable Mercury	0.0024 mg/L	
	Total Recoverable Selenium.	0.2385 mg/L	
	Total Recoverable Silver ...	0.0318 mg/L	
ALL—Industrial Activity Code	BOD5	.....	220 mg/l, daily max.
"HZ" Subject to the Provisions of 40 CFR Part 445 Subpart A.			56 mg/l, monthly avg. maximum.
	TSS	.....	88 mg/l, daily max.
			27 mg/l, monthly avg. maximum.
	Ammonia	.....	10 mg/l, daily maximum.
			4.9 mg/l, monthly avg. maximum.
	Alpha Terpineol	.....	0.042 mg/l, daily max.
			0.019 mg/l, monthly avg. maximum.
	Aniline	.....	0.024 mg/l, daily max.
			0.015 mg/l, monthly avg. maximum.
	Benzoic Acid	.....	0.119 mg/l, daily max.
			0.073 mg/l, monthly avg. maximum.
	Naphthalene	.....	0.059 mg/l, daily max.
			0.022 mg/l, monthly avg. maximum.
	p-Cresol	.....	0.024 mg/l, daily max.
			0.015 mg/l, monthly avg. maximum.
	Phenol	.....	0.048 mg/l, daily max.
			0.029 mg/l, monthly avg. maximum.
	Pyridine	.....	0.072 mg/l, daily max.
			0.025 mg/l, monthly avg. maximum.
	Arsenic (Total)	.....	1.1 mg/l, daily maximum.
			0.54 mg/l, monthly avg. maximum.
	Chromium (Total)	.....	1.1 mg/l, daily maximum.
			0.46 mg/l, monthly avg. maximum.
	Zinc (Total)	.....	0.535 mg/l, daily max.
			0.296 mg/l, monthly avg. maximum.
	pH	.....	Within the range of 6–9 pH units.

[1] These benchmark monitoring cutoff concentrations apply to storm water discharges associated with industrial activity other than contaminated storm water discharges from landfills subject to the numeric effluent limitations set forth in Table K–1. Monitor once/quarter for the year 2 and year 4 monitoring years.

[2] As set forth at 40 CFR Part 445 Subpart A, these numeric limitations apply to contaminated storm water discharges from hazardous waste landfills subject to the provisions of RCRA Subtitle C at 40 CFR Parts 264 (Subpart N) and 265 (Subpart N) except for any of the facilities described below:

(a) Landfills operated in conjunction with other industrial or commercial operations when the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;

(b) Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation or the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;

(c) Landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for discharge. A landfill directly associated with a CWT facility is subject to this part if the CWT facility discharges landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or

(d) Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.

For the discharges subject to the numeric effluent limitations, monitoring for the specified parameters is required once/year during each year of the term of the permit.

6.L Sector L—Landfills, Land Application Sites and Open Dumps

6.L.1 Covered Storm Water Discharges

The requirements in Part 6.L apply to storm water discharges associated with industrial activity from Landfills and Land Application Sites and Open Dumps as identified by the Activity Codes specified under Sector L in Table 1–1 of Part 1.2.1.

6.L.2 Industrial Activities Covered by Sector L

This permit may authorize storm water discharges for Sector L facilities associated with waste disposal at landfills, land application sites and open dumps that receive or have received industrial waste, including sites subject to regulation under Subtitle D of RCRA.

6.L.3 Limitations on Coverage

6.L.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1)

Not authorized by this permit: leachate, gas collection condensate, drained free liquids, contaminated ground water, laboratory wastewater, and contact washwater from washing truck and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

6.L.4 Definitions

6.L.4.1 *Contaminated storm water*—storm water which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Some specific areas of a landfill that may produce contaminated storm water include (but are not limited to): the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.

6.L.4.2 *Drained free liquids*—aqueous wastes drained from waste containers (*e.g.,* drums, etc.) prior to landfilling.

6.L.4.3 *Landfill wastewater*—as defined in 40 CFR Part 445 (Landfills Point Source Category) all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated storm water, contaminated groundwater, and wastewater from recovery pumping wells. Landfill process wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated storm water and contact washwater from washing truck, equipment and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

6.L.4.4 *Leachate*—liquid that has passed through or emerged from solid waste and contains soluble, suspended or miscible materials removed from such waste.

6.L.4.5 *Non-contaminated storm water*—storm water which does not come in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Non-contaminated storm water includes storm water which flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

6.L.5 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.L.5.1 *Drainage Area Site Map.* (See also Part 4.2.2.3)

Identify where any of the following may be exposed to precipitation/surface runoff: Active and closed landfill cells or trenches, active and closed land application areas, locations where open dumping is occurring or has occurred, locations of any known leachate springs or other areas where uncontrolled leachate may commingle with runoff, leachate collection and handling systems.

6.L.5.2 *Summary of Potential Pollutant Sources.* (See also Part 4.2.4)

Describe the following sources and activities that have potential pollutants associated with them: fertilizer, herbicide and pesticide application; earth/soil moving; waste hauling and loading/unloading; outdoor storage of significant materials including daily, interim and final cover material stockpiles as well as temporary waste storage areas; exposure of active and inactive landfill and land application areas; uncontrolled leachate flows; failure or leaks from leachate collection and treatment systems.

6.L.5.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

As part of your good housekeeping program, consider providing protected storage areas for pesticides, herbicides, fertilizer and other significant materials.

6.L.5.4 *Preventative Maintenance Program.* (See also Part 4.2.7.1)

As part of your preventive maintenance program, maintain: all containers used for outdoor chemical/significant materials storage to prevent leaking; all elements of leachate collection and treatment systems to prevent commingling of leachate with storm water; the integrity and effectiveness of any intermediate or final cover (including repairing the cover as necessary to minimize the effects of settlement, sinking and erosion).

6.L.5.5 *Inspections.*

6.L.5.5.1 *Inspections of Active Sites.* (See also Part 4.2.7.2.1.5) Inspect operating landfills, open dumps and land application sites at least once every 7 days. Focus on areas of landfills that have not yet been finally stabilized, active land application areas, areas used for storage of material/wastes that are exposed to precipitation, stabilization and structural control measures, leachate collection and treatment systems, and locations where equipment and waste trucks enter/exit the site. Ensure that sediment and erosion control measures are operating properly. For stabilized sites and areas where land application has been completed, or where the climate is seasonally arid (annual rainfall averages from 0 to 10 inches) or semi-arid (annual rainfall averages from 10 to 20 inches), conduct inspections at least once every month.

6.L.5.5.2 *Inspections of Inactive Sites.* (See also Part 4.2.7.2.1.5) Inspect inactive landfills, open dumps and land application sites at least quarterly. Qualified personnel must inspect landfill (or open dump) stabilization and structural erosion control measures and leachate collection and treatment systems, and all closed land application areas.

6.L.5.6 *Recordkeeping and Internal Reporting.* Implement a tracking system for the types of wastes disposed of in each cell or trench of a landfill or open dump. For land application sites, track

the types and quantities of wastes applied in specific areas.

6.L.5.7 *Non-Storm Water Discharge Test Certification.* (See also Part 4.) The discharge test and certification must also be conducted for the presence of leachate and vehicle washwater.

6.L.5.8 *Sediment and Erosion Control Plan.* (See also Part 4.2.7.2.2.1) Provide temporary stabilization (e.g., consider temporary seeding, mulching and placing geotextiles on the inactive portions of stockpiles): for materials stockpiled for daily, intermediate and final cover; for inactive areas of the landfill or open dump; for any landfill or open dump area that have gotten final covers but where vegetation has yet to established itself; and where waste application has been completed at land application sites but final vegetation has not yet been established.

6.L.5.9 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9.2) Evaluate areas contributing to a storm water discharge associated with industrial activities at landfills, open dumps and land application sites for evidence of, or the potential for, pollutants entering the drainage system.

6.L.6 Numeric Limitations, Monitoring and Reporting Requirements. (See also Part 5)

TABLE L–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK AND COMPLIANCE MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation [2]
Section of Permit Affected/Supplemental Requirements			
All Landfill, Land Application Sites and Open Dumps (Industrial Activity Code ''LF'').	Total Suspended Solids (TSS).	100 mg/L.	
All Landfill, Land Application Sites and Open Dumps, Except Municipal Solid Waste Landfill (MSWLF) Areas Closed in Accordance with 40 CFR 258.60 (Industrial Activity Code ''LF'').	Total Recoverable Iron	1.0mg/L.	
All Landfills Which are Subject to the Requirements of 40 CFR Part 445 Subpart B (Industrial Activity Code ''LF'').	BOD5	.....	140 mg/1, daily max. 37 mg/1, monthly ave maximum
	TSS	.....	88 mg/l, daily max. 27 mg/1, monthly ave maximum.
	Ammonia	.....	10 mg/1, daily max. 4.9 mg/1, monthly ave maximum.
	Alpha Terpineol	.....	0.033 mg/1, daily max. 0.016 mg/1, monthly ave maximum.
	Benzoic Acid	.....	0.12 mg/1, daily max. 0.071 mg/1, monthly ave maximum.
	p-Cresol	.....	0.025 mg/1, daily max. 0.014 mg/1, monthly ave maximum.
	Phenol	.....	0.026 mg/1, daily max. 0.015 mg/1, monthly ave maximum.
	Zinc (Total)	.....	0.20 mg/1, daily max. 0.11 mg/1, monthly ave maximum.
	pH	.....	Within the range of 6–9 pH units.

[1] These benchmark monitoring cutoff concentrations apply to storm water discharges associated with industrial activity other than contaminated storm water discharges from landfills subject to the numeric effluent limitations set forth in Table L–1. Monitor once/quarter for the year 2 and year 4 monitoring years.

[2] As set forth at 40 CFR Part 445 Subpart B, these numeric limitations apply to contaminated storm water discharges from MSWLFs which have not been closed in accordance with 40 CFR 258.60, and contaminated storm water discharges from those landfills which are subject to the provisions of 40 CFR Part 257 except for discharges from any of facilities described in (a) through (d) below:

(a) landfills operated in conjunction with other industrial or commercial operations when the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;

(b) landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation or the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;

(c) landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for discharge. A landfill directly associated with a CWT facility is subject to this part if the CWT facility discharges landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or

(d) landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.

For the discharges subject to the numeric effluent limitations, monitoring for the specified parameters is required once/year during each year of the term of the permit.

6.M Sector M—Automobile Salvage Yards

6.M.1 Covered Storm Water Discharges

The requirements in Part 6.M apply to storm water discharges associated with industrial activity from Automobile Salvage Yards as identified by the Activity Code specified under Sector M in Table 1–1 of Part 1.2.1.

6.M.2 Industrial Activities Covered by Sector M

The types of activities that permittees under Sector M are primarily engaged in are dismantling or wrecking used motor vehicles for parts recycling/resale and for scrap.

6.M.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.M.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Indicate the location of each monitoring point, and estimate the total acreage used for industrial activity including, but not limited to, dismantling, storage and maintenance of used motor vehicle parts. Also identify where any of the following may be exposed to precipitation/surface runoff: Dismantling areas; parts (*e.g.*, engine blocks, tires, hub caps, batteries, hoods, mufflers) storage areas; liquid storage tanks and drums for fuel and other fluids.

6.M.3.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Assess the potential for the following to contribute pollutants to storm water discharges: Vehicle storage areas; dismantling areas; parts storage area (*e.g.*, engine blocks, tires, hub caps, batteries, hoods, mufflers); fueling stations.

6.M.3.3 *Spill and Leak Prevention Procedures.* (See also Part 4.2.7.2.1.4) Drain vehicles intended to be dismantled of all fluids upon arrival at the site (or as soon thereafter as feasible); or employ some other equivalent means to prevent spills/leaks.

6.M.3.4 *Inspections.* (See also Part 4.2.7.2.1.5) Immediately (or as soon thereafter as feasible) inspect vehicles arriving at the site for leaks. Inspect quarterly for signs of leakage, all equipment containing oily parts, hydraulic fluids or any other types of fluids. Also inspect quarterly for signs of leakage, all vessels and areas where fluids are stored, including, but not limited to, brake fluid, transmission fluid, radiator water and antifreeze.

6.M.3.5 *Employee Training.* (See also Part 4.2.7.2.1.6) If applicable to your facility, address the following areas (at a minimum) in your employee training program: Proper handling (collection, storage, and disposal) of oil, used mineral spirits, anti-freeze and solvents.

6.M.3.6 *Management of Runoff.* (See also Part 4.2.7.2.2.2) Consider the following management practices: Berms or drainage ditches on the property line (to help prevent run-on from neighboring properties); berms for uncovered outdoor storage of oily parts, engine blocks and above-ground liquid storage; installation of detention ponds; and the installation of filtering devices and oil/water separators.

6.M.4 Monitoring and Reporting Requirements. (See also Part 5)

TABLE M–1.—SECTOR-SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation
Sector of Permit Affected/Supplemental Requirements			
Automobile Salvage Yards (SIC 5015)	Total Suspended Solids (TSS). Total Recoverable Aluminum. Total Recoverable Iron ..... Total Recoverable Lead	100.0 mg/L. 0.75 mg/L. 1.0 mg/L. 0.0816 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 monitoring years.

6.N Sector N—Scrap Recycling and Waste Recycling Facilities

6.N.1 Covered Storm Water Discharges

The requirements in Part N apply to storm water discharges associated with industrial activity from Scrap Recycling and Waste Recycling facilities as identified by the SIC Codes specified under Sector N in Table 1–1 of Part 1.2.1.

6.N.2 Industrial Activities Covered by Sector N

The types of activities that permittees under Sector N are primarily engaged in are:

6.N.2.1 processing, reclaiming and wholesale distribution of scrap and waste materials such as ferrous and nonferrous metals, paper, plastic, cardboard, glass, animal hides;

6.N.2.2 reclaiming and recycling liquid wastes such as used oil, antifreeze, mineral spirits and industrial solvents.

6.N.3 Coverage Under This Permit

Separate permit requirements have been established for recycling facilities that only receive source-separated recyclable materials primarily from non-industrial and residential sources (*i.e.*, common consumer products including paper, newspaper, glass, cardboard, plastic containers, aluminum and tin cans). This includes recycling facilities commonly referred to as material recovery facilities (MRF).

6.N.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.2.2) Not covered by this permit: non-storm water discharges from turnings containment areas (see also Part 6.N.5.1.3). Discharges from containment areas in the absence of a storm event are prohibited unless covered by a separate NPDES permit.

6.N.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP. Part 6.N.4.1 contains a requirement that applies to all recycling facilities and is followed by Parts 6.N.4.2 to 6.N.4.4.4, which have requirements for specific types of

recycling facilities. Implement and describe in your SWPPP a program to address those items that apply. Included are lists of BMP options which, along with any functional equivalents, should be considered for implementation. Selection or deselection of a particular BMP or approach is up to the best professional judgement of the operator, as long as the objective of the requirement is met.

6.N.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3)

Identify the locations of any of the following activities or sources which may be exposed to precipitation/surface runoff: scrap and waste material storage, outdoor scrap and waste processing equipment, and containment areas for turnings exposed to cutting fluids.

6.N.4.2 *Scrap and Waste Recycling Facilities (Non-Source Separated, Non-Liquid Recyclable Materials).* Requirements for facilities that receive, process and do wholesale distribution of non-liquid recyclable wastes (*e.g.*, ferrous and nonferrous metals, plastics, glass, cardboard and paper). These facilities may receive both non recyclable and recyclable materials. This section is not intended for those facilities that only accept recyclables from primarily non-industrial and residential sources.

6.N.4.2.1 *Inbound Recyclable and Waste Material Control Program.* Minimize the chance of accepting materials that could be significant sources of pollutants by conducting inspections of inbound recyclables and waste materials. BMP options: (a) Provide information/education to suppliers of scrap and recyclable waste materials on draining and properly disposing of residual fluids (*e.g.*, from vehicles and equipment engines, radiators and transmissions, oil filled transformers and individual containers or drums), prior to delivery to your facility; (b) procedures to minimize the potential of any residual fluids from coming into contact with precipitation/runoff; (c) procedures for accepting scrap lead-acid batteries (additional requirements for the handling, storage and disposal or recycling of batteries are contained in the scrap lead-acid battery program provisions in N.5.1.6); (d) training targeted for those personnel engaged in the inspection and acceptance of inbound recyclable materials. In addition, (e) liquid wastes, including used oil, must be stored in materially compatible and non-leaking containers and disposed or recycled in accordance with RCRA.

6.N.4.2.2 *Scrap and Waste Material Stockpiles/Storage (Outdoor).* Minimize contact of storm water runoff with stockpiled materials, processed materials and non-recyclable wastes. BMP options: (a) Permanent or semi-permanent covers; (b) to facilitate settling or filtering of pollutants: sediment traps, vegetated swales and strips, catch basin filters and sand filters; (c) divert runoff away from storage areas via dikes, berms, containment trenches, culverts and surface grading; (d) silt fencing; (e) oil/water separators, sumps and dry absorbents for areas where potential sources of residual fluids are stockpiled (*e.g.*, automobile engine storage areas).

6.N.4.2.3 *Stockpiling of Turnings Exposed to Cutting Fluids (Outdoor).* Minimize contact of surface runoff with residual cutting fluids. BMP options (use singularly or in combination): (a) Store all turnings exposed to cutting fluids under some form of permanent or semi-permanent cover. Storm water discharges from these areas are permitted provided the runoff is first treated by an oil/water separator or its equivalent. Identify procedures to collect, handle and dispose/recycle residual fluids which may be present; (b) establish dedicated containment areas for all turnings that have been exposed to cutting fluids. Storm water runoff from these areas can be discharged provided: The containment areas are constructed of either concrete, asphalt or other equivalent types of impermeable material; there is a barrier around the perimeter of the containment areas (*e.g.*, berms, curbing, elevated pads, etc.) to prevent contact with storm water run-on; there is a drainage collection system for runoff generated from containment areas; you have a schedule to maintain the oil/water separator (or its equivalent); and you identify procedures for properly disposing or recycling collected residual fluids.

6.N.4.2.4 *Scrap and Waste Material Stockpiles/Storage (Covered or Indoor Storage).* Minimize contact of residual liquids and particulate matter from materials stored indoors or under cover with surface runoff. BMP options: (a) Good housekeeping measures including the use of dry absorbent or wet vacuuming to contain or dispose/recycle residual liquids originating from recyclable containers; (b) not allowing washwater from tipping floors or other processing areas to discharge to the storm sewer system; (c) disconnect or seal off all floor drains connected to the storm sewer system.

6.N.4.2.5 *Scrap and Recyclable Waste Processing Areas.* Minimize surface runoff from coming in contact with scrap processing equipment. Pay attention to operations that generate visible amounts of particulate residue (*e.g.*, shredding) to minimize the contact of accumulated particulate matter and residual fluids with runoff (*i.e.*, through good housekeeping, preventive maintenance, etc.). BMP options: (a) Regularly inspect equipment for spills/leaks, and malfunctioning/worn/corroded parts or equipment; (b) a preventive maintenance program for processing equipment; (c) use of dry-absorbents or other cleanup practices to collect and dispose/recycle spilled/leaking fluids; (e) on unattended hydraulic reservoirs over 150 gallons in capacity, install such protection devices as low-level alarms or other equivalent devices, or, alternatively, secondary containment that can hold the entire volume of the reservoir; (f) containment or diversion structures such as dikes, berms, culverts, trenches, elevated concrete pads, grading to minimize contact of storm water runoff with outdoor processing equipment or stored materials; (g) oil/water separators or sumps; (h) permanent or semi-permanent covers in processing areas where there are residual fluids and grease; (i) retention/detention ponds or basins; sediment traps, vegetated swales or strips (for pollutant settling/filtration); (j) catch basin filters or sand filters.

6.N.4.2.6 *Scrap Lead-Acid Battery Program.* Properly handle, store and dispose of scrap lead-acid batteries. BMP options: (a) Segregate scrap lead-acid batteries from other scrap materials; (b) proper handling, storage and disposal of cracked or broken batteries; (c) collect and dispose leaking lead-acid battery fluid; (d) minimize/eliminate (if possible) exposure of scrap lead-acid batteries to precipitation or runoff; (e) employee training for the management of scrap batteries.

6.N.4.2.7 *Spill Prevention and Response Procedures.* (See also Part 4.2.7.2.1.4) Minimize storm water contamination at loading/unloading areas, and from equipment or container failures. BMP options: (a) Prevention and response measures for areas that are potential sources of fluid leaks/spills; (b) immediate containment and clean up of spills/leaks. If malfunctioning equipment is responsible for the spill/leak, repairs should also be conducted as soon as possible; (c) cleanup measures including the use of dry absorbents. If this method is employed, there should be an adequate supply of dry absorbent materials kept onsite and used absorbent must be properly disposed of; (d) store drums containing liquids—especially oil and lubricants—either: Indoors, in a bermed area, in overpack containers or spill pallets, or

in other containment devices; (e) install overfill prevention devices on fuel pumps or tanks; (f) place drip pans or equivalent measures under leaking stationary equipment until the leak is repaired. The drip pans should be inspected for leaks and potential overflow and all liquids must be properly disposed of (as per RCRA); (g) install alarms and/or pump shut off systems on outdoor equipment with hydraulic reservoirs exceeding 150 gallons in the event of a line break. Alternatively, a secondary containment system capable of holding the entire contents of the reservoir plus room for precipitation can be used.

6.N.4.2.8 *Quarterly Inspection Program.* (See also Part 4.2.7.2.1.5) Inspect all designated areas of the facility and equipment identified in the plan quarterly.

6.N.4.2.9 *Supplier Notification Program.* As appropriate, notify major suppliers which scrap materials will not be accepted at the facility or are only accepted under certain conditions.

6.N.4.3 *Waste Recycling Facilities (Liquid Recyclable Materials).*

6.N.4.3.1 *Waste Material Storage (Indoor).* Minimize/eliminate contact between residual liquids from waste materials stored indoors and surface runoff. The plan may refer to applicable portions of other existing plans such as SPCC plans required under 40 CFR Part 112. BMP options: (a) procedures for material handling (including labeling and marking); (b) clean up spills/leaks with dry-absorbent materials or a wet vacuum system; (c) appropriate containment structures (trenching, curbing, gutters, etc.); (d) a drainage system, including appurtenances (*e.g.*, pumps or ejectors, manually operated valves), to handle discharges from diked or bermed areas. Drainage should be discharged to an appropriate treatment facility, sanitary sewer system, or otherwise disposed of properly. These discharges may require coverage under a separate NPDES wastewater permit or industrial user permit under the pretreatment program.

6.N.4.3.2 *Waste Material Storage (Outdoor).* Minimize contact between stored residual liquids and precipitation or runoff. The plan may refer to applicable portions of other existing plans such as SPCC plans required under 40 CFR Part 112. Discharges of precipitation from containment areas containing used oil must also be in accordance with applicable sections of 40 CFR Part 112. BMP options: (a) appropriate containment structures (*e.g.*, dikes, berms, curbing, pits) to store the volume of the largest tank with sufficient extra capacity for precipitation; (b) drainage control and other diversionary structures; (c) for storage tanks, provide corrosion protection and/or leak detection systems; (d) use dry-absorbent materials or a wet vacuum system to collect spills.

6.N.4.3.3 *Trucks and Rail Car Waste Transfer Areas.* Minimize pollutants in discharges from truck and rail car loading/unloading areas. Include measures to clean up minor spills/leaks resulting from the transfer of liquid wastes. BMP options: (a) containment and diversionary structures to minimize contact with precipitation or runoff; (b) use dry-clean up methods, wet vacuuming, roof coverings, or runoff controls.

6.N.4.3.4 *Quarterly Inspections.* (See also Part 4.2.7.2.1.5) At a minimum, the inspections must also include all areas where waste is generated, received, stored, treated or disposed and that are exposed to either precipitation or storm water runoff.

6.N.4.4 *Recycling Facilities (Source Separated Materials).* The following identifies considerations for facilities that receive only source-separated recyclables, primarily from non-industrial and residential sources.

6.N.4.4.1 *Inbound Recyclable Material Control.* Minimize the chance of accepting non-recyclables (*e.g.*, hazardous materials) which could be a significant source of pollutants by conducting inspections of inbound materials. BMP options: (a) information/education measures to inform suppliers of recyclables which materials are acceptable and which are not; (b) training drivers responsible for pickup of recycled material; (c) clearly marking public drop-off containers regarding which materials can be accepted; (d) reject non-recyclable wastes or household hazardous wastes at the source; (e) procedures for handling and disposal of non-recyclable material.

6.N.4.4.2 *Outdoor Storage.* Minimize exposure of recyclables to precipitation and runoff. Use good housekeeping measures to prevent accumulation of particulate matter and fluids, particularly in high traffic areas. Other BMP options: (a) provide totally-enclosed drop-off containers for the public; (b) install a sump/pump with each container pit and treat or discharge collected fluids to a sanitary sewer system; (c) provide dikes and curbs for secondary containment (*e.g.*, around bales of recyclable waste paper); (d) divert surface water runoff away from outside material storage areas; (e) provide covers over containment bins, dumpsters, roll-off boxes; (f) store the equivalent one days's volume of recyclable material indoors.

6.N.4.4.3 *Indoor Storage and Material Processing.* Minimize the release of pollutants from indoor storage and processing areas. BMP options: (a) schedule routine good housekeeping measures for all storage and processing areas; (b) prohibit tipping floor washwater from draining to the storm sewer system; (c) provide employee training on pollution prevention practices.

6.N.4.4.4 *Vehicle and Equipment Maintenance.* BMP options for those areas where vehicle and equipment maintenance are occurring outdoors: (a) prohibit vehicle and equipment washwater from discharging to the storm sewer system; (b) minimize or eliminate outdoor maintenance areas whenever possible; (c) establish spill prevention and clean-up procedures in fueling areas; (d) avoid topping off fuel tanks; (e) divert runoff from fueling areas; (f) store lubricants and hydraulic fluids indoors; (g) provide employee training on proper handling, storage of hydraulic fluids and lubricants.

6.N.5 Monitoring and Reporting Requirements. (See also Part 5)

TABLE N–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration[1]	Numeric limitation
Part of Permit Affected/Supplemental Requirements			
Scrap Recycling Facility (SIC 5093)	Chemical Oxygen Demand (COD). Total Suspended Solids (TSS). Total Recoverable Aluminum. Total Recoverable Copper Total Recoverable Iron ..... Total Recoverable Lead .... Total Recoverable Zinc	120 mg/L. 100 mg/L. 0.75 mg/L. 0.0636 mg/L. 1.0 mg/L. 0.0816 mg/L. 0.117 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.O Sector O—Steam Electric Generating Facilities

6.O.1 Covered Storm Water Discharges

The requirements in Part 6.O apply to storm water discharges associated with industrial activity from Steam Electric Power Generating Facilities as identified by the Activity Code specified under Sector O in Table 1–1 of Part 1.2.1.

6.O.2 Industrial Activities Covered by Sector O

This permit authorizes storm water discharges from the following industrial activities at Sector O facilities:

6.O.2.1 Steam electric power generation using coal, natural gas, oil, nuclear energy, etc. to produce a steam source, including coal handling areas;

6.O.2.2 Coal pile runoff, including effluent limitations established by 40 CFR Part 423;

6.O.2.3 Dual fuel co-generation facilities.

6.O.3 Limitations on Coverage

6.O.3.1 *Prohibition of Non-Storm Water Discharges.* Not covered by this permit: non-storm water discharges subject to effluent limitations guidelines.

6.O.3.2 *Prohibition of Storm Water Discharges.* Not covered by this permit: storm water discharges from ancillary facilities (*e.g.,* fleet centers, gas turbine stations and substations) that are not contiguous to a stream electric power generating facility; and heat capture co-generation facilities.

6.O.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.O.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify the locations of any of the following activities or sources which may be exposed to precipitation / surface runoff: storage tanks, scrap yards, general refuse areas; short and long term storage of general materials (including but not limited to: supplies, construction materials, paint equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizer and pesticides); landfills, construction sites; stock piles areas (*e.g.,* coal or limestone piles).

6.O.4.2 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.O.4.2.1 *Fugitive Dust Emissions.* Describe and implement measures that prevent or minimize fugitive dust emissions from coal handling areas. Consider such procedures to minimize the tracking of coal dust offsite as installing specially designed tires, or washing vehicles in a designated area before they leave the site and controlling the wash water.

6.O.4.2.2 *Delivery Vehicles.* Describe and implement measures that prevent or minimize contamination of storm water runoff from delivery vehicles arriving at the plant site. Consider the following: procedures to inspect delivery vehicles arriving at the plant site and ensure overall integrity of the body or container; and procedures to deal with leakage / spillage from vehicles or containers.

6.O.4.2.3 *Fuel Oil Unloading Areas.* Describe and implement measures that prevent or minimize contamination of precipitation / surface runoff from fuel oil unloading areas. Consider, at a minimum (or their equivalents): using containment curbs in unloading areas; having personnel familiar with spill prevention and response procedures present during deliveries to ensure that any leaks / spills are immediately contained and cleaned up; using spill and overflow protection (*e.g.,* drip pans, drip diapers or other containment devices placed beneath fuel oil connectors to contain potential spillage during deliveries or from leaks at the connectors).

6.O.4.2.4 *Chemical Loading / Unloading.* Describe and implement measures that prevent or minimize contamination of precipitation / surface runoff from chemical loading / unloading areas. Consider, at a minimum (or their equivalents): using containment curbs at chemical loading / unloading areas to contain spill; having personnel familiar with spill prevention and response procedures present during deliveries to ensure that any leaks / spills are immediately contained and cleaned up; and load / unload in covered areas and store chemicals indoors.

6.O.4.2.5 *Miscellaneous Loading / Unloading Areas.* Describe and implement measures that prevent or minimize contamination of precipitation / surface runoff from loading / unloading areas. Consider, at a minimum (or their equivalents): covering the loading area; grading, berming, or curbing around the loading area to divert run-on; or locating the loading / unloading equipment and vehicles so leaks are contained in existing containment and flow diversion systems.

6.O.4.2.6 *Liquid Storage Tanks.* Describe and implement measures that prevent or minimize contamination of surface runoff from above ground liquid storage tanks. Consider using, at a minimum (or their equivalents): protective guards around tank; containment curbs; spill and overflow protection; and dry cleanup methods.

6.O.4.2.7 *Large Bulk Fuel Storage Tanks.* Describe and implement measures that prevent or minimize contamination of surface runoff from large bulk fuel storage tanks. Consider,

at a minimum, using containment berms (or its equivalent). You must also comply with applicable State and Federal laws, including Spill Prevention Control and Countermeasures (SPCC).

6.O.4.2.8 *Spill Reduction Measures.* Describe and implement measures to reduce the potential for an oil / chemical spill or reference the appropriate Part of your SPCC plan. At a minimum, visually inspect on a weekly basis, the structural integrity of all above ground tanks, pipelines, pumps and other related equipment, and effect any necessary repairs immediately.

6.O.4.2.9 *Oil Bearing Equipment in Switchyards.* Describe and implement measures that prevent or minimize contamination of surface runoff from oil bearing equipment in switchyard areas. Consider using level grades and gravel surfaces to retard flows and limit the spread of spills or collecting runoff in perimeter ditches.

6.O.4.2.10 *Residue Hauling Vehicles.* Inspect all residue hauling vehicles for proper covering over the load, adequate gate sealing and overall integrity of the container body. Repair as soon as practicable, vehicles without load covering or adequate gate sealing, or with leaking containers or beds.

6.O.4.2.11 *Ash Loading Areas.* Describe and implement procedures to reduce or control the tracking of ash/residue from ash loading areas. Where practicable, clear the ash building floor and immediately adjacent roadways of spillage, debris and excess water before departure of each loaded vehicle.

6.O.4.2.12 *Areas Adjacent to Disposal Ponds or Landfills.* Describe and implement measures that prevent or minimize contamination of surface runoff from areas adjacent to disposal ponds or landfills. Develop procedures to reduce ash residue that may be tracked on to access roads traveled by residue handling vehicles, and reduce ash residue on exit roads leading into and out of residue handling areas.

6.O.4.2.13 *Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse Sites.*

Address these areas in your SWPPP and include appropriate BMPs as referred to in Part 4.

6.O.4.2.14 *Vehicle Maintenance Activities.* For vehicle maintenance activities performed on the plant site, use the applicable BMPs outlined in Part 6.P.

6.O.4.2.15 *Material Storage Areas.* Describe and implement measures that prevent or minimize contamination of storm water runoff from material storage areas (including areas used for temporary storage of miscellaneous products and construction materials stored in lay-down areas). Consider using (or their equivalents): Flat yard grades; collecting runoff in graded swales or ditches; erosion protection measures at steep outfall sites (*e.g.*, concrete chutes, riprap, stilling basins); covering lay-down areas; storing materials indoors; and covering materials temporarily with polyethylene, polyurethane, polypropylene or hypalon. Storm water run-on may be minimized by constructing an enclosure or building a berm around the area.

6.O.4.3 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9.3) As part of your evaluation, inspect the following areas on a monthly basis: Coal handling areas, loading/unloading areas, switchyards, fueling areas, bulk storage areas, ash handling areas, areas adjacent to disposal ponds and landfills, maintenance areas, liquid storage tanks, and long term and short term material storage areas.

6.O.5 Monitoring and Reporting Requirements. (See also Part 5)

TABLE O–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric Limitation [2]
Part of Permit Affected/Supplemental Requirements			
Steam Electric Generating Facilities (Industrial Activity Code ''SE'').	Total Recoverable Iron	1.0 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

[2] Note that the numeric effluent limitation guidelines for coal pile runoff at steam electric generating facilities have been adopted as a standard numeric limits for all coal pile runoff. See Part 5.1.3.

6.P Sector P—Land Transportation and Warehousing

6.P.1 Covered Storm Water Discharges

The requirements in Part 6.P apply to storm water discharges associated with industrial activity from Land Transportation and Warehousing facilities as identified by the Activity Code specified under Sector P in Table 1–1 of Part 1.2.1.

6.P.2 Industrial Activities Covered by Sector P

The types of activities that permittees under Sector P are primarily engaged in are:

6.P.2.1 vehicle and equipment maintenance (vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication);

6.P.2.2 equipment cleaning.

6.P.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.P.3.1 *Drainage Site Map.* (See also Part 4.2.2.3) Identify the locations of any of the following activities or sources: Fueling stations; vehicle/equipment maintenance or cleaning areas; storage areas for vehicle/equipment with actual or potential fluid leaks; loading/unloading areas; areas where treatment, storage or disposal of wastes occur; liquid storage tanks; processing areas; storage areas; and all monitoring areas.

6.P.3.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe and assess the potential for the following to contribute pollutants to storm water discharges: Onsite waste storage or disposal; dirt/gravel parking areas for vehicles awaiting maintenance; and fueling areas.

6.P.3.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.P.3.3.1 *Vehicle and Equipment Storage Areas.* Confine the storage of leaky or leak-prone vehicles/equipment awaiting maintenance to designated areas. Consider the following (or other equivalent measures): The use of drip pans under vehicles/equipment, indoor storage of vehicles and equipment, installation of berms or dikes, use of absorbents, roofing or covering storage areas, and cleaning pavement surfaces to remove oil and grease.

6.P.3.3.2 *Fueling Areas.* Implement and describe measures that prevent or

minimize contamination of storm water runoff from fueling areas. Consider the following (or other equivalent measures): Covering the fueling area; using spill/overflow protection and cleanup equipment; minimizing storm water runon/runoff to the fueling area; using dry cleanup methods; and treating and/or recycling collected storm water runoff.

6.P.3.3.3 *Material Storage Areas.* Maintain all material storage vessels (*e.g.*, for used oil/oil filters, spent solvents, paint wastes, hydraulic fluids) to prevent contamination of storm water and plainly label them (*e.g.*, ''Used Oil,'' ''Spent Solvents,'' etc.). Consider the following (or other equivalent measures): storing the materials indoors; installing berms/dikes around the areas; minimizing runoff of storm water to the areas; using dry cleanup methods; and treating and/or recycling collected storm water runoff.

6.P.3.3.4 *Vehicle and Equipment Cleaning Areas.* Implement and describe measures that prevent or minimize contamination of storm water runoff from all areas used for vehicle/equipment cleaning. Consider the following (or other equivalent measures): performing all cleaning operations indoors; covering the cleaning operation, ensuring that all washwater drains to a proper collection system (*i.e.*, not the storm water drainage system unless NPDES permitted); treating and/or recycling collected storm water runoff, or other equivalent measures. Note: the discharge of vehicle/equipment washwater, including tank cleaning operations, are not authorized by this permit and must be covered under a separate NPDES permit or discharged to a sanitary sewer in accordance with applicable industrial pretreatment requirements.

6.P.3.3.5 *Vehicle and Equipment Maintenance Areas.* Implement and describe measures that prevent or minimize contamination of storm water runoff from all areas used for vehicle/equipment maintenance. Consider the following (or other equivalent measures): performing maintenance activities indoors; using drip pans; keeping an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting wet clean up practices if these practices would result in the discharge of pollutants to storm water drainage systems; using dry cleanup methods; treating and/or recycling collected storm water runoff, minimizing run on/runoff of storm water to maintenance areas.

6.P.3.3.6 *Locomotive Sanding (Loading Sand for Traction) Areas.* Consider the following (or other equivalent measures): covering sanding areas; minimizing storm water run on/runoff; or appropriate sediment removal practices to minimize the offsite transport of sanding material by storm water.

6.P.3.4 *Inspections.* (See also Part 4.2.7.2.1.5) Inspect all the following areas/activities: storage areas for vehicles/equipment awaiting maintenance, fueling areas, indoor and outdoor vehicle/equipment maintenance areas, material storage areas, vehicle/equipment cleaning areas and loading/unloading areas.

6.P.3.5 *Employee Training.* (See also Part 4.2.7.2.1.6) Train personnel at least once a year and address the following, as applicable: used oil and spent solvent management; fueling procedures; general good housekeeping practices; proper painting procedures; and used battery management.

6.P.3.6 *Vehicle and Equipment Washwater Requirements.* (See also Part 4.4) Attach to or reference in your SWPPP, a copy of the NPDES permit issued for vehicle/equipment washwater or, if an NPDES permit has not been issued, a copy of the pending application. If an industrial user permit is issued under a pretreatment program, attach a copy to your SWPPP. In any case, address all non-storm water permit conditions or pretreatment conditions in your SWPPP. If washwater is handled in another manner (*e.g.*, hauled offsite), describe the disposal method and attach all pertinent documentation/information (*e.g.*, frequency, volume, destination, etc.) in the plan.

6.Q Sector Q—Water Transportation

6.Q.1 Covered Storm Water Discharges

The requirements in Part 6.Q apply to storm water discharges associated with industrial activity from Water Transportation facilities as identified by the Activity Code specified under Sector Q in Table 1–1 of Part 1.2.1.

6.Q.2 Industrial Activities Covered by Sector Q

The requirements listed under this Part apply to storm water discharges associated with the following activities:

6.Q.2.1 Water transportation facilities classified in SIC Code major group 44 that have vehicle (vessel) maintenance shops and/or equipment cleaning operations including:

6.Q.2.1.1 Water transportation industry includes facilities engaged in foreign or domestic transport of freight or passengers in deep sea or inland waters;

6.Q.2.1.2 Marine cargo handling operations;

6.Q.2.1.3 Ferry operations;

6.Q.2.1.4 Towing and tugboat services;

6.Q.2.1.5 Marinas.

6.Q.3 Limitations on Coverage

6.Q.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) Not covered by this permit: bilge and ballast water, sanitary wastes, pressure wash water and cooling water originating from vessels.

6.Q.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.Q.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: fueling; engine maintenance/repair; vessel maintenance/repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (*e.g.*, paint, solvents, resins); and material storage areas (*e.g.*, blasting media, aluminum, steel, scrap iron).

6.Q.4.2 *Summary of Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following additional sources and activities that have potential pollutants associated with them: outdoor manufacturing or processing activities (*i.e.*, welding, metal fabricating); and significant dust or particulate generating processes (*e.g.*, abrasive blasting, sanding, painting).

6.Q.4.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.Q.4.3.1 *Pressure Washing Area.* If pressure washing is used to remove marine growth from vessels, the discharge water must be permitted by a separate NPDES permit. Describe in the SWPPP: the measures to collect or contain the discharges from the pressures washing area; the method for the removal of the visible solids; the methods of disposal of the collected solids; and where the discharge will be released.

6.Q.4.3.2 *Blasting and Painting Area.* Implement and describe measures to prevent spent abrasives, paint chips and over spray from discharging into the receiving water or the storm sewer systems. Consider containing all blasting/painting activities or use other measures to prevent or minimize the discharge the contaminants (*e.g.*,

hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). Where necessary, regularly clean storm water conveyances of deposits of abrasive blasting debris and paint chips. Detail in the SWPPP any standard operating practices relating to blasting/painting (*e.g.*, prohibiting uncontained blasting/painting over open water, or prohibiting blasting/painting during windy conditions which can render containment ineffective).

6.Q.4.3.3 *Material Storage Areas.* Store and plainly label all containerized materials (*e.g.*, fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. Implement and describe measures to prevent or minimize the contamination of precipitation/surface runoff from the storage areas. Specify which materials are stored indoors and consider containment or enclosure for those stored outdoors. If abrasive blasting is performed, discus the storage and disposal of spent abrasive materials generated at the facility. Consider implementing an inventory control plan to limit the presence of potentially hazardous materials onsite.

6.Q.4.3.4 *Engine Maintenance and Repair Areas.* Implement and describe measures to prevent or minimize the contamination of precipitation/surface runoff from all areas used for engine maintenance and repair. Consider the following (or their equivalents): performing all maintenance activities indoors; maintaining an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting the practice of hosing down the shop floor; using dry cleanup methods; and treating and/or recycling storm water runoff collected from the maintenance area.

6.Q.4.3.5 *Material Handling Area.* Implement and describe measures to prevent or minimize the contamination of precipitation/surface runoff from material handling operations and areas (*e.g.*, fueling, paint and solvent mixing, disposal of process wastewater streams from vessels). Consider the following (or their equivalents): covering fueling areas; using spill/overflow protection; mixing paints and solvents in a designated area (preferably indoors or under a shed); and minimize runoff of storm water to material handling areas.

6.Q.4.3.6 *Drydock Activities.* Describe your procedures for routinely maintaining/cleaning the drydock to prevent or minimize pollutants in storm water runoff. Address the cleaning of accessible areas of the drydock prior to flooding, and final cleanup following removal of the vessel and raising the dock. Include procedures for cleaning up oil, grease or fuel spills occurring on the drydock. Consider the following (or their equivalents): sweeping rather than hosing off debris/spent blasting material from accessible areas of the drydock prior to flooding, and having absorbent materials and oil containment booms readily available to contain/cleanup any spills.

6.Q.4.3.7 *General Yard Area.* Implement and describe a schedule for routine yard maintenance and cleanup. Regularly remove from the general yard area: scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc.

6.Q.4.4 *Preventative Maintenance.* (See also Part 4.2.7.2.1.4) As part of your preventive maintenance program, perform timely inspection and maintenance of storm water management devices (*e.g.*, cleaning oil/water separators and sediment traps to ensure that spent abrasives, paint chips and solids will be intercepted and retained prior to entering the storm drainage system) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.

6.Q.4.5 *Inspections.* (See also Part 4.2.7.2.1.5) Include the following areas in all monthly inspections: pressure washing area; blasting, sanding and painting areas; material storage areas; engine maintenance/repair areas; material handling areas; drydock area; and general yard area.

6.Q.4.6 *Employee Training.* (See also Part 4.2.7.2.1.6) As part of your employee training program, address, at a minimum, the following activities (as applicable): used oil management; spent solvent management; disposal of spent abrasives; disposal of vessel wastewaters; spill prevention and control; fueling procedures; general good housekeeping practices; painting and blasting procedures; and used battery management.

6.Q.4.7 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9) Conduct regularly scheduled evaluations at least once a year and address those areas contributing to a storm water discharge associated with industrial activity (*e.g.*, pressure washing area, blasting/sanding areas, painting areas, material storage areas, engine maintenance/repair areas, material handling areas, and drydock area). Inspect these sources for evidence of, or the potential for, pollutants entering the drainage system.

6.Q.5 Monitoring and Reporting Requirements. (See also Part 5)

TABLE Q–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration [1]	Numeric limitation
Part of Permit Affected/Supplemental Requirements			
Water Transportation Facilities (SIC 4412–4499)	Total Recoverable Aluminum..	0.75 mg/L	
		1.0 mg/L	
	Total Recoverable Iron.	0.0816 mg/L	
	Total Recoverable Lead. ...	0.117 mg/L	
	Total Recoverable Zinc.		

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.R Sector R—Ship and Boat Building or Repair Yards

6.R.1 Covered Storm Water Discharges

The requirements in Part 6.R apply to storm water discharges associated with industrial activity from Ship and Boat Building or Repair Yards as identified by the Activity Codes specified under Sector R in Table 1–1 of Part 1.2.1.

6.R.2 Industrial Activities Covered by Sector R

The types of activities that permittees under Sector R are primarily engaged in are:

6.R.2.1 Ship building and repairing and boat building and repairing [3]

6.R.3 Limitations on Coverage

6.R.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) Not covered by this permit: discharges containing bilge and ballast water, sanitary wastes, pressure wash water and cooling water originating from vessels.

6.R.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.R.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: fueling; engine maintenance/repair; vessel maintenance/repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (*e.g.*, paint, solvents, resins); and material storage areas (*e.g.*, blasting media, aluminum, steel, scrap iron).

6.R.4.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following additional sources and activities that have potential pollutants associated with them (if applicable): outdoor manufacturing/processing activities (*e.g.*, welding, metal fabricating); and significant dust/particulate generating processes (*e.g.*, abrasive blasting, sanding, painting).

6.R.4.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.R.4.3.1 *Pressure Washing Area.* If pressure washing is used to remove marine growth from vessels, the discharge water must be permitted as a process wastewater by a separate NPDES permit.

6.R.4.3.2 *Blasting and Painting Area.* Implement and describe measures to prevent spent abrasives, paint chips and over spray from discharging into the receiving water or the storm sewer systems. Consider containing all blasting/painting activities or use other measures to prevent the discharge of the contaminants (*e.g.*, hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). Where necessary, regularly clean storm water conveyances of deposits of abrasive blasting debris and paint chips. Detail in the SWPPP any standard operating practices relating to blasting/painting (*e.g.*, prohibiting uncontained blasting/painting over open water, or prohibiting blasting/painting during windy conditions which can render containment ineffective).

6.R.4.3.3 *Material Storage Areas.* Store and plainly label all containerized materials (*e.g.*, fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. Implement and describe measures to prevent or minimize the contamination of precipitation/surface runoff from the storage areas. Specify which materials are stored indoors and consider containment or enclosure for those stored outdoors. If abrasive blasting is performed, discuss the storage and disposal of spent abrasive materials generated at the facility. Consider implementing an inventory control plan to limit the presence of potentially hazardous materials onsite.

6.R.4.3.4 *Engine Maintenance and Repair Areas.* Implement and describe measures to prevent or minimize the contamination of precipitation/surface runoff from all areas used for engine maintenance and repair. Consider the following (or their equivalents): performing all maintenance activities indoors; maintaining an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting the practice of hosing down the shop floor; using dry cleanup methods; and treating and/or recycling storm water runoff collected from the maintenance area.

6.R.4.3.5 *Material Handling Area.* Implement and describe measures to prevent or minimize the contamination of precipitation/surface runoff from material handling operations and areas (*e.g.*, fueling, paint and solvent mixing, disposal of process wastewater streams from vessels). Consider the following (or their equivalents): covering fueling areas; using spill/overflow protection; mixing paints and solvents in a designated area (preferably indoors or under a shed); and minimize runon of storm water to material handling areas.

6.R.4.3.6 *Drydock Activities.* Describe your procedures for routinely maintaining/cleaning the drydock to prevent or minimize pollutants in storm water runoff. Address the cleaning of accessible areas of the drydock prior to flooding, and final cleanup following removal of the vessel and raising the dock. Include procedures for cleaning up oil, grease or fuel spills occurring on the drydock. Consider the following (or their equivalents): sweeping rather than hosing off debris/spent blasting material from accessible areas of the drydock prior to flooding, and having absorbent materials and oil containment booms readily available to contain/cleanup any spills.

6.R.4.3.7 *General Yard Area.* Implement and describe a schedule for routine yard maintenance and cleanup. Regularly remove from the general yard area: scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc.

6.R.4.4 *Preventative Maintenance.* (See also Part 4.2.7.2.1.4) As part of your preventive maintenance program, perform timely inspection and maintenance of storm water management devices (*e.g.*, cleaning oil/water separators and sediment traps to ensure that spent abrasives, paint chips and solids will be intercepted and retained prior to entering the storm drainage system) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.

6.R.4.5 *Inspections.* (See also Part 4.2.7.2.1.5) Include the following areas in all monthly inspections: pressure washing area; blasting, sanding and painting areas; material storage areas; engine maintenance/repair areas; material handling areas; drydock area; and general yard area.

6.R.4.6 *Employee Training.* (See also Part 4.2.7.2.1.6) As part of your employee training program, address, at a minimum, the following activities (as applicable): used oil management; spent solvent management; disposal of spent abrasives; disposal of vessel wastewaters; spill prevention and control; fueling procedures; general good housekeeping practices; painting and blasting procedures; and used battery management.

6.R.4.7 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9) Conduct regularly scheduled evaluations at least once a year and address those areas contributing to a storm water discharge associated with industrial activity (*e.g.*, pressure

[3] According to the U.S. Coast Guard, a vessel 65 feet or greater in length is referred to as a ship, and a vessel smaller than 65 feet is a boat.

washing area, blasting/sanding areas, painting areas, material storage areas, engine maintenance/repair areas, material handling areas, and drydock area). They must be visually inspected for evidence of, or the potential for, pollutants entering the drainage system.

6.S Sector S—Air Transportation

6.S.1 Covered Storm Water Discharges

The requirements in Part 6.S apply to storm water discharges associated with industrial activity from Air Transportation facilities as identified by the SIC Codes specified under Sector S in Table 1–1 of Part 1.2.1.

6.S.2 Industrial Activities Covered by Sector S

The types of activities that permittees under Sector S are primarily engaged in are:

6.S.2.1 Air transportation, scheduled, and air courier;

6.S.2.2 Air transportation, non scheduled;

6.S.2.3 Airports; flying fields, except those maintained by aviation clubs; and airport terminal services including: air traffic control, except government; aircraft storage at airports; aircraft upholstery repair; airfreight handling at airports; airport hangar rental; airport leasing, if operating airport; airport terminal services; and hangar operations.

6.S.2.4 Airport and aircraft service and maintenance including: aircraft cleaning and janitorial service; aircraft servicing/repairing, except on a factory basis; vehicle maintenance shops; material handling facilities; equipment clearing operations; and airport and aircraft deicing/anti-icing.

Note: ''deicing'' will generally be used to imply both deicing (removing frost, snow or ice) and anti-icing (preventing accumulation of frost, snow or ice) activities, unless specific mention is made regarding anti-icing and/or deicing activities.

6.S.3 Limitations on Coverage

Only those portions of the facility that are involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication), equipment cleaning operations or deicing operations are addressed in Part 6.S.

6.S.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) Not covered by this permit: aircraft, ground vehicle, runway and equipment washwaters; and dry weather discharges of deicing chemicals. These discharges must be covered by a separate NPDES permit.

6.S.4 Special Conditions

6.S.4.1 *Hazardous Substances or Oil.* (See also Part 3.1) Each individual permittee is required to report spills equal to or exceeding the reportable quantity (RQ) levels specified at 40 CFR 110, 117 and 302 as described at Part 3.2. If an airport authority is the sole permittee, then the sum total of all spills at the airport must be assessed against the RQ. If the airport authority is a co-permittee with other deicing operators at the airport, such as numerous different airlines, the assessed amount must be the summation of spills by each co-permittee. If separate, distinct individual permittees exist at the airport, then the amount spilled by each separate permittee must be the assessed amount for the RQ determination.

6.S.5 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.

(See also Part 4.1) If an airport's tenant has a SWPPP for discharges from their own areas of the airport, that SWPPP must be integrated with the plan for the entire airport. Tenants of the airport facility include air passenger or cargo companies, fixed based operators and other parties who have contracts with the airport authority to conduct business operations on airport property and whose operations result in storm water discharges associated with industrial activity.

6.S.5.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: aircraft and runway deicing operations; fueling stations; aircraft, ground vehicle and equipment maintenance/cleaning areas; storage areas for aircraft, ground vehicles and equipment awaiting maintenance.

6.S.5.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Include in your inventory of exposed materials a description of the potential pollutant sources from the following activities: aircraft, runway, ground vehicle and equipment maintenance and cleaning; aircraft and runway deicing operations (including apron and centralized aircraft deicing stations, runways, taxiways and ramps). If you use deicing chemicals, you must maintain a record of the types (including the Material Safety Data Sheets [MSDS]) used and the monthly quantities, either as measured or, in the absence of metering, as estimated to the best of your knowledge. This includes all deicing chemicals, not just glycols and urea (*e.g.,* potassium acetate), because large quantities of these other chemicals can still have an adverse impact on receiving waters. Tenants or other fixed-based operations that conduct deicing operations must provide the above information to the airport authority for inclusion in any comprehensive airport SWPPPs.

6.S.5.3 *Good Housekeeping Measures.* (See also 4.2.7)

6.S.5.3.1 *Aircraft, Ground Vehicle and Equipment Maintenance Areas.* Describe and implement measures that prevent or minimize the contamination of storm water runoff from all areas used for aircraft, ground vehicle and equipment maintenance (including the maintenance conducted on the terminal apron and in dedicated hangers). Consider the following practices (or their equivalents): performing maintenance activities indoors; maintaining an organized inventory of material used in the maintenance areas; draining all parts of fluids prior to disposal; preventing the practice of hosing down the apron or hanger floor; using dry cleanup methods; and collecting the storm water runoff from the maintenance area and providing treatment or recycling.

6.S.5.3.2 *Aircraft, Ground Vehicle and Equipment Cleaning Areas.* Clean equipment only in the areas identified in the SWPPP and site map and clearly demarcate these areas on the ground. Describe and implement measures that prevent or minimize the contamination of storm water runoff from cleaning areas.

6.S.5.3.3 *Aircraft, Ground Vehicle and Equipment Storage Areas.* Store all aircraft, ground vehicles and equipment awaiting maintenance in designated areas only. Consider the following BMPs (or their equivalents): storing aircraft and ground vehicles indoors; using drip pans for the collection of fluid leaks; and perimeter drains, dikes or berms surrounding the storage areas.

6.S.5.3.4 *Material Storage Areas.* Maintain the vessels of stored materials (*e.g.,* used oils, hydraulic fluids, spent solvents, and waste aircraft fuel) in good condition, to prevent or minimize contamination of storm water. Also plainly label the vessels (e.g., ''used oil,'' ''Contaminated Jet A,'' etc.). Describe and implement measures that prevent or minimize contamination of precipitation/runoff from these areas. Consider the following BMPs (or their equivalents): storing materials indoors; storing waste materials in a centralized location; and installing berms/dikes around storage areas.

6.S.5.3.5 *Airport Fuel System and Fueling Areas.* Describe and implement

measures that prevent or minimize the discharge of fuel to the storm sewer/surface waters resulting from fuel servicing activities or other operations conducted in support of the airport fuel system. Consider the following BMPs (or their equivalents): implementing spill and overflow practices (*e.g.,* placing absorptive materials beneath aircraft during fueling operations); using dry cleanup methods; and collecting storm water runoff.

6.S.5.3.6 *Source Reduction.* Consider alternatives to the use of urea and glycol-based deicing chemicals to reduce the aggregate amount of deicing chemicals used and/or lessen the environmental impact. Chemical options to replace ethylene glycol, propylene glycol and urea include: potassium acetate; magnesium acetate; calcium acetate; anhydrous sodium acetate.

6.S.5.3.6.1 *Runway Deicing Operation:* Evaluate, at a minimum, whether over-application of deicing chemicals occurs by analyzing application rates and adjusting as necessary, consistent with considerations of flight safety. Also consider these BMP options (or their equivalents): metered application of chemicals; pre-wetting dry chemical constituents prior to application; installing a runway ice detection system; implementing anti-icing operations as a preventive measure against ice buildup.

6.S.5.3.6.2 *Aircraft Deicing Operations:* As in Part 6.S.5.3.6.1, determine whether excessive application of deicing chemicals occurs and adjust as necessary, consistent with considerations of flight safety. EPA intends for this evaluation to be carried out by the personnel most familiar with the particular aircraft and flight operations in question (vice an outside entity such as the airport authority). Consider using alternative deicing/anti-icing agents as well as containment measures for all applied chemicals. Also consider these BMP options (or their equivalents) for reducing deicing fluid use: forced-air deicing systems, computer-controlled fixed-gantry systems, infrared technology, hot water, varying glycol content to air temperature, enclosed-basket deicing trucks, mechanical methods, solar radiation, hangar storage, aircraft covers, thermal blankets for MD–80s and DC–9s. Also consider using ice-detection systems and airport traffic flow strategies and departure slot allocation systems.

6.S.5.3.7 Management of Runoff. Where deicing operations occur, describe and implement a program to control or manage contaminated runoff to reduce the amount of pollutants being discharged from the site. Consider these BMP options (or their equivalents): a dedicated deicing facility with a runoff collection/recovery system; using vacuum/collection trucks; storing contaminated storm water/deicing fluids in tanks and releasing controlled amounts to a publicly owned treatment works; collecting contaminated runoff in a wet pond for biochemical decomposition (be aware of attracting wildlife that may prove hazardous to flight operations); and directing runoff into vegetative swales or other infiltration measures. Also consider recovering deicing materials when these materials are applied during non-precipitation events (*e.g.,* covering storm sewer inlets, using booms, installing absorptive interceptors in the drains, etc.) to prevent these materials from later becoming a source of storm water contamination. Used deicing fluid should be recycled whenever possible.

6.S.5.4 *Inspections.* (See also Part 4.2.7.2.1.5) Specify the frequency of inspections in your SWPPP. At a minimum they must be conducted monthly during the deicing season (*e.g.,* October through April for most mid-latitude airports). If your facility needs to deice before or after this period, expand the monthly inspections to include all months during which deicing chemicals may be used. Also, if significantly or deleteriously large quantities of deicing chemicals are being spilled or discharged, or if water quality impacts have been reported, increase the frequency of your inspections to weekly until such time as the chemical spills/discharges or impacts are reduced to acceptable levels. The Director may specifically require you to increase inspections and SWPPP reevaluations as necessary.

6.S.5.5 *Comprehensive Site Compliance Evaluation.* (See also 4.9)

(See also Part 4.9)

Using only qualified personnel, conduct your annual site compliance evaluations during periods of actual deicing operations, if possible. If not practicable during active deicing or the weather is too inclement, conduct the evaluations when deicing operations are likely to occur and the materials and equipment for deicing are in place.

6.S.6 Monitoring and Reporting Requirements. (See also Part 5)

TABLE S–1.—SECTOR-SPECIFIC NUMBERIC LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark monitoring cut-off concentration[1]	Numeric limitation
Sector of Permit Affected/Supplemental Requirements			
Facilities at airports that use more than 100,000 gallons of glycol-based deicing/anti-icing chemicals and/or 100 tons or more of urea on an average annual basis: monitor ONLY those outfalls from the airport facility that collect runoff from areas where deicing/anti-icing activities occur (SIC 45XX).	Biochemical Oxygen Demand (BOD_5).	30 mg/L	120.0mg/L.
		Chemical Oxygen Demand COD).	Ammonia 19 mg/L.
			pH 6/0 to 9 s.u

[1] Monitor once/quarter for the year 2 and year 4 monitoring years.

6.T Sector T—Treatment Works

6.T.1 Covered Storm Water Discharges

The requirements in Part 6.T apply to storm water discharges associated with industrial activity from Treatment Works as identified by the Activity Code specified under Sector T in Table 1–1 of Part 1.2.1.

6.T.2 Industrial Activities Covered by Sector T

The requirements listed under this Part apply to all existing point source storm water discharges associated with the following activities:

6.T.2.1 treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system used in the storage, treatment, recycling and reclamation of municipal

or domestic sewage; including land dedicated to the disposal of sewage sludge; that are located within the confines of the facility with a design flow of 1.0 MGD or more; or required to have an approved pretreatment program under 40 CFR Part 403.

6.T.2.2 Not required to have permit coverage: farm lands; domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located within the facility; or areas that are in compliance with Section 405 of the CWA.

6.T.3 Limitations on Coverage

6.T.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) Not authorized by this permit: sanitary and industrial wastewater; and equipment/vehicle washwater.

6.T.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.T.4.1 *Site Map.* (See also Part 4.2.2.3.6) Identify where any of the following may be exposed to precipitation/surface runoff: grit, screenings and other solids handling, storage or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station; and storage areas for process chemicals, petroleum products, solvents, fertilizers, herbicides and pesticides.

6.T.4.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following additional sources and activities that have potential pollutants associated with them, as applicable: grit, screenings and other solids handling, storage or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station; and access roads/rail lines.

6.T.4.3 *Best Management Practices (BMPs).* (See also Part 4.2.7.2) In addition to the other BMPs considered, consider the following: routing storm water to the treatment works; or covering exposed materials (*i.e.,* from the following areas: grit, screenings and other solids handling, storage or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station).

6.T.4.4 *Inspections.* (See also Part 4.2.7.2.1.5) Include the following areas in all inspections: access roads/rail lines; grit, screenings and other solids handling, storage or disposal areas; sludge drying beds; dried sludge piles; compost piles; septage or hauled waste receiving station areas.

6.T.4.5 *Employee Training.* (See also Part 4.2.7.2.1.6) At a minimum, must address the following areas when applicable to a facility: petroleum product management; process chemical management; spill prevention and controls; fueling procedures; general good housekeeping practices; proper procedures for using fertilizer, herbicides and pesticides.

6.T.4.6 *Wastewater and Washwater Requirements.* (See also Part 4.4) Attach to your SWPPP a copy of all your current NPDES permits issued for wastewater, industrial, vehicle and equipment washwater discharges or, if an NPDES permit has not yet been issued, a copy of the pending applications. Address any requirements/conditions from the other permits, as appropriate, in the SWPPP. If the washwater is handled in another manner, the disposal method must be described and all pertinent documentation must be attached to the plan.

6.U Sector U—Food and Kindred Products

6.U.1 Covered Storm Water Discharges

The requirements in Part 6.U apply to storm water discharges associated with industrial activity from Food and Kindred Products facilities as identified by the SIC Codes specified in Table 1–1 of Part 1.2.1.

6.U.2 Industrial Activities Covered by Sector U

The types of activities that permittees under Sector U are primarily engaged in are:

6.U.2.1 meat products;
6.U.2.2 dairy products;
6.U.2.3 canned, frozen and preserved fruits, vegetables, and food specialties;
6.U.2.4 grain mill products;
6.U.2.5 bakery products;
6.U.2.6 sugar and confectionery products;
6.U.2.7 fats and oils;
6.U.2.8 beverages;
6.U.2.9 miscellaneous food preparations and kindred products and tobacco products manufacturing.

6.U.3 Limitations on Coverage

Not covered by this permit: storm water discharges identified under Part 1.2.3 from industrial plant yards, material handling sites; refuse sites; sites used for application or disposal of process wastewaters; sites used for storage and maintenance of material handling equipment; sites used for residential wastewater treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; and storage areas for raw material and intermediate and finished products. This includes areas where industrial activity has taken place in the past and significant materials remain. ''Material handling activities'' include the storage, loading/unloading, transportation or conveyance of any raw material, intermediate product, finished product, by-product or waste product.

6.U.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.2.2) Not authorized by this permit: discharges subject to Part 1.2.2.2 include discharges containing: boiler blowdown, cooling tower overflow and blowdown, ammonia refrigeration purging and vehicle washing/clean-out operations.

6.U.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.U.4.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify the locations of the following activities if they are exposed to precipitation/runoff: vents/stacks from cooking, drying and similar operations; dry product vacuum transfer lines; animal holding pens; spoiled product; and broken product container storage areas.

6.U.4.2 *Potential Pollutant Sources.*(See also Part 4.2.4) Describe, in addition to food and kindred products processing-related industrial activities, application and storage of pest control chemicals (*e.g.,* rodenticides, insecticides, fungicides, etc.) used on plant grounds.

6.U.4.3 *Inspections.*(See also Part 4.2.7.2.1.5) Inspect on a regular basis, at a minimum, the following areas where the potential for exposure to storm water exists: loading and unloading areas for all significant materials; storage areas including associated containment areas; waste management units; vents and stacks emanating from industrial activities; spoiled product and broken product container holding areas; animal holding pens; staging areas; and air pollution control equipment.

6.U.4.4 *Employee Training.*(See also Part 4.2.7.2.1.6) Address pest control in the training program.

6.U.5 Monitoring and Reporting Requirements. (See also Part 5)

TABLE U–1. SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one Sector/Subsector)	Parameter	Benchmark monitoring cut-off concentration[1]	Numeric limitation
Part or Permit Affected/Supplemental Requirements			
Grain Mill Products (SIC 2041–2048)	Total Suspended Solids (TSS).	100 mg/L.	
Fats and Oils Products (SIC 2074–2079)	Biochemical Oxygen Demand (BOD_5).	30 mg/L.	
	Chemical Oxygen Demand (COD).	120 mg/L.	
	Nitrate plus Nitrate Nitrogen.	0.68 mg/L.	
	Total Suspended Solids (TSS).	100 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.V Sector V—Textile Mills, Apparel and Other Fabric Products

6.V.1 Covered Storm Water Discharges

The requirements in Part 6.V apply to storm water discharges associated with industrial activity from Textile Mills, Apparel, and Other Fabric Product Manufacturing as identified by the Activity Code specified under Sector V in Table 1–1 of Part 1.2.1.

6.V.2 Industrial Activities Covered by Sector V

The types of activities that permittees under Sector V are primarily engaged in are:

6.V.2.1 textile mill products, of and regarding facilities and establishments engaged in the preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage, the manufacturing of broadwoven fabrics, narrow woven fabrics, knit fabrics, and carpets and rugs from yarn;

6.V.2.2 processes involved in the dyeing and finishing of fibers, yarn fabrics, and knit apparel;

6.V.2.3 the integrated manufacturing of knit apparel and other finished articles of yarn;

6.V.2.4 the manufacturing of felt goods (wool), lace goods, non-woven fabrics, miscellaneous textiles, and other apparel products.

6.V.3 Limitations on Coverage

6.V.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) Not authorized by this permit: discharges of wastewater (*e.g.,* wastewater resulting from wet processing or from any processes relating to the production process); reused/recycled water; and waters used in cooling towers. If you have these types of discharges from your facility, you must cover them under a separate NPDES permit.

6.V.4 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.V.4.1 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following additional sources and activities that have potential pollutants associated with them: industrial-specific significant materials and industrial activities (*e.g.,* backwinding, beaming, bleaching, backing bonding, carbonizing, carding, cut and sew operations, desizing , drawing, dyeing locking, fulling, knitting, mercerizing, opening, packing, plying, scouring, slashing, spinning, synthetic-felt processing, textile waste processing, tufting, turning, weaving, web forming, winging, yarn spinning, and yarn texturing).

6.V.4.2 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.V.4.2.1 *Material Storage Area.* Plainly label and store all containerized materials (*e.g.,* fuels, petroleum products, solvents, dyes, etc.) in a protected area, away from drains. Describe and implement measures that prevent or minimize contamination of the storm water runoff from such storage areas, including a description of the containment area or enclosure for those materials stored outdoors. Also consider an inventory control plan to prevent excessive purchasing of potentially hazardous substances. For storing empty chemical drums/containers, ensure the drums/containers are clean (consider triple-rinsing) and there is no contact of residuals with precipitation/runoff. Collect and dispose of washwater from these cleanings properly.

6.V.4.2.2 *Material Handling Area.* Describe and implement measures that prevent or minimize contamination of storm water runoff from material handling operations and areas. Consider the following (or their equivalents): use of spill/overflow protection; covering fueling areas; and covering/enclosing areas where the transfer of material may occur. Where applicable address the replacement or repair of leaking connections, valves, transfer lines and pipes that may carry chemicals, dyes or wastewater.

6.V.4.2.3 *Fueling Areas.* Describe and implement measures that prevent or minimize contamination of storm water runoff from fueling areas. Consider the following (or their equivalents): covering the fueling area, using spill and overflow protection, minimizing runon of storm water to the fueling areas, using dry cleanup methods, and treating and/or recycling storm water runoff collected from the fueling area.

6.V.4.2.4 *Above Ground Storage Tank Area.* Describe and implement measures that prevent or minimize contamination of the storm water runoff from above ground storage tank areas, including the associated piping and valves. Consider the following (or their equivalents): regular cleanup of these areas; preparation of the spill prevention control and countermeasure program, provide spill and overflow protection; minimizing runoff of storm water from adjacent areas; restricting access to the area; insertion of filters in adjacent catch basins; providing absorbent booms in unbermed fueling areas; using dry cleanup methods; and permanently sealing drains within critical areas that may discharge to a storm drain.

6.V.4.3 *Inspections.* (See also Part 4.2.7.2.1.5) Inspect, at least on a monthly basis, the following activities and areas (at a minimum): transfer and transmission lines; spill prevention; good housekeeping practices; management of process waste products; all structural and non structural management practices.

6.V.4.4 *Employee Training.* (See also Part 4.2.7.2.1.6) As part of your employee training program, address, at a minimum, the following activities (as applicable): use of reused/recycling waters; solvents management; proper disposal of dyes; proper disposal of petroleum products and spent lubricants; spill prevention and control; fueling procedures; and general good housekeeping practices.

6.V.4.5 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9) Conduct regularly scheduled evaluations at least once a year and address those areas contributing to a storm water discharge associated with industrial activity for evidence of, or the potential for, pollutants entering the drainage system. Inspect, at a minimum, as appropriate: storage tank areas; waste disposal and storage areas; dumpsters and open containers stored outside; materials storage areas; engine maintenance and repair areas; material handing areas and loading dock areas.

6.W Sector W—Furniture and Fixtures

6.W.1 Covered Storm Water Discharges

The requirements in Part 6.W apply to storm water discharges associated with industrial activity from Furniture and Fixtures facilities as identified by the Activity Code specified under Sector W in Table 1–1 of Part 1.2.1.

6.W.2 Industrial Activities Covered by Sector W

The types of activities that permittees under Sector W are primarily engaged in the manufacturing of:

6.W.2.1 wood kitchen cabinets;

6.W.2.2 household furniture;

6.W.2.3 office furniture;

6.W.2.4 public buildings and related furniture;

6.W.2.5 partitions, shelving, lockers, and office and store fixtures;

6.W.2.6 miscellaneous furniture and fixtures.

6.W.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.W.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: material storage (including tanks or other vessels used for liquid or waste storage) areas; outdoor material processing areas; areas where wastes are treated, stored or disposed; access roads; and rail spurs.

6.X Sector X—Printing and Publishing

6.X.1 Covered Storm Water Discharges

The requirements in Part 6.X apply to storm water discharges associated with industrial activity from Printing and Publishing facilities as identified by the Activity Code specified under Sector X in Table 1.1 of Part 1.2.1.

6.X.2 Industrial Activities Covered by Sector X

The types of activities that permittees under Sector X are primarily engaged in are:

6.X.2.1 book printing;

6.X.2.2 commercial printing and lithographics;

6.X.2.3 plate making and related services;

6.X.2.4 commercial printing, gravure;

6.X.2.5 commercial printing not elsewhere classified.

6.X.3 Storm Water Pollution Prevention Plan Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.X.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: above ground storage tanks, drums and barrel permanently stored outside.

6.X.3.2 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following additional sources and activities that have potential pollutants associated with them, as applicable: loading and unloading operations; outdoor storage activities; significant dust or particulate generating processes; and onsite waste disposal practices (*e.g.*, blanket wash). Also identify the pollutant or pollutant parameter (*e.g.*, oil and grease, scrap metal, etc.) associated with each pollutant source.

6.X.3.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.X.3.3.1 *Material Storage Areas.* Plainly label and store all containerized materials (*e.g.*, skids, pallets, solvents, bulk inks, and hazardous waste, empty drums, portable/mobile containers of plant debris, wood crates, steel racks, fuel oil, etc.) in a protected area, away from drains. Describe and implement measures that prevent or minimize contamination of the storm water runoff from such storage areas, including a description of the containment area or enclosure for those materials stored outdoors. Also consider an inventory control plan to prevent excessive purchasing of potentially hazardous substances.

6.X.3.3.2 *Material Handling Area.* Describe and implement measures that prevent or minimize contamination of storm water runoff from material handling operations and areas (*e.g.*, blanket wash, mixing solvents, loading/unloading materials). Consider the following (or their equivalents): use of spill/overflow protection; covering fueling areas; and covering/enclosing areas where the transfer of materials may occur. Where applicable address the replacement or repair of leaking connections, valves, transfer lines and pipes that may carry chemicals or wastewater.

6.X.3.3.3 *Fueling Areas.* Describe and implement measures that prevent or minimize contamination of storm water runoff from fueling areas. Consider the following (or their equivalents): covering the fueling area, using spill and overflow protection, minimizing runoff of storm water to the fueling areas, using dry cleanup methods, and treating and/or recycling storm water runoff collected from the fueling area.

6.X.3.3.4 *Above Ground Storage Tank Area.* Describe and implement measures that prevent or minimize contamination of the storm water runoff from above ground storage tank areas, including the associated piping and valves. Consider the following (or their equivalents): regular cleanup of these areas; preparation of the spill prevention control and countermeasure program, provide spill and overflow protection; minimizing runoff of storm water from adjacent areas; restricting access to the area; insertion of filters in adjacent catch basins; providing absorbent booms in unbermed fueling areas; using dry cleanup methods; and permanently sealing drains within critical areas that may discharge to a storm drain.

6.X.3.4 *Employee Training.* (See also Part 4.2.7.2.1.6) As part of your employee training program, address, at a minimum, the following activities (as applicable): spent solvent management; spill prevention and control; used oil management; fueling procedures; and general good housekeeping practices.

6.Y Sector Y—Rubber, Miscellaneous Plastic Products and Miscellaneous Manufacturing Industries

6.Y.1 Covered Storm Water Discharges

The requirements in Part 6.Y apply to storm water discharges associated with industrial activity from Rubber, Miscellaneous Plastic Products and Miscellaneous Manufacturing Industries facilities as identified by the Activity

Code specified under Sector Y in Table 1–1 of Part 1.2.1.

6.Y.2 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.Y.2.1 *Potential Pollutant Sources.* (See also Part 4.2.4) Review the use of zinc at your facility and the possible pathways through which zinc may be discharged in storm water runoff.

6.Y.2.2 *Controls for Rubber Manufacturers.* (See also Part 4.2.7) Describe and implement specific controls to minimize the discharge of zinc in your storm water discharges. Parts 6.Y.2.2.1 to 6.Y.2.2.5 give possible sources of zinc to be reviewed and list some specific BMPs to be considered for implementation (or their equivalents). Some general BMP options to consider: using chemicals which are purchased in pre-weighed, sealed polyethylene bags; storing materials which are in use in sealable containers; ensuring an airspace between the container and the cover to minimize ''puffing'' losses when the container is opened; and using automatic dispensing and weighing equipment.

6.Y.2.2.1 Inadequate Housekeeping. Review the handling and storage of zinc bags at your facility. BMP options: employee training on the handling/storage of zinc bags; indoor storage of zinc bags; cleanup zinc spills without washing the zinc into the storm drain, and the use of 2,500-pound sacks of zinc rather than 50- to 100-pound sacks;

6.Y.2.2.2 Dumpsters. Reduce discharges of zinc from dumpsters. BMP options: covering the dumpster; moving the dumpster indoors; or provide a lining for the dumpster.

6.Y.2.2.3 Malfunctioning Dust Collectors or Baghouses: Review dust collectors/baghouses as possible sources in zinc in storm water runoff. Replace or repair, as appropriate, improperly operating dust collectors/baghouses.

6.Y.2.2.4 *Grinding Operations.*

Review dust generation from rubber grinding operations and, as appropriate, install a dust collection system.

6.Y.2.2.5 Zinc Stearate Coating Operations. Detail appropriate measures to prevent or clean up drips/spills of zinc stearate slurry that may be released to the storm drain. BMP option: using alternate compounds to zinc stearate.

6.Y.2.3 *Controls for Plastic Products Manufacturers.* Describe and implement specific controls to minimize the discharge of plastic resin pellets in your storm water discharges. BMPs to be considered for implementation (or their equivalents): minimizing spills; cleaning up of spills promptly and thoroughly; sweeping thoroughly; pellet capturing; employee education and disposal precautions.

6.Y.3 Monitoring and Reporting Requirements. (See also Part 5)

TABLE Y–1.—SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS AND BENCHMARK MONITORING

Subsector	Parameter	Benchmark monitoring cut-off concentration	Numeric limitations
Part of Permit Affected/Supplemental Requirements			
Tires and Inner Tubes; Rubber Footwear; Gaskets, Packing and Sealing Devices; Rubber Hose and Belting; and Fabricated Rubber Products, Not Elsewhere Classified (SIC 3011–3069, rubber.	Total Recoverable Zinc	0.117 mg/L	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years.

6.Z Sector Z—Leather Tanning and Finishing

6.Z.1 Covered Storm Water Discharges

The requirements in Part 6.Z apply to storm water discharges associated with industrial activity from Leather Tanning and Finishing facilities as identified by the Activity Code specified under Sector Z in Table 1–1 of Part 1.2.1.

6.Z.2 Industrial Activities Covered by Sector Z

The types of activities that permittees under Sector Z are primarily engaged are leather tanning, curry and finishing;

6.Z.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.Z.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: processing and storage areas of the beamhouse, tanyard, and re-tan wet finishing and dry finishing operations; and haul roads, access roads and rail spurs.

6.Z.3.2 *Potential Pollutant Sources.* (See also Part 4.2.4) At a minimum, describe the following additional sources and activities that have potential pollutants associated with them (as appropriate): temporary or permanent storage of fresh and brine cured hides; extraneous hide substances and hair; leather dust, scraps, trimmings and shavings; chemical drums, bags, containers and above ground tanks; empty chemical containers and bags; spent solvents; floor sweepings/washings; refuse, waste piles and sludge; and significant dust/particulate generating processes (*e.g.,* buffing).

6.Z.3.3 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.Z.3.3.1 *Storage Areas for Raw, Semiprocessed or Finished Tannery Byproducts.* Pallets/bales of raw, semiprocessed or finished tannery byproducts (*e.g.,* splits, trimmings, shavings, etc.) should be stored indoors or protected by polyethylene wrapping, tarpaulins, roofed storage, etc. Consider placing materials on an impermeable surface, and enclosing or putting berms (or equivalent measures) around the area to prevent storm water runon/runoff.

6.Z.3.3.2 *Material Storage Areas.* Label storage containers of all materials (*e.g.,* specific chemicals, hazardous materials, spent solvents, waste materials). Describe and implement measures that prevent/minimize contact with storm water.

6.Z.3.3.3 *Buffing and Shaving Areas.* Describe and implement measures that prevent or minimize contamination of storm water runoff with leather dust from buffing/shaving areas. Consider dust collection enclosures, preventive inspection/maintenance programs or other appropriate preventive measures.

6.Z.3.3.4 *Receiving, Unloading, and Storage Areas.* Describe and implement measures that prevent or minimize contamination of storm water runoff from receiving, unloading, and storage areas. If these areas are exposed, consider (or their equivalent): Covering all hides and chemical supplies; diverting drainage to the process sewer;

or grade berming/curbing area to prevent runoff of storm water.

6.Z.3.3.5 *Outdoor Storage of Contaminated Equipment.* Describe and implement measures that prevent or minimize contact of storm water with contaminated equipment. Consider (or their equivalent): Covering equipment; diverting drainage to the process sewer; and cleaning thoroughly prior to storage.

6.Z.3.3.6 *Waste Management.* Describe and implement measures that prevent or minimize contamination of storm water runoff from waste storage areas. Consider (or their equivalent): Inspection/maintenance programs for leaking containers or spills; covering dumpsters; moving waste management activities indoors; covering waste piles with temporary covering material such as tarpaulins or polyethylene; and minimizing storm water runoff by enclosing the area or building berms around the area.

6.AA Sector AA—Fabricated Metal Products

6.AA.1 Covered Storm Water Discharges

The requirements in Part 6.AA apply to storm water discharges associated with industrial activity from Fabricated Metal Products facilities as identified by the Activity Code specified under Sector AA in Table 1–1 of Part 1.2.1.

6.AA.2 Industrial Activities Covered by Sector AA

The types of activities that permittees under Sector AA are primarily engaged in are:

6.AA.2.1 Fabricated metal products; except for electrical related industries;

6.AA.2.2 Fabricated metal products; except machinery and transportation equipment;

6.AA.2.3 Jewelry, silverware, and plated ware.

6.AA.3 Storm Water Pollution Prevention Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.AA.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: Raw metal storage areas; finished metal storage areas; scrap disposal collection sites; equipment storage areas; retention and detention basins; temporary/permanent diversion dikes or berms; right-of-way or perimeter diversion devices; sediment traps/barriers; processing areas including outside painting areas; wood preparation; recycling; and raw material storage.

6.AA.3.2 *Spills and Leaks.* (See also Part 4.2.5) When listing significant spills/leaks, pay attention to the following materials at a minimum: Chromium, toluene, pickle liquor, sulfuric acid, zinc and other water priority chemicals and hazardous chemicals and wastes.

6.AA.3.3 *Potential Pollutant Sources.* (See also Part 4.2.4) Describe the following additional sources and activities that have potential pollutants associated with them: Loading and unloading operations for paints, chemicals and raw materials; outdoor storage activities for raw materials, paints, empty containers, corn cob, chemicals, and scrap metals; outdoor manufacturing or processing activities such as grinding, cutting, degreasing, buffing, brazing, etc; onsite waste disposal practices for spent solvents, sludge, pickling baths, shavings, ingots pieces, refuse and waste piles.

6.AA.3.4 *Good Housekeeping Measures.* (See also Part 4.2.7.2.1.1)

6.AA.3.4.1 *Raw Steel Handling Storage.* Describe and implement measures controlling or recovering scrap metals, fines and iron dust. Include measures for containing materials within storage handling areas.

6.AA.3.4.2 *Paints and Painting Equipment.* Describe and implement measures to prevent or minimize exposure of paint and painting equipment to storm water.

6.AA.3.5 *Spill Prevention and Response Procedures.* (See also Part 4.2.7.2.1.4) Ensure the necessary equipment to implement a clean up is available to personnel. The following areas should be addressed:

6.AA.3.5.1 *Metal Fabricating Areas.* Describe and implement measures for maintaining clean, dry, orderly conditions in these areas. Consider the use of dry clean-up techniques.

6.AA.3.5.2 *Storage Areas for Raw Metal.* Describe and implement measures to keep these areas free of condition that could cause spills or leakage of materials. Consider the following (or their equivalents): maintaining storage areas such that there is easy access in the event of a spill; and labeling stored materials to aid in identifying spill contents.

6.AA.3.5.3 *Receiving, Unloading, and Storage Areas.* Describe and implement measures to prevent spills and leaks; plan for quick remedial clean up; and instruct employees on clean-up techniques and procedures.

6.AA.3.5.4 *Storage of Equipment.* Describe and implement measures for preparing equipment for storage and the proper storage of equipment. Consider the following (or their equivalents): protecting with covers; storing indoors; and cleaning potential pollutants from equipment to be stored outdoors.

6.AA.3.5.5 *Metal Working Fluid Storage Areas.* Describe and implement measures for storage of metal working fluids.

6.AA.3.5.6 *Cleaners and Rinse Water.* Describe and implement measures: to control/cleanup spills of solvents and other liquid cleaners; control sand buildup and disbursement from sand-blasting operations; and prevent exposure of recyclable wastes. Substitute environmentally-benign cleaners when possible.

6.AA.3.5.7 *Lubricating Oil and Hydraulic Fluid Operations.* Consider using monitoring equipment or other devices to detect and control leaks/overflows. Consider installing perimeter controls such as dikes, curbs, grass filter strips or other equivalent measures.

6.AA.3.5.8 *Chemical Storage Areas.* Describe and implement proper storage methods that prevent storm water contamination and accidental spillage. Include a program to inspect containers and identify proper disposal methods.

6.AA.3.6 *Inspections.* (See also Part 4.2.7.2.1.5) Include, at a minimum, the following areas in all inspections: raw metal storage areas; finished product storage areas; material and chemical storage areas; recycling areas; loading and unloading areas; equipment storage areas; paint areas; vehicle fueling and maintenance areas.

6.AA.3.7 *Comprehensive Site Compliance Evaluation.* (See also Part 4.9.2) As part of your evaluation, also inspect: areas associated with the storage of raw metals; storage of spent solvents and chemicals; outdoor paint areas; and drainage from roof. Potential pollutants include chromium, zinc, lubricating oil, solvents, aluminum, oil and grease, methyl ethyl ketone, steel and other related materials.

6.AA.4 Monitoring and Reporting Requirements

(See also Part 5)

TABLE AA–1.—SECTOR-SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING

Subsector (Discharges may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark, monitoring, cutoff, concentration[1]	Numeric limitation
Part of Permit Affected/Supplemental Requirements			
Fabricated Metal Products Except Coating (SIC 3411–3471, 3482–3499, 3911–3915).	Total Recoverable Aluminum.	0.75 mg/L.	
	Total Recoverable Iron	1.0 mg/L.	
	Total Recoverable Zinc	0.117 mg/L.	
	Nitrate plus Nitrite Nitrogen	0.68 mg/L.	
Fabricated Metal Coating and Engraving (SIC 3479)	Total Recoverable Zinc	0.117 mg/L.	
	Nitrate plus Nitrite Nitrogen	0.68 mg/L.	

[1] Monitor once/quarter for the year 2 and year 4 Monitoring Years

6.AB Sector AB—Transportation Equipment, Industrial or Commercial Machinery

6.AB.1 Covered Storm Water Discharges

The requirements in Part 6.AB apply to storm water discharges associated with industrial activity from Transportation Equipment, Industrial or Commercial Machinery facilities as identified by the Activity Code specified under Sector AB in Table 1–1 of Part 1.2.1.

6.AB.2 Industrial Activities Covered by Sector AB

The types of activities that permittees under Sector AB are primarily engaged in are:

6.AB.2.1 Industrial and Commercial Machinery (except Computer and Office Equipment) (see Sector AC); and

6.AB.2.2 Transportation Equipment (except Ship and Boat Building and Repairing) (see Sector R).

6.AB.3 Storm Water Pollution Plan (SWPPP) Requirements

In addition to the following requirements, you must also comply with the requirements listed in Part 4.

6.AB.3.1 *Drainage Area Site Map.* (See also Part 4.2.2.3) Identify where any of the following may be exposed to precipitation/surface runoff: vents and stacks from metal processing and similar operations.

6.AB.3.2 *Non-Storm Water Discharges.* (See also Part 4.4) If your facility has a separate NPDES permit (or has applied for a permit) authorizing discharges of wastewater, attach a copy of the permit (or the application) to your SWPPP. Any new wastewater permits issued/reissued to you must then replace the old one in your SWPPP. If you discharge wastewater, other than solely domestic wastewater, to a Publicly Owned Treatment Works (POTW), you must notify the POTW of the discharge (identify the types of wastewater discharged, including any storm water). As proof of this notification, attach to your SWPPP a copy of the permit issued to your facility by the POTW or a copy of your notification to the POTW.

6.AC Sector AC—Electronic, Electrical Equipment and Components, Photographic and Optical Goods

6.AC.1 Covered Storm Water Discharges

The requirements in Part 6.AC apply to storm water discharges associated with industrial activity from facilities that manufacture Electronic, Electrical Equipment and Components, Photographic and Optical Goods as identified by the SIC Codes specified in Table 1–1 of Part 1.2.1.

6.AC.2 Industrial Activities Covered by Sector AC

The types of manufacturing activities that permittees under Sector AC are primarily engaged in are:

6.AC.2.1 Measuring, analyzing, and controlling instruments;

6.AC.2.2 Photographic, medical and optical goods;

6.AC.2.3 Watches and clocks; and

6.AC.2.4 Computer and office equipment.

6.AC.3 Additional Requirements

No additional sector-specific requirements apply to this sector.

6.AD Storm Water Discharges Designated by the Director as Requiring Permits

6.AD.1 Covered Storm Water Discharges

Sector AD is used to provide permit coverage for facilities designated by the Director as needing a storm water permit, or any discharges of industrial activity that do not meet the description of an industrial activity covered by Sectors A–AC. Therefore, almost any type of storm water discharge could be covered under this sector. You must be assigned to Sector AD by the Director and may NOT choose sector AD as the sector describing your activities on your own.

6.AD.1.1 *Eligibility for Permit Coverage.* Because this Sector only covers discharges designated by the Director as needing a storm water permit (which is an atypical circumstance) or your facility's industrial activities were inadvertently left out of Sectors A–AC, and your facility may or may not normally be discharging storm water associated with industrial activity, you must obtain the Director's written permission to use this permit prior to submitting a Notice of Intent. If you are authorized to use this permit, you will be required to ensure your discharges meet the basic eligibility provisions of this permit at Part 1.2.

6.AD.2 Storm Water Pollution Prevention Plan (SWPPP) Requirements

The Director will establish any additional Storm Water Pollution Prevention Plan requirements for your facility at the time of accepting your Notice of Intent to be covered by this permit. Additional requirements would be based on the nature of activities at your facility and your storm water discharges.

6.AD.3 Monitoring and Reporting Requirements

The Director will establish any additional monitoring and reporting requirements for your facility at the time of accepting your Notice of Intent to be covered by this permit. Additional requirements would be based on the nature of activities at your facility and your storm water discharges.

7. Reporting

7.1 Reporting Results of Monitoring

Depending on the types of monitoring required for your facility, you may have to submit the results of your monitoring or you may only have to keep the results

with your Storm Water Pollution Prevention Plan. You must follow the reporting requirements and deadlines in Table 7–1 that apply to the types of monitoring that apply to your facility.

If required by the conditions of the permit that apply to your facility, you must submit analytical monitoring results obtained from each outfall associated with industrial activity (or a certification as per 5.3.1) on a Discharge Monitoring Report (DMR) form (one form must be submitted for each storm event sampled). An example of a form is found in the Guidance Manual for the Monitoring and Reporting Requirements of the NPDES Storm Water Multi-Sector General Permit. A copy of the DMR is also available on the Internet at *http://www.epa.gov/owm/sw/permits-and-forms/index.htm.* The signed DMR must be sent to: MSGP DMR (4203), US EPA, 1200 Pennsylvania Avenue NW., Washington, DC 20460.

Note: If EPA notifies dischargers (either directly, by public notice or by making information available on the Internet) of other DMR form options that become available at a later date (*e.g.*, electronic submission of forms), you may take advantage of those options to satisfy the DMR use and submission requirements of Part 7.

TABLE 7–1.—DMR/ALTERNATIVE CERTIFICATION SUBMISSION DEADLINES

Type of monitoring	Reporting deadline (postmark)
Monitoring for Numeric Limitation	Submit results by the 28th day of the month following the monitoring period.
Benchmark Monitoring:	
Monitoring Year 2001–2002	Save and submit all results for year in one package by January 28, 2003.
Monitoring Year 2003–2004	Save and submit all results for year in one package by January 28, 2005.
Biannual Monitoring for Metal Mining Facilities (see Part 6.G).	Save and submit all results for year in one package by January 28 of the year following the monitoring year.
Visual Monitoring	Retain results with SWPPP—do not submit unless requested to do so by Permitting Authority.
State/Tribal/Territory—Specific Monitoring	See Part 13 (conditions for specific States, Indian country, and Territories).

7.2 Additional Reporting for Dischargers to a Large or Medium Municipal Separate Storm Sewer System

If you discharge storm water discharge associated with industrial activity through a large or medium municipal separate storm sewer system (systems serving a population of 100,000 or more), you must also submit signed copies of your discharge monitoring reports to the operator of the municipal separate storm sewer system in accordance with the dates provided in Table 7–1.

7.3 Miscellaneous Reports

You must submit any other reports required by this permit to the Director of the NPDES program at the address of the appropriate Regional Office listed in Part 8.3.

8. Retention of Records

8.1 Documents

In addition to the requirements of Part 9.16.2, you must retain copies of Storm Water Pollution Prevention Plans and all reports and certifications required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit, for a period of at least three years from the date that the facility's coverage under this permit expires or is terminated. This period may be extended by request of the Director at any time.

8.2 Accessibility

You must retain a copy of the Storm Water Pollution Prevention Plan required by this permit (including a copy of the permit language) at the facility (or other local location accessible to the Director, a State, Tribal or Territorial agency with jurisdiction over water quality protection; local government officials; or the operator of a municipal separate storm sewer receiving discharges from the site) from the date of permit coverage to the date of permit coverage ceases. You must make a copy of your Storm Water Pollution Prevention Plan available to the public if requested to do so in writing.

8.3 Addresses

Except for the submittal of NOIs and NOTs (see Parts 2.1 and 11.2, respectively), all written correspondence concerning discharges in any State, Indian country land, Territory, or from any Federal facility covered under this permit and directed to the EPA, including the submittal of individual permit applications, must be sent to the address of the appropriate EPA Regional Office listed below:

8.3.1 Region 1: CT, MA, ME, NH, RI, VT

EPA Region 1, Office of Ecosystem Protection, One Congress Street—CMU, Boston, MA 02114.

8.3.2 Region 2: NJ, NY, PR, VI

United States EPA, Region 2, Caribbean Environmental Protection Division, Environmental Management Branch, Centro Europa Building, 1492 Ponce de Leon Ave., Suite 417, San Juan, PR 00907–4127.

8.3.3 Region 3: DE, DC, MD, PA, VA, WV

EPA Region 3, Water Protection Division (3WP13), Storm Water Coordinator, 1650 Arch Street, Philadelphia, PA 19103.

8.3.4 Region 4: AL, FL, GA, KY, MS, NC, SC, TN

Environmental Protection Agency, Region 4, Clean Water Act Enforcement Section, Water Programs Enforcement Branch, Water Management Division, Atlanta Federal Center, 61 Forsyth Street, SW., Atlanta, GA 30303.

8.3.5 Region 5: IL, IN, MI, MN, OH, WI

(Coverage Not Available Under This Permit.)

8.3.6 Region 6: AR, LA, OK, TX, NM

(Except see Region 9 for Navajo lands, and see Region 8 for Ute Mountain Reservation lands)

United States EPA, Region 6, Storm Water Staff, Enforcement and Compliance Assurance Division (GEN–WC), EPA SW MSGP, P.O. Box 50625, Dallas, TX 75205.

8.3.7 Region 7:

(Coverage Not Available Under This Permit.)

8.3.8 Region 8: CO, MT, ND, SD, WY, UT

(Except see Region 9 for Goshute Reservation and Navajo Reservation lands), the Ute Mountain Reservation in NM, and the Pine Ridge Reservation in NE

United States EPA, Region 8, Ecosystems Protection Program (8EPR–

EP), Storm Water Staff, 999 18th Street, Suite 300, Denver, CO 80202–2466.

8.3.9 Region 9: AZ, CA, HI, NV, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, the Goshute Reservation in UT and NV, the Navajo Reservation in UT, NM, and AZ, the Duck Valley Reservation in ID, Fort McDermitt Reservation in OR

United States EPA, Region 9, Water Management Division, WTR–5, Storm Water Staff, 75 Hawthorne Street, San Francisco, CA 94105.

8.3.10 Region 10: ID, WA, OR

(Except see Region 9 for Fort McDermitt Reservation.)

United States EPA, Region 10, Office of Water OW–130, 1200 6th Avenue, Seattle, WA 98101.

8.4 State, Tribal, and Other Agencies

See Part 13 for addresses of States or Tribes that require submission of information to their agencies.

9. Standard Permit Conditions

9.1 Duty To Comply

9.1.1 You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

9.1.2 *Penalties for Violations of Permit Conditions:* The Director will adjust the civil and administrative penalties listed below in accordance with the Civil Monetary Penalty Inflation Adjustment Rule (**Federal Register:** December 31, 1996, Volume 61, Number 252, pages 69359–69366, as corrected, March 20, 1997, Volume 62, Number 54, pages 13514–13517) as mandated by the Debt Collection Improvement Act of 1996 for inflation on a periodic basis. This rule allows EPA's penalties to keep pace with inflation. The Agency is required to review its penalties at least once every four years thereafter and to adjust them as necessary for inflation according to a specified formula. The civil and administrative penalties listed below were adjusted for inflation starting in 1996.

9.1.2.1 *Criminal Penalties.*

9.1.2.1.1 *Negligent Violations.* The CWA provides that any person who negligently violates permit conditions implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

9.1.2.1.2 *Knowing Violations.* The CWA provides that any person who knowingly violates permit conditions implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $5,000 nor more than $50,000 per day of violation, or by imprisonment for not more than 3 years, or both.

9.1.2.1.3 *Knowing Endangerment.* The CWA provides that any person who knowingly violates permit conditions implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act and who knows at that time that he is placing another person in imminent danger of death or serious bodily injury is subject to a fine of not more than $250,000, or by imprisonment for not more than 15 years, or both.

9.1.2.1.4 *False Statement.* The CWA provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the Act or who knowingly falsifies, tampers with, or renders inaccurate, any monitoring device or method required to be maintained under the Act, shall upon conviction, be punished by a fine of not more than $10,000 or by imprisonment for not more than two years, or by both. If a conviction is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or by both. (See section 309(c)(4) of the Clean Water Act.)

9.1.2.2 *Civil Penalties.* The CWA provides that any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a civil penalty not to exceed $27,500 per day for each violation.

9.1.2.3 *Administrative Penalties.* The CWA provides that any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to an administrative penalty, as follows:

9.1.2.3.1 *Class I Penalty.* Not to exceed $11,000 per violation nor shall the maximum amount exceed $27,500.

9.1.2.3.2 *Class II Penalty.* Not to exceed $11,000 per day for each day during which the violation continues nor shall the maximum amount exceed $137,500.

9.2 Continuation of the Expired General Permit

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedures Act and remain in force and effect. Any permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued permit until the earlier of:

9.2.1 Reissuance or replacement of this permit, at which time you must comply with the Notice of Intent conditions of the new permit to maintain authorization to discharge; or

9.2.2 Your submittal of a Notice of Termination; or

9.2.3 Issuance of an individual permit for your discharges; or

9.2.4 A formal permit decision by the Director not to reissue this general permit, at which time you must seek coverage under an alternative general permit or an individual permit.

9.3 Need To Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

9.4 Duty To Mitigate

You must take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

9.5 Duty To Provide Information

You must furnish to the Director or an authorized representative of the Director any information which is requested to determine compliance with this permit or other information.

9.6 Other Information

If you become aware that you have failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Director, you must promptly submit such facts or information.

9.7 Signatory Requirements

All Notices of Intent, Notices of Termination, Storm Water Pollution Prevention Plans, reports, certifications or information either submitted to the Director or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by you, must be signed as follows:

9.7.1 All notices of intent and notices of termination must be signed as follows:

9.7.1.1 *For a corporation:* By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

9.7.1.2 *For a partnership or sole proprietorship:* By a general partner or the proprietor, respectively; or

9.7.1.3 *For a municipality, State, Federal, or other public agency:* By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: (1) The chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (*e.g.,* Regional Administrators of EPA).

9.7.2 All reports required by this permit and other information must be signed as follows:

9.7.2.1 All reports required by this permit and other information requested by the Director or authorized representative of the Director must be signed by a person described in Part 9.7.1 or by a duly authorized representative of that person.

9.7.2.2 A person is a duly authorized representative only if the authorization is made in writing by a person described Part 9.7.1 and submitted to the Director.

9.7.2.3 The authorization must specify either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

9.7.3 *Changes to Authorization.* If the information on the NOI filed for permit coverage is no longer accurate because a different operator has responsibility for the overall operation of the facility, a new Notice of Intent satisfying the requirements of Part 2 must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative. The change in authorization must be submitted within the time frame specified in Part 2.1, and sent to the address specified in Part 2.4.

9.7.4 *Certification.* Any person signing documents under Part 9.7 must make the following certification:

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

9.8 Penalties for Falsification of Reports

Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than two years, or by both.

9.9 Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve you from any responsibilities, liabilities, or penalties to which you are or may be subject under section 311 of the CWA or section 106 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

9.10 Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

9.11 Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

9.12 Requiring Coverage Under an Individual Permit or an Alternative General Permit

9.12.1 Eligibility for this permit does not confer a vested right to coverage under the permit.

The Director may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Director to take action under this paragraph. Where the Director requires a permittee authorized to discharge under this permit to apply for an individual NPDES permit, the Director will notify you in writing that a permit application is required. This notification will include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for you to file the application, and a statement that on the effective date of issuance or denial of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit will automatically terminate. Applications must be submitted to the appropriate Regional Office indicated in Part 8.3 of this permit. The Director may grant additional time to submit the application upon request of the applicant. If a permittee fails to submit in a timely manner an individual NPDES permit application as required by the Director under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Director for application submittal.

9.12.2 Any permittee authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, you must submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Director at the address for the appropriate Regional

Office indicated in Part 8.3 of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by you are adequate to support the request.

9.12.3 When an individual NPDES permit is issued to a permittee otherwise subject to this permit, or the permittee is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to an owner or operator otherwise subject to this permit, or the owner or operator is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the date of such denial, unless otherwise specified by the Director.

9.12.4 The Director's notification that coverage under an alternative permit is required does not imply that any discharge that did not or does not meet the eligibility requirements of Part 1.2 is or has been covered by this permit.

9.13 State/Tribal Environmental Laws

9.13.1 Nothing in this permit will be construed to preclude the institution of any legal action or relieve you from any responsibilities, liabilities, or penalties established pursuant to any applicable State/Tribal law or regulation under authority preserved by section 510 of the Act.

9.13.2 No condition of this permit releases you from any responsibility or requirements under other environmental statutes or regulations.

9.14 Proper Operation and Maintenance

You must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by you to achieve compliance with the conditions of this permit and with the requirements of Storm Water Pollution Prevention Plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of this permit.

9.15 Inspection and Entry

You must allow the Director or an authorized representative of EPA, the State/Tribe, or, in the case of a facility which discharges through a municipal separate storm sewer, an authorized representative of the municipal owner/operator or the separate storm sewer receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

9.15.1 Enter upon the your premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

9.15.2 Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

9.15.3 Inspect at reasonable times any facilities or equipment (including monitoring and control equipment).

9.16 Monitoring and Records

9.16.1 *Representative Samples/Measurements.* Samples and measurements taken for the purpose of monitoring must be representative of the monitored activity.

9.16.2 *Retention of Records.*

9.16.2.1 You must retain records of all monitoring information, and copies of all monitoring reports required by this permit for at least three (3) years from the date of sample, measurement, evaluation or inspection, or report. This period may be extended by request of the Director at any time. Permittees must submit any such records to the Director upon request.

9.16.2.2 You must retain the Storm Water Pollution Prevention Plan developed in accordance with Part 4 of this permit, including the certification required under Section 2.2.4.3 of this permit, for at least 3 years after the last modification or amendment is made to the plan.

9.16.3 *Records Contents.* Records of monitoring information must include:

9.16.3.1 The date, exact place, and time of sampling or measurements;

9.16.3.2 The initials or name(s) of the individual(s) who performed the sampling or measurements;

9.16.3.3 The date(s) analyses were performed;

9.16.3.4 The time(s) analyses were initiated;

9.16.3.5 The initials or name(s) of the individual(s) who performed the analyses;

9.16.3.6 References and written procedures, when available, for the analytical techniques or methods used; and

9.16.3.7 The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

9.16.4 *Approved Monitoring Methods.* Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

9.17 Permit Actions

This permit may be modified; revoked and reissued; or terminated for cause. Your filing of a request for a permit modification; revocation and reissuance; or your submittal of a notification of planned changes or anticipated non-compliance does not automatically stay any permit condition.

10. Reopener Clause

10.1 Water Quality Protection

If there is evidence indicating that the storm water discharges authorized by this permit cause, have the reasonable potential to cause, or contribute to a violation of a water quality standard, you may be required to obtain an individual permit or an alternative general permit in accordance with Part 3.3 of this permit, or the permit may be modified to include different limitations and/or requirements.

10.2 Procedures for Modification or Revocation

Permit modification or revocation will be conducted according to 40 CFR 122.62, 122.63, 122.64 and 124.5.

11. Transfer or Termination of Coverage

11.1 Transfer of Permit Coverage

Automatic transfers of permit coverage under 40 CFR 122.61(b) are not allowed for this general permit.

11.1.1 Transfer of coverage from one operator to a different operator (*e.g.,* facility sold to a new company): the new owner/operator must complete and file an NOI in accordance with Part 1.3 at least 2 days prior to taking over operational control of the facility. The old owner/operator must file an NOT (Notice of Termination) within thirty (30) days after the new owner/operator has assumed responsibility for the facility.

11.1.2 Simple name changes of the permittee (*e.g.,* Company ''A'' changes name to ''ABC, Inc.'' or Company ''B'' buys out Company ''A'') may be done by filing an amended NOI referencing the facility's assigned permit number and requesting a simple name change.

11.2 Notice of Termination (NOT)

You must submit a completed Notice of Termination (NOT) that is signed in accordance with Part 9.7 when one or more of the conditions contained in Part 1.4 (Terminating Coverage) have been met. The NOT form found in Addendum E will be used unless it has been replaced by a revised version by the Director. The Notice of Termination must include the following information:

11.2.1 The NPDES permit number for the storm water discharge identified by the Notice of Termination;

11.2.2 An indication of whether the storm water discharges associated with industrial activity have been eliminated (*i.e.,* regulated discharges of storm water are being terminated); you are no longer an operator of the facility; or you have obtained coverage under an alternative permit;

11.2.3 The name, address and telephone number of the permittee submitting the Notice of Termination;

11.2.4 The name and the street address (or a description of location if no street address is available) of the facility for which the notification is submitted;

11.2.5 The latitude and longitude of the facility; and

11.2.6 The following certification, signed in accordance with Part 9.7 (signatory requirements) of this permit. For facilities with more than one permittee and/or operator, you need only make this certification for those portions of the facility where the you were authorized under this permit and not for areas where the you were not an operator:

I certify under penalty of law that all storm water discharges associated with industrial activity from the identified facility that authorized by a general permit have been eliminated or that I am no longer the operator of the facility or construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge storm water associated with industrial activity under this general permit, and that discharging pollutants in storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

11.3 Addresses

All Notices of Termination must be submitted using the form provided by the Director (or a photocopy thereof) to the address specified on the NOT form.

11.4 Facilities Eligible for ''No Exposure'' Exemption for Storm Water Permitting

By filing a certification of ''No Exposure'' under 40 CFR 122.26(g), you are automatically removed from permit coverage and a NOT to terminate permit coverage is not required.

12. Definitions

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Commencement of Construction the initial disturbance of soils associated with clearing, grading, or excavating activities or other construction activities.

Control Measure as used in this permit, refers to any Best Management Practice or other method (including effluent limitations) used to prevent or reduce the discharge of pollutants to waters of the United States.

CWA means the Clean Water Act or the Federal Water Pollution Control Act, 33 U.S.C. 1251 *et seq.*

Director means the Regional Administrator of the Environmental Protection Agency or an authorized representative.

Discharge when used without qualification means the ''discharge of a pollutant.''

Discharge of Storm Water Associated with Construction Activity as used in this permit, refers to a discharge of pollutants in storm water runoff from areas where soil disturbing activities (*e.g.,* clearing, grading, or excavation), construction materials or equipment storage or maintenance (*e.g.,* fill piles, borrow areas, concrete truck washout, fueling), or other industrial storm water directly related to the construction process (*e.g.,* concrete or asphalt batch plants) are located. (See 40 CFR 122.26(b)(14)(x) and 40 CFR 122.26(b)(15) for the two regulatory definitions on regulated storm water associated with construction sites).

Discharge of Storm Water Associated with Industrial Activity is defined at 40 CFR 122.26(b)(14).

Facility or Activity means any NPDES ''point source'' or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program.

Flow-Weighted Composite Sample means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge.

Indian country, as defined in 18 USC 1151, means: (a) All land within the limits of any Indian reservation under the jurisdiction of the United States Government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation; (b) all dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a state; and (c) all Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same. This definition includes all land held in trust for an Indian tribe.

Industrial Activity as used in this permit refers to the eleven categories of industrial activities included in the definition of ''discharges of storm water associated with industrial activity''.

Industrial Storm Water as used in this permit refers to storm water runoff associated with the definition of ''discharges of storm water associated with industrial activity''.

Large and Medium Municipal Separate Storm Sewer Systems are defined at 40 CFR 122.26(b)(4) and (7), respectively and means all municipal separate storm sewers that are either:

1. Located in an incorporated place (city) with a population of 100,000 or more as determined by the 1990 Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR 122); or
2. Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR 122); or
3. Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium

municipal separate storm sewer system.

Municipal Separate Storm Sewer is defined at 40 CFR 122.26.

No exposure means that all industrial materials or activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt and/or runoff.

NOI means Notice of Intent to be covered by this permit (see Part 2 of this permit.)

NOT means Notice of Termination (see Part 11.2 of this permit).

Owner or operator means the owner or operator of any ''facility or activity'' subject to regulation under the NPDES program.

Point source means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Pollutant is defined at 40 CFR 122.2. A partial listing from this definition includes: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial or municipal waste.

Runoff coefficient means the fraction of total rainfall that will appear at the conveyance as runoff.

Special Aquatic Sites, as defined at 40 CFR 230.3(q–1), means those sites identified in 40 CFR 230 Subpart E. They are geographic areas, large or small, possessing special ecological characteristics of productivity, habitat, wildlife protection, or other important and easily disrupted ecological values. These areas are generally recognized as significantly influencing or positively contributing to the general overall environmental health or vitality of the entire ecosystem of a region. (See 40 CFR 230.10(a)(3)).

Storm Water means storm water runoff, snow melt runoff, and surface runoff and drainage.

Storm Water Associated with Industrial Activity refers to storm water, that if allowed to discharge, would constitute a ''discharge of storm water associated with industrial activity'' as defined at 40 CFR 122.26(b)(14) and incorporated here by reference.

Waters of the United States means:

1. All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters, including interstate ''wetlands'';
3. All other waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
   a. Which are or could be used by interstate or foreign travelers for recreational or other purposes;
   b. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
   c. Which are used or could be used for industrial purposes by industries in interstate commerce;
4. All impoundments of waters otherwise defined as waters of the United States under this definition;
5. Tributaries of waters identified in paragraphs (1) through (4) of this definition;
6. The territorial sea; and
7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs 1. through 6. of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA (other than cooling ponds for steam electric generation stations per 40 CFR 423) which also meet the criteria of this definition) are not waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

You and *Your* as used in this permit is intended to refer to the permittee, the operator, or the discharger as the context indicates and that party's facility or responsibilities. The use of ''you'' and ''your'' refers to a particular facility and not to all facilities operated by a particular entity. For example, ''you must submit'' means the permittee must submit something for that particular facility. Likewise, ''all your discharges'' would refer only to discharges at that one facility.

13. Permit Conditions Applicable to Specific States, Indian Country Lands, or Territories

The provisions of Part 13 provide modifications or additions to the applicable conditions of Parts 1 through 12 of this permit to reflect specific additional conditions required as part of the State or Tribal CWA Section 401 certification process, or Coastal Zone Management Act certification process, or as otherwise established by the permitting authority. The additional revisions and requirements listed below are set forth in connection with, and only apply to, the following States, Indian country lands and Federal facilities.

13.1 Region 1

13.1.1 *CTR05*##I:* Indian country lands within the State of Connecticut.

13.1.2 *MAR05*###:* Commonwealth of Massachusetts, except Indian country lands.

13.1.2.1 Discharges covered by the general permit must comply with the provisions of 314 CMR 3.00; 314 CMR 4.00; 314 CMR 9.00; and 310 CMR 10.00 and any other related policies adopted under the authority of the Massachusetts Clean Waters Act, M.G.L. c.21, ss. 26–53 and Wetlands Protection Act, M.G.L., s.40. Specifically, new facilities or the redevelopment of existing facilities subject to this permit must comply with applicable storm water performance standards prescribed by state regulation or policy. A permit under 314 CMR 3.04 is not required for existing facilities which meet state storm water performance standards. An application for a permit under 314 CMR 3.00 is required only when required under 314 CMR 3.04(2)(b) (designation of a discharge on a case-by-case basis) or is otherwise identified in 314 CMR 3.00 or Department policy as a discharge requiring a permit application. Department regulations and policies may be obtained through the State House Bookstore or online at *www.magnet.state.ma.us/dep.*

13.1.2.2 The department may request a copy of the Storm Water Pollution Prevention Plan (SWPPP) or conduct an inspection of any facility covered by this permit to ensure compliance with state law requirements, including state water quality standards. The Department may enforce its certification conditions.

13.1.2.3 The results of any quarterly monitoring required by this permit must be sent to the appropriate Regional

Office of the Department where the monitoring identifies violations of effluent limits or benchmarks for any parameter for which monitoring is required under this permit.

13.1.3 *MAR05*##I:* Indian country lands within the Commonwealth of Massachusetts.

13.1.4 *MER05*###:* State of Maine, except Indian country lands.

13.1.5 *MER05*##I:* Indian country lands within the State of Maine.

13.1.6 *NHR05*###:* State of New Hampshire.

13.1.7 *RIR05*##I:* Indian country lands within the State of Rhode Island.

13.1.8 *VTR05*##F:* Federal Facilities in the State of Vermont.

13.2. Region 2

13.2.1 *PRR05*###:* The Commonwealth of Puerto Rico. No additional requirements

13.3 Region 3

13.3.1 *DCR05*###:* The District of Columbia.

13.3.2 *DER05*##F:* Federal Facilities in the State of Delaware.

13.4 Region 4

13.4.1 *ALR05*##I:* Indian country lands within the State of Alabama.

13.4.2 *FLR05*##I:* Indian country lands within the State of Florida.

13.4.3 *MSR05*##I:* Indian country lands within the State of Mississippi.

13.4.4 *NCR05*##I:* Indian country lands within the State of North Carolina.

13.5 Region 5

Permit coverage not available.

13.6 Region 6

13.6.1 *LAR05*##I:* Indian Country lands within the State of Louisiana. No additional requirements.

13.6.2 *NMR05*###:* The State of New Mexico, except Indian Country lands.

13.6.2.1 *Discharges to Water Quality Impaired/Water Quality Limited Waters:* Any operator who intends to obtain authorization under the MSGP for all new and existing storm water discharges to water quality-impaired (303(d)) waters (see *http://www.nmenv.state.nm.us/)* from facilities where there is a reasonable potential to contain pollutants for which the receiving water is impaired must satisfy the following conditions prior to the authorization. Signature of the NOI (which includes certifying eligibility for permit coverage) will be deemed the operator's certification that this eligibility requirement has been satisfied.

13.6.2.1.1 Prior to submitting a Notice of Intent (NOI) for coverage under the MSGP, provide an estimate of pollutant loads in storm water discharges from the facility to the New Mexico Environment Department, Surface Water Quality Bureau (SWQB). This estimate must include the documentation upon which the estimate is based (*e.g.,* sampling data from the facility, sampling data from substantially identical outfalls at similar facilities, modeling, etc.). Existing facilities must base this estimate on actual analytical data, if available.

13.6.2.1.2 Eligibility Requirements for New Discharges.

13.6.2.1.2.1 If a Total Maximum Daily Load (TMDL) has been developed, permit coverage is available only if the operator has received notice from the SWQB confirming eligibility.

Note: Following receipt of the information required under Part 13.6.2.1.1, SWQB anticipates using the following process in making eligibility determinations for new discharges into 303(d) waters where a TMDL has been developed:

- SWQB will notify the facility operator and EPA that the estimated pollutant load is consistent with the TMDL and that the proposed storm water discharges meet the eligibility requirements of Part 1.2.3.8 of the MSGP and may be authorized under this NPDES permit; or
- SWQB will notify the facility operator and EPA that the estimated pollutant load is not consistent with the TMDL and that the proposed storm water discharges do not meet the eligibility requirements of Part 1.2.3.8 of the MSGP and can not be authorized under this NPDES permit.

13.6.2.1.2.2 If a Total Maximum Daily Load (TMDL) has not been developed, permit coverage is not available under this permit for discharges to 303(d) waters and the operator must seek coverage under a separate permit.

Note: Following receipt of the information required under Part 13.6.2.1.1, SWQB anticipates using the following process in making eligibility determinations for new discharges into 303(d) waters where a TMDL has not yet been developed: SWQB will notify the facility operator and EPA that the proposed storm water discharges do not meet the eligibility requirements of Part 1.2.3.8 of the MSGP and can not be authorized under this NPDES permit.

13.6.2.1.3 *Eligibility Requirements for Existing Discharges:*

13.6.2.1.3.1 If a Total Maximum Daily Load (TMDL) has been developed, permit coverage is available only if the operator has received notice from the SWQB confirming eligibility.

Note: Following receipt of the information required under Part 13.6.2.1.1, SWQB anticipates using the following process in making eligibility determinations for existing discharges into 303(d) waters where a TMDL has been developed:

- SWQB will notify the facility operator and EPA that the estimated pollutant load is consistent with the TMDL and that the proposed storm water discharges meet the eligibility requirements of Part 1.2.3.8 of the MSGP and may be authorized under this NPDES permit; or
- SWQB will notify the facility operator and EPA that the estimated pollutant load is not consistent with the TMDL and that the proposed storm water discharges do not meet the eligibility requirements of Part 1.2.3.8 of the MSGP and can not be authorized under this NPDES permit.

13.6.2.1.3.2 If a Total Maximum Daily Load (TMDL) has not been developed at the time of permit authorization, but is later developed during the term of this permit and identifies existing permitted discharges as having a reasonable potential to contain pollutants for which the receiving water is impaired, these discharges shall no longer be authorized by this permit unless, following notification by the SWQP:

- The operator completes revisions to his/her Storm Water Pollution Prevention Plan (SWPPP) to include additional and/or modified Best Management Practices (BMPs) designed to comply with any applicable Waste Load Allocation (WLA) established his/her discharges within 14 calendar days following notification by SWQB; and
- The operator implements the additional and/or modified BMPs before the next anticipated discharge following revision of the SWPPP; and
- A report is submitted to SWQB which documents actions taken to comply with this condition, including estimated pollutant loads, within 30 calendar days following implementation of the additional and/or modified BMPs.

13.6.2.1.4 Additional Monitoring—perform analytical monitoring for each outfall at least annually for any pollutant(s) for which the 303(d) water is impaired where there is a reasonable potential for discharges to contain any or all of these pollutants. Submit monitoring results to SWQB within 45 calendar days following sample collection. These monitoring requirements are not eligible for any waivers listed elsewhere in the permit.

13.6.2.2 Permit Eligibility Regarding Protection of Water Quality Standards and Compliance with State Anti-degradation Requirements: Storm water discharges associated with industrial activity to 303(d) waters as well as all other ''waters of the State'' that SWQB has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard

and/or that do not comply with the applicable anti-degradation provisions of the State's WQS are not authorized by this permit.

Note: Upon receipt of this determination, NMED anticipates that, within a reasonable period of time, EPA will notify the general permittee to apply for and obtain an individual NPDES permit for these discharges per 40 CFR 122.28(b)(3).

13.6.2.3 Signed Copies of discharge monitoring reports, individual permit applications, the data and reports addressed in Part 13.6.2.1, and all other reports required herein, shall be submitted to the appropriate state office address: New Mexico—Program Manager, Point Source Regulation Section, Surface Water Quality Bureau, New Mexico Environment Department, P.O. Box 26110, Santa Fe, New Mexico 87502.

13.6.3. NMR05*##I: Indian Country lands in the State of New Mexico, except Navajo Reservation lands (see Region 9) and Ute Mountain Reservation lands (see Region 8).

13.6.3.1 *Pueblo of Isleta* The following conditions apply only to discharges on the Pueblo of Isleta.

13.6.3.1.1 Copies of ''Certification of Eligibility of Coverage'' under Part 1.2.3.6.3 (Endangered Species) and Part 1.2.3.7 (Historical Properties), and their justifications, must be provided to the Tribe 10 days prior to filing the Notice of Intent (NOI).

13.6.3.1.2 A copy of the Storm Water Pollution Prevention Plan (SWPPP) must be provided to the Tribe 5 days prior to filing the NOI.

13.6.3.1.3 A copy of the NOI must be provided to the Tribe at the same time it is sent to the Environmental Protection Agency.

13.6.3.1.4 A copy of the Notice of Termination (NOT) must be provided to the Tribe at the same time it is sent to the Environmental Protection Agency.

13.6.3.1.5 Any notice of release of hazardous substances (Part 3.1.2) shall also be sent to the Tribe at the same time it is sent to the Environmental Protection Agency. Notification of a release of hazardous substances shall also be made to the Pueblo's Police Department (505–869–3030) or Governor's Office (505–869–3111) or Environment Department (505–869–5748).

13.6.3.1.6 Copies of all ''Routine Inspection Reports: (Part 4.2.7.2.1.5) and ''Comprehensive Inspection Reports'' (Part 4.9) shall be sent to the Tribe within 5 days of completion.

13.6.3.1.7 All analytical data (*e.g.*, Discharge Monitoring Reports, etc.) shall be provided to the Tribe at the same time it is provided to the EPA.

13.6.3.1.8 Exceedance of any EPA-established ''Benchmark Value'' for any pollutant will require quarterly monitoring for that pollutant until such time as analytical results from 4 consecutive quarters are below the ''Benchmark.''

13.6.3.1.9 Any permittee in Sector F shall monitor for all Clean Water Act Section 307(a) priority pollutants used in any of their processes. Monitoring shall be on a quarterly basis.

13.6.3.1.10 Any permittee in Sector M shall monitor for total oil & grease, glycols, and those solvents regulated under Safe Drinking Water Act mandates at 40 CFR 141.61(a) in addition to those parameters identified in Table M–1. Monitoring shall be on a quarterly basis.

13.6.3.1.11 Any permittee in Sector N shall monitor for PCBs in addition to those parameters identified in Table N–1. Monitoring shall be on a quarterly basis.

13.6.3.1.12 All written reports shall be sent to: Director, Environment Department, Pueblo of Isleta, Isleta, NM 87022.

13.6.3.2 *Pueblo of Nambe.* The following conditions apply only to discharges on the Pueblo of Nambe.

No additional requirements.

13.6.3.3 *Pueblo of Picuris.* The following conditions apply only to discharges on the Pueblo of Picuris.

13.6.3.4 *Pueblo of Pojoaque.* The following conditions apply only to discharges on the Pueblo of Pojoaque.

13.6.3.4.1 Notices of Intent (NOI) and notices of Termination (NOT) shall be submitted to the Pueblo of Pojoaque Environment Department at the same time they are submitted to EPA.

13.6.3.4.2 Storm Water Pollution Prevention Plans (SWPPP) shall be submitted to the Pueblo of Pojoaque Environment Department 30 days before commencement of the project.

13.6.3.4.3 If requested by the Pueblo of Pojoaque Environment Department (PPED), the permittee shall provide additional information necessary for a ''case by case'' eligibility determination to assure compliance with Pojoaque Pueblo Water Quality Standards.

Note: Upon receipt of an determination by the Pueblo of Pojoaque that discharges from a facility have the reasonable potential to be causing or contributing to a violation of Pojoaque Pueblo Water Quality Standards, EPA would notify the general permittee to either improve their Storm Water Pollution Prevention Plan to achieve compliance with Pojoaque Pueblo Water Quality Standards or apply for and obtain an individual NPDES permit for these discharges per 40 CFR 122.28(b)(3).

13.6.3.4.4 All written reports shall be sent to: Pueblo of Pojoaque Environment Department, 2 W. Gutierrez, Santa Fe, NM 87501; Phone (505) 455–2087; FAX (505) 455–2177.

13.6.3.5 *Pueblo of San Juan.* The following conditions apply only to discharges on the Pueblo of San Juan.

13.6.3.5.1 Copies of the Notice of Intent (NOI) and Notice of Termination (NOT) shall be provided to the Pueblo five (5) days prior to the time it is provided to the Environmental Protection Agency. A copy of the Storm Water Pollution Prevention Plan shall be provided to the Pueblo five (5) days prior to the time the NOI is submitted to the Environmental Protection Agency.

13.6.3.5.2 All analytical data (*e.g.*, Discharge Monitoring Reports, etc.) shall be provided to the Pueblo at the same time it is provided to the Environmental Protection Agency. Monitoring activities must be coordinated with the Director of the Environment Department to insure consistency with the Pueblo of San Juan Surface Water Quality Monitoring Program.

13.6.3.5.3 Copies of all written reports required under the permit shall be sent to: Director, Environment Department, San Juan Pueblo, P.O. Box 717, San Juan Pueblo, NM 87566. For questions or coordination, you may contact the Director at (505) 852–4212.

13.6.3.6 *Pueblo of Sandia.* The following conditions apply only to discharges on the Pueblo of Sandia.

13.6.3.6.1 Copies of the Notice of Intent (NOI) and Notice of Termination (NOT) shall be provided to the Pueblo at the same time it is provided to the Environmental Protection Agency. A copy of the Storm Water Pollution Prevention Plan must also be provided to the Pueblo at the time the NOI is submitted.

13.6.3.6.2 All analytical data (e.g., Discharge Monitoring Reports, etc) shall be provided to the Pueblo at the same time it is provided to the Environmental Protection Agency.

13.6.3.6.3 All written reports shall be sent to: Director, Environment Department, Pueblo of Sandia, Box 6008, Bernalillo, NM 87004.

13.6.3.7 *Pueblo of Tesuque.* The following conditions apply only to discharges on the Pueblo of Tesuque. No additional requirements.

13.6.3.8 Santa Clara Pueblo. The following conditions apply only to discharges on the Santa Clara Pueblo. No additional requirements.

13.6.3.9 *All Other Indian Country lands in New Mexico.* No additional requirements.

13.6.4. OKR05*##I: Indian Country lands within the State of Oklahoma. No additional requirements.

13.6.5. OKR05*##F: Facilities in the State of Oklahoma not under the jurisdiction of the Oklahoma Department of Environmental Quality, except those on Indian Country lands.

13.6.5.1 Ineligible Discharges to the Oklahoma Scenic Rivers System and Outstanding Resource Waters—New or proposed discharges to the Oklahoma Scenic Rivers System, including the Illinois River, Flint Creek, Barren Fork Creek, Mountain Fork, Little Lee Creek, and Big Lee Creek or to any water designated an ''Outstanding Resource Water'' (ORW) in Oklahoma's Water Quality Standards are not eligible for coverage under the MSGP. Existing discharges of storm water in these watersheds may be permitted under the MSGP only from point sources existing as of June 25, 1992, whether or not such storm water discharges were permitted as point sources prior to June 25, 1992.

13.6.6. TXR05*###: The State of Texas, except Indian Country lands.

13.6.6.1 The following limitations, independently required under the Texas Water Quality Standards (31 TAC 319.22 and 319.23), apply to discharges authorized by the permit:

13.6.6.1.1 *All Discharges to Inland Waters:* The maximum allowable concentrations of each of the hazardous metals, stated in terms of milligrams per liter (mg/l), for discharges to inland waters are as follows:

Total metal	Monthly average	Daily composite	Single grab
Arsenic	0.1	0.2	0.3
Barium	1.0	2.0	4.0
Cadmium	0.05	0.1	0.2
Chromium	0.5	1.0	5.0
Copper	0.5	1.0	2.0
Lead	0.5	1.0	1.5
Manganese	1.0	2.0	3.0
Mercury	0.005	0.005	0.01
Nickel	1.0	2.0	3.0
Selenium	0.05	0.1	0.2
Silver	0.05	0.1	0.2
Zinc	1.0	2.0	6.0

13.6.6.1.2*All Discharges to Tidal Waters:* The maximum allowable concentrations of each of the hazardous metals, stated in terms of milligrams per liter (mg/l), for discharges to tidal waters are as follows:

Total metal	Monthly average	Daily composite	Single grab
Arsenic	0.1	0.2	0.3
Barium	1.0	2.0	4.0
Cadmium	0.1	0.2	0.3
Chromium	0.5	1.0	5.0
Copper	0.5	1.0	2.0
Lead	0.5	1.0	1.5
Manganese	1.0	2.0	3.0
Mercury	0.005	0.005	0.01
Nickel	1.0	2.0	3.0
Selenium	0.10	0.2	0.3
Silver	0.05	0.1	0.2
Zinc	1.0	2.0	6.0

13.6.6.1.3 Definitions:

Inland Waters—all surface waters in the State other than ''tidal waters'' as defined below.

Tidal Waters—those waters of the Gulf of Mexico within the jurisdiction of the State of Texas, bays and estuaries thereto, and those portions of the river systems which are subject to the ebb and flow of the tides, and to the intrusion of marine waters.

13.6.7. TXR05*##I: Indian Country lands within the State of Texas. No additional requirements.

13.7. *Region 7. Permit Coverage Not Available.*

13.8. *Region 8.*

13.8.1. COR05*##F: Federal Facilities in the State of Colorado, except those located on Indian country lands.

13.8.2. COR05*##I: Indian country lands within the State of Colorado, including the portion of the Ute Mountain Reservation located in New Mexico.

13.8.3. MTR05*##I: Reserved

13.8.4. NDR05*##I: Indian country lands within the State of North Dakota, including that portion of the Standing Rock Reservation located in South Dakota except for the Lake Traverse Reservation which is covered under South Dakota permit SDR05*##I listed below.

13.8.5. SDR05*##I: Indian country lands within the State of South Dakota, including the portion of the Pine Ridge Reservation located in Nebraska and the portion of the Lake Traverse Reservation located in North Dakota except for the Standing Rock Reservation which is covered under North Dakota permit NDR05*##I listed above.

13.8.6. UTR05*##I: Indian country lands in the State of Utah, except Goshute and Navajo reservation lands (see Region 9).

13.8.7. WYR05*##I: Indian country lands in the State of Wyoming.

13.9. *Region 9.*

13.9.1. ASR05*###: The Island of American Samoa.

13.9.1.1. Copies of NOIs shall also be submitted to the American Samoa Environmental Protection Agency at the following address concurrently with NOI submittal to EPA: American Samoa Environmental Protection Agency, Executive Office Building, Pago Pago, American Samoa 96799.

13.9.1.2. Updated storm water pollution prevention plans must be

submitted to the American Samoa Environmental Protection Agency at the following address for review and approval as soon as they are completed: American Samoa Environmental Protection Agency, Executive Office Building, Pago Pago, American Samoa 96799.

13.9.2. AZR05*###: The State of Arizona, except Indian country lands.

13.9.2.1. Discharges authorized by this permit shall not cause or contribute to a violation of any applicable water quality standard of the State of Arizona (Arizona Administrative Code, Title 18, Chapter 11).

13.9.2.2. Notices of Intent (NOIs) shall also be submitted to the State of Arizona Department of Environmental Quality at the following address: Storm Water Coordinator, Arizona Department of Environmental Quality, 3033 N. Central Avenue, Phoenix, Arizona 85012. NOIs submitted to the State of Arizona shall include the well registration number if storm water associated with industrial activity is discharged to a dry well or an injection well.

13.9.2.3. Notices of Termination (NOTs) shall also be submitted to the State of Arizona Department of Environmental Quality at the following address: Storm Water Coordinator, Arizona Department of Environmental Quality, 3033 N. Central Avenue, Phoenix, Arizona 85012.

13.9.2.4. For facilities which submit a no exposure certification in accordance with Part 1.5 of the permit, the operator shall submit a copy of the no exposure certification to the State of Arizona Department of Environmental Quality at the following address: Storm Water Coordinator, Arizona Department of Environmental Quality, 3033 N. Central Avenue, Phoenix, Arizona 85012.

13.9.2.5. SARA Section 313 (Community Right to Know) facilities shall have the following requirement: Liquid storage areas for Section 313 water priority chemicals shall be operated to minimize discharges of such chemicals. Appropriate measures to minimize discharges of Section 313 chemicals shall include: provision of secondary containment for at least the entire contents of the largest tank plus sufficient freeboard to allow for the 25-year, 24-hour precipitation event; a strong spill contingency and integrity testing plan, and/or other equivalent measures.

13.9.2.6. Delineation of Facility Areas Within the 100-Year Floodplain. All facilities or any portion of a facility that is located at or within the 100-year floodplain shall be delineated on the site map. The base flood elevation, if known, shall also be reported.

13.9.2.7. Facilities subject to monitoring and reporting requirements shall also submit Discharge Monitoring Report Form(s) (DMR) and other required monitoring information to the State of Arizona Department of Environmental Quality at the following address: Storm Water DMR Coordinator, Arizona Department of Environmental Quality, 3033 N. Central Avenue Phoenix, Arizona 85012.

13.9.2.8. The term ''Significant Sources of Non-Storm Water'' includes, but is not limited to discharges which could cause or contribute to violations of water quality standards of the State of Arizona, and discharges which could include releases of oil or hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (see 40 CFR 110.10 and CFR 117.21) or Section 102 of CERCLA (see CFR 302.4).

13.9.2.9. The term ''Base Flood Elevation'' as defined by Federal Emergency Management Agency (FEMA) is the height of the base (100-year) flood in relation to a specified datum, usually the National Geodetic Vertical Datum of 1929 of North American Vertical Datum of 1988. This is the elevation of the 100-year flood waters relative to ''mean sea level.''

13.9.2.10. The term ''100-year flood'' means the flood having a one percent chance of being equaled or exceeded in magnitude in any given year.

13.9.2.11. The term ''100-year floodplain'' means that area adjoining a river, stream, or watercourse covered by water in the event of a 100-year flood.

13.9.3. AZR05*##I: Indian country lands within the State of Arizona, including Navajo Reservation lands in New Mexico and Utah.

13.9.3.1. White Mountain Apache Tribe. The following condition applies only on the White Mountain Apache Tribe: All NOIs for proposed storm water discharge coverage shall be provided to the following address: Tribal Environmental Planning Office, Attn: Brenda Pusher-Begay, P.O. Box 1000, Whiteriver, AZ 85941.

13.9.4. CAR05*##I: Indian country lands within the State of California No additional requirements.

13.9.5. GUR05*###: The Island of Guam.

13.9.5.1. Facilities ineligible for Multi-Sector General Permit coverage which are required to submit an individual NPDES permit application must send a copy to the following address at the time of submittal to EPA: Guam Environmental Protection Agency, P.O. Box 22439 GMF, Barrigada, Guam 96921.

13.9.5.2. Copies of NOIs shall also be submitted to the following address concurrently with NOI submittal to EPA: Guam Environmental Protection Agency, P.O. Box 22439 GMF, Barrigada, Guam 96921.

13.9.5.3. Permittees required by the Director to submit an individual NPDES permit application or alternative general NPDES permit application must send a copy to the following address at the time of submittal to EPA: Guam Environmental Protection Agency, P.O. Box 22439 GMF, Barrigada, Guam 96921.

13.9.6. JAR05*###: Johnston Atoll. No additional requirements.

13.9.7. MWR05*###: Midway Island and Wake Island. No additional requirements.

13.9.8. NIR05*###: Commonwealth of the Northern Mariana Islands (CNMI)

13.9.8.1. All conditions and requirements set forth in the USEPA final NPDES MSGP must be complied with.

13.9.8.2. A storm water pollution prevention plan (SWPPP) for storm water discharges associated with industrial activity must be approved by the Director of the CNMI DEQ prior to the submission of the NOI to USEPA. The CNMI address for the submittal of the SWPPP for approval is: Commonwealth of the Northern Mariana Islands, Office of the Governor, Director, Division of Environmental Quality (DEQ), P.O. Box 501304 C.K., Saipan, MP 96950–1304.

13.9.8.3. An NOI to be covered by the storm water MSGP for discharges associated with industrial activity must be submitted to CNMI DEQ (use above address) and USEPA, Region 9, in the form prescribed by USEPA, accompanied by a SWPPP approval letter from CNMI DEQ.

13.9.8.4. The NOI must be postmarked seven (7) calendar days prior to any stormwater discharges and a copy must be submitted to the Director of CNMI DEQ (use above address) no later than seven (7) calendar days prior to any stormwater discharges.

13.9.8.5. All monitoring reports required by the MSGP must be submitted to CNMI DEQ (use above address).

13.9.8.6. In accordance with section 10.3(h) and (i) of CNMI water quality standards, CNMI DEQ reserves the right to deny coverage under the MSGP and to require submittal of an application for an individual NPDES permit based on a review of the NOI or other information made available to the Director.

13.9.9. NVR05*##I: Indian country lands within the State of Nevada, including the Duck Valley Reservation in Idaho, the Fort McDermitt Reservation in Oregon and the Goshute Reservation in Utah. No additional requirements.

13.10. *Region 10.*

13.10.1. (The terms and conditions of the 1995 Multi-Sector General Permit are effective for facilities in the State of Alaska through February 9, 2001.)

13.10.2. AKR05*##I: Indian country Lands within the State of Alaska.

13.10.3. IDR05*### The State of Idaho, except Indian country lands.

13.10.4. IDR05*##I: Indian country lands within the State of Idaho, except Duck Valley Reservation lands (see Region 9).

13.10.5. ORR05*##I: Indian country lands in the State of Oregon except Fort McDermitt Reservation lands (see Region 9).

13.10.6. WAR05*##I: Indian country lands within the State of Washington

13.10.6.1 Permittees on Chehalis Reservation lands must also meet the following conditions:

1. The permittee shall be responsible for achieving compliance with Confederated Tribes of Chehalis Reservation's Water Quality Standards, and

2. The permittee shall be responsible for submitting all Storm Water Pollution Prevention Plans to the Chehalis Tribal Department of Natural Resources at the following address for review and approval prior to the beginning of any discharge activities taking place: Confederated Tribes of Chehalis Reservation, Department of Natural Resources, 420 Howanut Road, Oakville, WA 98568.

13.10.6.2 Permittees on Puyallup Reservation lands must also meet the following conditions:

1. The permittee shall be responsible for achieving compliance with Puyallup Tribe's Water Quality Standards;

2. The permittee shall submit a copy of the Notice of Intent to be covered by the general permit to the Puyallup Tribe Environmental Department at the address listed below at the same time it is submitted to U.S. EPA;

3. The permittee shall be responsible for submitting all Storm Water Pollution Prevention Plans to the Puyallup Tribe Environmental Department at the following address for review and approval prior to the beginning of any discharge activities taking place: Puyallup Tribe Environmental Department, 2002 East 28th Street, Tacoma, WA 98404.

13.10.7. WAR05*##F: Federal Facilities in the State of Washington, except those located on Indian country lands.

13.10.7.1 Discharges authorized by this permit shall not cause or contribute to a violation of any applicable water quality standard of the State of Washington. These standards are found at Chapter 173–201A WAC (Water Quality Standards for Surface Waters), Chapter 173–204 WAC (Sediment Management Standards) and the National Toxics Rule for human health standards (57 FR 60848–60923).

13.10.7.2 Any operator of a facility in Sectors A, D, E, F, G, H, J, L, M, N, or U who intends to obtain authorization under the MSGP–2000 for all new and existing storm water discharges must conduct and report benchmark monitoring for turbidity with a cutoff concentration of 50 NTU.

Addendum A—Endangered Species Guidance

I. Assessing Permit Eligibility Regarding Endangered Species

A. Background

To meet its obligations under the Clean Water Act and the Endangered Species Act (ESA) and to promote those Acts' goals, the Environmental Protection Agency (EPA) is seeking to ensure the activities regulated by this Multi-Sector General Permit (MSGP) pose no jeopardy to endangered and threatened species and critical habitat. To ensure that those goals are met, applicants for MSGP coverage are required under Part 1.2.3.6 to assess the impacts of their storm water discharges, allowable non-storm water discharges, and discharge-related activities on Federally listed endangered and threatened species (''listed species'') and designated critical habitat (''critical habitat'') by following the process listed below. EPA strongly recommends that you follow these steps at the earliest possible stage to ensure that measures to protect listed species and critical habitat are incorporated early in your planning process.

You also have an independent ESA obligation to ensure that your activities do not result in any prohibited ''takes'' of listed species.[1] Many of the measures required in the MSGP and in these instructions to protect species may also assist you in ensuring that your activities do not result in a prohibited take of species in violation of section 9 of the ESA. If you have or plan activities in areas that harbor endangered and threatened species, you may wish to ensure that you are protected from potential takings liability under ESA section 9 by obtaining an ESA section 10 permit or, if there is a separate federal action regarding the facility, by requesting formal consultation under ESA section 7 regarding that action. If you are not sure whether to pursue a section 10 permit or a section 7 consultation for takings protection, you should confer with the appropriate Fish and Wildlife Service (FWS) and/or National Marine Fisheries Service (NMFS) (collectively the ''Services'') office.

B. How Does The Basic Eligibility Assessment Process Work?

In order to determine if you are eligible to use the permit, you need to go through a series of steps to determine:

1. Are there any listed endangered or threatened species or critical habitat in proximity to your facility or the point where your discharges reach a receiving water?

2. If there are listed species in proximity, are your discharges or discharge-related activities going to adversely affect them?

3. If adverse effects on listed species or critical habitat are likely, what can you do to eliminate or reduce these effects?

4. Have any adverse effects already been addressed under the Endangered Species Act?

5. Which, if any, of the eligibility criteria make you eligible for permit coverage?

C. What Are the Eligibility Criteria?

The Part 1.2.3.6 eligibility requirement may be satisfied by documenting that one or more of the following criteria has been met:

Criteria A. No Listed Species or Critical Habitat Are in Proximity to Your Facility or the Point Where Authorized Discharges Reach a Water of the United States (See Part 1.2.3.6.3.1)

Using the latest County Species List available from EPA and any other relevant information sources, you have determined that no listed species or critical habitat are in proximity to your facility. Listed species and critical habitat are in proximity to a facility when they are:

- Located in the path or immediate area through which or over which contaminated point source storm water flows from industrial activities to the point of discharge into the receiving water. This may also include areas where storm water from your facility enters groundwater that has a direct hydrological connection to a receiving water (*e.g.,* groundwater infiltrates at your facility and re-emerges to enter a surface waterbody within a short period of time.)
- Located in the immediate vicinity of, or nearby, the point of discharge into receiving waters.
- Located in the area of a facility where storm water BMPs are planned or are to be constructed.

Please be aware that no protection from incidental takings liability is provided under this criteria.

Criteria B. An ESA Section 7 Consultation Has Been Performed for a Separate Federal Action Regarding Your Facility (See Part 1.2.3.6.3.2)

A formal or informal ESA § 7 consultation on a separate federal action (*e.g.,* New Source review under NEPA, application for a dredge

[1] Section 9 of the ESA prohibits any person from ''taking'' a listed species (*e.g.,* harassing or harming it) unless: (1) the taking is authorized through a ''incidental take statement'' as part of undergoing ESA section 7 formal consultation; (2) where an incidental take permit is obtained under ESA section 10 (which requires the development of a habitat conservation plan); or (3) where otherwise authorized or exempted under the ESA. This prohibition applies to all entities including private individuals, businesses, and governments.

and fill permit under CWA § 404, application for an individual NPDES permit, etc.) addressed the effects of your discharges and discharge-related activities on listed species and critical habitat. If your facility was the subject of a formal consultation, it must have resulted in either a ''no jeopardy opinion'' or a ''jeopardy opinion'' and you agree to implement any reasonable and prudent alternatives or other conditions upon which the consultation was based. If your facility was the subject of an informal consultation, it must have resulted in a written concurrence by the Service(s) on a finding that the applicant's activities are not likely to adversely affect listed species or critical habitat (for informal consultation, see 50 CFR 402.13).

Criteria C. An Incidental Taking Permit Under Section 10 of the ESA was Issued for Your Facility (See Part 1.2.3.6.3.3)

You have a permit under section 10 of the ESA and that authorization addresses the effects of your wastewater and storm water discharges and discharge-related activities on listed species and critical habitat. Note: You must follow FWS/NMFS procedures when applying for an ESA section 10 permit (see 50 CFR 17.22(b)(1)).

Criteria D. You Have Determined Adverse Effects Are Not Likely (See Part 1.2.3.6.3.4)

Using best judgment, you have investigated potential effects your discharges and discharges-related activities may have on listed species and critical habitat and have no reason to believe there would be adverse effects. Any terms and/or conditions to protect listed species and critical habitat you relied on in order to determine adverse effects would be unlikely must be incorporated into your Storm Water Pollution Prevention Plan (required by the permit) and implemented in order to maintain permit eligibility.

Please be aware that no protection from incidental takings liability is provided under this criteria.

Criteria E. Your Facility Was Covered Under the Eligibility Certification of Another Operator for the Facility Area (See Part 1.2.3.6.3.5)

Your storm water discharges, allowable non-storm water discharges, and discharge-related activities were already addressed in another operator's certification of eligibility under Part 1.2.3.6.3 which covered your facility. By certifying eligibility under Part 1.2.3.6.3.4, you agree to comply with any measures or controls upon which the other operator's certification under Part 1.2.3.6.3 was based.

Please be aware that in order to meet the permit eligibility requirements by relying on another operator's certification of eligibility, the other operator's certification must apply to the location of your facility and must address the effects from your storm water discharges, allowable non-storm water discharges, and discharge-related activities on listed species and critical habitat. This situation will typically occur where an ownership of a facility covered by this permit changes or when there are multiple operators within an industrial park or an airport. However, before you rely on another operator's certification, you should carefully review that certification along with any supporting information. You also need to confirm that no additional species have been listed or critical habitat designated in the area of your facility since the other operator's endangered species assessment was done. If you do not believe that the other operator's certification provides adequate coverage for your facility, you should provide your own independent endangered species assessment and certification.

Please be aware that no protection from incidental takings liability is provided under this criteria.

D. What Procedures Do I Use To Determine if the Eligibility Criteria Can Be Satisfied?

Caution: Additional endangered and threatened species have been listed and critical habit designated since the 1995 MSGP was issued and will continue to be added after the effective date of this permit. You must verify any earlier determination of eligibility is still valid before relying on that assessment to certify eligibility for this permit. Where applicable, you may incorporate information from your previous endangered species analysis in your documentation of eligibility for this permit.

To determine eligibility, you must assess (or have previously assessed) the potential effects of your storm water discharges, allowable non-storm water discharges and discharge-related activities on listed species and critical habitat. PRIOR to completing and submitting a Notice of Intent (NOI) form, you must follow the steps outlined below and document the results of your eligibility determination.

Step One: Are There Any Endangered Species or Critical Habitat in Your County (or Other Area) and, if so, Are They in Proximity to Your Facility or Discharge Locations?

1–A. *Check for Listed Species* Look in the latest county species list to see if any listed species are found where your facility and discharge point(s) are located. If you are located close to the border of a county or your facility is located in one county and your discharge points are located in another, you must look under both counties. Since species are listed and de-listed periodically, you will need the most current list at the time you are doing your endangered species assessment. EPA's most current county-species list is on the Internet at *http://www.epa.gov/owm/esalst2.htm.*

=>Proceed to 1–B.

1–B. *Check for Critical Habitat* Some (but not all) listed species have designated critical habitat. Exact locations of such habitat is provided in the endangered species regulations at 50 CFR part 17 and part 226. To determine if facility or discharge locations are within designated critical habitat, you should either:

- Review those regulations (which can be found in many larger libraries); or
- Contact the nearest Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) Office. A list of FWS and NMFS offices is found at section II of this Addendum.; or
- Contact the State Natural Heritage centers. These centers compile and disseminate information on Federally listed and other protected species. They frequently have the most current information on listed species and critical habitat. A list of these centers is provided in section III of the Addendum.

=>Proceed to 1–C.

1–C. *Check for Proximity* If there are listed species in your county, are they in proximity to your facility or discharge locations? You will need to use the proximity criteria in Eligibility Criteria A to determine if the listed species are in your part of the county. The area in proximity to be searched/surveyed for listed species will vary with the size of the facility, the nature and quantity of the storm water discharges, and the type of receiving waters. Given the number of facilities potentially covered by the MSGP, no specific method to determine whether species are in proximity is required for permit coverage under the MSGP. Instead, you should use the method or methods which best allow you to determine to the best of your knowledge whether species are in proximity to your particular facility. These methods may include:

- Conducting visual inspections. This method may be particularly suitable for facilities that are smaller in size, facilities located in non-natural settings such as highly urbanized areas or industrial parks where there is little or no nature habitat; and facilities that discharge directly into municipal storm water collection systems. For other facilities, a visual survey of the facility site and storm water drainage areas may be insufficient to determine whether species are likely to be located in proximity to the discharge.
- Contacting the nearest State Wildlife Agency or U.S. Fish and Wildlife Service (FWS) or National Marine Fisheries Service (NMFS) offices. Many endangered and threatened species are found in well-defined areas or habitats. That information is frequently known to state or federal wildlife agencies. FWS has offices in every state. NMFS has regional offices in: Gloucester, Massachusetts; St. Petersburg, Florida; Long Beach, California; Portland, Oregon; and Juneau, Alaska.
- Contacting local/regional conservation groups. These groups inventory species and their locations and maintain lists of sightings and habitats.
- Conducting a formal biological survey. Larger facilities with extensive storm water discharges may choose to conduct biological surveys as the most effective way to assess whether species are located in proximity and whether there are likely adverse effects.

If neither your facility nor discharge locations are located in designated critical habitat, then you need not consider impacts to critical habitat when following Steps Two through Five below. If your facility or discharge locations are located within critical habitat, then you must look at impacts to critical habitat when following Steps Two through Five. EPA notes that many measures imposed to protect listed species under these

steps will also protect critical habitat. However, obligations to protect habitat under this permit are separate from those to protect listed species. Thus, meeting the eligibility requirements of this permit may require measures to protect critical habitat that are separate from those to protect listed species.

=> Proceed to 1–D

1–D. *Check for Criteria ''A'' Eligibility* IF NO SPECIES WERE LISTED FOR YOUR COUNTY OR THE SPECIES THAT WERE LISTED WERE NOT IN PROXIMITY TO YOUR DISCHARGE *AND* YOUR FACILITY AND DISCHARGE LOCATIONS WERE NOT IN PROXIMITY TO CRITICAL HABITAT, YOU ARE ELIGIBLE UNDER CRITERIA ''A''. Document your endangered species assessment and certify eligibility under Part 1.2.3.6.3.1 of the permit. Congratulations, go to Step Five!

=> If there were listed species or critical habitat, proceed to Step Two

Step Two: Can You Meet Eligibility Criteria ''B'', ''C'', or ''E''?

2–A *Check for Criteria ''B'', ''C'', or ''E'' Basis* Do one of the following apply:

- There was a completed consultation under ESA § 7 for your facility (Criteria B) => proceed to 2–B
- There is a previously issued ESA § 10 permit for your facility (Criteria C) => proceed to 2–C
- Another operator previously certified eligibility for the area where your facility is located (Criteria E) => proceed to 2–D

=> If no, proceed to Step Three

2–B *Check for Criteria ''B'' Eligibility* Did the previously completed ESA § 7 consultation consider all currently listed species and critical habitat and address your storm water, allowable non-storm water, and discharge related activities?

=> If no, proceed to Step Three

2-B–1 Did the ESA § 7 consultation result in either a ''no jeopardy'' opinion by the Service (for formal consultations) or a concurrence by the service that your activities would be ''unlikely to adversely affect'' listed species or critical habitat?

=> If no, proceed to Step Three

2–B–2 IF YOU AGREE TO IMPLEMENT ANY MEASURES UPON WHICH THE CONSULTATION WAS CONDITIONED, YOU ARE ELIGIBLE UNDER CRITERIA ''B''. Incorporate any necessary measures into your Storm Water Pollution Prevention Plan, document your endangered species assessment, and certify eligibility under Part 1.2.3.6.3.2. Congratulations, go to Step Five!

=> If you do not agree to implement conditions upon which the consultation was based, proceed to Step Three

2–C *Check for Criteria ''C'' Eligibility* IF YOUR ESA § 10 PERMIT CONSIDERED ALL CURRENTLY LISTED SPECIES AND CRITICAL HABITAT AND ADDRESSES YOUR STORM WATER, ALLOWABLE NON-STORM WATER, AND DISCHARGE RELATED ACTIVITIES, YOU ARE ELIGIBLE UNDER CRITERIA ''C''. Incorporate any necessary measures into your Storm Water Pollution Prevention Plan, document your endangered species assessment, and certify eligibility under Part 1.2.3.6.3.3 of the permit. Congratulations, go to Step Five!

=> If your ESA § 10 permit did not meet these criteria, proceed to Step Three

2–D Check for Criteria ''E'' Eligibility Did the other operator's certification of eligibility consider all currently listed species and critical habitat and address your storm water, allowable non-storm water, and discharge related activities?

=> If no, proceed to Step Three

2–D–1 IF YOU AGREE TO IMPLEMENT ANY MEASURES UPON WHICH THE OTHER OPERATOR'S CERTIFICATION WAS BASED, YOU ARE ELIGIBLE UNDER CRITERIA ''E''. Incorporate any necessary measures into your Storm Water Pollution Prevention Plan, document your endangered species assessment, and certify eligibility under Part 1.2.3.6.3.5 of the Permit. Congratulations, go to Step Five!

=> If you do not agree to implement conditions upon which another operator's certification was based, proceed to Step Three

Step Three: Are Listed Species or Critical Habitat Likely To Be Adversely Affected by Your Facility's Storm Water Discharges, Allowable Non-storm Water Discharges, or Discharge-related Activities?

If you are unable to certify eligibility under Criteria A, B, C, or E, you must assess whether your storm water discharges, allowable non-storm water discharges, and discharge-related activities are likely to pose jeopardy to listed species or critical habitat. ''Storm water discharge-related activities'' include:

Activities which cause, contribute to, or result in point source storm water pollutant discharges; and

Measures to control storm water discharges and allowable non-storm water discharges including the siting, construction, operation of best management practices (BMPs) to control, reduce or prevent water pollution.

Effects from storm water discharges, allowable non-storm water discharges, and discharge-related activities which could pose jeopardy include:

Hydrological. Wastewater or storm water discharges may cause siltation, sedimentation or induce other changes in receiving waters such as temperature, salinity or pH. These effects will vary with the amount of wastewater or storm water discharged and the volume and condition of the receiving water. Where a discharge constitutes a minute portion of the total volume of the receiving water, adverse hydrological effects are less likely.

Habitat. Excavation, site development, grading, and other surface disturbance activities, including the installation or placement of wastewater or storm water ponds or BMPs, may adversely affect listed species or their habitat. Wastewater or storm water associated with facility operation may drain or inundate listed species habitat.

Toxicity. In some cases, pollutants in wastewater or storm water may have toxic effects on listed species.

The scope of effects to consider will vary with each facility. If you are having difficulty in determining whether your facility is likely to pose jeopardy to a listed specie or critical habitat, then the appropriate office of the FWS, NMFS, or Natural Heritage Center listed in Sections II and III of this Addendum should be contacted for assistance.

Document the results of your assessment and make a preliminary determination on whether or not there would likely be any jeopardy to listed species or critical habitat. You will need to determine that your activities are either ''unlikely to adversely affect'' or ''may adversely affect''. Your determination may be based on measures that you implement to avoid, eliminate, or minimize adverse affects.

=> Proceed to Step Four

Step Four: Can You Meet Eligibility Criteria ''D''?

Using best judgment, can you determine your facility's storm water discharges, allowable non-storm water discharges, and discharge-related activities are unlikely to pose jeopardy to listed species or critical habitat?

4–A IF STEP THREE DETERMINATION IS ''UNLIKELY TO ADVERSELY AFFECT'', YOU ARE ELIGIBLE UNDER CRITERIA ''D''. Incorporate appropriate measures upon which your eligibility was based into your Storm Water Pollution Prevention Plan and certify eligibility under Part 1.2.3.6.3.4 of the permit. Congratulations, go to Step Five.

=> If there may be adverse effects, proceed to Step 4–B

4–B *Step Three (or Step 4–A–1) Determination is ''May Adversely Affect''* You must contact the Service(s) to discuss your findings and measures you could implement to avoid, eliminate, or minimize adverse affects.

4–B–1 IF YOU AND THE SERVICE(S) REACH AGREEMENT ON MEASURES TO AVOID ADVERSE EFFECTS, YOU ARE ELIGIBLE UNDER CRITERIA ''D''. Incorporate appropriate measures upon which your eligibility was based into your Storm Water Pollution Prevention Plan and certify eligibility under Part 1.2.3.6.3.4 of the permit. Congratulations, go to Step Five.

4–C *Endangered Species Issues Cannot be Resolved* If you cannot reach agreement with the Service(s) on measures to avoid, eliminate, or reduce adverse effects to an acceptable level; and if any likely adverse effects cannot otherwise be addressed through meeting the other criteria of Part 1.2.3.6; then you are not eligible for coverage under the MSGP at this time and must seek coverage under an individual permit. Proceed to 40 CFR 122.26(c) for individual permit application requirements.

Step Five: Submit Notice of Intent and Document Results of the Eligibility Determination

Once all other Part 1.2 eligibility requirements have been met, you may submit the Notice of Intent (NOI). Signature and submittal of the NOI is also deemed to constitute your certification, under penalty of law, of your eligibility for permit coverage.

You must include documentation of Part 1.2.3.6 eligibility in the pollution prevention plan required for the facility. Documentation required for the various eligibility criteria are as follows:

Criteria A—A copy of the County-Species List pages with the county(ies) where your facility and discharges are located and a statement on how you determined that no listed species or critical habitat was in proximity to your discharge.

Criteria B—A copy of the Service(s)'s Biological Opinion or concurrence on a finding of ''unlikely to adversely effect'' regarding the ESA § 7 consultation.

Criteria C—A copy of the Service(s)'s letter transmitting the ESA § 10 authorization.

Criteria D—Documentation on how you determined adverse effects on listed species and critical habitat were unlikely.

Criteria E—A copy of the documents originally used by the other operator of your facility (or area including your facility) to satisfy the documentation requirement of Criteria A, B, C or D.

E. Duty To Implement Terms and Conditions Upon Which Eligibility Was Determined

You must comply with any terms and conditions imposed under the eligibility requirements of Part 1.2.3.6.3 to ensure that your storm water discharges, allowable non-storm water discharges, and discharge-related activities do not pose jeopardy to listed species and/or critical habitat. You must incorporate such terms and conditions in your facility's Storm Water Pollution Prevention Plan as required by the permit. If the eligibility requirements of Part 1.2.3.6 cannot be met, then you may not receive coverage under this permit. You should then consider applying to the permitting authority for an individual permit.

II. U.S. Fish and Wildlife Service Offices

National Website For Endangered Species Information. Endangered Species Home page: http://www.fws.gov/r9endspp/endspp.html

Regional, State, Field and Project Offices

USFWS, Region One—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD Ecological Services, 911 NE 11 Avenue, Portland, OR 97232–4181, (503) 231–6121

State, Field, and Project Offices (Region One)

Field Supervisor, U.S. Fish and Wildlife Service, P.O. Box 50088, 300 Ala Moana Blvd., Rm 3108, Honolulu, HI 96850

Field Supervisor, U.S. Fish and Wildlife Service, Upper Columbia R. Basin F&W Office, 11103 East Montgomery Drive, Ste 2, Spokane, WA 99306

State Supervisor, U.S. Fish and Wildlife Service, Oregon Fish and Wildlife Office, 2600 S.E 98th Avenue Suite 100, Portland, OR 97266

Field Supervisor, U.S. Fish and Wildlife Service, Snake River Basin F&W Office, 1387 South Vinnell Way, Room 368, Boise, Idaho 83709

State Supervisor, U.S. Fish and Wildlife Service, Nevada State Office, 4600 Kietzke Lane, Building C, Rm. 125, Reno, NV 89502–5093

State Supervisor, U.S. Fish and Wildlife Service, Western Washington F&W Office, 510 Desmond Dr., Suite 102, Lacey, WA 98503–1273

Field Supervisor, U.S. Fish and Wildlife Service, Klamath Falls F&W Office, 6600 Washburn Way, Klamath Falls, OR 97603

Field Supervisor, U.S. Fish and Wildlife Service, Klamath River F&W Office, 1215 South Main, Suite 212, Yreka, CA 96097–1006

Field Supervisor, U.S. Fish and Wildlife Service, Carlsbad Fish and Wildlife Office, 2730 Loker Avenue West, Carlsbad, CA 92008

Field Supervisor, U.S. Fish and Wildlife Service, Ventura Field Office, 2493 Portola Road, Suite B, Ventura, CA 93003

Project Leader, U.S. Fish and Wildlife Service, Coastal California Fish and Wildlife Office, 1125 16th St., Rm. 209, Arcata, CA 95521–5582

Project Leader, U.S. Fish and Wildlife Service, Northern Central Valley F&W Office, 10959 Tyler Road, Red Bluff, CA 96080

State Supervisor, U.S. Fish and Wildlife Service, California State Office, 3310 El Camino Avenue, Suite 120, Sacramento, CA 95821–6340

Field Supervisor, U.S. Fish and Wildlife Service, Sacramento Fish & Wildlife Office, 3310 El Camino Avenue, Suite 120, Sacramento, CA 95821–6340

USFWS Region Two—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD Ecological Services, P.O. Box 1306, Albuquerque, NM 87103

State, Field, and Project Offices (Region Two)

Field Supervisor, U.S. Fish and Wildlife Service, Corpus Christi Field Office, 6300 Ocean Dr., Campus Box 338, Corpus Christi, TX 78412

Field Supervisor, U.S. Fish and Wildlife Service, Arlington Field Office, 711 Stadium Dr., East, Suite 252, Arlington, TX 76011

Field Supervisor, U.S. Fish and Wildlife Service, Clear Lake Field Office, 17629 El Camino Real, Suite 211, Houston, TX 77058

Field Supervisor, U.S. Fish and Wildlife Service, Oklahoma Field Office, 222 S. Houston, Suite a, Tulsa, OK 74127

Field Supervisor, U.S. Fish and Wildlife Service, New Mexico Field Office, 2105 Osuna, NE, Albuquerque, NM 87113

Field Supervisor, U.S. Fish and Wildlife Service, Austin Ecological Serv. Field Office, 10711 Burnet Road, Suite 200, Austin, TX 78758

Field Supervisor, U.S. Fish and Wildlife Service, Arizona State Office, 2321 W. Royal Palm Road, Suite 103, Phoenix, AZ 85021–4951

USFWS Region Three—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD Ecological Services, BHW Federal Bldg, 1 Federal Drive, Fort Snelling, MN 55111–4056

State, Field, and Project Offices (Region Three)

Field Supervisor, U.S. Fish and Wildlife Service, Chicago, Illinois Field Office, 1000 Hart Rd., Suite 180, Barrington, IL 60010

Field Supervisor, U.S. Fish and Wildlife Service, East Lansing Field Office, 2651 Coolidge Road, East Lansing, MI 48823

Field Supervisor, U.S. Fish and Wildlife Service, Reynoldsburg Field Office, 6950 Americana Parkway, Suite H, Reynoldsburg, OH 43068–4132

Field Supervisor, U.S. Fish and Wildlife Service, Bloomington Field Office, 620 South Walker Street, Bloomington, IN 47403–2121

Field Supervisor, U.S. Fish and Wildlife Service, Twin Cities E.S. Field Office, 4101 East 80th Street, Bloomington, MN 55425–1665

Field Supervisor, U.S. Fish and Wildlife Service, Columbia Field Office, 608 East Cherry Street, Room 200, Columbia, MO 65201–7712

Field Supervisor, U.S. Fish and Wildlife Service, Green Bay Field Office, 1015 Challenger Court, Green Bay, WI 54311–8331

Field Supervisor, U.S. Fish and Wildlife Service, Rock Island Field Office, 4469 48th Avenue Court, Rock Island, IL 61201

Field Supervisor, U.S. Fish and Wildlife Service, Marion Suboffice, Route 3, Box 328, Marion, IL 62959–4565

USFWS Region Four—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD—Ecological Services, 1875 Century Blvd., Suite 200, Atlanta, GA 30345

State, Field, and Project Offices (Region Four)

Field Supervisor, U.S. Fish and Wildlife Service, Panama City Field Office, 1612 June Avenue, Panama City, FL 32405–3721

Field Supervisor, U.S. Fish and Wildlife Service, South Florida Ecosystem Field Office, 1360 U.S. Hwy 1, #5; P.O. Box 2676, Vero Beach, FL 32961–2676

Field Supervisor, U.S. Fish and Wildlife Service, Caribbean Field Office, P.O. Box 491, Boqueron, PR 00622

Field Supervisor, U.S. Fish and Wildlife Service, Puerto Rican Parrot Field Office, P.O. Box 1600, Rio Grande, PR 00745

Field Supervisor, U.S. Fish and Wildlife Service, Brunswick Field Office, 4270 Norwich Street, Brunswick, GA 31520–2523

Field Supervisor, U.S. Fish and Wildlife Service, Jacksonville Field Office, 6620 Southpoint Drive S., Suite 310, Jacksonville, FL 32216–0912

Field Supervisor, U.S. Fish and Wildlife Service, Charleston Field Office, 217 Ft. Johnson Road, P.O. Box 12559, Charleston, SC 29422–2559

Field Supervisor, U.S. Fish and Wildlife Service, Clemson F.O., Dept. of Forest Resources, 261 Lehotsky Hall, Box 341003, Clemson, SC 29634–1003

Field Supervisor, U.S. Fish and Wildlife Service, Raleigh Field Office, P.O. Box 33726, Raleigh, NC 27636–3726

Field Supervisor, U.S. Fish and Wildlife Service, Cookeville Field Office, 446 Neal Street, Cookeville, TN 38501

Field Supervisor, U.S. Fish and Wildlife Service, Asheville Field Office, 160 Zillicoa Street, Asheville, NC 28801
Field Supervisor, U.S. Fish and Wildlife Service, Daphne Field Office, P.O. Drawer 1190, Daphne, AL 36526
Field Supervisor, U.S. Fish and Wildlife Service, Vicksburg Field Office, 2524 S. Frontage Road, Suite B, Vicksburg, MS 39180–5269
Field Supervisor, U.S. Fish and Wildlife Svc., Lafayette Field Office, Brandywine II, Suite 102, 825 Kaliste Saloom Road, Lafayette, LA 70508
Field Supervisor, U.S. Fish and Wildlife Service, Jackson Field Office, 6578 Dogwood View Pkwy Suite A, Jackson, MS 39213

Region Five—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD Ecological Services, 300 Westgate Center Drive, Hadley, MA 01035–9589

State, Field and Project Offices (Region Five)

Project Leader, U.S. Fish and Wildlife Service, Delaware Bay Estuary Project, 2610 Whitehall Neck Road, Smyrna, DE 19977
Project Leader, U.S. Fish and Wildlife Service, Southern New England/NYBCE Program, Shoreline Plaza, Route 1A, P.O. Box 307, Charlestown, RI 02813
Project Leader, U.S. Fish and Wildlife Service, Gulf of Maine Project, 4 R Fundy Road, Falmouth, ME 04105
Project Leader U.S. Fish and Wildlife Service, Chesapeake Bay Field, Office, 177 Admiral Cochrane Drive, Annapolis, Maryland 21401
Project Leader, U.S. Fish and Wildlife Service, Virginia Field Office, P.O. Box 99, 6669 Short Lane, Gloucester, VA 23061
Project Leader, U.S. Fish and Wildlife Service, Southwestern Virginia Field Office, P.O. Box 2345, Abingdon, VA 24212
Project Leader, U.S. Fish and Wildlife Service, New England Field Office, 22 Bridge St., Unit #1, Concord, New Hampshire 03301–4986
Project Leader, U.S. Fish and Wildlife Service, Maine Field Office, 1033 South Main St., Old Town, Maine 04468
Project Leader, U.S. Fish and Wildlife Service, Rhode Island Field Office, Shoreline Plaza, Route 1A; P.O. Box 307, Charlestown, Rhode Island 02813
Project Leader, U.S. Fish and Wildlife Service, Vermont Field Office, 11 Lincoln Street, Winston Prouty Federal Building, Essex Junction, VT 05452
Project Leader, U.S. Fish and Wildlife Service, New Jersey Field Office, 927 North Main St., Bldg. D1, Pleasantville, New Jersey 08232
Project Leader, U.S. Fish and Wildlife Service, New York Field Office, 3817 Luker Road, Cortland, New York 13045
Project Leader, U.S. Fish and Wildlife Service, Long Island Field Office, P.O. Box 608, Islip, New York 11751–0608
Project Leader, U.S. Fish and Wildlife Service, Pennsylvania Field Office, 315 S. Allen St., Suite 322, State College, Pennsylvania 16801
Project Leader, U.S. Fish and Wildlife Service, Eastern Pennsylvania Field Office, 11 Hap Arnold Boulevard, Box H, Tobyhanna, Pennsylvania 18466–0080
Project Leader, U.S. Fish and Wildlife Service, West Virginia Field Office, Route 250, S.—Elkins Shopping Plaza, Elkins, West Virginia 26241

Region Six—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD-Ecological Services, P.O. Box 25486, DFC, Denver, CO 80225

State, Field, and Project Offices (Region Six)

Field Supervisor, U.S. Fish and Wildlife Service, Montana Field Office, 100 N. Park, Suite 320, Helena, MT 59601
Sub-Office Supervisor, U.S. Fish and Wildlife Service, Billings Sub-Office, 2900 4th Ave. North-Rm 301, Billings, MT 59101
Sub-Office Supervisor, U.S. Fish and Wildlife Service, Kalispell Sub-Office, 780 Creston Hatchery Road, Kalispell, MT 59901
Grizzly Bear Recovery Coordinator, U.S. Fish and Wildlife Service, Forestry Sciences Lab, University of Montana, Missoula, MT 59812
Field Supervisor, U.S. Fish and Wildlife Service, North Dakota Field Office, 1500 Capitol Avenue, Bismarck, ND 58501
Field Supervisor, U.S. Fish and Wildlife Service, Nebraska Field Office, 203 W. 2nd Street; Federal Bldg., 2nd Floor, Grand Island, NE 68801
Field Supervisor, U.S. Fish and Wildlife Service, Kansas Field Office, 315 Houston, Suite E, Manhattan, KS 66502
Field Supervisor, U.S. Fish and Wildlife Service, South Dakota Field Office, 420 S. Garfield Ave., Suite 400, Pierre, SD 57501–5408
Field Supervisor, U.S. Fish and Wildlife Service, Salt Lake City Field Office, Lincoln Plaza, 145 East 1300 South—Suite 404, Salt Lake City, UT 84115
Field Supervisor, U.S. Fish and Wildlife Service, Colorado Field Office, 730 Simms, Suite 290, Golden, CO 80401–4798
Field Supervisor, U.S. Fish and Wildlife Service, Western Colorado Field Office, 764 Horizon Drive South, Annex A, Grand Junction, CO 81506–3946
Field Supervisor, U.S. Fish and Wildlife Service, Wyoming Field Office, 4000 Morrie Avenue, Cheyenne, WY 82001
E.S. Coordinator, U.S. Fish and Wildlife Service, Rocky Mountain Arsenal, National Wildlife Area, Building 111, Commerce City, CO 80022–1748
Colorado River Recovery Coordinator, U.S. Fish and Wildlife Service, P.O. Box 25486, DFC, Denver, CO 80225
U.S. Fish and Wildlife Service, Laramie Black Footed Ferret Office, 410 Grand Ave., Suite 315, Laramie, WY 80270

Region Seven—Regional Office

Division Chief, Endangered Species, U.S. Fish and Wildlife Service, ARD Ecological Services, 1011 E. Tudor Road, Anchorage, AK 99503

State, Field, and Project Offices (Region Seven)

Field Supervisor, U.S. Fish and Wildlife Service, Ecological Services, 605 West 4th Avenue, Room G–62, Anchorage, AK 99501
Field Supervisor, U.S. Fish and Wildlife Service, Ecological Services, 101 12th Avenue, Box 19 (Room 232), Fairbanks, AK 99701
Field Supervisor, U.S. Fish and Wildlife Service, Ketchikan Sub-office, 103 Main Street, P.O. Box 3193, Ketchikan, AK 99901
Field Supervisor, U.S. Fish and Wildlife Service, Ecological Services, 300 Vintage Blvd., Suite 201, Juneau, AK 99801
Region Eight—Has not yet been created out of the other FWS Regions at the time of this posting.

Region Nine

Janet Ady—Outreach, U.S. Fish and Wildlife Service, National Conservation Training Center, Route 3, Box 49, Kearneysville, WV 25430
Dan Benfield—Training, U.S. Fish and Wildlife Service, National Conservation Training Center, Route 3, Box 49, Kearneysville, WV 25430

III. National Marine Fisheries Service Offices

The National Marine Fisheries Service is developing a database to provide county and territorial water (up to three miles offshore) information on the presence of endangered and threatened species and critical habitat. The database should be found at the ''Office of Protected Resources'' site on the NMFS Homepage at http://www.nmfs.gov.

Regional and Field Offices—Northeast Region

Protected Resources Program, National Marine Fisheries Service, Northeast Region, One Blackburn Drive, Gloucester, Massachusetts 01930
Milford Field Office, National Marine Fisheries Service, 212 Rogers Avenue, Milford, Connecticut 06460
Oxford Field Office, National Marine Fisheries Service, 904 So. Morris Street, Oxford, Maryland 21654
Sandy Hook Field Office, James J. Howard Marine Sciences Laboratory, National Marine Fisheries Service, 74 Magruder Road, Highlands, New Jersey 07732
Protected Species Branch, National Marine Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, Massachusetts 02543

Southeast Region

Protective Species Management Branch, National Marine Fisheries Service, Southeast Region, 9721 Executive Center Drive, St. Petersburg, Florida 33702–2432

Northwest Region

Protected Species Division, National Marine Fisheries Service, Northwest Region, 525 NE Oregon, Suite 500, Portland, Oregon 97232–2737
Boise Field Office, National Marine Fisheries Service, 1387 S. Vinnel Way, Suite 377, Boise, Idaho 83709
Olympia Field Office, National Marine Fisheries Service, 510 Desmond Drive, SE, Suite 103, Lacey, Washington 98503

Roseburg Field Office, National Marine Fisheries Service, 2900 Stewart Parkway NW, Roseburg, Oregon 97470

Rufus Field Office, National Marine Fisheries Service, P.O. Box 67, 704 ''E'' 1st, Rufus, Oregon 97050

Southwest Region

Protected Species Management Division, Southwest Region, National Marine Fisheries Service, 501 West Ocean Blvd., Suite 4200, Long Beach, California 90802–4213

Arcata Field Office, National Marine Fisheries Service, 1125 16th Street, Room 209, Arcata, California 95521

Eureka Field Office, National Marine Fisheries Service, 1330 Bayshore Way, Eureka, California 95501

Pacific Islands Area Field Office, National Marine Fisheries Service, 2570 Dole Street, Room 106, Honolulu, Hawaii 96822–2396

Santa Rosa Field Office, Protected Resources Program, National Marine Fisheries Service, 777 Sonoma Avenue, Room 325, Santa Rosa, California 95404

Alaska Region

Protected Resources Management, Division, Alaska Region, National Marine Fisheries Service, 709 West 9th Street, Federal Building 461, P.O. Box 21767, Juneau, Alaska 99802

Anchorage Office, 222 West 7th Avenue, Box 10, Anchorage, Alaska 99513–7577

IV. Natural Heritage Centers

The Natural Heritage Network comprises 85 biodiversity data centers throughout the Western Hemisphere. These centers collect, organize, and share data relating to endangered and threatened species and habitat. The network was developed to inform land-use decisions for developers, corporations, conservationists, and government agencies and is also consulted for research and educational purposes. The centers maintain a Natural Heritage Network Control Server Website (http://www.heritage.tnc.org) which provides website and other access to a large number of specific biodiversity centers. Some of these centers are listed below:

Alabama Natural Heritage Program, Huntingdon College, Massey Hall, 1500 East Fairview Avenue, Montgomery, AL 36106–2148, (334) 834–4519 Fax: (334) 834–5439, Internet: alnhp@wsnet.com

Alaska Natural Heritage Program, University of Alaska Anchorage, 707 A Street, Anchorage, AK 99501, 907/257–2702 Fax: 907/258–9139, Program Director: David Duffy, 257–2707, Internet: afdcd1@orion.alaska.edu

Arizona Heritage Data Management System, Arizona Game & Fish Department, WM–H, 2221 W. Greenway Road, Phoenix, AZ 85023, 602/789–3612 Fax: 602/789–3928, Internet: hdms@gf.state.az.us Internet: hdms1@gf.state.az.us

Arkansas Natural Heritage Commission, Suite 1500, Tower Building, 323 Center Street, Little Rock, AR 72201, 501/324–9150 Fax: 501/324–9618, Director: Harold K. Grimmett, –9614

California Natural Heritage Division, Department of Fish & Game, 1220 S Street, Sacramento, CA 95814, 916/322–2493 Fax: 916/324–0475

Colorado Natural Heritage Program, Colorado State University, 254 General Services Building, Fort Collins, CO 80523, 970/491–1309 Fax: 970/491–3349

Connecticut Natural Diversity Database, Natural Resources Center, Department of Environmental Protection, 79 Elm Street, Store Level, Hartford, CT 06106–5127, 860/424–3540 Fax: 860/424–4058

Delaware Natural Heritage Program, Division of Fish & Wildlife, Department of Natural Resources & Environmental Control, 4876 Hay Point Landing Road Smyrna, DE 19977, 302/653–2880 Fax: 302/653–3431

District of Columbia Natural Heritage Program, 13025 Riley's Lock Road, Poolesville, MD 20837, 301/427–1302 Fax: 301/427–1355

Florida Natural Areas Inventory, 1018 Thomasville Road, Suite 200–C, Tallahassee, FL 32303, 904/224–8207 Fax: 904/681–9364

Florida Natural Areas Inventory, Eglin Air Force Base, P.O. Box 1150, Niceville, FL 32588, 904/883–6451 Fax: 904/682–8381

Georgia Natural Heritage Program, Wildlife Resources Division, Georgia Department of Natural Resources, 2117 U.S. Highway 278 S.E., Social Circle, GA 30279, 706/557–3032 or 770/918–6411, Fax: 706/557–3033 or 706/557–3040 Internet: natural_heritage@mail.dnr.state.ga.us

Hawaii Natural Heritage Program, The Nature Conservancy of Hawaii, 1116 Smith Street, Suite 201, Honolulu, HI 96817, 808/537–4508 Fax: 808/545–2019

Idaho Conservation Data Center, Department of Fish & Game, 600 South Walnut Street, Box 25, Boise, ID 83707–0025, 208/334–3402 Fax: 208/334–2114

Illinois Natural Heritage Division, Department of Natural Resources, Division of Natural Heritage, 524 South Second Street, Springfield, IL 62701–1787, 217/785–8774 Fax: 217/785–8277

Illinois Nature Preserves Commission, Director: Carolyn Grosboll, Deputy Dir/Steward: Randy Heidorn, Deputy Dir/Protect: Don McFall, Office Specialist: Karen Tish, 217/785–8774 Fax: 217/785–8277

Indiana Natural Heritage Data Center, Division of Nature Preserves, Department of Natural Resources, 402 West Washington Street, Room W267, Indianapolis, IN 46204, 317/232–4052 Fax: 317/233–0133

Iowa Natural Areas Inventory, Department of Natural Resources, Wallace State Office Building, Des Moines, IA 50319–0034, Fax: 515/281–6794, Coordinator/Zoologist: Daryl Howell, 515/281–8524

Kansas Natural Heritage Inventory, Kansas Biological Survey, 2041 Constant Avenue, Lawrence, KS 66047–2906, 913/864–3453 Fax: 913/864–5093

Kentucky Natural Heritage Program, Kentucky State Nature Preserves Commission, 801 Schenkel Lane, Frankfort, KY 40601, 502/573–2886 Fax: 502/573–2355

Louisiana Natural Heritage Program, Department of Wildlife & Fisheries, P.O. Box 98000, Baton Rouge, LA 70898–9000, 504/765–2821 Fax: 504/765–2607

Maine Natural Areas Program, Department of Conservation (FedEx/UPS: 159 Hospital Street), 93 State House Station, Augusta, ME 04333–0093, 207/287–8044 Fax: 207/287–8040, Internet: mnap@state.me.us Web site: http://www.state.me.us/doc/mnap/home.htm

Maryland Heritage & Biodiversity Conservation Programs, Department of Natural Resources, Tawes State Office Building, E–1, Annapolis, MD 21401, 410/260–8540 Fax: 410/260–8595, Web site: http://www.heritage.tnc.org/nhp/us/md/

Massachusetts Natural Heritage & Endangered Species Program, Division of Fisheries & Wildlife, Route 135, Westborough, MA 01581 508/792–7270 ext. 200 Fax: 508/792–7275

Michigan Natural Features Inventory, Mason Building, 5th floor (FedEx/UPS: 530 W Allegan, 48933), Box 30444, Lansing, MI 48909–7944, 517/373–1552 Fax: 517/373–6705, Director: Leni Wilsmann, 373–7565, Internet: wilsmanl@wildlife.dnr.state.mi.us

Minnesota Natural Heritage & Nongame Research, Department of Natural Resources, 500 Lafayette Road, Box 7, St. Paul, MN 55155, 612/297–4964 Fax: 612/297–4961

Mississippi Natural Heritage Program, Museum of Natural Science, 111 North Jefferson Street, Jackson, MS 39201–2897, 601/354–7303 Fax: 601/354–7227

Missouri Natural Heritage Database, Missouri Department of Conservation, P.O. Box 180 (FedEx: 2901 West Truman Blvd), Jefferson City, MO 65102–0180, 573/751–4115 Fax: 573/526–5582

Montana Natural Heritage Program, State Library Building, 1515 E. 6th Avenue, Helena, MT 59620, 406/444–3009 Fax: 406/444–0581, Internet: mtnhp@nris.msl.mt.gov, Homepage/World Wide Web: http://nris.msl.mt.gov/mtnhp/nhp-dir.html

Navajo Natural Heritage Program, P.O. Box 1480, Window Rock, Navajo Nation, AZ 86515, (520) 871–7603, (520) 871–7069 (FAX)

Nebraska Natural Heritage Program, Game and Parks Commission, 2200 North 33rd Street, P.O. Box 30370, Lincoln, NE 68503, 402/471–5421 Fax: 402/471–5528

Nevada Natural Heritage Program, Department of Conservation & Natural Resources, 1550 E. College Parkway, Suite 145, Carson City, NV 89706–7921, 702/687–4245 Fax: 702/885–0868

New Hampshire Natural Heritage Inventory, Department of Resources & Economic Development, 172 Pembroke Street, P.O. Box 1856, Concord, NH 03302, 603/271–3623 Fax: 603/271–2629

New York Natural Heritage Program, Department of Environmental Conservation, 700 Troy-Schenectady Road, Latham, NY 12110–2400, 518/783–3932 Fax: 518/783–3916, Computer: 518/783–3946

North Carolina Heritage Program, NC Department of Environment, Health & Natural Resources, Division of Parks & Recreation, P.O. Box 27687, Raleigh, NC 27611–7687, 919–733–4181 Fax: 919/715–3085

North Dakota Natural Heritage Inventory, North Dakota Parks & Recreation

Department, 1835 Bismarck Expressway, Bismarck, ND 58504, 701/328–5357 Fax: 701/328–5363

Ohio Natural Heritage Data Base, Division of Natural Areas & Preserves, Department of Natural Resources, 1889 Fountain Square, Building F–1, Columbus, OH 43224, 614/265–6453 Fax: 614/267–3096

Oklahoma Natural Heritage Inventory, Oklahoma Biological Survey, 111 East Chesapeake Street, University of Oklahoma, Norman, OK 73019–0575, 405/325–1985 Fax: 405/325–7702, Web site: http://obssun02.uoknor.edu/biosurvey/onhi/home.html

Oregon Natural Heritage Program, Oregon Field Office, 821 SE 14th Avenue, Portland, OR 97214 503/731–3070; 230–1221 Fax: 503/230–9639

Pennsylvania Natural Diversity Inventory (East, West, Central)

* Pennsylvania Natural Diversity Inventory—East, The Nature Conservancy, 34 Airport Drive, Middletown, PA 17057, 717/948–3962 Fax: 717/948–3957

* Pennsylvania Natural Diversity Inventory—West, Western Pennsylvania Conservancy, Natural Areas Program, 316 Fourth Avenue, Pittsburgh, PA 15222, 412/288–2777 Fax: 412/281–1792

* Pennsylvania Natural Diversity Inventory—Central, Bureau of Forestry, P.O. Box 8552, Harrisburg, PA 17105–8552, 717/783–0388 Fax: 717/783–5109

Puerto Rico Natural Heritage Program, Division de Patrimonio Natural, Area de Planificacion Integral, Departamento de Recursos Naturales y Ambientales de Puerto Rico, P.O. Box 5887, Puerta de Tierra, Puerto Rico 00906, Tel: 787–722–1726, Fax: 787–725–9526

Rhode Island Natural Heritage Program, Department of Environmental Management, Division of Planning & Development, 83 Park Street, Providence, RI 02903, 401/277–2776, x4308 Fax: 401/277–2069

South Carolina Heritage Trust, SC Department of Natural Resources, P.O. Box 167, Columbia, SC 29202, 803/734–3893 Fax: 803/734–6310 (Call first)

South Dakota Natural Heritage Data Base, SD Department of Game, Fish & Parks Wildlife Division, 523 E. Capitol Avenue, Pierre, SD 57501–3182, 605/773–4227 Fax: 605/773–6245

Tennessee Division of Natural Heritage, Department of Environment & Conservation, 401 Church Street, Life and Casualty Tower, 8th Floor, Nashville, TN 37243–0447, 615/532–0431 Fax: 615/532–0614

Texas Biological and Conservation Data System, 3000 South IH–35, Suite 100, Austin, TX 78704, 512/912–7011 Fax: 512/912–7058

U.S. Virgin Islands Conservation Data Center, Eastern Caribbean Center, University of the Virgin Islands, No. 2 John Brewers Bay, St. Thomas, VI 00802, (809) 693–1030 [Voice] (809) 693–1025, [Fax], Home Page: cdc.uvi.edu, E-Mail:dbarry@uvi.edu

Utah Natural Heritage Program, Division of Wildlife Resources, 1596 West North Temple, Salt Lake City, UT 84116, 801/538–4761 Fax: 801/538–4709

Vermont Nongame & Natural Heritage Program, Vermont Fish & Wildlife Department, 103 S. Main Street, 10 South, Waterbury, VT 05671–0501, 802/241–3700 Fax: 802/241–3295

Virginia Division of Natural Heritage, Department of Conservation & Recreation, Main Street Station, 1500 E. Main Street, Suite 312, Richmond, VA 23219, 804/786–7951 Fax: 804/371–2674

Washington Natural Heritage Program, Department of Natural Resources, (FedEx: 1111 Washington Street, SE), P.O. Box 47016, Olympia, WA 98504–7016, 360/902–1340 Fax: 360/902–1783

West Virginia Natural Heritage Program, Department of Natural Resources, Operations Center, Ward Road, P.O. Box 67, Elkins, WV 26241, 304/637–0245 Fax: 304/637–0250

Wisconsin Natural Heritage Program, Endangered Resources, Department of Natural Resources, 101 S. Webster Street, Box 7921, Madison, WI 53707, 608/266–7012 Fax: 608/266–2925

Wyoming Natural Diversity Database, 1604 Grand Avenue, Suite 2, Laramie, WY 82070, 307/745–5026 Fax: 307/745–5026 (Call first), Internet: wyndd@lariat.or

Addendum B—Historic Properties Guidance

Applicants must determine whether their facility's storm water discharges, allowable non-storm water discharges, or construction of best management practices (BMPs) to control such discharges, has potential to affect a property that is either listed or eligible for listing on the National Register of Historic Places.

For existing dischargers who do not need to construct BMPs for permit coverage, a simple visual inspection may be sufficient to determine whether historic properties are affected. However, for facilities which are new industrial storm water dischargers and for existing facilities which are planning to construct BMPs for permit eligibility, applicants should conduct further inquiry to determine whether historic properties may be affected by the storm water discharge or BMPs to control the discharge. In such instances, applicants should first determine whether there are any historic properties or places listed on the National Register or if any are eligible for listing on the register (*e.g.,* they are ''eligible for listing'').

Due to the large number of entities seeking coverage under this permit and the limited number of personnel available to State and Tribal Historic Preservation Officers nationwide to respond to inquiries concerning the location of historic properties, EPA suggests that applicants first access the ''National Register of Historic Places'' information listed on the National Park Service's web page (see Part I of this addendum). Addresses for State Historic Preservation Officers and Tribal Historic Preservation Officers are listed in Parts II and III of this addendum, respectively. In instances where a Tribe does not have a Tribal Historic Preservation Officer, applicants should contact the appropriate Tribal government office when responding to this permit eligibility condition. Applicants may also contact city, county or other local historical societies for assistance, especially when determining if a place or property is eligible for listing on the register.

The following three scenarios describe how applicants can meet the permit eligibility criteria for protection of historic properties under this permit:

(1) If historic properties are not identified in the path of a facility's storm water and allowable non-storm water discharges or where construction activities are planned to install BMPs to control such discharges (*e.g.,* diversion channels or retention ponds), then the applicant has met the permit eligibility criteria under Part 1.2.3.7.1.

(2) If historic properties are identified but it is determined that they will not be affected by the discharges or construction of BMPs to control the discharge, the applicant has met the permit eligibility criteria under Part 1.2.3.7.1.

(3) If historic properties are identified in the path of a facility's storm water and allowable non-storm water discharges or where construction activities are planned to install BMPs to control such discharges, and it is determined that there is the potential to adversely affect the property, the applicant can still meet the permit eligibility criteria under Part 1.2.3.7.2 if he/she obtains and complies with a written agreement with the appropriate State or Tribal Historic Preservation Officer which outlines measures the applicant will follow to mitigate or prevent those adverse effects. The contents of such a written agreement must be included in the facility's Storm Water Pollution Prevention Plan. The NOI form is being amended to include which option was selected to demonstrate compliance with NHPA provisions. EPA will notify applicants when the new NOI form takes effect.

In situations where an agreement cannot be reached between an applicant and the State or Tribal Historic Preservation Officer, applicants should contact the Advisory Council on Historic Preservation listed in Part IV of this addendum for assistance.

The term ''adverse effects'' includes but is not limited to damage, deterioration, alteration or destruction of the historic property or place. EPA encourages applicants to contact the appropriate State or Tribal Historic Preservation Officer as soon as possible in the event of a potential adverse effect to a historic property.

Applicants are reminded that they must comply with applicable State, Tribal and local laws concerning the protection of historic properties and places.

I. Internet Information on the National Register of Historic Places

An electronic listing of the ''National Register of Historic Places,'' as maintained by the National Park Service on its National Register Information System (NRIS), can be accessed on the Internet at ''http://www.nr.nps.gov/nrishome.htm''. Remember to use small case letters when accessing Internet addresses.

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President: Judith Bittner, Alaska, Vice President: H. Alexander Wise, Jr., Secretary: Judith McDonough, Massachusetts, Treasurer: Cathryn Slater, Arkansas
Directors: Brenda Barrett, Pennsylvania, Britta Bloomberg, Minnesota, Theodore Hild, Illinois, Wilson Martin, Utah, Amos Loveday, Ohio, Ken P'Pool, Mississippi, Daniel Abeyta, California, Dorothy Guzzo, New Jersey, Jay Vogt, South Dakota, F. Lawerence Oaks, Texas, Ted Sanderson, Rhode Island, Melvena Heisch, Oklahoma
Executive Director: Nancy Miller *nmncshpo@sso.org*
Office Manager: Anita Zepp *azncshpo@sso.org*
Senior Program Manager: Andra Reinholz *andra.reinholz@nps.gov*

National Park Service—National Center—*http://www.nps.gov/*

Associate Director, Cultural Resources, Kate Stevenson, 202–208–7625
Assistant Director & Manager, Cultural Resources, 202–343–9596
Archeology and Ethnography, Frank McManamon, Program Manager, 202–343–4101
HABS/HAER Division, E. Blaine Cliver, Chief, 202–343–9618
Heritage Preservation Services Program, Pat Tiller, Chief, 202–343–9569
Preservation Initiatives Branch, Bryan Mitchell, Chief, 202–343–9558
Technical Preservation Services Branch, Sharon Park, Chief, 202–343–9584,
State, Tribal & Local Programs Branch, Joe Wallis, Chief, 202–343–9564
Museum Management Program, Ann Hitchcock, Chief Curator, 202–343–9569
National Register, History & Education, Dwight Picaithley, Chief Historian, 202–343–9536
Keeper of the National Register of Historic Places, Carol Shull, 202–343–9536
Park Hist Struct/Cult Landscape Prg, Randall Biallas, Chief Historical Architect, 202–343–9588

National Park Service—Systems Support Offices

Anchorage, 907–257–2690, Philadelphia, 215–597–0652, Denver, 303–969–2875, Atlanta, 404–562–3157, San Francisco, 415–427–1300

Advisory Council on Historic Preservation—*http://www.achp.gov*

John Fowler, Executive Director, 202–606–8503, Ron Anzalone, Assistant to Executive Director, 202–606–8505, Don Klima, Director, Office of Planning & Review, Eastern and Western Regions, 202–606–8505

National Trust—*http://www.nthp.org*

Main Number—Washington, DC, 202–588–6000
Northeast Regional Office, Wendy Nicholas, Dir, 617–523–0885
Northeast Field Office, Patrick Hauck, Sr Prog Assoc, 215–991–5778
Southern Field Office, Lisa Burcham, Sr Prog Assoc, 202–588–6107
Southern Regional Office, John Hildreth, Dir, 843–722–8552
Midwest Regional Office, Jim Mann, Dir, 312–939–5547
Southwest Field Office, Jane Jenkins, Dir, 817–332–4398
Mountains/Plains Regional Office, Barbara Pahl, Dir, 303–623–1504
Western Regional Office, Elizabeth Goldstein, Dir, 415–956–0610

Preservation Action—*www.preservationaction.org*

Susan West Montgomery, President, 202–659–0915

Council on America's Military Past—*camphart1@aol.com*

Herbert M. Hart, Executive Director, 703–912–6124, Updated September 5, 2000

III. Tribal Historic Preservation Officers (THPO)

In instances where a Tribe does not have a Tribal Historic Preservation Officer, please contact the appropriate Tribal government office when responding to this permit eligibility condition.

Tribal Historic Preservation Officers:

(THPO vacant), Tunica-Biloxi Indians of Louisiana, P.O. Box 331, Marksville, LA 71351
James Bird, Eastern Band of Cherokee Indians, Quallah Boundary, P.O. Box 455, Cherokee, NC 28719
Brenda Boyd, Mille Lacs Band of Ojibwe Indians, HCR 67, Box 194, Onamia, MN 56395
John Brown, Narragansett Indian Tribe, P.O. Box 700, Wyoming, RI 02898
Marcia Cross, Confederated Salish and Kootenai Tribes, P.O. Box 278, Pablo, MT 59855
William Day, Poarch Band of Creek Indians, 5811 Jack Springs Rd., Atmore, AL 36502
Alan S. Downer, Ph.D., Historic Preservation Dept., Navajo Nation, P.O. Box 4950, Window Rock, AZ 86515
Kade M. Ferris, Turtle Mountain Band of Chippewa Indians, P.O. Box 900, Belcourt, ND 58316
Adeline Fredin, Confederated Tribes of the Colville Reservation, P.O. Box 150, Nespelem, WA 99155
Thomas Gates, Cultural Division, Yurok Tribe, 1034 6th St., Eureka, CA 95501
David Grignon, Menominee Indian Tribe of Wisconsin, P.O. Box 910, Keshena, WI 54135–0910
Monza V. Honga, Office of Cultural Resources, Hualapai Tribe, P.O. Box 310, Peach Springs, AZ 86434
Kelly Jackson, Lac du Flambeau, P.O. Box 67, Lac du Flambeau, WI 54538
Manfred (Fred) Jaenig, Confederated Tribes of the Umatilla Reservation, P.O. Box 638, Pendleton, OR 97801
Sebastian (Bronco) LeBeau, Cheyenne River Sioux Tribe, P.O. Box 590, Eagle Butte, SD 57625
Tim Mentz, Standing Rock Sioux Tribe, P.O. Box D, Fort Yates, ND 58538
Donna Stern-McFadden, Mescalero Apache Tribe, P.O. Box 227, Mescalero, New Mexico 88340
Scott E. Stuemke, Confederated Tribes of Warm Springs, Cultural Resources Department, P.O. Box C, Warm Springs, OR 97761
Matthew Vanderhoop, Wampanoag Tribe of Gay Head (Aquinnah), 20 Black Brook Road, Aquinnah, MA 02535–9701, Phone: (508) 645–9265, Fax: (508) 645–3790
John Welch, White Mt. Apache Tribe, P.O. Box 700, Whiteriver, AZ 85941, Phone: (520) 338–5430, Fax: (520) 338–5488
Gerald White, Leech Lake Band of Chippewa Indians, Route 3, Box 100, Cass Lake, MN 56633
Louie J. Wynne, Spokane Tribe of Indians, P.O. Box 100, Wellpinit, WA 99040
For more information: National Association of Tribal Historic Preservation Officers, D. Bambi Kraus, President, 1411 K Street NW, Suite 700, Washington, DC 20005, Phone: (202) 628–8476, Fax: (202) 628–2241

IV. Advisory Council on Historic Preservation

Advisory Council on Historic Preservation, 1100 Pennsylvania Avenue, NW., Suite 809, Washington, DC 20004 Telephone: (202) 606–8503/8505, Fax: (202) 606–8647/8672, E-mail: achp@achp.gov

Addendum C—New Source Environmental Assessments

Basic Format for Environmental Assessment

This is the basic format for the Environmental Assessment prepared by EPA from the review of the applicant's Environmental Information Document (EID) required for new source NPDES permits. Comprehensive information should be provided for those items or issues that are affected; the greater the impact, the more detailed information needed. The EID should contain a brief statement addressing each item listed below, even if the item is not applicable. The statement should at least explain why the item is not applicable.

A. General Information
1. Name of applicant
2. Type of facility
3. Location of facility
4. Product manufactured

B. Description Summaries
1. Describe the proposed facility and construction activity
2. Describe all ancillary construction not directly involved with the production processes
3. Describe briefly the manufacturing processes and procedures
4. Describe the plant site, its history, and the general area

C. Environmental Concerns
1. Historical and Archeological (include a statement from the State Historical Preservation Officer)
2. Wetlands Protection and 100-year Floodplain Management (the Army Corps of Engineers must be contacted if any wetland area or floodplain is affected)
3. Agricultural Lands (a prime farmland statement from the Soil Conservation Service must be included)
4. Coastal Zone Management and Wild and Scenic Rivers
5. Endangered Species Protection and Fish and Wildlife Protection (a statement from the U.S. Fish and Wildlife Service must be included)
6. Air, Water and Land Issues: quality, effects, usage levels, municipal services used, discharges and emissions, runoff and wastewater control, geology and soils involved, land-use compatibility, solid and hazardous waste disposal, natural and man-made hazards involved.
7. Biota concerns: floral, faunal, aquatic resources, inventories and effects
8. Community Infrastructures available and resulting effects: social, economic, health, safety, educational, recreational, housing, transportation and road resources.

BILLING CODE 6560–50–P

Addendum D—Notice of Intent Form

NPDES Form 3510-6

EPA

United States Environmental Protection Agency
Washington, DC 20460

Form Approved
OMB No. 2040-0086

Notice of Intent for Storm Water Discharges Associated with INDUSTRIAL ACTIVITY Under the Multi-sector NPDES General Permit

Submission of this completed Notice of Intent (NOI) constitutes notice that the entitiy in Section B intends to be authorized to discharge pollutants to waters of the United States, from the facility or site identified in Section C, under EPA's Storm Water Multi-sector General Permit (MSGP). Submission of the NOI also constitutes notice that the party identified in Section B of this form has read, understands, and meets the eligibility conditions of Part I of the MSGP; agrees to comply with all applicable terms and conditions of the MSGP; understands that continued authorization under the MSGP is contigent on maintaining eligibility for coverage, and that implementation of the permittee's pollution prevention plan is required two days after a complete NOI is mailed. In order to be granted coverage, all information required on this form must be completed. Please read and make sure you comply with all permit requirements, including the requirement to prepare and implement a storm water pollution prevention plan.

A. Permit Selection

Permit number assigned to your facility under the previous permit: __________

New Permit Number (EPA Use Only) __ R05 ____

B. Facility Operator Information

1. Name: ____ 2. Phone: ____
3. Mailing Address: a. Street or P.O. Box: ____
   b. City: ____ c. State: __ d. Zip Code: _____-____

C. Facility/Site Information

1. Facility/Site Name: ____
2. Location Address: a. Street: ____
   b. City: ____ c. County: ____
   d. State: __ e. Zip Code: _____-____
3. a. Latitude: __° __' __" b. Longitude: __° __' __"
4. a. Permit Applicant: ☐ Federal ☐ State ☐ Tribal ☐ Private ☐ Other public entity
   b. Is the facility located on Indian Country Lands? ☐ Yes ☐ No
5. Does the facility discharge storm water into:
   a. Receiving water(s)? ☐ Yes ☐ No If yes, name(s) of receiving water(s): ____
   b. A municipal separate storm sewer system (MS4)? ☐ Yes ☐ No
   If yes, name of the MS4 operator: ____
6. The 4-digit Standard Industrial Classification (SIC) codes or the 2-letter Activity Codes that best represent the principal products produced or services rendered by your facility and major co-located activities:
   Primary: ____ Secondary (if applicable): ____
7. Applicable sector(s) of industrial activity, as designated in Part 1.2.1 of the MSGP, that include associated discharges that you seek to have covered under this permit (choose up to three):

☐ Sector A	☐ Sector F	☐ Sector K	☐ Sector P	☐ Sector U	☐ Sector Z
☐ Sector B	☐ Sector G	☐ Sector L	☐ Sector Q	☐ Sector V	☐ Sector AA
☐ Sector C	☐ Sector H	☐ Sector M	☐ Sector R	☐ Sector W	☐ Sector AB
☐ Sector D	☐ Sector I	☐ Sector N	☐ Sector S	☐ Sector X	☐ Sector AC
☐ Sector E	☐ Sector J	☐ Sector O	☐ Sector T	☐ Sector Y	☐ Sector AD

8. Additional Facility/Site Requirements:
   a. Based on the instructions provided in Addendum A of the MSGP, have the eligibility criteria for "listed species" and critical habitat been met? ☐ Yes ☐ No
   b. Based on the instructions provided in Addendum B of the MSGP, have the eligibility criteria for protection of historic properties been met? ☐ Yes ☐ No

D. Certification

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

Print Name: ____

Signature: ____ Date: ____

Instructions for Completing the Notice of Intent for Storm Water Discharges Associated with INDUSTRIAL ACTIVITY Under the Multi-sector General Permit

Who Must File a Notice of Intent?

Under the provisions of section 402(p) of the Clean Water Act (CWA) and regulations at 40 CFR Part 122, Federal law prohibits "point source" discharges of storm water associated with industrial activity to waters of the U.S. without a National Pollutant Discharge Elimination System (NPDES) permit. If you operate a facility which is described in Part 1.2.1. of the Multi-sector General Permit (MSGP) or if you have been designated as needing permit coverage for your storm water discharges by your NPDES permitting authority, and you meet the eligibility requirements in Part 1 of the permit, you may satisfy your CWA obligation for permit coverage by submitting a completed NOI to obtain coverage under the MSGP. If you have questions about whether you need a permit under the NPDES Storm Water Program, contact your NPDES permitting authority (i.e., your EPA Regional storm water coordinator or your State water pollution control agency).

One NOI must be submitted for each facility or site for which you are seeking permit coverage. Only one NOI need be submitted to apply for coverage for all of your activities at each facility (e.g., you do not need to submit a separate NOI for each type of industrial activity located at a facility or industrial complex, provided your storm water pollution prevention plan covers each area for which you are an operator). Finally, the NOI must be submitted in accordance with the deadlines established in Part 2.1 of the MSGP.

When to File the NOI Form

DO NOT FILE THE NOI UNTIL YOU HAVE OBTAINED A COPY OF THE MULTI-SECTOR GENERAL PERMIT. You will need it to determine your eligibility, prepare your storm water pollution prevention plan, and correctly answer all questions on the NOI form — all of which must be done before you can sign the certification statement on the NOI in good faith (and without risk of committing perjury).

If you have a new facility or are the new operator of an existing facility, this form must be postmarked at least 48 hours before you need permit coverage. If your facility was covered under the 1995 Multi-sector General Permit or if you are currently operating without a permit, see Part 2.1 of the MSGP for your deadlines. CAUTION: You must allow enough lead time to gather the information necessary to complete the NOI (especially that related to determining eligibility with regards to endangered species and historic properties) and prepare the pollution prevention plan required by Part 4 of the MSGP prior to submitting your NOI.

Where to File the NOI Form

NOIs must be sent to the following address (do not send Storm Water Pollution Prevention Plans (SWPPPs) to this address):

Storm Water Notice of Intent (4203)
U.S. EPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

(For overnight/express delivery of NOIs, add the phone number (202) 260-9541)

NOTE: While not currently available, EPA is exploring the possibility of offering the option to complete the NOI form electronically online via the Internet. If this option does become available, directions will be posted on EPA's web site. To check on the availability of the alternative Online NOI, please visit http://www.epa.gov/ow/sw. If the Online NOI is not available, you must file the NOI at the above address.

If your facility discharges through a municipal separate storm sewer system (MS4) that is permitted as a medium or large MS4 under the NPDES Storm Water Program, you must also submit a signed copy of the NOI to the operator of that MS4, in accordance with the deadlines established in Part 2.1 of the permit.

Completing the NOI Form

To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words. Please make sure you have addressed all applicable questions and have made a photocopy for your records before sending the completed form to the address above.

Section A. Permit Selection

You must indicate the NPDES storm water general permit under which you are applying for coverage. Find the generic permit "number" in Part 1.1 of the permit that covers the area where your facility is located. For example, if you are located in New Mexico (except Indian Country lands), the generic number would be NMR05*###. If you are located on Navajo lands in New Mexico, the generic permit number would be AZR05*##1. CAUTION: You must use the correct permit number or your permit coverage will be invalid since you are not located within the coverage area for that permit.

Section B. Facility Operator Information

1. Provide the legal name of the person, partnership, co-partnership, firm, company, corboration, association, joint stock company, trust, estate, governmental entity, or other legal entity that operates the facility or site described in this application. The name of the operator may or may not be the same as the name of the facility. The responsible party is the legal entity that controls the facility's operation, rather than the plant or site manager.
2. Provide the telephone number of the facility operator.
3. Provide the mailing address of the facility operator. Include the street address or P.O. Box, city, state, and zip code. All correspondence regarding the permit will be sent to this address, not the facility address in Section C.
4. Indicate the legal status of the facility operator as a Federal, State, Tribal private, or other public entity (other than Federal or State). This refers only to the operator, not the owner or the land the facility or site is located upon.

Section C. Facility/Site Information

1. Enter the official or legal name of the facility or site.
2. Enter the complete street address (if no street address exists, provide a geographic description [e.g., Intersection of Routes 9 and 55]), city county, state, and zip code. Do not use a P.O. Box.
3. Enter the latitude and longitude of the approximate center of the facility or site in degrees/minutes/seconds. Latitude and longitude can be obtained from U.S. Geological Survey (USGS quadrangle or topographic maps, by using a GPS unit, by calling 1-(888) ASK-USGS, by searching for your facility's address on several commercial "map" sites on the Internet, or by accessing EPA's web site at http://www.epa.gov/owm/sw/industry/index.htm and selecting Latitude and Longitude Finders under the Resources/Permit section.
4. Indicate whether the facility is located on Indian Country lands (e.g., a federally recognized reservation, etc,).
5. Indicate whether the facility or site discharges storm water into a receiving water(s) and/or a municipal separate storm sewer system (MS4). Enter the name(s) of the closest receiving water(s) and/or the MS4 (An MS4 is defined as a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is owned or operated by a state, city, town, borough, county, parish, district, association, or other public body and is designed or used for collecting or conveying storm water.)
6. List your primary and secondary four 4-digit Standard Industrial Classification (SIC) codes or 2-character Activity Codes that best describe the principal products or services provided at the facility or site identified in Section C of this application. For industrial activities defined in 40 CFR 122.26(b)(lf)(i)-(ix) and (xi) that do not have SIC codes that accurately describe the principal products produced or services provided, use the following 2-character Activity Codes:
   HZ = Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under subtitle C of RCRA [40 CFR 122.26(b)(lf)(iv)];
   LF = Landfills, land application sites, and open dumps that receive or have received any industrial wastes, including those that are subject to regulation under subtitle D of RCRA [40 CFR 122.26(b)(lf)(v)J;
   SE = Steam electric power generating facilities, including coal handling sites [40 CFR 122.26(b)(lf)(vii)];
   TW = Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage [40 CFR 122.26(b)(lf)(ix)]; or
   Alternatively, if your facility or site was specifically designated by your NPDES permitting authority (EPA), enter "**AD**."

Section D. Certification

Certification statement and signature. (CAUTION: An unsigned or undated NOI form will prevent the granting of permit coverage.) Federal statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means:

(i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or

(ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or

For a municipal, State, Federal, or other public facility: by either a principal executive or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this certification is estimated to average 3.7 hours per certification, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose to provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection.of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Office of Environmental Information Services, Collection Services Division (2823), USEPA, 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include the OMB control number of this form on any correspondence. Do not send the completed NOI form to this address.

Addendum E—Notice of Termination Form

THIS FORM REPLACES PREVIOUS FORM 3510-7 (8-92)
Please See Instructions Before Completing This Form

Form Approved. OMB No. 2040-0086
Approval expires: 8-31-98

NPDES FORM

United States Environmental Protection Agency
Washington, DC 20460

Notice of Termination (NOT) of Coverage Under a NPDES General Permit for Storm Water Discharges Associated with Industrial Activity

Submission of this Notice of Termination constitutes notice that the party identified in Section II of this form is no longer authorized to discharge storm water associated with industrial activity under the NPDES program. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM.

I. Permit Information

NPDES Storm Water General Permit Number: _____ Check Here if You are No Longer the Operator of the Facility: ☐ Check Here if the Storm Water Discharge is Being Terminated: ☐

II. Facility Operator Information

Name: _____ Phone: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

III. Facility/Site Location Information

Name: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Latitude: _____ Longitude: _____ Quarter: _____ Section: _____ Township: _____ Range: _____

IV. Certification: I certify under penalty of law that all storm water discharges associated with industrial activity from the identified facility that are authorized by a NPDES general permit have been eliminated or that I am no longer the operator of the facility or construction site. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with industrial activity under this general permit, and that discharging pollutants in storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

Print Name: _____ Date: _____

Signature: _____

Instructions for Completing Notice of Termination (NOT) Form

Who May File a Notice of Termination (NOT) Form

Permittees who are presently covered under an EPA-issued National Poliutant Discharge Elimination System (NPDES) General Permit (including the 1995 Multi-Sector Permit) for Storm Water Dicharges Associated with Industrial Activity may submit a Notice of Termination (NOT) form when their facilities no longer have any storm water discharges associated with industrial activity as defined in the storm water regulations at 40 CFR 122.26(b)(14), or when they are no longer the operator of the facilities.

For construction activities, elimination of all storm water discharges associated with industrial activity occurs when disturbed soils at the construction site have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with industrial activity from the construction site that are authorized by a NPDES general permit have otherwise been eliminated. Final stabilization means that all soil-disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70% of the cover for unpaved areas and areas not covered by permanent structures has been established, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

Where to File NOT Form

Send this form to the the following address:

Storm Water Notice of Termination (4203)
401 M Street, S.W.
Washington, DC 20460

Completing the Form

Type or print, using upper-case letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. If you have any questions about this form, telephone or write the Notice of Intent Processing Center at (703) 931-3230.

EPA Form 3510-7 (8-98)

Instructions - EPA Form 3510-7
Notice of Termination (NOT) of Coverage Under The NPDES General Permit for Storm Water Discharges Associated With Industrial Activity

Section I Permit Information

Enter the existing NPDES Storm Water General Permit number assigned to the facility or site identified in Section III. If you do not know the permit number, telephone or write your EPA Regional storm water contact person.

Indicate your reason for submitting this Notice of Termination by checking the appropriate box:

If there has been a change of operator and you are no longer the operator of the facility or site identified in Section III, check the corresponding box.

If all storm water discharges at the facility or site identified in Section III have been terminated, check the corresponding box.

Section II Facility Operator Information

Give the legal name of the person, firm, public organization, or any other entity that operates the facility or site described in this application. The name of the operator may or may not be the same name as the facility. The operator of the facility is the legal entity which controls the facility's operation, rather than the plant or site manager. Do not use a colloquial name. Enter the complete address and telephone number of the operator.

Section III Facility/Site Location Information

Enter the facility's or site's official or legal name and complete address, including city, state and ZIP code. If the facility lacks a street address, indicate the state, the latitude and longitude of the facility to the nearest 15 seconds, or the quarter, section, township, and range (to the nearest quarter section) of the approximate center of the site.

Section IV Certification

Federal statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or

For a municipality, State, Federal, or other public facility: by either a principal executive officer or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 0.5 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Addendum F—No Exposure Certification Form

NPDES FORM 3510-11

United States Environmental Protection Agency
Washington, DC 20460

Form Approved
OMB No. 2040-0211

NO EXPOSURE CERTIFICATION for Exclusion from NPDES Storm Water Permitting

Submission of this No Exposure Certification constitutes notice that the entity identified in Section A does not require permit authorization for its storm water discharges associated with industrial activity in the State identified in Section B under EPA's Storm Water Multi-Sector General Permit due to the existence of a condition of no exposure.

A condition of no exposure exists at an industrial facility when all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. A storm resistant shelter is not required for the following industrial materials and activities:

- drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. "Sealed" means banded or otherwise secured and without operational taps or valves;
- adequately maintained vehicles used in material handling; and
- final products, other than products that would be mobilized in storm water discharges (e.g., rock salt).

A No Exposure Certification must be provided for each facility qualifying for the no exposure exclusion. In addition, the exclusion from NPDES permitting is available on a facility-wide basis only, not for individual outfalls. If any industrial activities or materials are or will be exposed to precipitation, the facility is not eligible for the no exposure exclusion.

By signing and submitting this No Exposure Certification form, the entity in Section A is certifying that a condition of no exposure exists at its facility or site, and is obligated to comply with the terms and conditions of 40 CFR 122.26(g).

ALL INFORMATION MUST BE PROVIDED ON THIS FORM.

Detailed instructions for completing this form and obtaining the no exposure exclusion are provided on pages 3 and 4.

A. Facility Operator Information

1. Name: _____ 2. Phone: _____
3. Mailing Address: a. Street: _____
   b. City: _____ c. State: _____ d. Zip Code: _____

B. Facility/Site Location Information

1. Facility Name: _____
2. a. Street Address: _____
   b. City: _____ c. County: _____
   d. State: _____ e. Zip Code: _____
3. Is the facility located on Indian Lands? Yes ☐ No ☐
4. Is this a Federal facility? Yes ☐ No ☐
5. a. Latitude: _____ ° _____ ' _____ " b. Longitude: _____ ° _____ ' _____ "
6. a. Was the facility or site previously covered under an NPDES storm water permit? Yes ☐ No ☐
   b. If yes, enter NPDES permit number: _____
7. SIC/Activity Codes: Primary: _____ Secondary (if applicable): _____
8. Total size of site associated with industrial activity: _____ acres
9. a. Have you paved or roofed over a formerly exposed, pervious area in order to qualify for the no exposure exclusion? Yes ☐ No ☐
   b. If yes, please indicate approximately how much area was paved or roofed over. Completing this question does not disqualify you for the no exposure exclusion. However, your permitting authority may use this information in considering whether storm water discharges from your site are likely to have an adverse impact on water quality, in which case you could be required to obtain permit coverage.

   Less than one acre ☐ One to five acres ☐ More than five acres ☐

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C. Exposure Checklist

Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) **If you answer "Yes" to any of these questions (1) through (11), you are not eligible for the no exposure exclusion.**

	Yes	No
1. Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to storm water	☐	☐
2. Materials or residuals on the ground or in storm water inlets from spills/leaks	☐	☐
3. Materials or products from past industrial activity	☐	☐
4. Material handling equipment (except adequately maintained vehicles)	☐	☐
5. Materials or products during loading/unloading or transporting activities	☐	☐
6. Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to storm water does not result in the discharge of pollutants)	☐	☐
7. Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers	☐	☐
8. Materials or products handled/stored on roads or railways owned or maintained by the discharger	☐	☐
9. Waste material (except waste in covered, non-leaking containers [e.g., dumpsters])	☐	☐
10. Application or disposal of process wastewater (unless otherwise permitted)	☐	☐
11. Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the storm water outflow	☐	☐

D. Certification Statement

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from NPDES storm water permitting.

I certify under penalty of law that there are no discharges of storm water contaminated by exposure to industrial activities or materials from the industrial facility or site identified in this document (except as allowed under 40 CFR 122.26(g)(2)).

I understand that I am obligated to submit a no exposure certification form once every five years to the NPDES permitting authority and, if requested, to the operator of the local municipal separate storm sewer system (MS4) into which the facility discharges (where applicable). I understand that I must allow the NPDES permitting authority, or MS4 operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request. I understand that I must obtain coverage under an NPDES permit prior to any point source discharge of storm water from the facility.

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

Print Name: _____

Print Title: _____

Signature: _____

Date: _____

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EPA

Instructions for the NO EXPOSURE CERTIFICATION for Exclusion from NPDES Storm Water Permitting

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Who May File a No Exposure Certification

Federal law at 40 CFR Part 122.26 prohibits point source discharges of storm water associated with industrial activity to waters of the U.S. without a National Pollutant Discharge Elimination System (NPDES) permit. However, NPDES permit coverage is not required for discharges of storm water associated with industrial activities identified at 40 CFR 122.26(b)(14)(i)-(ix) and (xi) if the discharger can certify that a condition of "no exposure" exists at the industrial facility or site.

Storm water discharges from construction activities identified in 40 CFR 122.26(b)(14)(x) and (b)(15) are not eligible for the no exposure exclusion.

Obtaining and Maintaining the No Exposure Exclusion

This form is used to certify that a condition of no exposure exists at the industrial facility or site described herein. This certification is only applicable in jurisdictions where EPA is the NPDES permitting authority and must be re-submitted at least once every five years.

The industrial facility operator must maintain a condition of no exposure at its facility or site in order for the no exposure exclusion to remain applicable. If conditions change resulting in the exposure of materials and activities to storm water, the facility operator must obtain coverage under an NPDES storm water permit immediately.

Where to File the No Exposure Certification Form

Mail the completed no exposure certification form to:

Storm Water No Exposure Certification (4203)
USEPA
401 M Street, SW
Washington, D.C. 20460

Completing the Form

You must type or print, using uppercase letters, in appropriate areas only. Enter only one character per space (i.e., between the marks). Abbreviate if necessary to stay within the number of characters allowed for each item. Use one space for breaks between words. One form must be completed for each facility or site for which you are seeking to certify a condition of no exposure. Additional guidance on completing this form can be accessed through EPA's web site at www.epa.gov/owm/sw. Please make sure you have addressed all applicable questions and have made a photocopy for your records before sending the completed form to the above address.

Section A. Facility Operator Information

1. Provide the legal name of the person, firm, public organization, or any other entity that operates the facility or site described in this certification. The name of the operator may or may not be the same as the name of the facility. The operator is the legal entity that controls the facility's operation, rather than the plant or site manager.

2. Provide the telephone number of the facility operator.

3. Provide the mailing address of the operator (P.O. Box numbers may be used). Include the city, state, and zip code. All correspondence will be sent to this address.

Section B. Facility/Site Location Information

1. Enter the official or legal name of the facility or site.

2. Enter the complete street address (if no street address exists, provide a geographic description [e.g., Intersection of Routes 9 and 55]), city, county, state, and zip code. Do not use a P.O. Box number.

3. Indicate whether the facility is located on Indian Lands.

4. Indicate whether the industrial facility is operated by a department or agency of the Federal Government (see also Section 313 of the Clean Water Act).

5. Enter the latitude and longitude of the approximate center of the facility or site in degrees/minutes/seconds. Latitude and longitude can be obtained from United States Geological Survey (USGS) quadrangle or topographic maps, by calling 1-(888) ASK-USGS, or by accessing EPA's web site at http://www.epa.gov/owm/sw/industry/index.htm and selecting Latitude and Longitude Finders under the Resources/Permit section.

   Latitude and longitude for a facility in decimal form must be converted to degrees (°), minutes ('), and seconds (") for proper entry on the certification form. To convert decimal latitude or longitude to degrees/minutes/seconds, follow the steps in the following example.

   Example: Convert decimal latitude 45.1234567 to degrees (°), minutes ('), and seconds (").

   a) The numbers to the left of the decimal point are the degrees: 45°.

   b) To obtain minutes, multiply the first four numbers to the right of the decimal point by 0.006: 1234 x 0.006 = 7.404.

   c) The numbers to the left of the decimal point in the result obtained in (b) are the minutes: 7'.

   d) To obtain seconds, multiply the remaining three numbers to the right of the decimal from the result obtained in (b) by 0.06: 404 x 0.06 = 24.24. Since the numbers to the right of the decimal point are not used, the result is 24".

   e) The conversion for 45.1234567 = 45° 7' 24".

6. Indicate whether the facility was previously covered under an NPDES storm water permit. If so, include the permit number.

7. Enter the 4-digit SIC code which identifies the facility's primary activity, and second 4-digit SIC code identifying the facility's secondary activity, if applicable. SIC codes can be obtained from the Standard Industrial Classification Manual, 1987.

8. Enter the total size of the site associated with industrial activity in acres. Acreage may be determined by dividing square footage by 43,560, as demonstrated in the following example.

   Example: Convert 54,450 ft^2 to acres

   Divide 54,450 ft^2 by 43,560 square feet per acre:
   54,450 ft^2 ÷ 43,560 ft^2/acre = 1.25 acres.

9. Check "Yes" or "No" as appropriate to indicate whether you have paved or roofed over a formerly exposed, pervious area (i.e., lawn, meadow, dirt or gravel road/parking lot) in order to qualify for no exposure. If yes, also indicate approximately how much area was paved or roofed over and is now impervious area.

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Instructions for the NO EXPOSURE CERTIFICATION for Exclusion from NPDES Storm Water Permitting

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Section C. Exposure Checklist

Check "Yes" or "No" as appropriate to describe the exposure conditions at your facility. If you answer "Yes" to **ANY** of the questions (1) through (11) in this section, a potential for exposure exists at your site and you cannot certify to a condition of no exposure. You must obtain (or already have) coverage under an NPDES storm water permit. After obtaining permit coverage, you can institute modifications to eliminate the potential for a discharge of storm water exposed to industrial activity, and then certify to a condition of no exposure.

Section D. Certification Statement

Federal statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means:

(i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or

(ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or

For a municipal, State, Federal, or other public facility: by either a principal executive or ranking elected official.

Paperwork Reduction Act Notice

Public reporting burden for this certification is estimatedto average 1.0 hour per certification, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose to provide information to or for a Federal agency This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Office of Environmental Services, Collection Services Division (2823), USEPA, 1200 Pennsylvania Avenue, NW, Washington, D.C. 20460. Include the OMB control number of this form on any correspondence. Do not send the completed No Exposure Certification form to this address.

[FR Doc. 00–25469 Filed 10–27–00; 8:45 am]
BILLING CODE 6560–50–C

Appendix 3.
Sites Co-located with Industrial Sites

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PRS Number	Consolidated PRS Number	Site Name	Existing SWPP Plan	FMU	Erosion Matrix Score	FFCA Site Flag
03-007		Firing site	Sigma Complex	67/ 5	8.8	NO
03-013(a)	03-013(a)-00	Operational release	Industrial Shop SWPP	67/ 5	45	YES
03-014(q)	03-012(b)-00	Wastewater treatment facility	Power Plant	80/ 8	14	NO
03-014(x)		Wastewater treatment facility	Sigma Complex	67/ 5		NO
03-014(y)		Wastewater treatment facility	Sigma Complex	67/ 5		NO
03-015	03-015-00	Outfall	Sigma Complex	67/ 5	3.6	NO
03-025(c)		Tank and/or associated equipment	TA-3 bldg 39 & 102 metal shop	80/ 8		NO
03-026(a)		Sump	Sigma Complex	67/ 5		NO
03-034(b)		Tank and/or associated equipment	Sigma Complex	67/ 5	39	NO
03-037		Underground tank	Sigma Complex	67/ 5	3.6	NO
03-045(a)		Outfall (industrial or sanitary wastewater treatment)	Power Plant	80/ 8	7.6	NO
03-045(b)	03-012(b)-00	Industrial or sanitary wastewater treatment	Power Plant	80/ 8	65	YES
03-045(c)	03-012(b)-00	Outfall	Power Plant	80/ 8	57.7	YES
03-045(h)		Outfall (industrial or sanitary wastewater treatment)	Sigma Complex	67/ 5	38.3	NO
03-047(d)		Storage area	Power Plant	80/ 8	15.3	NO
03-049(a)		Outfall	Sigma Complex	67/ 5	36.8	NO
03-049(b)		Operational release	Sigma Complex	67/ 5	3.6	NO
03-051(c)		Soil contamination (vacuum pump leaking)	Sigma Complex	67/ 5	12.7	NO
03-052(a)		Storm drainage	TA-3 bldg 39 & 102 metal shop	80/ 8	34.6	NO
03-052(b)		Storm drainage	Sigma Complex	67/ 5	39.8	NO
03-053	03-015-00	Operational facility	Sigma Complex	67/ 5		NO
03-056(k)		Container storage area	Sigma Complex	67/ 5	3.6	NO
03-056(l)		Drum storage	Sigma Complex	67/ 5	10.6	NO
14-001(a)		Firing site (active)	DX	67/ 5	3.6	NO
14-001(b)		Firing site (active)	DX	67/ 5	3.6	NO
14-001(c)		Firing site (active)	DX	67/ 5	3.6	NO
14-001(d)		Firing site (active)	DX	67/ 5	3.6	NO
14-001(e)		Firing site (active)	DX	67/ 5	3.6	NO
14-001(f)		Firing site - bullet test facility (active)	DX - Non-HSWA	67/ 5	3.6	NO
14-001(g)		Firing site - Open Burn/Open Detonation (active)	DX	67/ 5	53.3	YES
14-002(a)		Firing site (inactive)	DX - Non-HSWA	67/ 5	46.3	YES
14-002(b)		Firing site (inactive)	DX - Non-HSWA	67/ 5		NO
14-002(f)		Junction box at a firing site	DX - Non-HSWA	67/ 5		NO
14-004(b)		Satellite accumulation area	DX	67/ 6	3.6	NO
14-005		Incinerator (active)	DX	67/ 5	57.3	YES
14-006		Tank and/or associated equipment	DX	67/ 5	47.1	YES
14-009		Surface disposal site	DX - Non-HSWA	67/ 5	53.7	YES
14-010		Sump	DX - Non-HSWA	67/ 5	51.5	YES
15-003		Firing site PHERMEX (active)	DX - Non-HSWA	67/ 5	15.3	NO
15-004(h)		Firing site H (inactive)	DX - Non-HSWA	67/ 5	8.8	NO
15-006(a)		Firing site PHERMEX (active)	DX - Non-HSWA	67/ 5	15.3	NO
15-006(b)		Firing Site Ector (active)	DX - Non-HSWA	67/ 5	15.3	NO
15-009(g)		Septic tank (active)	DX - Non-HSWA	67/ 5	3.6	NO
15-010(c)		Drainline	DX - Non-HSWA	67/ 5	51.5	YES
15-014(d)		Industrial or sanitary wastewater treatment	DX - Non-HSWA	67/ 5	39.8	NO
15-014(l)		NPDES-permitted outfall (active)	DX - Non-HSWA	67/ 5	39.8	NO
15-014(m)		Drainline and outfall (active)	DX - Non-HSWA	67/ 5	21.5	NO
16-005(g)	16-010(h)-99	Burn site	Burn Ground	70/ 5	3.6	NO
16-006(e)	16-016(c)-99	Septic system 16-385	Burn Ground	70/ 5	8.8	NO
16-010(c)		Burn site 16-388 - RCRA Unit (active)	Burn Ground	70/ 5	47.2	YES
16-010(d)		Burn site 16-399 - RCRA unit (active)	Burn Ground	70/ 5	50.3	YES

PRS Number	Consolidated PRS Number	Site Name	Existing SWPP Plan	FMU	Erosion Matrix Score	FFCA Site Flag
16-010(e)		HE filter vessel; RCRA unit (active)	Burn Ground	70/ 5	14	NO
16-010(f)		HE filter vessel; RCRA unit (active)	Burn Ground	70/ 5	14	NO
16-010(h)	16-010(h)-99	Burn site	Burn Ground	70/ 5	8.8	NO
16-010(i)		Burn site	Burn Ground	70/ 5	14	NO
16-010(j)		Burn site - RCRA Unit	Burn Ground	70/ 5	14	NO
16-010(k)	16-010(h)-99	Trough	Burn Ground	70/ 5	14	NO
16-010(l)	16-010(h)-99	Trough	Burn Ground	70/ 5	14	NO
16-010(m)	16-010(h)-99	Trough	Burn Ground	70/ 5	14	NO
16-010(n)	16-010(h)-99	Trough	Burn Ground	70/ 5	14	NO
16-028(a)		South drainage channel	Burn Ground	70/ 5	51.5	YES
35-013(a)		Sump	Sigma Complex		3.6	NO
35-016(g)		Outfall	Sigma Complex		68.3	YES
35-016(h)		Storm drain	Sigma Complex		76.5	YES
35-016(j)		Storm drain	Sigma Complex		24	NO
36-001		Material disposal area (MDA AA)	DX - Non-HSWA		45.7	YES
36-004(a)		Firing site (active)	DX - Non-HSWA		48.5	YES
36-004(b)		Firing site (active)	DX - Non-HSWA		57.3	YES
36-004(c)		Firing site - open detonation (active)	DX	67/ 5	68.3	YES
36-004(d)		Firing site (Lower Slobbovia, skunk works, burn pit) (active)	DX - Non-HSWA		33	NO
36-004(e)		I-J Firing Site (active)	DX - Non-HSWA		57.3	YES
36-006		Surface disposal site	DX - Non-HSWA		78	YES
39-002(b)		Storage area	DX	67/ 5	15.6	NO
39-002(d)		Storage area	DX	67/ 5	15.6	NO
39-002(f)		Storage area	DX - Non-HSWA		15.6	NO
39-004(a)		Firing site	DX	67/ 5	74	YES
39-004(c)		Firing site 39-6 (open detonation) - RCRA Unit (active)	DX	67/ 5	74.5	YES
39-004(d)		Firing site 39-57 (open detonation) - RCRA Unit (active)	DX	67/ 5	74	YES
39-004(e)		Firing site (active)	DX - Non-HSWA		78.5	YES
40-006(a)		Firing site (active)	DX - Non-HSWA		56.2	YES
40-006(c)		Firing site (active)	DX - Non-HSWA		25.3	YES
42-001(a)		Incinerator (former location)	TA-55 Plutonium Facility	76/ 7	65.8	YES
42-001(b)		Ash storage tank (former location)	TA-55 Plutonium Facility	76/ 7	22.3	YES
42-001(c)		Ash storage tank (former location)	TA-55 Plutonium Facility	76/ 7	65.8	YES
42-002(a)		Decontamination facility (former location)	TA-55 Plutonium Facility		65.8	YES
42-002(b)		Decontamination facility driveway (former location)	TA-55 Plutonium Facility	76/ 7	65.8	YES
50-001(a)		Waste treatment facility TA-50-1 - RCRA Unit (active)	RLWTF	84/ 6	8.8	NO
50-002(d)		Aboveground storage tank	RLWTF	84/ 6		NO
50-006(a)		Operational release	RLWTF	84/ 6	77.8	YES
50-006(c)		Operational release	RLWTF	84/ 6	38.6	NO
50-009		Material disposal area (MDA C)	RLWTF	84/ 6	54.8	YES
54-001(a)		Storage area	TA-54 Stormwater Plan	64/ 6	22.3	NO
54-001(b)		Storage area	TA-54 Stormwater Plan	64/ 6		NO
54-001(c)		Storage area	TA-54 Stormwater Plan	64/ 6		NO
54-001(d)		Storage area	TA-54 Stormwater Plan	64/ 6	3.6	NO
54-001(e)		Storage area	TA-54 Stormwater Plan	64/ 6		NO
54-002		Storage area (gas cylinder storage area)	TA-54 Stormwater Plan	64/ 6		NO
54-004		Material disposal area (MDA H)	TA-54 Stormwater Plan	64/ 6	45.6	YES
54-005		Material disposal area (MDA J) (Pits 1-5, Shafts 1-4)	TA-54 Stormwater Plan	64/ 6	20.9	NO
54-006		Material disposal area (MDA L) (all subsurface units such as Pit A, SI B,C,D, Shafts 1-28, 29-34)	TA-54 Stormwater Plan	64/ 6	10.6	NO
54-007(a)		Septic system	TA-54 Stormwater Plan	64/ 6	20.5	NO
54-007(b)		Septic system (inactive)	TA-54 Stormwater Plan		27	NO

PRS Number	Consolidated PRS Number	Site Name	Existing SWPP Plan	FMU	Erosion Matrix Score	FFCA Site Flag
54-007(c)	54-007(c)-99	Septic system	TA-54 RANT	64/ 6	56	YES
54-007(e)	54-007(c)-99	Septic system	TA-54 RANT	64/ 6	23.3	NO
54-009		Aboveground tanks (treatment tanks)	TA-54 Stormwater Plan	64/ 6		NO
54-012(a)		Former reduction site (drum compactor)	TA-54 Stormwater Plan	64/ 6		NO
54-012(b)		Reduction site	TA-54 Stormwater Plan	64/ 6	22.3	NO
54-013(b)	54-013(b)-99	Material disposal area (MDA G) disposal pit (truck washing pit converted to Pit 19)	TA-54 Stormwater Plan	64/ 6	3.6	NO
54-014(a)		Material disposal area (MDA L) storage shafts (Pb stringer shafts)	TA-54 Stormwater Plan	64/ 6		NO
54-014(b)	54-013(b)-99	Material disposal area (MDA G) storage pit (Pit 9, TRU waste)	TA-54 Stormwater Plan	64/ 6	14	NO
54-014(c)	54-013(b)-99	Material disposal area (MDA G) storage shafts (shafts 200-233)	TA-54 Stormwater Plan	64/ 6	39.8	NO
54-014(d)	54-013(b)-99	Material disposal area (MDA G) storage trenches A, B, C, D	TA-54 Stormwater Plan	64/ 6	66.5	YES
54-015(a)		Storage area (surface corrosive inhibitor)	TA-54 Stormwater Plan		3.6	NO
54-015(b)		Pit 39- LLW disposal area (former TRU surface storage)	TA-54 Stormwater Plan	64/ 6	27	NO
54-015(c)		Storage area, TRU Pad 1	TA-54 Stormwater Plan	64/ 6	3.6	NO
54-015(d)		Storage area, TRU Pad 2	TA-54 Stormwater Plan	64/ 6	27	NO
54-015(e)		Storage area, TRU Pad 3	TA-54 Stormwater Plan	64/ 6	3.6	NO
54-015(f)		Storage area, TRU Pad 4	TA-54 Stormwater Plan	64/ 6	27	NO
54-015(h)		Drum storage area	TA-54 RANT	64/ 6	22.3	NO
54-015(j)		Storage area (Dome #49, mixed waste sludge)	TA-54 Stormwater Plan	64/ 6		NO
54-015(k)	54-013(b)-99	Storage area (TRU waste mound)	TA-54 Stormwater Plan	64/ 6	18	NO
54-016(b)		Sump	TA-54 Stormwater Plan	64/ 6		NO
54-017	54-013(b)-99	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	TA-54 Stormwater Plan	64/ 6	62	YES
54-018	54-013(b)-99	Material disposal area (MDA G) disposal pits 27-33,35-37 (active after 11/19/80)	TA-54 Stormwater Plan	64/ 6	52.6	YES
54-019	54-013(b)-99	Material disposal area (MDA G) disposal shafts (active before 11/19/80)	TA-54 Stormwater Plan	64/ 6	27.5	NO
54-020	54-013(b)-99	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	TA-54 Stormwater Plan	64/ 6	53.7	YES
55-002(c)		Container storage area	TA-55 Plutonium Facility	76/ 7		NO
55-009		Concrete enclosure	TA-55 Plutonium Facility	76/ 7	10.6	NO
60-001(a)		Storage area (active)	TA-60 Motorpool			NO
C-03-006		One-time spill	Sigma Complex			NO
C-03-014		Storage area	Sigma Complex		22.3	NO
C-14-008		Building	DX - Non-HSWA		8.8	NO
C-15-011		Former underground tank	DX - Non-HSWA		10.6	NO

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Appendix 4.
SWPPP Supporting Forms

Appendix 4
SWPPP Supporting Forms

Blank copies of the following forms are provided in this appendix:

- Surface Water Site Assessment forms for Part A and Part B
- Site-Specific SWPPP Form
- Surface Water Sampling Field Sheet
- Inspection and Maintenance Form
- Comprehensive Site Compliance Evaluation Reports

Constituent Assessment (Part A)

Site Information

1. PRS Number: _____ 2. Date/Time: _____

3. RRES-RS Point of Contact: _____ 4. FMU/Point of Contact: _____ / _____

5. Description of the historical operations of this PRS:

6. Description of the current operations of this PRS (if any):

PRS Status

7. Action/Status to Date (check all that apply) Date Completed or Anticipated

θ None

Field Investigation θ Phase I θ Phase II ..... _____

Interim Measures θ IM θ BMPs ..... _____

Accelerated Cleanup θVCA θ VCM ..... _____

Other θ Monitoring θ CMs ..... _____

Report Status θ RFI Report θ SAP ..... _____

θ NFA/DOU — If checked, supply criteria number(s): _____

Comments:

Sample Information

Y N

θ θ 8. Have surface/sediment (depth less than 12 in.) samples been collected that reflect current site conditions?

If yes: 1) Attach data.
2) Include analyte name, value, units, location ID, sample ID, SAL, depth, and media (soil, tuff, etc.).
3) Please attach existing map that shows where samples were taken, if available.

θ θ 9. Have surface water samples been collected that reflect site conditions?

If yes: 1) Attach data.
2) Include analyte name, value, units, location ID, filtered/nonfiltered, and flow data (if available).
3) Please attach existing map that shows where samples were taken, if available.

θ θ 10. Is data pending? If yes: 1) List date data are anticipated: _____
2) Provide a list of COPCs identified in RFI Work Plan as an attachment.

11. RRES-WQH Representative: _____
(Print name and title, then sign)

RRES-RS-SOP-2.01, R0 | Los Alamos Environmental Restoration Project

Los Alamos National Laboratory

Page: 1 of 3

Surface Water Site Assessment Form

White-background items must always be filled in if site is found. Gray-background items are optional under certain conditions. Gray-background items labeled "(Opt)" are always optional.

Site Information

Site ID	PRS ID (If Site is PRS)	Nearest Struct (TA-Bldg)
		-

Setting

Topography (Check all that apply)

☐ On Mesa Top ☐ On Bench in Canyon ☐ On Canyon Floor, Not in Channel ☐ In Channel in Canyon Floor

Topography Explanation

Ground/Canopy Cover -- Leaves, Needles, Rocks, Vegetation, Trees, Structures, Asphalt, etc. (Check all that apply)

☐ Sparse (<25%) ☐ Medium (25-75%) ☐ Thick (>75%)

Ground/Canopy Cover Explanation

Slope at Area Impacted (Check all that apply)

☐ Flat (<10%) ☐ Gradual (10-30%) ☐ Steep(>30%)

Slope Explanation

Run-off

Is There Visible Evidence of Run-off Discharging from Site?

☐ Yes ☐ No

(If "No" visible evidence, skip to Run-On section)

Is Run-off Channelized? (Skip if "No" above)	Channel Type (Check just one. Skip if "No" above or at left)
☐ Yes ☐ No	☐ Man-Made ☐ Natural

Channelization Explanation (Entry required if Run-off Channelized = "Yes")

Where Does Evidence of Run-off Terminate? (Check just one. Skip if Visible Evidence of Run-off = "No")

☐ Drainage/Canyon ☐ On Bench in Canyon ☐ Other (i.e., Retention Pond, Meadow, Mesa Top)

Terminus Explanation (Entry required if Visible Evidence of Run-off = "Yes")

RRES-RS-SOP-2.01, R1	Los Alamos Risk Reduction & Environmental Stewardship-Remediation Services Project

Site Description

Site ID	**Erosion Matrix Score**
Site Name	**Site Category**
Site Map Number	**Site Subcategory**
Watershed	**BMPs Installed (Y/N)**
Sub-Watershed	
Canyon	
TA	

Description

Assigned SMA(s)
Monitoring Year Start
Monitoring Status
Status Date
Co-located with conventional industrial activity?
If yes, specify:

Site AA	**Consolidated Unit ID**
Site Status	**Consolidated Unit AA**
Active/Inactive?	**Consolidated Unit Status**
RS Remedial Action?	
D&D Action?	
Non-RS Remedial Action?	

Pollution Prevention Team

Member/Organization	Function	Phone	E-Mail

Summary of Potential Pollutant Sources

Surface Soil/Sediment Sample Data
Constituents Present above Background and/or Fallout Values

Surface soil sample data available?

Inorganics	Organics	Radionuclides

Exposure Activities / Sources in Area

Significant Spills and Leaks

Occurrence Date	Type of Release	Description

Non-Storm Water Discharges

Storm Water Runoff Sampling Data

Site-Specific Monitoring Results

Site-specific storm water runoff data available?

Constituents Present above wSAL and/or DCG Values

Inorganics	Organics	Radionuclides

Watershed Monitoring Results

Nearest Downstream Gage Station
FFCA Monitoring Suites
Watershed storm water runoff data available?

Constituents Present above wSAL and/or DCG Values

Inorganics	Organics	Radionuclides

Storm Water Controls

BMPs - Non-Structural Controls

Refer to Section 4.X of *LANL Storm Water Pollution Prevention Plan for SWMUs and AOCs (Sites), Revision 0*

BMPs - Structural Controls

Pre-FFCA SWAT Evaluation? **Date Evaluated**

BMP Type	BMP Purpose	Description	Date Installed	Status

Documentation of Permit Eligibility Related to Endangered Species

Refer to Appendix X of *LANL Storm Water Pollution Prevention Plan for SWMUs and AOCs (Sites), Revision 0*

Documentation of Permit Eligibility Related to Historic Places

Refer to Appendix X of *LANL Storm Water Pollution Prevention Plan for SWMUs and AOCs (Sites), Revision 0*

Comprehensive Site Compliance Evaluation

(Inspections in last 5 years only)

Inspection Type	Inspection Date	Finding	Work Required	Work Completed

(INTENTIONALLY LEFT BLANK)

Los Alamos National Laboratory
Water Quality and Hydrology Group (RRES-WQH)
Surface Water Sampling Field Sheet

①

(RRES-WQH-HCP-009.1, Attachment 3)

Station Name:	**Mean Time:** **Date:**
Station Number:	**Analytical Request Record No.:**
Sampled By: _____	**Sample Purpose:** Baseflow Surveillance Storm Water Storm Water Permit Outfall Permit Other:

②

Req	*Parameter*	Bottle	Preserv.	Coll
	Rad (tot)	P, 2-1 gallon	HNO_3 pH<2	
	Rad (tot) 3H	G, 1-250 ml amb	None	
	Rad (filter)	P, 2-1 gal	HNO_3 pH<2	
	Metals (tot)	P, 1-1 liter	HNO_3 pH<2	
	Metals (tot) Hg	G, 1-250 ml amb	HNO_3 pH<2	
	Metals (filter) Hg	G, 1-250 ml amb	HNO_3 pH<2	
	Metals (filter)	P, 1-1 liter	HNO_3 pH<2	
	Gen Inorg (tot)	P, 1-1 liter	Cool 4°C	
	Gen Inorg CN	P, 1-250 ml	NaOH pH>12	
	Gen Inorg (tot)	P, 1-1 liter	Cool 4°C, H_2SO_4	
	Gen Inorg (filter)	P, 1-1 liter	Cool 4°C	
	Perchlorate (tot)	P, 1-250 ml	None	
	PCB (tot)	G, 1-1 liter amb	Cool 4°C	
	SVOA (tot)	G, 1-1 liter amb	Cool 4°C	
	HE (tot)	G, 1-1 liter amb	Cool 4°C	
	Diox/Furans (tot)	G, 1-1 liter amb	Cool 4°C	
	VOA (tot)	G, 2-40 ml amb	Cool 4°C, HCl	
	Toxicity	P, 1-1 gallon	Cool 4°C	
	FLOOD			
	Grab (Inorg)	P, 7-1 gallon	Cool 4°C	
	Grab (organ)	G, 3-2 liter amb	Cool 4°C	
	Grab (organ)	G, 2-40 ml amb	Cool 4°C, HCl	
		See Comments below		

QA SAMPLES							
Req		DI	Lab	Site	Bottle	Preserv	Col
	Field Blank				As specified above		
	Trip Blank				G, 2-40ml amb	4°C HCl	
	Matrix				G, 4-2 l amb	Cool 4°C	
	Matrix				P, 4-1 gal	Cool 4°C	
	Field Dupl.				As specified above		
	Equipment				As specified above		

③

FIELD MEASUREMENTS	
Q. Inst.: cfs meas. rating Est.	**Gage Ht.:** ft.
Staff:	**HWM:**
Peak Discharge:	**Other:**
pH: S.U.	**Water Temp.:** **C°**

SAMPLING CONDITIONS

(Circle all that apply)

Location:	wading bank station gage: at above below bridge: upstr., down str., side bridge ft mile, boat, ice, other (specify):
Sampling Site:	pool riffle open channel braided backwater sampler type:
Bottom:	bedrock rock cobble gravel sand mud concrete other (specify):
Stage Conditions:	Not determined Stable: normal low high Falling Rising Peak Other (specify:)
Hydraulic Event:	Routine Sampling Regular Flow Snowmelt Flood Drought Spill Ice cover: thickness inches Other (specify:)
Stream Color(s):	brown clear green blue gray other:
Weather:	Clear Partly cloudy Cloudy Hot Warm Cold Snow Rain: Light Medium Heavy Over Calm Light Breeze Windy Very Gusty
Stream Mixing:	Excellent Good Fair Poor

Visual Observations

Inspection Completed from sample within first half hour of flow:	Yes No

Reason if not within first half hour: _____

_____

Provide Description

Odor:	Color:
Clarity:	Floating Solids
Settled Solids:	Suspended Solids:
Foam:	Oil Sheen:

Other indicators of possible storm water pollution: _____

_____

_____

Other Observations: _____

_____

_____

_____

_____

Los Alamos National Laboratory
Water Quality and Hydrology Group (RRES-WQH)
Surface Water Sampling Field Sheet

④

(RRES-WQH-HCP-009.1, Attachment 3)

pH Meter Calibration/Measurement

Temperature	Thermometer Checked w/ASTM within ± 0.5^{0}C?	Yes	No	Date:	

Meter Make/Model:	Meter No.
Electrode No.:	Electrode Type:

pH Buffer	PH buffer Temp ^{0}C	Initial Reading	Standardized Reading	Remarks	Unfiltered sample ☐ Filtered sample ☐
___ . ____ ____					Auto temp compensated used: Yes No
___ . ____ ____					Temp correction applied to buffers: Yes No
___ . ____ ____					Stirrer Used? ☐ Yes ☐ No
___ . ____ ____					Magnetic or Manual

pH subsample from or pH measurement location :	Churn Sample bottle Single point at _____ station _____depth vertical avg. of _____ points

Sample Temp:	^{0}C	**Field pH:**	; ; ;	**Use:**	

Specific Conductance Meter Calibration/Measurement

Meter Make/Model:	Meter No.
Electrode No.:	

Standard Value	Standard Temp ^{0}C	Initial Reading	Adjusted Reading	Remarks	Correction Factor Applied? Yes No
					☐ Auto temp compensated meter
					☐ Manual temp compensated meter

SC subsample from or SC measurement location :	Churn Sample bottle Single point at _____ station _____depth vertical avg. of _____ points

Field Conductance:	; ; ;	**Use:**	

Turbidity Meter Calibration/Measurement

Meter Make/Model:	Meter No.
Turbidity measurement location or Turbidity subsample from:	Churn Sample bottle Single point at _____ station _____depth vertical avg. of _____points
Calibration Date:	

Field Turbidity :	; ; ;	**Use:**	

Sample Preservative Information

Nitric Acid –	Lot #		**Sulfuric Acid –**	Lot #		**Hydrochloric Acid (VOA)**	
Nitric Acid –	Lot #		**Sulfuric Acid –**	Lot #		Lot #	
Nitric Acid –	Lot #		**Sodium Hydroxide –**	Lot #			

Calibration Remarks: _____

Los Alamos National Laboratory
Water Quality and Hydrology Group (RRES-WQH)
Surface Water Sampling Field Sheet

(RRES-WQH-HCP-009.1, Attachment 3)

⑤ Sample Identification Labels and Bar Codes		

ADDITIONAL OBSERVATIONS AND FIELD NOTES/SKETCHES

Los Alamos National Laboratory
Water Quality and Hydrology Group (RRES-WQH)
Surface Water Sampling Field Sheet

(RRES-WQH-HCP-009.1, Attachment 3)

⑥

Station Number:	Station Name:	Analytical Request Record Number:

Automated Sampler			
BOTTLE #	**Date**	**Time**	**Comments** (bottle type, volume, readings)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

Automated Sampler			
BOTTLE #	**Date**	**Time**	**Comments** (bottle type, volume, readings)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

Sampling event checked/reviewed by: Name and Initials		Date:

Relinquished By: Signature	Date	Time		Received By Signature	Date	Time

Los Alamos National Laboratory
Water Quality and Hydrology Group (RRES-WQH)
Surface Water Sampling Field Sheet

(RRES-WQH-HCP-009.1, Attachment 3)

Guidance for completing the form.

Print clearly -

1. **General information** -

Station Name: Formal name of location where sample is collected. Ex: Los Alamos Below Ice Rink.

Station Number: E name, location of sample collected. Ex: E026

Sampled By: Person/persons collecting or retrieving samples

Mean Time: Total time spent retrieving samples divided by one-half. Not real time, initial arrival at station. This should be Mountain Standard Time.

Date: The month, day, year of personal retrieval of samples

Analytical Request Record No: Number assigned to the set of samples. Assigned after retrieval.

Sample Purpose: Circle the reason for the sample

2. **Sampling Reference Table**

Req, Parameter, Bottle, Preserv, Coll.: A reference table for samples

3. **Field measurements and conditions** -

Field measurements -

Q. Inst.: Discharge, volume rate of flow, in units. How many cfs (cubic feet per second), actual measurement, rating, or estimation

Gage Ht: Point at which the water surface elevation is based on numbered gage staff. (unit = feet)

Staff: A reference point to measure gage height.

HWM: High water mark, the highest point the level of water flow. Usually seen as piled debris.

Peak Discharge: Largest volume of water flowing through sample site during a flow period.

pH: Hydrogen ion content. Water need in order to take measurement

Water Temp: Measurement of the temperature of the water. Water needed in order to take measurement. Measurement should be taken during the time of sample take.

Sample conditions -

Location: Type of area at which sample was taken. Ex: station gage, bank, boat.

Sampling Site: Type of area containing water. Ex: pool, riffle, open channel. An open channel consists of an uncontrolled waterway by artificial devices.

Sampler type: ie, ISCO, grab

Bottom: The sediment mixture of which a streambed, lake, pond, reservoir or estuary bottom is composed. Ex: rock, sand, concrete, etc.

Stage Conditions: Condition of water in the channel. Ex: rising, falling, stable, etc.

Hydraulic Event: Type of event. Ex: flood, snowmelt, routine sampling, etc.

Stream Color(s): Type or clarity of water being sampled. Ex: clear, brown, etc.

Weather: Conditions of external environment

Stream Mixing: Quality of suspended particles within the water. Good, Fair, Poor.

Visual observations – Requirement of the NPDES Storm Water Permit

Inspection Completed from sample with first half hour of flow: From start of flow a half hour pasted (yes/no)

Reason if not within first half hour: State reason as to why the sample was not taken. Ex: after work hours.

Provide description -

Odor: Can a smell be detected? If yes, describe.

Clarity: Transparency of the water.

Settled Solids: Amount of sediment collected at the bottom of sampled liquid. (unit = mm/inches)

Foam: Collection of froth, bubbles, etc. if any.

Color: Ex: brown, clear, gray, etc.

Floating Solids: Anything floating on the surface of the sample. Ex: debris, pine needles, etc.

Suspended Solids: Anything floating within the sample. Ex: debris.

Oil Sheen: The presence of oil within or upon the surface of the sample. Appears as a rainbow of colors, prismatic.

Other indicators of possible storm water pollution: Any other description of the sample not covered by the above categories.

Other Observations: Fill in as necessary to other conditions, concerns about the sample.

4. Calibration/Measurements – Original calibration conducted prior to leaving for the field. This is for field calibration.

pH Meter calibration

Temperature: Temperature at which the pH meter was calibrated. Use the Automated Temperature Compensations (ATC) provide by the meter.

Thermometer Checked with a certified thermometer? Yes/ No circle one. Provide a check with a certified thermometer routinely and provide reference number.

Meter Make/Model: Brand and model number of the meter used

Meter No.: Individual number of the meter. Ex: esh-1 or RRES-WQH1

Electrode No.: If applicable, electrode may not have number, no place for label.

Electrode Type: Make or kind of electrode. Ex: Beckman

pH Buffer: Level of buffer used to calibrate the meter. Ex: 4, 7, 10

pH Buffer Temp C: Temperature of the buffer in degrees Celsius.

pH Measurement

Initial Reading: First reading of the liquid before standardization.

Standardized Reading: Reading after the meter has calibrated to the buffer.

Unfiltered/Filtered Sample: Pertains to the sample collected in the field. Check Yes or No.

pH subsample from or pH measurement location: Where was the sample taken from the channel - directly or from liquid sampled automatically? EX: ISCO sampler. Most samples are taken at a single point. Use station name or station number. Note depth and number of average samples points. Ex: E# (stormwater), S# (sediment) etc.

Sample Temp: Temperature of the sample used for pH parameters, in Celsius.

Field pH: pH of the field sample. Space is provided for four different samples.

Use: Indicates which pH value reading to be recorded.

Specific conductance meter calibration/measurement

Meter Make/Model: Brand and model number of the meter used.

Meter No: Individual number of the meter. Ex: esh-1 or RRES-WQH1

Electrode No: If applicable, note individual number of electrode.

Standard Value: Value of the standard used.

Standard Temp: Temperature at which calibration took place in degrees Celsius.

Initial Reading: Reading before standardization of meter.

Adjusted Reading: Reading after standardization of meter.

Correction Factor Applied: Yes/No

SC subsample from or SC measurement location: Where the sample was taken, channel directly. Most samples are taken at a single point ie: station E# note dept and number of average samples points.

Field Conductance: evel of conductance of the field sample.

Use: Indicates which value to be recorded.

Turbidity meter calibration

Meter Make/Model: Brand and model number of the meter used.

Meter No: Individual number of the meter.

Turbidity measurement location or Turbidity subsample from: Location of the sample used to determine the turbidity - the channel directly or from an individual sample. Most samples are taken at a single point us E# (station). Note depth and number of average sample points. Single point is synonymous with a grab sample.

Field Turbidity: Value of the field sample.

Use: Indicates which value to be recorded.

Sample preservation information

Nitric Acid: Provide amount used and Lot#.

Sulfuric Acid: Provide amount used and Lot#.

Sodium Hydroxide: Provide amount used and Lot#.

Hydrochloric Acid (VOA): Provide the lot #, 40ml VOAs purchased prepreserved. Note: the preservatives are specified on the sample request/COC forms.

Calibration Remarks: Provide date meters calibrated and where calibration information is. Note anything pertain to the calibration or parameters taken.

5. Sample Identification Labels and Bar Codes - Attached any sample labels for field notebook here.

Additional Observations and Field Notes/Sketches - Provide any sketches or diagrams of the location. Indicate if any photographs were taken and note other observations if necessary.

6. Sample Retrieval

Automated Sampler: Ex: ISCO sampler

Bottle #: Corresponds to bottle number with in the ISCO sampler.

Date: Month, day, year the sample was collected by the ISCO sampler; not the person retrieving the bottles. This information may be retrieved from the ISCO sampler.

Time: Hour and minutes the sample was collected by the ISCO sampler. This information may be retrieved from the ISCO sampler. Time is Mountain Standard Time.

Comments: Note the type of bottle the sample was collected with in (ex: poly, amber glass, or clear glass). Volume: 500 ml, 1 L, 250ml, etc. Include readings and any miscellaneous notes.

Sampling event checked/reviewed by: Checked by someone other than the person who collected and completed sheet. Sheet is checked for quality and correctness. Corrected for Mountain Standard Time, etc.

Relinquished By: Refers to the person in possession of the samples maintaining chain-of-custody

Received By: Refers to the person taking possession of the samples from the relinquished person, while maintaining chain-of-custody. Ex: the collector gives samples to SMO.

(INTENTIONALLY LEFT BLANK)

BMP Inspection and Maintenance Form

Site or Project Name:_____

Inspector:_____ Date: _____

_____ Days since last rainfall, on _____ Amount of last rainfall _____ (Inches)

Circle one: Site rain guage Metrological Tower _____

Complete the table below with the applicable YES, NO, or N/A.

List BMP type and location	BMP Installed Correctly	Evidence of -	Storm Water Runoff	Sediment transport	Erosion	Has damage occurred since the last inspection?	Is maintenance required?	Is there accumulated sediment?	Does accumulated sediment require removal?	Is there evidence of other potential pollutant sources?	Comments
1)											
2)											
3)											
4)											
5)											

* All Observations from the table need to be explained below:

Observations: _____

Maintenance Required: _____

Inspector's Signature: _____ Date:_____

(INTENTIONALLY LEFT BLANK)

COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORT

Name of Facility: _____ **Date of Inspection:** _____

Describe Specific Evaluation Location (if only evaluating part of the facility)**:** _____

_____

Frequency of Inspection:

❒ Monthly ❒ Quarterly ❒ Semi-Annual ☒ Annual ❒ Other

Name of Inspector(s): _____

_____

Inspector Qualifications: _____

_____

Scope:

This comprehensive site compliance evaluation shall include the inspection of all areas where industrial materials or activities are exposed to storm water, areas where spills and leaks have occurred within the past 3 years, and areas where storm water discharges have the potential to impact down gradient activities such as critical habitat and National Historic Preservation sites. Such inspections include, but are not limited to, identification of:

I. Industrial material, residues, or trash on the ground that could contaminate or be washed away in storm water
II. Leaks or spills
III. Off-site vehicle tracking
IV. Migration of raw, final, or waste material to areas exposed to storm water
V. Evidence of, or the potential for, pollutants entering the facility's storm drain system
VI. Effectiveness of storm water management measures and other BMPs identified in the plan

In addition, the completeness and implementation of the SWPP Plan shall also be evaluated.

Major Observations: _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Follow-up Actions Required: _____

_____

_____

_____

_____

Incidents of Non-compliance: _____

_____

_____

_____

_____

_____

_____

Noteworthy Accomplishments: _____

_____

_____

_____

_____

_____

Comments: _____

_____

_____

_____

_____

_____

Following the completion of the inspection, answer the following questions with Yes/No:

_____ Must the SWPPP be updated?

_____ Are New BMPs or Modifications of BMPs Required?

_____ Is a report for follow-up action required?

COMPREHENSIVE SITE COMPLIANCE EVALUATION

Certification Statement

Based on compliance of the site, decide which of the following two paragraphs must be used. The final paragraph on this page (the certification paragraph) must be used in both cases. Once complete, delete the unused paragraph and the instructions from this page.

This facility,_____, was inspected on ,_____,
and there were no observed incidents of non-compliance with the Storm Water Pollution Prevention Plan. I am certifying that this facility is in compliance with its Storm Water Pollution Prevention Plan and the General Permit.

OR

This facility,_____, was inspected on ,_____,
and there were observed incidents of non-compliance with the Storm Water Pollution Prevention Plan as described above under "Incidents of Non-compliance". These incidences must be corrected before the next anticipated storm event, if practicable, but not more than twelve (12) weeks after the date of this inspection.

AND

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

Name: _____

Title: _____

Signature: _____ Date: _____

COMPREHENSIVE SITE COMPLIANCE EVALUATION
CHECKLIST OF
AREAS REQUIRED TO BE EVALUATED

Please use the enclosed list to ensure that each area is thoroughly inspected. Place a checkmark in each box as the corresponding topic is observed. Record major observations related to the implementation of the SWPP Plan, actions taken, incidents of non-compliance, and noteworthy accomplishments in their appropriate places above. Throughout the evaluation, consider the results of both visual and analytical monitoring done during the year.

SWPP PLAN EVALUATION

Ensure that all necessary procedures are described in the SWPP. Evaluate the effectiveness of existing programs or procedures to reduce pollutant loadings into storm water discharges, ensure these programs and procedures are implemented correctly, and determine whether additional programs or procedures are needed. The following programs should be evaluated:

Good Housekeeping

❒ Check that plan describes good housekeeping procedures (storage practices, material inventory, routine area cleanup, organized work areas, operation/maintenance of equipment, and routine inspections for leaks and the condition of storage containers)

Preventive Maintenance

❒ Check that there is an active preventive maintenance program to comply with the SWPPP
❒ Make sure that the current PM program includes periodic inspections and testing, as well as records of inspections and of maintenance on equipment and systems

Visual and Analytical Monitoring

❒ Ensure that there is an existing quarterly storm water visual inspection program
❒ Ensure that there is an existing annual non-storm water visual inspection program
❒ Check that inspections are documented in the SWPPP
❒ Check that there are follow-up procedures

Employee Training

❒ Check that training is provided on spill response, good housekeeping, material management, preventive maintenance, and components and goals of the SWPPP
❒ Make sure there is a schedule for periodic training

Review and Revisions

- ❒ Check for procedures describing the review and revision of the Plan
- ❒ Check that Pollution Prevention Team Members are current
- ❒ Ensure that the description of potential pollutant sources is still accurate
- ❒ Make sure that the spills table has been updated
- ❒ Check that the site maps are current
- ❒ Check that the plan is certified by the person designated in the signatory letter
- ❒ Review the plan to see that it has been revised to reflect the October 2000 permit. Make sure that it includes a copy of the regulations and a new permit number. (This is a one-time check.)

SITE EVALUATION

Observe structural control measures, erosion control measures and/or other pollution prevention measures identified in the Plan to ensure that they are adequate and functioning correctly. Also look for general cleanliness and evidence of spills, leaks, tracking of materials, and potential pollutants. The following programs should be evaluated:

I. Storage and handling of industrial material, residues, and trash

- ❒ Check that all trash containers, storage areas, and loading docks are orderly and are regularly cleaned
- ❒ Check that there are no industrial materials, residue, or trash on the ground that could contaminate storm water
- ❒ Note that all other areas are clean and orderly

II. Leaks or Spills

- ❒ Look for new spills or leaks since the last inspection. Pay close attention to industrial equipment; drums, barrels, tanks and other similar containers; chemicals usage locations and any other susceptible locations
- ❒ Look for new high-risk areas
- ❒ Look for new non-storm water discharges

III. Vehicle Tracking

- ❒ Look for evidence of offsite tracking of industrial materials or sediment where vehicles enter or exit the site

IV. Migration of Raw, Final, or Waste Material

- ❒ Look for areas where raw, final, or waste material has been blown, tracked, or carried from areas of no exposure to areas exposed to storm water

V. Evidence of, or the Potential for, Pollutants Entering the Drainage System

Look for pollutants and potential pollutants in new areas, materials or physical features including

- ❒ Loading/unloading areas
- ❒ Outdoor storage
- ❒ Outdoor manufacturing or processing
- ❒ Dust or particulate generating processes
- ❒ On-site waste disposal activities
- ❒ Transportation or conveyance activities
- ❒ SWMUs
- ❒ Other areas, please describe: _____

VI. Storm Water Management Measures

- ❒ Look for new areas of erosion or the potential for erosion
- ❒ Make sure erosion controls are provided for storm water and other discharges
- ❒ See that runoff control structures are in place
- ❒ Ensure that vegetated areas are maintained
- ❒ Inspect discharge points, where accessible, to see whether BMPs are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, inspect downstream locations.
- ❒ Note locations of BMPs that require maintenance or have proven inadequate. Also note any locations where additional BMPs are needed.
- ❒ Look for areas where storm water discharges have the potential to impact down gradient activities such as critical habitat and National Historic Preservation sites
- ❒ Note any other observations about storm water management and sediment and erosion control

Appendix 5.
Sites with Low Potential (<40) to Impact Surface Water Quality

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Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
01-002(a)-00	Septic tank				Los Alamos/Pueblo	Pueblo
16-017(g)-99	Former HE structure				Water/Canon de Valle	Canon de Valle
00-001	Sediment traps in Mortandad Canyon			22.6	Mortandad	Middle Mortandad/Ten-Site
00-004	Container storage, 6th Street Warehouses (inactive)	00-030(b)-00	Former structures, 6th Street warehouse	10.6	Los Alamos/Pueblo	Middle Los Alamos
00-011(a)	Mortar impact area			10.5	Los Alamos/Pueblo	Rendija/Barrancas/Guaje
00-011(c)	Mortar impact area			36.8	Los Alamos/Pueblo	Rendija/Barrancas/Guaje
00-011(e)	Mortar impact area			10.5	Los Alamos/Pueblo	Rendija/Barrancas/Guaje
00-015	Firing range, Rendija Canyon			39.5	Los Alamos/Pueblo	Rendija/Barrancas/Guaje
00-018(b)	Sludge-bed wastewater treatment plant				Los Alamos/Pueblo	Pueblo
00-027	Storage area, DP Road				Los Alamos/Pueblo	Middle Los Alamos
00-030(a)	Septic system, DP Road			8.8	Los Alamos/Pueblo	Middle Los Alamos
00-030(b)	Septic system 6th Street (inactive)	00-030(b)-00	Former structures, 6th Street warehouse	17.5	Los Alamos/Pueblo	Middle Los Alamos
00-030(d)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(eN)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(eS)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(f)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(h)	Septic system (near new Catholic Church)				Los Alamos/Pueblo	Pueblo
00-030(j)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(l)	Septic system, 6th Street warehouses (inactive)	00-030(b)-00	Former structures, 6th Street warehouse	22.3	Los Alamos/Pueblo	Middle Los Alamos
00-030(m)	Septic system, 6th Street warehouses (inactive)	00-030(b)-00	Former structures, 6th Street warehouse	17.5	Los Alamos/Pueblo	Middle Los Alamos
00-030(n)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(o)	Septic system				Los Alamos/Pueblo	Pueblo
00-030(p)	Septic system			3.6	Los Alamos/Pueblo	Pueblo
00-031(b)	Soil contamination beneath former motorpool (two USTs)				Los Alamos/Pueblo	Upper Los Alamos
00-033(a)	Former UST, 6th Street Warehouses			3.6	Los Alamos/Pueblo	Middle Los Alamos
00-033(b)	Outlet piping, 6th Street warehouse	00-030(b)-00	Former structures, 6th Street warehouse	10.6	Los Alamos/Pueblo	Middle Los Alamos
00-039	Underground tanks			10.6	Los Alamos/Pueblo	Pueblo
01-001(a)	Septic Tank 134	01-001(a)-99	Miscellaneous - TA-01	27.5	Los Alamos/Pueblo	Upper Los Alamos
01-001(b)	Septic Tank 135	01-001(a)-99	Miscellaneous - TA-01	30.5	Los Alamos/Pueblo	Upper Los Alamos
01-001(e)	Septic Tank 139	01-001(a)-99	Miscellaneous - TA-01	10.6	Los Alamos/Pueblo	Upper Los Alamos

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
01-001(g)	Septic Tank 141	01-001(a)-99	Miscellaneous - TA-01	20.5	Los Alamos/Pueblo	Upper Los Alamos
01-001(o)	Industrial or sanitary wastewater treatment	01-001(a)-99	Miscellaneous - TA-01	15.8	Los Alamos/Pueblo	Upper Los Alamos
01-001(s)	Septic system waste line	01-001(a)-99	Miscellaneous - TA-01	3.6	Los Alamos/Pueblo	Upper Los Alamos
01-001(t)	Septic system	01-001(a)-99	Miscellaneous - TA-01	3.6	Los Alamos/Pueblo	Upper Los Alamos
01-001(u)	Septic system waste line	01-001(a)-99	Miscellaneous - TA-01	15.8	Los Alamos/Pueblo	Upper Los Alamos
01-003(b)	Surface disposal site	01-001(a)-99	Miscellaneous - TA-01		Los Alamos/Pueblo	Upper Los Alamos
01-006(a)	Drainlines and outfall	01-001(a)-99	Miscellaneous - TA-01	20.5	Los Alamos/Pueblo	Upper Los Alamos
01-006(e)	Drainlines and outfall	01-001(a)-99	Miscellaneous - TA-01	20.5	Los Alamos/Pueblo	Upper Los Alamos
01-006(g)	Drainlines and outfall	01-001(a)-99	Miscellaneous - TA-01	20.5	Los Alamos/Pueblo	Upper Los Alamos
01-006(h)	Drainlines and outfall	01-001(a)-99	Miscellaneous - TA-01	20.5	Los Alamos/Pueblo	Upper Los Alamos
01-006(o)	Storm drain system	01-001(a)-99	Miscellaneous - TA-01	20.5	Los Alamos/Pueblo	Upper Los Alamos
01-007(a)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	3.6	Los Alamos/Pueblo	Upper Los Alamos
01-007(b)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	3.6	Los Alamos/Pueblo	Upper Los Alamos
01-007(c)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	3.6	Los Alamos/Pueblo	Upper Los Alamos
01-007(d)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	10.6	Los Alamos/Pueblo	Upper Los Alamos
01-007(e)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	15.8	Los Alamos/Pueblo	Upper Los Alamos
01-007(j)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	8.8	Los Alamos/Pueblo	Upper Los Alamos
01-007(l)	Soil contamination area	01-001(a)-99	Miscellaneous - TA-01	3.6	Los Alamos/Pueblo	Upper Los Alamos
02-003(b)	Condensate trap			39.5	Los Alamos/Pueblo	Middle Los Alamos
02-003(c)	Delay system				Los Alamos/Pueblo	Middle Los Alamos
02-003(d)	Gaseous effluent line			27.8	Los Alamos/Pueblo	Middle Los Alamos
02-004(a)	Omega West Reactor facility				Los Alamos/Pueblo	Middle Los Alamos
02-004(b)	Reactor facility effluent storage tank				Los Alamos/Pueblo	Middle Los Alamos
02-004(c)	Reactor facility effluent storage tank			39.5	Los Alamos/Pueblo	Middle Los Alamos
02-004(d)	Reactor facility effluent storage tank				Los Alamos/Pueblo	Middle Los Alamos
02-004(e)	Reactor facility acid pit				Los Alamos/Pueblo	Middle Los Alamos
02-004(f)	Reactor facility equipment building				Los Alamos/Pueblo	Middle Los Alamos
02-004(g)	Aboveground tank				Los Alamos/Pueblo	Middle Los Alamos
02-005	Drift loss, cooling tower blowdown			19.6	Los Alamos/Pueblo	Middle Los Alamos
02-006(a)	French drain			15.3	Los Alamos/Pueblo	Middle Los Alamos
02-006(c)	Drainline			15.6	Los Alamos/Pueblo	Middle Los Alamos
02-006(d)	Drainline			15.6	Los Alamos/Pueblo	Middle Los Alamos
02-006(e)	Sump			15.6	Los Alamos/Pueblo	Middle Los Alamos
02-008(c)	Outfall			20.8	Los Alamos/Pueblo	Middle Los Alamos

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
02-009(d)	Non-intentional release			20.8	Los Alamos/Pueblo	Middle Los Alamos
02-009(e)	Non-intentional release [Duplicate of 02-009(c)]				Los Alamos/Pueblo	Middle Los Alamos
02-010	Former building location			15.6	Los Alamos/Pueblo	Middle Los Alamos
02-011(b)	Former drains and outfalls			22.6	Los Alamos/Pueblo	Middle Los Alamos
02-011(c)	Storm drain			20.8	Los Alamos/Pueblo	Middle Los Alamos
02-011(d)	Former NPDES-permitted outfall			20.8	Los Alamos/Pueblo	Middle Los Alamos
02-011(e)	Former NPDES-permitted outfall [duplicate of 02-008(a)]			31.8	Los Alamos/Pueblo	Middle Los Alamos
02-012	Former underground tanks				Los Alamos/Pueblo	Middle Los Alamos
03-001(e)	Less-than-90-day storage				Pajarito	Twomile
03-001(i)	Satellite accumulation area				Sandia	Upper Sandia
03-001(k)	Less-than-90-day-storage area			10.6	Pajarito	Twomile
03-002(c)	Storage area			15.3	Sandia	Upper Sandia
03-003(a)	Storage area			25.1	Pajarito	Twomile
03-003(b)	Storage area			22.3	Pajarito	Twomile
03-003(c)	Equipment storage area - PCB only site			3.6	Sandia	Upper Sandia
03-003(l)	Storage area				Pajarito	Twomile
03-003(n)	Storage area - PCB only site	03-059-00	Storage area		Sandia	Upper Sandia
03-003(p)	Storage area			21	Pajarito	Twomile
03-004(c)	Storage area			3.6	Mortandad	Upper Mortandad
03-004(d)	Storage area			15.8	Mortandad	Upper Mortandad
03-007	Firing site			8.8	Mortandad	Upper Mortandad
03-009(i)	Surface disposal site			26.7	Sandia	Upper Sandia
03-009(j)	Surface disposal site			3.6	Los Alamos/Pueblo	Upper Los Alamos
03-011	Systematic product release			38.6	Pajarito	Twomile
03-013(i)	Operational release				Sandia	Upper Sandia
03-014(a)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(a2)	Wastewater treatment facility				Pajarito	Twomile
03-014(b)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(c)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	3.6	Sandia	Upper Sandia
03-014(d)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(e)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	3.6	Sandia	Upper Sandia
03-014(f)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(g)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	3.6	Sandia	Upper Sandia

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
03-014(h)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	3.6	Sandia	Upper Sandia
03-014(i)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	3.6	Sandia	Upper Sandia
03-014(j)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	21	Sandia	Upper Sandia
03-014(k)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(l)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(m)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(n)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-014(o)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	11.8	Sandia	Upper Sandia
03-014(p)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	3.6	Sandia	Upper Sandia
03-014(q)	Wastewater treatment facility	03-012(b)-00	Miscellaneous - TA-03 power plant	14	Sandia	Upper Sandia
03-014(r)	Wastewater treatment facility			20.5	Sandia	Upper Sandia
03-014(s)	Wastewater treatment facility			8.8	Sandia	Upper Sandia
03-014(t)	Wastewater treatment facility			3.6	Pajarito	Twomile
03-014(u)	Wastewater treatment facility	03-014(a)-99	Wastewater treatment plant	30.5	Sandia	Upper Sandia
03-014(v)	Wastewater treatment facility				Sandia	Upper Sandia
03-014(w)	Wastewater treatment facility				Mortandad	Upper Mortandad
03-014(x)	Wastewater treatment facility				Mortandad	Upper Mortandad
03-014(y)	Wastewater treatment facility				Sandia	Upper Sandia
03-014(z)	Wastewater treatment facility				Pajarito	Twomile
03-015	Outfall	03-015-00	Drainlines and outfall	3.6	Sandia	Upper Sandia
03-021	Surface disposal site			39.8	Sandia	Upper Sandia
03-022	Sump			8.8	Pajarito	Twomile
03-025(b)	Sumps (two, inactive and active)			3.6	Pajarito	Twomile
03-025(c)	Tank and/or associated equipment				Pajarito	Twomile
03-026(a)	Sump				Mortandad	Upper Mortandad
03-026(c)	Tank and/or associated equipment				Mortandad	Upper Mortandad
03-026(d)	Tank and/or associated equipment			3.6	Pajarito	Twomile
03-027	Separation site				Sandia	Upper Sandia
03-028	Surface impoundment	03-009(a)-00	Asphalt batch plant	8.8	Sandia	Upper Sandia
03-031	Tanks and/or associated equipment				Mortandad	Upper Mortandad
03-033	Sump			34	Pajarito	Twomile
03-034(a)	Tank and/or associated equipment, radioactive liquid waste tanks				Mortandad	Upper Mortandad
03-034(b)	Tank and/or associated equipment			39	Mortandad	Upper Mortandad
03-036(a)	Aboveground tanks	03-009(a)-00	Asphalt batch plant	8.8	Sandia	Upper Sandia

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
03-036(b)	Aboveground tanks				Sandia	Upper Sandia
03-036(c)	Aboveground tanks - duplicate of 03-043(f)	03-009(a)-00	Asphalt batch plant	8.8	Sandia	Upper Sandia
03-036(d)	Aboveground tanks - duplicate of 3-043(g)	03-009(a)-00	Asphalt batch plant	8.8	Sandia	Upper Sandia
03-037	Underground tank			3.6	Sandia	Upper Sandia
03-038(a)	Acid tank	03-038(a)-00	Tanks and/or associated equipment	8.8	Los Alamos/Pueblo	Upper Los Alamos
03-038(b)	Acid tank	03-038(a)-00	Tanks and/or associated equipment	35.5	Los Alamos/Pueblo	Upper Los Alamos
03-038(f)	Waste lines				Pajarito	Twomile
03-042	Sump			29.8	Pajarito	Twomile
03-043(b)	Aboveground tank	03-009(a)-00	Asphalt batch plant	19.8	Sandia	Upper Sandia
03-043(c)	Tank and/or associated equipment			3.6	Pajarito	Twomile
03-043(d)	Aboveground tank	03-009(a)-00	Asphalt batch plant	19.8	Sandia	Upper Sandia
03-043(h)	Aboveground tank	03-009(a)-00	Asphalt batch plant	19.8	Sandia	Upper Sandia
03-045(a)	Outfall (industrial or sanitary wastewater treatment)			7.6	Sandia	Upper Sandia
03-045(e)	Outfall (industrial or sanitary wastewater treatment)			17	Sandia	Upper Sandia
03-045(f)	Outfall from drain (industrial or sanitary wastewater treatment)			3.6	Sandia	Upper Sandia
03-045(g)	Storm drain	03-009(a)-00	Asphalt batch plant	34.3	Sandia	Upper Sandia
03-045(h)	Outfall (industrial or sanitary wastewater treatment)	03-045(h)-00	Drainlines and outfalls	38.3	Mortandad	Upper Mortandad
03-046	Above ground wastewater treatment tank			3.6	Sandia	Upper Sandia
03-047(d)	Storage area			15.3	Sandia	Upper Sandia
03-049(a)	Outfall	03-045(h)-00	Drainlines and outfalls	36.8	Mortandad	Upper Mortandad
03-049(b)	Operational release	03-049(b)-00	Miscellaneous	3.6	Mortandad	Upper Mortandad
03-049(e)	Outfall			10.6	Mortandad	Upper Mortandad
03-050(a)	Exhaust emissions, off-gas scrubber of HEPA filter system	03-050(a)-00	Soil contamination		Mortandad	Upper Mortandad
03-050(d)	Exhaust emissions, off-gas scrubber of HEPA filter system	03-050(a)-00	Soil contamination	3.6	Pajarito	Twomile
03-050(f)	Exhaust emissions, off-gas scrubber of HEPA filter system	03-050(a)-00	Soil contamination	3.6	Pajarito	Twomile
03-050(g)	Exhaust emissions, off-gas scrubber of HEPA filter system	03-050(a)-00	Soil contamination	3.6	Pajarito	Twomile
03-051(c)	Soil contamination (vacuum pump leaking)			12.7	Sandia	Upper Sandia
03-052(a)	Storm drainage	03-052(a)-00	Drainlines and outfalls	34.6	Pajarito	Twomile

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
03-052(b)	Storm drainage			39.8	Sandia	Upper Sandia
03-052(e)	Storm drainage	03-052(a)-00	Drainlines and outfalls	10.6	Pajarito	Twomile
03-053	Operational facility	03-015-00	Drainlines and outfall		Sandia	Upper Sandia
03-054(c)	Outfall			3.6	Sandia	Upper Sandia
03-055(c)	Outfall				Los Alamos/Pueblo	Upper Los Alamos
03-056(a)	Storage area			3.6	Sandia	Upper Sandia
03-056(d)	Drum storage	03-014(a)-99	Wastewater treatment plant	8.8	Sandia	Upper Sandia
03-056(k)	Container storage area			3.6	Sandia	Upper Sandia
03-056(l)	Drum storage			10.6	Sandia	Upper Sandia
03-059	Storage area - PCB only site	03-059-00	Storage area	10.6	Sandia	Upper Sandia
05-002	Canyonside disposal	05-001(a)-99	Firing site - Beta Site	23.5	Mortandad	Middle Mortandad/Ten-Site
05-003	Former calibration chamber			8.8	Mortandad	Lower Mortandad/Cedro
06-001(a)	Septic system			3.6	Pajarito	Twomile
06-001(b)	Septic system			3.6	Pajarito	Twomile
06-002	Septic system (TA-6-41) receives wastewater from PRSs 06-003 and C-06-020.	06-002-00	Firing site - eastern aggregate	3.6	Pajarito	Twomile
06-003(a)	Firing site (inactive)	06-003(a)-99	Former firing site	3.6	Pajarito	Twomile
06-003(c)	Firing site used for water recovery shots (inactive)	06-002-00	Firing site - eastern aggregate	3.6	Pajarito	Twomile
06-003(d)	Firing site (inactive)			20.5	Pajarito	Twomile
06-003(e)	Firing site (inactive)			14	Pajarito	Twomile
06-003(f)	Firing site (inactive)			8.8	Pajarito	Twomile
06-003(h)	Firing site (inactive)			3.6	Pajarito	Twomile
06-005	Firing site (pit) (inactive)	06-007(a)-99	Material disposal area (MDA F)	8.8	Pajarito	Twomile
06-006	Storage area			25.1	Pajarito	Twomile
06-007(a)	Material disposal area (MDA F)	06-007(a)-99	Material disposal area (MDA F)	15.8	Pajarito	Twomile
06-007(b)	Landfill	06-007(a)-99	Material disposal area (MDA F)	15.8	Pajarito	Twomile
06-007(c)	Landfill	06-007(a)-99	Material disposal area (MDA F)	15.8	Pajarito	Twomile
06-007(d)	Landfill	06-007(a)-99	Material disposal area (MDA F)	15.8	Pajarito	Twomile
06-007(e)	Landfill	06-007(a)-99	Material disposal area (MDA F)	15.8	Pajarito	Twomile
06-007(f)	Surface disposal			15.3	Pajarito	Twomile
06-008	Underground tank	06-003(a)-99	Former firing site	8.8	Pajarito	Twomile
07-001(a)	Firing site (inactive)	07-001(a)-99	Former firing sites	33.9	Pajarito	Twomile
08-001(a)	Off-gas system				Pajarito	Starmer/Upper Pajarito
08-001(b)	Off-gas system				Pajarito	Starmer/Upper Pajarito

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
08-002	Firing site			34.6	Pajarito	Starmer/Upper Pajarito
08-003(a)	Septic system	08-003(a)-00	Septic system, drainlines, and outfall	22.3	Pajarito	Starmer/Upper Pajarito
08-004(a)	Floor drain	08-003(a)-00	Septic system, drainlines, and outfall	22.3	Pajarito	Starmer/Upper Pajarito
08-004(b)	Drainline	08-003(a)-00	Septic system, drainlines, and outfall	22.3	Pajarito	Starmer/Upper Pajarito
08-004(c)	Floor drain			22.3	Pajarito	Starmer/Upper Pajarito
08-004(d)	Drain			3.6	Water/Canon de Valle	Canon de Valle
08-009(a)	Industrial or sanitary wastewater treatment	08-003(a)-00	Septic system, drainlines, and outfall	17.5	Pajarito	Starmer/Upper Pajarito
08-009(c)	Storm drain and outfall			27.5	Pajarito	Starmer/Upper Pajarito
08-009(e)	Industrial or sanitary wastewater treatment			17.5	Pajarito	Starmer/Upper Pajarito
09-001(a)	Firing sites (inactive)	09-001(a)-99	Former firing site structures	8.8	Pajarito	Starmer/Upper Pajarito
09-001(b)	Firing sites (inactive)	09-001(a)-99	Former firing site structures	8.8	Pajarito	Starmer/Upper Pajarito
09-001(c)	Firing site (inactive)			14	Pajarito	Starmer/Upper Pajarito
09-001(d)	Firing sites (inactive)			8.8	Pajarito	Starmer/Upper Pajarito
09-002	Burn pit			3.6	Pajarito	Starmer/Upper Pajarito
09-003(a)	Settling tank	09-003(a)-99	Settling tanks and basket pit associated with Building 09-14	15.6	Pajarito	Starmer/Upper Pajarito
09-003(b)	Settling tank	09-003(a)-99	Settling tanks and basket pit associated with Building 09-14	15.6	Pajarito	Starmer/Upper Pajarito
09-003(d)	Settling tank			8.8	Pajarito	Starmer/Upper Pajarito
09-003(e)	Settling tank	09-003(a)-99	Settling tanks and basket pit associated with Building 09-14	15.6	Pajarito	Starmer/Upper Pajarito
09-003(g)	Potentially contaminated soil			8.8	Pajarito	Starmer/Upper Pajarito
09-003(h)	Potentially contaminated soil			8.8	Pajarito	Starmer/Upper Pajarito
09-003(i)	Potentially contaminated soil			22.3	Pajarito	Starmer/Upper Pajarito
09-004(a)	Settling tank	09-004(a)-99	Settling tanks	3.6	Pajarito	Starmer/Upper Pajarito
09-004(b)	Settling tank	09-004(a)-99	Settling tanks	14.6	Pajarito	Starmer/Upper Pajarito
09-004(c)	Settling tank	09-004(a)-99	Settling tanks	27.5	Pajarito	Starmer/Upper Pajarito
09-004(d)	Settling tank	09-004(a)-99	Settling tanks	26.3	Pajarito	Starmer/Upper Pajarito
09-004(e)	Settling tank	09-004(a)-99	Settling tanks	15.8	Pajarito	Starmer/Upper Pajarito
09-004(f)	Settling tank	09-004(a)-99	Settling tanks	10.6	Pajarito	Starmer/Upper Pajarito
09-004(h)	Settling tank	09-004(a)-99	Settling tanks	10.6	Pajarito	Starmer/Upper Pajarito
09-004(i)	Settling tank	09-004(a)-99	Settling tanks	15.8	Pajarito	Starmer/Upper Pajarito
09-004(j)	Settling tank	09-004(a)-99	Settling tanks	10.6	Pajarito	Starmer/Upper Pajarito
09-004(k)	Settling tank	09-004(a)-99	Settling tanks	15.8	Pajarito	Starmer/Upper Pajarito
09-004(l)	Settling tank	09-004(a)-99	Settling tanks	15.3	Pajarito	Starmer/Upper Pajarito

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
09-004(m)	Settling tank	09-004(a)-99	Settling tanks	22.3	Pajarito	Starmer/Upper Pajarito
09-004(n)	Settling tank	09-004(a)-99	Settling tanks	3.6	Pajarito	Starmer/Upper Pajarito
09-005(d)	Septic system	09-008(b)-99	Septic tanks and sewage oxidation pond	8.8	Pajarito	Starmer/Upper Pajarito
09-006	Septic tank			22.6	Pajarito	Starmer/Upper Pajarito
09-008(b)	Surface impoundment	09-008(b)-99	Septic tanks and sewage oxidation pond	30.3	Pajarito	Starmer/Upper Pajarito
09-010(a)	Storage area				Pajarito	Starmer/Upper Pajarito
09-010(b)	Storage area				Pajarito	Starmer/Upper Pajarito
09-011(c)	Storage area			10.6	Pajarito	Starmer/Upper Pajarito
09-012	Disposal pit				Pajarito	Starmer/Upper Pajarito
09-014	Camera mount				Pajarito	Starmer/Upper Pajarito
10-001(a)	Firing site (inactive)	10-001(a)-99	Firing sites (inactive)	15.6	Los Alamos/Pueblo	Bayo
10-001(b)	Firing site (inactive)	10-001(a)-99	Firing sites (inactive)	15.6	Los Alamos/Pueblo	Bayo
10-001(c)	Firing site (inactive)	10-001(a)-99	Firing sites (inactive)	20.8	Los Alamos/Pueblo	Bayo
10-001(d)	Firing site (inactive)	10-001(a)-99	Firing sites (inactive)	20.8	Los Alamos/Pueblo	Bayo
10-002(a)	Disposal pit	10-002(a)-99	Former liquid disposal complex	26	Los Alamos/Pueblo	Bayo
10-002(b)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(a)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(b)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(c)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(d)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(e)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(f)	Disposal pit	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(g)	Manholes	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(h)	Manholes	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(i)	Septic tank	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(j)	Tank	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(k)	Tank	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(l)	Tank	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(m)	Waste line	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(n)	Leach field	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-003(o)	Leach field	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-004(a)	Septic tank			26	Los Alamos/Pueblo	Bayo
10-004(b)	Septic system	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-005	Surface disposal	10-001(a)-99	Firing sites (inactive)	27.8	Los Alamos/Pueblo	Bayo

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
10-006	Burn site				Los Alamos/Pueblo	Bayo
10-007	Landfill	10-002(a)-99	Former liquid disposal complex	27.8	Los Alamos/Pueblo	Bayo
10-008	Tree Rimmed Firing Point, Bayo Canyon (inactive)	10-001(a)-99	Firing sites (inactive)	31.8	Los Alamos/Pueblo	Bayo
10-009	Former Bayo Canyon landfill			20.5	Los Alamos/Pueblo	Bayo
11-001(a)	Firing site (inactive)	11-006(a)-99	Former firing site	3.6	Water/Canon de Valle	S-Site (Martin)
11-001(b)	Firing site (inactive)			22.7	Water/Canon de Valle	S-Site (Martin)
11-002	Burn site	11-006(a)-99	Former firing site	15.3	Water/Canon de Valle	S-Site (Martin)
11-005(a)	Septic system			23.5	Water/Canon de Valle	S-Site (Martin)
11-005(b)	Septic system			8.8	Water/Canon de Valle	S-Site (Martin)
11-006(a)	Sump	11-006(a)-99	Former firing site	10.6	Water/Canon de Valle	S-Site (Martin)
11-009	Material disposal area (MDA S)			8.8	Water/Canon de Valle	Upper Water
11-011(a)	Industrial or sanitary wastewater treatment	11-011(a)-00	Outfalls	19.3	Water/Canon de Valle	S-Site (Martin)
11-011(b)	Industrial or sanitary wastewater treatment	11-011(a)-00	Outfalls	19.3	Water/Canon de Valle	S-Site (Martin)
11-011(d)	Industrial or sanitary wastewater treatment			8.8	Water/Canon de Valle	S-Site (Martin)
11-012(b)	Building			15.3	Water/Canon de Valle	S-Site (Martin)
11-012(c)	Building			8.8	Water/Canon de Valle	S-Site (Martin)
11-012(d)	Building			8.8	Water/Canon de Valle	S-Site (Martin)
12-001(a)	Firing site steel-lined chamber (inactive)	12-001(a)-99	Former firing site	3.6	Pajarito	Threemile
12-001(b)	Former firing site (inactive)	12-001(a)-99	Former firing site	8.8	Pajarito	Threemile
12-002	Open burning ground	12-001(a)-99	Former firing site	3.6	Pajarito	Threemile
12-004(a)	Radiation test facility			35	Pajarito	Threemile
12-004(b)	Pipe			8.8	Pajarito	Threemile
13-001	Firing site at P-Site (inactive)	13-001-99	Firing site, landfill, and soil contamination	3.6	Water/Canon de Valle	S-Site (Martin)
13-002	Landfill at P-Site	13-001-99	Firing site, landfill, and soil contamination	3.6	Water/Canon de Valle	S-Site (Martin)
13-003(a)	Septic tank same as 16-005(i)	13-003(a)-99	TA-13 septic system (inactive)	8.8	Water/Canon de Valle	S-Site (Martin)
13-003(b)	Septic system	13-003(a)-99	TA-13 septic system (inactive)	8.8	Water/Canon de Valle	S-Site (Martin)
13-004	Disposal pit - existence not determined			10.6	Water/Canon de Valle	Canon de Valle
14-001(f)	Firing site - bullet test facility (active)	14-002(a)-99	Former firing site	3.6	Water/Canon de Valle	Canon de Valle
14-002(b)	Firing site (inactive)	14-002(a)-99	Former firing site		Water/Canon de Valle	Canon de Valle
14-002(c)	Building	14-002(c)-99	Former firing site	36.8	Water/Canon de Valle	Canon de Valle

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
14-002(f)	Junction box at a firing site	14-002(a)-99	Former firing site		Water/Canon de Valle	Canon de Valle
14-003	Open burning ground			8.8	Water/Canon de Valle	Canon de Valle
14-007	Septic system			3.6	Water/Canon de Valle	Canon de Valle
15-001	Surface disposal			3.6	Water/Canon de Valle	Lower Water/Indio
15-002	Disposal pit and burn site	15-002-00	Firing site - R40	3.6	Water/Canon de Valle	Potrillo/Fence
15-003	Firing site PHERMEX (active)	15-003-00	Phermex firing site	15.3	Water/Canon de Valle	Potrillo/Fence
15-004(a)	Firing Site C (inactive)			8.8	Pajarito	Threemile
15-004(b)	Firing Site A (inactive)	15-004(b)-99	Firing sites A and B (inactive)	3.6	Water/Canon de Valle	Potrillo/Fence
15-004(c)	Firing Site B (inactive)	15-004(b)-99	Firing sites A and B (inactive)	3.6	Water/Canon de Valle	Potrillo/Fence
15-004(f)	Machine firing site E-F non-RCRA (inactive) hazard but VCA uranium	15-004(f)-99	Firing site E-F (inactive)	33.2	Water/Canon de Valle	Potrillo/Fence
15-004(g)	Machine firing site (inactive)	15-004(g)-00	Firing site G (inactive)	17.5	Water/Canon de Valle	Canon de Valle
15-004(h)	Firing site H (inactive)			8.8	Water/Canon de Valle	Lower Water/Indio
15-004(i)	The Gulch firing site (inactive)				Water/Canon de Valle	Canon de Valle
15-005(b)	Container storage area			3.6	Water/Canon de Valle	Potrillo/Fence
15-005(c)	Container storage area (R-41)			3.6	Pajarito	Threemile
15-006(a)	Firing site PHERMEX (active)	15-003-00	Phermex firing site	15.3	Water/Canon de Valle	Potrillo/Fence
15-006(b)	Firing Site Ector (active)			15.3	Pajarito	Threemile
15-006(d)	Firing site R-45 (inactive)	15-006(d)-99	R-45 firing site	23.3	Pajarito	Threemile
15-007(a)	Material disposal area (MDA N) landfill	15-002-00	Firing site - R40	3.6	Water/Canon de Valle	Potrillo/Fence
15-007(c)	Shaft	15-007(c)-00	Shafts	15.3	Pajarito	Threemile
15-007(d)	Shaft	15-007(c)-00	Shafts	15.3	Pajarito	Threemile
15-008(c)	Surface disposal	15-004(g)-00	Firing site G (inactive)	8.8	Water/Canon de Valle	Canon de Valle
15-008(g)	Surface disposal	15-006(d)-99	R-45 firing site	23.3	Pajarito	Threemile
15-009(a)	Septic system	15-009(a)-00	Former structures - the Hollow	3.6	Water/Canon de Valle	Canon de Valle
15-009(b)	Septic system			8.8	Pajarito	Threemile
15-009(f)	Septic tank	15-009(f)-00	Firing site and septic systems	3.6	Water/Canon de Valle	Canon de Valle
15-009(g)	Septic tank (active)			3.6	Water/Canon de Valle	Lower Water/Indio
15-009(h)	Septic tank			8.8	Pajarito	Threemile
15-009(i)	Septic tank			3.6	Water/Canon de Valle	Canon de Valle
15-009(k)	Septic tank	15-009(f)-00	Firing site and septic systems	3.6	Water/Canon de Valle	Canon de Valle
15-010(a)	Septic system			8.8	Water/Canon de Valle	Potrillo/Fence
15-010(b)	Septic system			3.6	Pajarito	Threemile
15-011(a)	Sump	15-009(a)-00	Former structures - the Hollow	3.6	Water/Canon de Valle	Canon de Valle
15-014(a)	Industrial or sanitary wastewater treatment	15-014(a)-00	Outfalls	33.7	Water/Canon de Valle	Canon de Valle

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
15-014(b)	Industrial or sanitary wastewater treatment	15-014(a)-00	Outfalls	33.7	Water/Canon de Valle	Canon de Valle
15-014(h)	Outfall			8.8	Pajarito	Threemile
15-014(i)	Outfall	15-009(a)-00	Former structures - the Hollow	3.6	Water/Canon de Valle	Canon de Valle
15-014(k)	Outfall	15-009(a)-00	Former structures - the Hollow	3.6	Water/Canon de Valle	Canon de Valle
15-014(l)	NPDES-permitted outfall (active)			39.8	Water/Canon de Valle	Lower Water/Indio
16-001(e)	Dry well	16-003(d)-99	Sumps and associated dry well	8.8	Water/Canon de Valle	S-Site (Martin)
16-003(b)	Sump			33.7	Water/Canon de Valle	Upper Water
16-003(c)	Sump 16-460	16-003(c)-99	Sump, associated drainline, and outfall	10.6	Water/Canon de Valle	Upper Water
16-003(d)	Sump	16-003(d)-99	Sumps and associated dry well	15.3	Water/Canon de Valle	S-Site (Martin)
16-003(e)	Sump	16-003(d)-99	Sumps and associated dry well	15.3	Water/Canon de Valle	S-Site (Martin)
16-003(g)	Sump	16-003(d)-99	Sumps and associated dry well	3.6	Water/Canon de Valle	S-Site (Martin)
16-003(h)	Sump 16-280	16-003(h)-99	Inactive sump, drainline, and outfall	29.1	Water/Canon de Valle	Canon de Valle
16-003(i)	Sump 16-265			3.6	Water/Canon de Valle	Canon de Valle
16-003(j)	Sump 16-267			17.5	Water/Canon de Valle	Canon de Valle
16-003(k)	Sumps / drainlines with 16-260	16-021(c)-99	16-260 Sumps, drainlines, and outfall	38.6	Water/Canon de Valle	Canon de Valle
16-003(l)	Sump 16-430	16-003(l)-99	Sumps, drainlines, and outfalls (inactive)	29.1	Water/Canon de Valle	Upper Water
16-003(m)	Sump	16-003(m)-99	Sump, outfall, and septic system	3.6	Water/Canon de Valle	Upper Water
16-003(n)	Sump	16-003(n)-99	HE sump	25	Water/Canon de Valle	Canon de Valle
16-003(o)	Sump- fish ladder			27.3	Water/Canon de Valle	Canon de Valle
16-003(p)	Sump at P-Site	16-029(h)-99	Sump, drainlines, and outfall	3.6	Water/Canon de Valle	Canon de Valle
16-004(a)	Wastewater treatment facility	16-004(a)-99	Wastewater treatment plant	31	Water/Canon de Valle	S-Site (Martin)
16-004(b)	Wastewater treatment facility	16-004(a)-99	Wastewater treatment plant	31	Water/Canon de Valle	S-Site (Martin)
16-004(c)	Wastewater treatment facility	16-004(a)-99	Wastewater treatment plant	31	Water/Canon de Valle	S-Site (Martin)
16-004(d)	Wastewater treatment facility	16-004(a)-99	Wastewater treatment plant	31	Water/Canon de Valle	S-Site (Martin)
16-004(e)	Wastewater treatment facility	16-004(a)-99	Wastewater treatment plant	31	Water/Canon de Valle	S-Site (Martin)
16-004(f)	Wastewater treatment facility	16-004(a)-99	Wastewater treatment plant	31	Water/Canon de Valle	S-Site (Martin)
16-005(a)	Septic tank			3.6	Water/Canon de Valle	Upper Water
16-005(c)	Septic tank	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-005(d)	Septic tank	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-005(e)	Septic tank	16-029(c2)-99	Former structures	22.3	Water/Canon de Valle	S-Site (Martin)
16-005(g)	Burn site	16-010(h)-99	Former burning ground structures	3.6	Water/Canon de Valle	Canon de Valle
16-005(h)	Septic tank			8.8	Water/Canon de Valle	Upper Water
16-005(j)	Septic tank T-Site	16-034(b)-99	Former structures, T-Site	3.6	Water/Canon de Valle	Canon de Valle

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-005(k)	Septic tank			8.8	Water/Canon de Valle	Upper Water
16-005(l)	Grease trap			10.6	Water/Canon de Valle	Upper Water
16-005(m)	Soil contamination area associated with former chemical pit T-Site	16-034(b)-99	Former structures, T-Site	3.6	Water/Canon de Valle	Canon de Valle
16-005(n)	Septic system			3.6	Water/Canon de Valle	Canon de Valle
16-006(a)	Septic system			3.6	Water/Canon de Valle	Canon de Valle
16-006(d)	Septic system	16-003(m)-99	Sump, outfall, and septic system	37.3	Water/Canon de Valle	Upper Water
16-006(e)	Septic system 16-385	16-016(c)-99	Burning ground	8.8	Water/Canon de Valle	Canon de Valle
16-006(h)	Pump pit	16-013-99	V-Site courtyard	15.8	Water/Canon de Valle	S-Site (Martin)
16-007(a)	Surface impoundment	16-007(a)-99	Machining buildings and settling ponds	3.6	Water/Canon de Valle	Canon de Valle
16-008(a)	Surface impoundment (90s-Line pond)	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-009(a)	Burn site			12.7	Water/Canon de Valle	Canon de Valle
16-010(a)	Burn site	16-016(c)-99	Burning ground	38.4	Water/Canon de Valle	Canon de Valle
16-010(e)	HE filter vessel; RCRA unit (active)			14	Water/Canon de Valle	Canon de Valle
16-010(f)	HE filter vessel; RCRA unit (active)			14	Water/Canon de Valle	Canon de Valle
16-010(h)	Burn site	16-010(h)-99	Former burning ground structures	8.8	Water/Canon de Valle	Canon de Valle
16-010(i)	Burn site	16-010(h)-99	Former burning ground structures	14	Water/Canon de Valle	Canon de Valle
16-010(j)	Burn site - RCRA Unit	16-010(h)-99	Former burning ground structures	14	Water/Canon de Valle	Canon de Valle
16-010(k)	Trough	16-010(h)-99	Former burning ground structures	14	Water/Canon de Valle	Canon de Valle
16-010(l)	Trough	16-010(h)-99	Former burning ground structures	14	Water/Canon de Valle	Canon de Valle
16-010(m)	Trough	16-010(h)-99	Former burning ground structures	14	Water/Canon de Valle	Canon de Valle
16-010(n)	Trough	16-010(h)-99	Former burning ground structures	14	Water/Canon de Valle	Canon de Valle
16-011	Incinerator	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-013	Container storage, V-Site	16-013-99	V-Site courtyard	22.7	Water/Canon de Valle	S-Site (Martin)
16-015(a)	Men's locker room and laundry facility			8.8	Water/Canon de Valle	Upper Water
16-015(b)	Steam-washing facility			3.6	Water/Canon de Valle	Upper Water
16-015(c)	Operational facility	16-029(c2)-99	Former structures	22.3	Water/Canon de Valle	S-Site (Martin)
16-015(d)	Operational facility 16-51	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water
16-016(a)	Landfill - buried metal site			17.5	Water/Canon de Valle	Upper Water
16-016(b)	Landfill			10.6	Water/Canon de Valle	Canon de Valle
16-016(e)	Surface disposal site			3.6	Water/Canon de Valle	Upper Water
16-016(f)	Landfill			29.8	Water/Canon de Valle	Upper Water
16-017(a)-99	Former HE machining building	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93		Water/Canon de Valle	Canon de Valle S-Site (Martin) Upper Water

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-017(b)-99	Former HE electroplating building	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93		Water/Canon de Valle	Canon de Valle
16-017(c)-99	Former HE machining building	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93		Water/Canon de Valle	Canon de Valle
16-017(d)-99	Former HE machining building	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93		Water/Canon de Valle	Canon de Valle
16-017(e)-99	Former HE machining building	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93		Water/Canon de Valle	Canon de Valle
16-017(f)-99	Former HE processing building	16-029(q)-99	HE machining building and associated structures		Water/Canon de Valle	Canon de Valle
16-017(h)-99	Former location of HE casting building	16-026(q)-99	20s-Line and associated structures		Water/Canon de Valle	Canon de Valle
16-017(j)-99	Former structure - storage magazine				Water/Canon de Valle	Upper Water
16-017(k)-99	Former structure - storage magazine				Water/Canon de Valle	Upper Water
16-017(l)-99	Former structure - storage magazine				Water/Canon de Valle	Upper Water
16-017(m)-99	Former structure - storage magazine				Water/Canon de Valle	Upper Water
16-017(n)-99	Former structure - storage magazine				Water/Canon de Valle	Upper Water
16-017(o)-99	Former structure - storage magazine				Water/Canon de Valle	Upper Water
16-017(p)-99	Former structure - storage magazine				Water/Canon de Valle	S-Site (Martin)
16-017(q)-99	Former storage magazine located at V-Site	16-013-99	V-Site courtyard		Water/Canon de Valle	Canon de Valle
16-017(r)-99	Former nuclear assembly site / storage building	16-013-99	V-Site courtyard		Water/Canon de Valle	Canon de Valle
16-017(s)-99	Former nuclear assembly site / storage building	16-013-99	V-Site courtyard		Water/Canon de Valle	Canon de Valle
16-017(t)-99	Building 16-516, former laboratory / equipment storage building	16-013-99	V-Site courtyard		Water/Canon de Valle	Canon de Valle
16-017(u)-99	Former HE processing building	16-013-99	V-Site courtyard		Water/Canon de Valle	Canon de Valle
16-017(v)-99	Former HE processing building	16-029(x)-99	V-Site: Buildings 16-100, 16-515 and associated st		Water/Canon de Valle	Canon de Valle
16-017(w)-99	Former structure - storage magazine				Water/Canon de Valle	S-Site (Martin)
16-017(x)-99	Former storage magazine	16-026(q)-99	20s-Line and associated structures		Water/Canon de Valle	Canon de Valle
16-021(a)	Systematic release site	16-029(g)-99	Sump and outfall, 16-450	27.5	Water/Canon de Valle	Upper Water
16-022(b)	Underground tank			3.6	Water/Canon de Valle	Upper Water
16-023(b)	Incinerator	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-024(a)	Magazine			3.6	Water/Canon de Valle	S-Site (Martin)
16-024(b)	Magazine			3.6	Water/Canon de Valle	Canon de Valle
16-024(d)	Magazine	16-007(a)-99	Machining buildings and settling ponds	8.8	Water/Canon de Valle	Canon de Valle

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-024(e)	Operational facility 16-33	16-007(a)-99	Machining buildings and settling ponds	8.8	Water/Canon de Valle	Canon de Valle
16-024(h)	Magazine			8.8	Water/Canon de Valle	Canon de Valle
16-024(i)	Magazine			3.6	Water/Canon de Valle	Upper Water
16-024(j)	Magazine			10.6	Water/Canon de Valle	Upper Water
16-024(k)	Magazine			3.6	Water/Canon de Valle	Upper Water
16-024(l)	Magazine			22.3	Water/Canon de Valle	Upper Water
16-024(m)	Magazine			22.3	Water/Canon de Valle	S-Site (Martin)
16-024(n)	Magazine			22.3	Water/Canon de Valle	S-Site (Martin)
16-024(o)	Magazine			22.3	Water/Canon de Valle	Upper Water
16-024(q)	Magazine			3.6	Water/Canon de Valle	Upper Water
16-024(s)	Magazine			15.3	Water/Canon de Valle	Upper Water
16-024(t)	HE magazine			3.6	Water/Canon de Valle	Upper Water
16-024(u)	Magazine			8.8	Water/Canon de Valle	Canon de Valle
16-024(v)	Magazine			3.6	Water/Canon de Valle	Canon de Valle
16-025(a)	Abandoned radiography building, 16-39			3.6	Water/Canon de Valle	Canon de Valle
16-025(a2)	Abandoned building and appurtenances, 16-50	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water
16-025(b)	Abandoned radiography building, 16-40			8.8	Water/Canon de Valle	Canon de Valle
16-025(b2)	Abandoned building and appurtenances	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water
16-025(c2)	Abandoned building, 16-56			3.6	Water/Canon de Valle	Upper Water
16-025(d)	Abandoned building and appurtenances	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-025(d2)	Abandoned building, 16-480			17.5	Water/Canon de Valle	Canon de Valle
16-025(e)	Abandoned building and appurtenances	16-007(a)-99	Machining buildings and settling ponds	8.8	Water/Canon de Valle	Canon de Valle
16-025(e2)	Abandoned building, 16-106			34.6	Water/Canon de Valle	Canon de Valle
16-025(f)	Abandoned building and appurtenances, 16-32	16-007(a)-99	Machining buildings and settling ponds	8.8	Water/Canon de Valle	Canon de Valle
16-025(f2)	Abandoned building, 16-107			34.6	Water/Canon de Valle	Canon de Valle
16-025(g)	Abandoned building and appurtenances	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-025(h)	Abandoned building and appurtenances	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-025(h2)	Abandoned building, 16-109			34.6	Water/Canon de Valle	Upper Water

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-025(i)	Abandoned building and appurtenances, 16-97	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-025(j)	Abandoned building and appurtenances	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-025(k)	Abandoned building and appurtenances	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-025(l)	Abandoned building and appurtenances, 16-26	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-025(m)	Abandoned building and appurtenances	16-034(b)-99	Former structures, T-Site	8.8	Water/Canon de Valle	Canon de Valle
16-025(n)	Abandoned building and appurtenances	16-034(b)-99	Former structures, T-Site	8.8	Water/Canon de Valle	Canon de Valle
16-025(o)	Abandoned building and appurtenances	16-034(b)-99	Former structures, T-Site	8.8	Water/Canon de Valle	Canon de Valle
16-025(p)	Abandoned building and appurtenances, 16-44	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-025(q)	Abandoned building and appurtenances, 16-45	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-025(r)	Abandoned building and appurtenances, 16-46	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-025(s)	Abandoned building and appurtenances, 16-48	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-025(t)	Abandoned building and appurtenances, 16-38	16-029(y)-99	Experimental casting building, associated drainlin	3.6	Water/Canon de Valle	Upper Water
16-025(u)	Abandoned building and appurtenances, 16-42	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-025(v)	Abandoned building and appurtenances, 16-81	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-025(w)	Abandoned building, 16-81			22.3	Water/Canon de Valle	Upper Water
16-025(x)	Abandoned building and appurtenances	16-029(x)-99	V-Site: Buildings 16-100, 16-515 and associated structures	3.6	Water/Canon de Valle	S-Site (Martin)
16-025(y)	Abandoned building and appurtenances	16-025(y)-99	Former building	22.3	Water/Canon de Valle	Upper Water
16-025(z)	Abandoned building and appurtenances	16-029(c2)-99	Former structures	22.3	Water/Canon de Valle	S-Site (Martin)
16-026(a2)	Outfall from 16-200			10.6	Water/Canon de Valle	Upper Water
16-026(b)	Outfall from building 16-307 - PCB only site	16-026(b)-99	300s-Line (west side) sumps and outfalls	15.8	Water/Canon de Valle	S-Site (Martin)
16-026(b2)	Outfall, 16-202	16-026(b2)-00	Outfalls		Water/Canon de Valle	Upper Water
16-026(c)	Outfall from building, 16-305	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)
16-026(d)	Outfall from building 16-303	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-026(d2)	Outfall from 16-435			15.8	Water/Canon de Valle	Upper Water
16-026(e)	Outfall from building 16-301	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)
16-026(e2)	Outfall from 16-415			15.8	Water/Canon de Valle	Upper Water
16-026(f)	Outfall			8.8	Water/Canon de Valle	S-Site (Martin)
16-026(f2)	Outfall and associated drainline			15.8	Water/Canon de Valle	Upper Water
16-026(g)	Outfall			15.8	Water/Canon de Valle	Canon de Valle
16-026(g2)	Outfall from 16-285			15.8	Water/Canon de Valle	Canon de Valle
16-026(h)	Outfall from 16-281			29.1	Water/Canon de Valle	Canon de Valle
16-026(i)	Outfall			15.8	Water/Canon de Valle	Canon de Valle
16-026(j2)	Outfall			15.8	Water/Canon de Valle	S-Site (Martin)
16-026(k)	Outfall and associated drainline			15.8	Water/Canon de Valle	Canon de Valle
16-026(k2)	Outfall, 16-260	16-029(j)-99	16-260 Bay 25 outfalls	15.3	Water/Canon de Valle	Canon de Valle
16-026(l)	Drainlines and outfall	16-026(l)-00	Drainlines and outfall	19.8	Water/Canon de Valle	Canon de Valle
16-026(m)	Outfall	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-026(n)	Outfall	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-026(o)	Outfall	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-026(p)	Outfall	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-026(q)	Outfall, 16-27	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-026(r)	Outfall, 16-180			3.6	Water/Canon de Valle	Canon de Valle
16-026(s)	Outfall, 16-5			3.6	Water/Canon de Valle	Upper Water
16-026(t)	Outfall and associated drainline				Water/Canon de Valle	Upper Water
16-026(u)	Outfall, 16-195			3.6	Water/Canon de Valle	Upper Water
16-026(w)	Outfall, 16-45	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-026(x)	Outfall and associated drainline			15.8	Water/Canon de Valle	Upper Water
16-026(y)	Outfall			15.8	Water/Canon de Valle	Upper Water
16-028(c)	Industrial or sanitary wastewater treatment, 16-220	16-026(l)-00	Drainlines and outfall		Water/Canon de Valle	Canon de Valle
16-028(d)	Industrial or sanitary wastewater treatment, 16-202	16-026(b2)-00	Outfalls	21.5	Water/Canon de Valle	Upper Water
16-029(a)	Sump from 300s-Line	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)
16-029(a2)	Sump, 16-55	16-025(y)-99	Former building	22.3	Water/Canon de Valle	Upper Water
16-029(b)	Sump from 300s-Line	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-029(b2)	Sump, 16-53	16-029(b2)-99	Former structures (GMX-2 HE processing building)	3.6	Water/Canon de Valle	Upper Water
16-029(c)	Sump from 300s-Line	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)
16-029(c2)	Sump	16-029(c2)-99	Former structures	22.3	Water/Canon de Valle	S-Site (Martin)
16-029(d)	Sump from 300s-Line	16-026(b)-99	300s-Line (west side) sumps and outfalls	10.6	Water/Canon de Valle	S-Site (Martin)
16-029(d2)	Sump, 16-50	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water
16-029(e)	Sump, 16-360	16-029(e)-99	Sump and outfall, 16-360	15.3	Water/Canon de Valle	Upper Water
16-029(e2)	Sump, 16-52	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water
16-029(f)	Sump from building 16-345			15.8	Water/Canon de Valle	S-Site (Martin)
16-029(f2)	Outfall, 16-24	16-026(q)-99	20s-Line and associated structures	3.6	Water/Canon de Valle	Upper Water
16-029(g)	Sump, 16-450	16-029(g)-99	Sump and outfall, 16-450	21.5	Water/Canon de Valle	Upper Water
16-029(g2)	Pump pit	16-013-99	V-Site courtyard	3.6	Water/Canon de Valle	S-Site (Martin)
16-029(h)	Sump at P-Site	16-029(h)-99	Sump, drainlines, and outfall	3.6	Water/Canon de Valle	S-Site (Martin)
16-029(h2)	Drainline and outfall	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-029(i)	Outfall	16-003(n)-99	HE sump	3.6	Water/Canon de Valle	Canon de Valle
16-029(j)	Outfall, 16-260	16-029(j)-99	16-260 Bay 25 outfalls	15.3	Water/Canon de Valle	Canon de Valle
16-029(k)	Sump	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-029(l)	Sump	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
16-029(m)	Sump, 16-95	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-029(n)	Sump, 16-96	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-029(o)	Sump, 16-97	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-029(p)	Sump, 16-98	16-029(h2)-99	HE machining line buildings and associated structures	8.8	Water/Canon de Valle	Canon de Valle
16-029(q)	16-99 and associated structures	16-029(q)-99	HE machining building and associated structures	10.5	Water/Canon de Valle	Canon de Valle
16-029(r)	Outfall, 16-25	16-026(q)-99	20s-Line and associated structures	3.6	Water/Canon de Valle	Upper Water
16-029(u)	Sump	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	8.8	Water/Canon de Valle	Canon de Valle
16-029(v)	Sump, 16-49	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-029(w)	Sump	16-029(x)-99	V-Site: Buildings 16-100, 16-515 and associated structures	8.8	Water/Canon de Valle	S-Site (Martin)
16-029(x)	Sump	16-029(x)-99	V-Site: Buildings 16-100, 16-515 and associated structures	10.6	Water/Canon de Valle	S-Site (Martin)
16-029(y)	Sump, 16-38	16-029(y)-99	Experimental casting building, associated drainlin	3.6	Water/Canon de Valle	Upper Water
16-029(z)	Sump, 16-42	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-030(a)	Outfall from 16-344, chemical storage building			3.6	Water/Canon de Valle	S-Site (Martin)
16-030(b)	Outfall and associated drainline			3.6	Water/Canon de Valle	S-Site (Martin)
16-030(c)	16-222 outfall				Water/Canon de Valle	Canon de Valle
16-030(d)	Outfall, 16-280	16-003(h)-99	Inactive sump, drainline, and outfall	32.8	Water/Canon de Valle	Canon de Valle
16-030(e)	Outfall and associated drainline				Water/Canon de Valle	Canon de Valle
16-030(f)	Outfall and associated drainline			15.8	Water/Canon de Valle	Canon de Valle
16-030(h)	Outfall, 16-430	16-003(l)-99	Sumps, drainlines, and outfalls (inactive)	29.1	Water/Canon de Valle	Upper Water
16-031(a)	Industrial or sanitary wastewater treatment, 16-372			27.9	Water/Canon de Valle	Upper Water
16-031(b)	Industrial or sanitary wastewater treatment, 16-262			3.6	Water/Canon de Valle	Canon de Valle
16-031(c)	Industrial or sanitary wastewater treatment, 16-515	16-029(x)-99	V-Site: Buildings 16-100, 16-515 and associated st	15.8	Water/Canon de Valle	S-Site (Martin)
16-031(d)	Cooling tower, 16-28	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-031(e)	Outfall, industrial or sanitary wastewater treatment			8.8	Water/Canon de Valle	Upper Water
16-031(f)	Outfall, industrial or sanitary wastewater treatment			3.6	Water/Canon de Valle	Upper Water
16-031(h)	Industrial or sanitary wastewater treatment at P-Site			20.5	Water/Canon de Valle	Canon de Valle
16-032(a)	Sump, 16-45	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-032(c)	Sump, 16-26	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-033(a)	Underground tank			17.9	Water/Canon de Valle	Upper Water
16-033(b)	Underground tank			3.6	Water/Canon de Valle	Upper Water
16-033(e)	Underground tank				Water/Canon de Valle	Canon de Valle
16-033(k)	Underground storage tank <100 gallons				Water/Canon de Valle	Upper Water
16-034(a)	Soil contamination area, 16-24	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
16-034(b)	Soil contamination area, 16-490	16-034(b)-99	Former structures, T-Site	19.7	Water/Canon de Valle	Canon de Valle
16-034(c)	Soil contamination area	16-034(b)-99	Former structures, T-Site	19.7	Water/Canon de Valle	Canon de Valle
16-034(d)	Soil contamination area	16-034(b)-99	Former structures, T-Site	19.7	Water/Canon de Valle	Canon de Valle

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
16-034(e)	Soil contamination area	16-034(b)-99	Former structures, T-Site	19.7	Water/Canon de Valle	Canon de Valle
16-034(f)	Soil contamination area	16-034(b)-99	Former structures, T-Site	19.7	Water/Canon de Valle	Canon de Valle
16-034(h)	Soil contamination area, 16-137			12.7	Water/Canon de Valle	Canon de Valle
16-034(i)	Soil contamination area			10.6	Water/Canon de Valle	Canon de Valle
16-034(j)	Soil contamination area			12.7	Water/Canon de Valle	Canon de Valle
16-034(k)	Soil contamination area			10.6	Water/Canon de Valle	Canon de Valle
16-034(l)	Soil contamination area	16-029(z)-99	Former structures, 40s-Line	3.6	Water/Canon de Valle	Upper Water
16-034(m)	Soil contamination area			22.3	Water/Canon de Valle	S-Site (Martin)
16-034(n)	Soil contamination area			22.3	Water/Canon de Valle	S-Site (Martin)
16-034(o)	Soil contamination area, 16-49	16-029(v)-99	Building footprints, drainlines, and sumps	3.6	Water/Canon de Valle	Upper Water
16-034(p)	Soil contamination area	16-029(z)-99	Former structures, 40s-Line	15.3	Water/Canon de Valle	Upper Water
16-035	Soil contamination area at P-Site	13-001-99	Firing site, landfill, and soil contamination	3.6	Water/Canon de Valle	S-Site (Martin)
16-036	Soil contamination area at P-Site	13-001-99	Firing site, landfill, and soil contamination	3.6	Water/Canon de Valle	S-Site (Martin)
18-001(a)	Lagoon	18-001(a)-00	Industrial or sanitary wastewater treatment	15.6	Pajarito	Lower Pajarito
18-001(b)	Sewer lines	18-001(a)-00	Industrial or sanitary wastewater treatment	15.6	Pajarito	Lower Pajarito
18-001(c)	Sump	18-001(c)-00	Tanks, sumps, outfalls	22.6	Pajarito	Lower Pajarito
18-002(a)	Firing site (inactive)			15.6	Pajarito	Lower Pajarito
18-002(b)	Firing site (inactive)			22.6	Pajarito	Lower Pajarito
18-002(c)	Drop tower				Pajarito	Lower Pajarito
18-003(a)	Settling pit	18-003(a)-00	Tanks, sumps, and outfalls	27.3	Pajarito	Lower Pajarito
18-003(b)	Septic system	18-003(a)-00	Tanks, sumps, and outfalls	27.3	Pajarito	Lower Pajarito
18-003(d)	Septic system			20.8	Pajarito	Lower Pajarito
18-003(e)	Septic system			15.6	Pajarito	Lower Pajarito
18-003(f)	Septic system			10.6	Pajarito	Lower Pajarito
18-003(g)	Septic system			27.8	Pajarito	Lower Pajarito
18-003(h)	Septic system			34.7	Pajarito	Lower Pajarito
18-004(a)	Waste lines containment	18-004(a)-00	Tanks, sumps, outfalls	26.6	Pajarito	Lower Pajarito
18-004(b)	Pit	18-004(a)-00	Tanks, sumps, outfalls	26.6	Pajarito	Lower Pajarito
18-005(a)	Storage area			22.6	Pajarito	Lower Pajarito
18-010(b)	Outfall			22.6	Pajarito	Lower Pajarito
18-010(c)	Outfall			22.6	Pajarito	Lower Pajarito
18-010(e)	Outfall			29.5	Pajarito	Lower Pajarito

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
18-011	Soil containment				Pajarito	Lower Pajarito
18-012(c)	Sump and drainlines			27.3	Pajarito	Lower Pajarito
18-013	Waste tank				Pajarito	Lower Pajarito
19-001	Septic system	19-001-99	Former East Gate Laboratory and septic system	8.8	Los Alamos/Pueblo	Pueblo
19-002	Surface disposal site	19-001-99	Former East Gate Laboratory and septic system	36.6	Los Alamos/Pueblo	Pueblo
19-003	Septic tank	19-001-99	Former East Gate Laboratory and septic system	8.8	Los Alamos/Pueblo	Pueblo
20-001(a)	Landfill			32.5	Sandia	Lower Sandia
20-001(b)	Landfill	20-001(b)-00	Firing site	39.5	Sandia	Lower Sandia
20-001(c)	Landfill	20-001(c)-00	Landfill	26	Sandia	Lower Sandia
20-002(b)	Firing site	20-001(c)-00	Landfill	20.8	Sandia	Lower Sandia
20-002(d)	Firing site			20.8	Sandia	Lower Sandia
20-003(a)	Control building at a firing site			20.8	Sandia	Lower Sandia
20-003(b)	Firing site			27.8	Sandia	Lower Sandia
20-004	Septic system			20.8	Sandia	Lower Sandia
20-005	Septic tank			27.8	Sandia	Lower Sandia
21-001	Container storage	21-016(a)-99	Material disposal area (MDA T)		Los Alamos/Pueblo	Middle Los Alamos
21-002(a)	Container storage areas located throughout TA-21			0	Los Alamos/Pueblo	Lower Los Alamos
21-002(b)	Container storage				Los Alamos/Pueblo	Middle Los Alamos
21-003	Container storage - RCRA Unit	21-003-99	PCB container storage and surface disposal area	33.3	Los Alamos/Pueblo	Middle Los Alamos
21-004(a)	Aboveground tank	21-024(l)-99	Tank, sump, and outfall		Los Alamos/Pueblo	Middle Los Alamos
21-004(b)	Tank and/or associated equipment	21-004(b)-99	Aboveground tanks and outfall area	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-004(c)	Tank and/or associated equipment	21-004(b)-99	Aboveground tanks and outfall area	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-006(a)	Disposal pit, building 21-2	21-006(c)-99	Miscellaneous	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-006(b)	Disposal pit	21-006(c)-99	Miscellaneous	30.5	Los Alamos/Pueblo	Middle Los Alamos
21-006(c)	Disposal pit, building 21-3	21-006(c)-99	Miscellaneous	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-006(d)	Disposal pit, building 21-3	21-006(c)-99	Miscellaneous	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-006(e)	Surface disposal site, building 21-4	21-006(e)-99	Underground seepage pits	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-006(f)	Disposal pit, building 21-4	21-006(e)-99	Underground seepage pits		Los Alamos/Pueblo	Middle Los Alamos
21-007	Incinerators	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-009	Waste treatment laboratory				Los Alamos/Pueblo	Middle Los Alamos
21-010(a)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-010(b)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
21-010(c)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-010(d)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-010(e)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-010(f)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-010(g)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-010(h)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-011(a)	Waste treatment facility	21-016(a)-99	Material disposal area (MDA T)	30.3	Los Alamos/Pueblo	Middle Los Alamos
21-011(b)	Sump			21	Los Alamos/Pueblo	Middle Los Alamos
21-011(d)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-011(e)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-011(f)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)	15.3	Los Alamos/Pueblo	Middle Los Alamos
21-011(g)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)	15.3	Los Alamos/Pueblo	Middle Los Alamos
21-011(h)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)		Los Alamos/Pueblo	Middle Los Alamos
21-011(i)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-011(j)	Aboveground tank	21-016(a)-99	Material disposal area (MDA T)	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-012(b)	Dry well			3.6	Los Alamos/Pueblo	Middle Los Alamos
21-013(a)	Surface disposal site	21-026(a)-99	Former sewage treatment plant	20.5	Los Alamos/Pueblo	Middle Los Alamos
21-013(c)	Surface disposal site			15.7	Los Alamos/Pueblo	Middle Los Alamos
21-013(d)	Surface disposal site (cold dump)	21-013(d)-99	Surface disposal areas	24.9	Los Alamos/Pueblo	Middle Los Alamos
21-013(e)	Surface disposal site	21-013(d)-99	Surface disposal areas	24.9	Los Alamos/Pueblo	Middle Los Alamos
21-013(f)	Surface disposal site	21-003-99	PCB container storage and surface disposal area	15.8	Los Alamos/Pueblo	Middle Los Alamos
21-014	Material disposal area (MDA A)			15.8	Los Alamos/Pueblo	Middle Los Alamos
21-015	Material disposal area (MDA B)			17.9	Los Alamos/Pueblo	Middle Los Alamos
21-017(a)	Material disposal area (MDA U)	21-017(a)-99	Material disposal area (MDA U)	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-017(b)	Material disposal area (MDA U)	21-017(a)-99	Material disposal area (MDA U)	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-017(c)	Material disposal area (MDA U)	21-017(a)-99	Material disposal area (MDA U)	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-018(a)	Material disposal area (MDA V)	21-018(a)-99	Material disposal area (MDA V)	18.1	Los Alamos/Pueblo	Middle Los Alamos
21-018(b)	Material disposal area (MDA V) laundry facility	21-018(a)-99	Material disposal area (MDA V)	15.8	Los Alamos/Pueblo	Middle Los Alamos
21-021	Systematic release (site -wide)	21-021-99	Surface soil contamination area	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-022(a)	Waste lines	21-024(l)-99	Tank, sump, and outfall	15.8	Los Alamos/Pueblo	Middle Los Alamos
21-022(b)	Waste lines, building 21-2	21-022(b)-99	Industrial waste lines and sumps	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-022(c)	Waste lines, building 21-3	21-022(b)-99	Industrial waste lines and sumps	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-022(d)	Waste lines, building 21-4	21-022(b)-99	Industrial waste lines and sumps	21	Los Alamos/Pueblo	Middle Los Alamos
21-022(e)	Waste lines, building 21-5	21-022(b)-99	Industrial waste lines and sumps	10.6	Los Alamos/Pueblo	Middle Los Alamos

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
21-022(f)	Sump and drainlines	21-017(a)-99	Material disposal area (MDA U)	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-022(g)	Waste lines, building 21-150	21-022(b)-99	Industrial waste lines and sumps	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-022(h)	Waste lines	21-022(h)-99	Drainline and outfall	27.5	Los Alamos/Pueblo	Middle Los Alamos
21-022(i)	Tank and/or associated equipment	21-022(h)-99	Drainline and outfall	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-022(j)	Tank and/or associated equipment	21-022(h)-99	Drainline and outfall	3.6	Los Alamos/Pueblo	Middle Los Alamos
21-023(a)	Septic system, building 21-3	21-023(a)-99	Septic tanks and distribution lines	15.8	Los Alamos/Pueblo	Middle Los Alamos
21-023(b)	Septic system, building 21-3	21-023(a)-99	Septic tanks and distribution lines	15.8	Los Alamos/Pueblo	Middle Los Alamos
21-023(c)	Septic system	21-018(a)-99	Material disposal area (MDA V)	35.5	Los Alamos/Pueblo	Middle Los Alamos
21-023(d)	Septic system, building 21-3	21-023(a)-99	Septic tanks and distribution lines	27.5	Los Alamos/Pueblo	Middle Los Alamos
21-024(a)	Septic system			3.6	Los Alamos/Pueblo	Middle Los Alamos
21-024(b)	Septic system			15.8	Los Alamos/Pueblo	Middle Los Alamos
21-024(c)	Septic system			14	Los Alamos/Pueblo	Middle Los Alamos
21-024(d)	Septic system			24	Los Alamos/Pueblo	Middle Los Alamos
21-024(f)	Septic system			30.9	Los Alamos/Pueblo	Middle Los Alamos
21-024(g)	Septic system			17	Los Alamos/Pueblo	Middle Los Alamos
21-024(j)	Septic system			3.6	Los Alamos/Pueblo	Middle Los Alamos
21-024(k)	Septic system			3.6	Los Alamos/Pueblo	Middle Los Alamos
21-024(l)	Industrial or sanitary wastewater treatment	21-024(l)-99	Tank, sump, and outfall	8.8	Los Alamos/Pueblo	Middle Los Alamos
21-024(n)	Drainline			8.8	Los Alamos/Pueblo	Middle Los Alamos
21-026(a)	Industrial or sanitary wastewater treatment	21-026(a)-99	Former sewage treatment plant	10.6	Los Alamos/Pueblo	Middle Los Alamos
21-026(b)	Surface disposal site (sand filter / sludge drying beds)	21-026(a)-99	Former sewage treatment plant	15.8	Los Alamos/Pueblo	Middle Los Alamos
21-026(c)	Wastewater treatment facility (dosing siphon chamber)	21-026(a)-99	Former sewage treatment plant		Los Alamos/Pueblo	Middle Los Alamos
21-026(d)	Outfall	21-026(a)-99	Former sewage treatment plant	39.5	Los Alamos/Pueblo	Middle Los Alamos
21-027(c)	Industrial or sanitary wastewater treatment			8.8	Los Alamos/Pueblo	Middle Los Alamos
21-028(a)	Container storage	21-016(a)-99	Material disposal area (MDA T)		Los Alamos/Pueblo	Middle Los Alamos
21-028(c)	Container storage building 21-3				Los Alamos/Pueblo	Middle Los Alamos
21-028(d)	Container storage				Los Alamos/Pueblo	Middle Los Alamos
22-010(a)	Septic system			11.8	Pajarito	Twomile
22-010(b)	Septic system	22-015(d)-99	Septic system	27.6	Pajarito	Starmer/Upper Pajarito
22-011	Disposal pit			15.3	Pajarito	Starmer/Upper Pajarito
22-012	Decontamination facility	22-015(d)-99	Septic system	17.5	Pajarito	Starmer/Upper Pajarito

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
22-014(a)	Industrial or sanitary wastewater treatment			3.6	Pajarito	Twomile
22-015(a)	Drainlines and dry wells			34.6	Pajarito	Twomile
22-015(b)	Sump and outfall			8.8	Pajarito	Twomile
22-015(d)	Drainline and outfall	22-015(d)-99	Septic system	39.8	Pajarito	Starmer/Upper Pajarito
22-015(e)	Industrial or sanitary wastewater treatment	22-015(d)-99	Septic system	17.5	Pajarito	Starmer/Upper Pajarito
22-016	Septic system	22-015(d)-99	Septic system	27.6	Pajarito	Starmer/Upper Pajarito
26-002(a)	Former acid sump system			27	Los Alamos/Pueblo	Middle Los Alamos
26-002(b)	Former drainage system			27	Los Alamos/Pueblo	Middle Los Alamos
26-003	Septic tank			20.5	Los Alamos/Pueblo	Middle Los Alamos
27-002	Firing sites (inactive)			15.6	Pajarito	Lower Pajarito
27-003	Bazooka impact area			34.3	Pajarito	Lower Pajarito
31-001	Septic system			18.8	Los Alamos/Pueblo	Pueblo
32-001	Incinerator (former location)			3.6	Los Alamos/Pueblo	Upper Los Alamos
32-002(a)	Septic tank (former location); drainlines			15.8	Los Alamos/Pueblo	Upper Los Alamos
32-002(b)	Septic system			15.8	Los Alamos/Pueblo	Upper Los Alamos
32-003	Transformer site (former location)			33.7	Los Alamos/Pueblo	Upper Los Alamos
33-001(a)	Material disposal area (MDA E)	33-001(a)-99	Material disposal area (MDA E)	35	Chaquehui	Chaquehui
33-001(b)	Material disposal area (MDA E)	33-001(a)-99	Material disposal area (MDA E)	35	Chaquehui	Chaquehui
33-001(c)	Material disposal area (MDA E)	33-001(a)-99	Material disposal area (MDA E)	35	Chaquehui	Chaquehui
33-001(d)	Material disposal area (MDA E)	33-001(a)-99	Material disposal area (MDA E)	35	Chaquehui	Chaquehui
33-001(e)	Material disposal area (MDA E)	33-001(a)-99	Material disposal area (MDA E)	35	Chaquehui	Chaquehui
33-002(a)	Material disposal area (MDA K) - septic tank	33-002(a)-99	Material disposal area (MDA K)	15.7	Chaquehui	Chaquehui
33-002(b)	Material disposal area (MDA K) - sump	33-002(a)-99	Material disposal area (MDA K)	3.6	Chaquehui	Chaquehui
33-002(c)	Material disposal area (MDA K) - sump	33-002(a)-99	Material disposal area (MDA K)	15.3	Chaquehui	Chaquehui
33-002(d)	Material disposal area (MDA K) - drainline and outfall	33-002(a)-99	Material disposal area (MDA K)	26.2	Chaquehui	Chaquehui
33-002(e)	Material disposal area (MDA K) - drainline and outfall	33-002(a)-99	Material disposal area (MDA K)	22.7	Chaquehui	Chaquehui
33-003(a)	Material disposal area (MDA D)	33-003(a)-99	Material disposal area (MDA D)	20.5	Ancho	South Ancho
33-003(b)	Material disposal area (MDA D)	33-003(a)-99	Material disposal area (MDA D)	8.8	Ancho	South Ancho
33-004(a)	Septic system	33-004(a)-00	Firing site - Main Site	21	Chaquehui	Chaquehui
33-004(b)	Septic system			15.3	Chaquehui	Chaquehui

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
33-004(c)	Septic system			8.8	Ancho	South Ancho
33-004(g)	Outfall	33-004(g)-00	Firing site - Area 6	14	Chaquehui	Chaquehui
33-004(i)	Outfall	33-004(a)-00	Firing site - Main Site	39.8	Chaquehui	Chaquehui
33-004(k)	Outfall			14	Ancho	South Ancho
33-004(m)	Septic system			8.8	Chaquehui	Chaquehui
33-006(b)	Firing range (inactive)	33-006(b)-00	Firing site - East Site	14	Ancho	South Ancho
33-007(a)	Firing range (inactive)	33-006(b)-00	Firing site - East Site	15.8	Ancho	South Ancho
33-007(c)	Firing range (inactive)	33-004(g)-00	Firing site - Area 6	24.8	Chaquehui	Chaquehui
33-008(a)	Landfill	33-004(j)-00	Firing site - South Site	20.9	Chaquehui	Chaquehui
33-008(b)	Landfill	33-006(b)-00	Firing site - East Site	15.8	Ancho	South Ancho
33-009	Surface disposal - PCB only site			27	Chaquehui	Chaquehui
33-010(h)	Surface disposal	33-004(j)-00	Firing site - South Site	32.8	Chaquehui	Chaquehui
33-011(a)	Storage area	33-005(a)-00	Former structures - Main Site	33.2	Chaquehui	Chaquehui
33-011(c)	Storage area	33-004(j)-00	Firing site - South Site	8.8	Chaquehui	Chaquehui
33-011(d)	Storage area	33-004(a)-00	Firing site - Main Site	34.6	Chaquehui	Chaquehui
33-011(e)	Drum storage			32.5	Chaquehui	Chaquehui
33-012(a)	Drum storage - PCB only site			21	Chaquehui	Chaquehui
33-013	Storage area			10.6	Chaquehui	Chaquehui
33-014	Burn site	33-004(j)-00	Firing site - South Site	15.3	Chaquehui	Chaquehui
33-017	Operational release	33-004(a)-00	Firing site - Main Site	22.3	Chaquehui	Chaquehui
35-002	Material disposal area (MDA X)			3.6	Mortandad	Middle Mortandad/Ten-Site
35-003(a)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	27.6	Mortandad	Middle Mortandad/Ten-Site
35-003(b)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	27.6	Mortandad	Middle Mortandad/Ten-Site
35-003(c)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	27.6	Mortandad	Middle Mortandad/Ten-Site
35-003(e)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	32.5	Mortandad	Middle Mortandad/Ten-Site
35-003(f)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	32.5	Mortandad	Middle Mortandad/Ten-Site
35-003(g)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	32.5	Mortandad	Middle Mortandad/Ten-Site
35-003(j)	Wastewater treatment facility	35-003(j)-99	Former structures	34.6	Mortandad	Middle Mortandad/Ten-Site
35-003(k)	Wastewater treatment facility	35-003(j)-99	Former structures	34.6	Mortandad	Middle Mortandad/Ten-Site
35-003(m)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	32.5	Mortandad	Middle Mortandad/Ten-Site
35-003(misc)	Industrial waste lines	35-003(a)-99	Wastewater treatment plant	27.5	Mortandad	Middle Mortandad/Ten-Site
35-003(n)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	27.6	Mortandad	Middle Mortandad/Ten-Site
35-003(o)	Wastewater treatment facility	35-003(a)-99	Wastewater treatment plant	32.5	Mortandad	Middle Mortandad/Ten-Site
35-004(a)	Storage areas			3.6	Mortandad	Middle Mortandad/Ten-Site
35-004(b)	Storage areas			22.3	Mortandad	Middle Mortandad/Ten-Site

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
35-004(g)	Container storage area	35-004(g)-00	Septic system	3.6	Mortandad	Middle Mortandad/Ten-Site
35-004(m)	Container storage area	35-014(g)-00	Soil contamination area	3.6	Mortandad	Middle Mortandad/Ten-Site
35-009(a)	Septic system			22.3	Mortandad	Middle Mortandad/Ten-Site
35-009(b)	Septic system	35-004(g)-00	Septic system	3.6	Mortandad	Middle Mortandad/Ten-Site
35-009(c)	Septic system			18.3	Mortandad	Middle Mortandad/Ten-Site
35-009(d)	Septic system			32.8	Mortandad	Middle Mortandad/Ten-Site
35-009(e)	Septic system			18.3	Mortandad	Middle Mortandad/Ten-Site
35-010(a)	Sanitary lagoon	35-010(a)-99	Former surface impoundment	20.8	Mortandad	Middle Mortandad/Ten-Site
35-010(b)	Sanitary lagoon	35-010(a)-99	Former surface impoundment	20.8	Mortandad	Middle Mortandad/Ten-Site
35-010(c)	Sanitary lagoon	35-010(a)-99	Former surface impoundment	20.8	Mortandad	Middle Mortandad/Ten-Site
35-010(d)	Sand filters	35-010(a)-99	Former surface impoundment	15.6	Mortandad	Middle Mortandad/Ten-Site
35-010(e)	Discharge headwall from sand filter	35-010(a)-99	Former surface impoundment	24.8	Mortandad	Middle Mortandad/Ten-Site
35-013(a)	Sump			3.6	Mortandad	Upper Mortandad
35-013(b)	Sump			3.6	Mortandad	Middle Mortandad/Ten-Site
35-013(c)	Sump			3.6	Mortandad	Middle Mortandad/Ten-Site
35-014(a)	Operational release			10.6	Mortandad	Middle Mortandad/Ten-Site
35-014(b)	Leaking drum	35-003(j)-99	Former structures	10.6	Mortandad	Middle Mortandad/Ten-Site
35-014(d)	Operational release	35-003(j)-99	Former structures	15.8	Mortandad	Middle Mortandad/Ten-Site
35-014(f)	Soil contamination			3.6	Mortandad	Middle Mortandad/Ten-Site
35-014(g)	Soil contamination	35-014(g)-00	Soil contamination area	39.8	Mortandad	Middle Mortandad/Ten-Site
35-014(g2)	Soil contamination	35-014(g)-00	Soil contamination area	3.6	Mortandad	Middle Mortandad/Ten-Site
35-014(g3)	Soil contamination			39.8	Mortandad	Middle Mortandad/Ten-Site
35-015(a)	Soil contamination			3.6	Mortandad	Middle Mortandad/Ten-Site
35-015(b)	Waste oil treatment	35-003(j)-99	Former structures	34.6	Mortandad	Middle Mortandad/Ten-Site
35-016(j)	Storm drain			24	Mortandad	Middle Mortandad/Ten-Site
35-018(a)	Transformer			15.8	Mortandad	Middle Mortandad/Ten-Site
36-002	Sump			15.8	Pajarito	Threemile
36-003(a)	Septic system			15.3	Pajarito	Threemile
36-004(d)	Firing site (Lower Slobbovia, skunk works, burn pit) (active)			33	Water/Canon de Valle	Potrillo/Fence
39-001(a)	Landfill			20.8	Ancho	North Ancho
39-001(b)	Material disposal area (MDA Y)	39-001(b)-00	Material disposal area (MDA Y)	15.6	Ancho	North Ancho
39-002(a)	Storage area			20.8	Ancho	North Ancho
39-002(b)	Storage area			15.6	Ancho	North Ancho
39-002(c)	Storage area			29.5	Ancho	North Ancho

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
39-005	Seepage pit			15.8	Ancho	North Ancho
39-006(a)	Septic system			15.6	Ancho	North Ancho
39-007(a)	Storage area			15.6	Ancho	North Ancho
39-007(d)	Storage area			10.6	Ancho	North Ancho
39-008	Firing range (inactive)	39-001(b)-00	Material disposal area (MDA Y)	29.5	Ancho	North Ancho
39-010	Excavated soil dump			22.5	Ancho	North Ancho
40-001(b)	Septic system			14	Pajarito	Twomile
40-001(c)	Septic system			3.6	Pajarito	Starmer/Upper Pajarito
40-004	Operational release			3.6	Pajarito	Starmer/Upper Pajarito
40-005	Sump			39.8	Pajarito	Twomile
41-001	Septic system			27.3	Los Alamos/Pueblo	Upper Los Alamos
41-002(a)	Wastewater treatment facility	41-002(a)-99	TA-41 Sewage Treatment Plant	27.3	Los Alamos/Pueblo	Upper Los Alamos
41-002(b)	Wastewater treatment facility	41-002(a)-99	TA-41 Sewage Treatment Plant	33	Los Alamos/Pueblo	Upper Los Alamos
41-002(c)	Wastewater treatment facility	41-002(a)-99	TA-41 Sewage Treatment Plant	33	Los Alamos/Pueblo	Upper Los Alamos
41-003	Sump			15.6	Los Alamos/Pueblo	Upper Los Alamos
42-003	Septic system (former location)	42-001(a)-99	TA-42 incinerator complex	35.8	Mortandad	Upper Mortandad
43-001(a1)	Waste lines (pre-1981)			10.6	Los Alamos/Pueblo	Upper Los Alamos
43-001(a2)	Waste lines (post-1981)				Los Alamos/Pueblo	Upper Los Alamos
43-001(b2)	Outfall			26.7	Los Alamos/Pueblo	Upper Los Alamos
43-002	Incinerator			3.6	Los Alamos/Pueblo	Upper Los Alamos
45-002	Vehicle decontamination facility	45-001-00	Wastewater treatment plant - TA-45	27.6	Los Alamos/Pueblo	Pueblo
45-003	Waste lines	45-001-00	Wastewater treatment plant - TA-45	27.6	Los Alamos/Pueblo	Pueblo
46-003(c)	Septic system			22.3	Mortandad	Upper Canada del Buey
46-003(d)	Septic system			31.4	Mortandad	Upper Canada del Buey
46-003(f)	Septic system			29.2	Mortandad	Upper Canada del Buey
46-003(g)	Septic system			36.6	Mortandad	Upper Canada del Buey
46-003(h)	Operational release			8.8	Mortandad	Upper Canada del Buey
46-004(b)	Operational release				Mortandad	Upper Canada del Buey
46-004(b2)	Operational release			27.5	Mortandad	Upper Canada del Buey
46-004(c)	Sump			10.6	Mortandad	Upper Canada del Buey
46-004(d)	Sump	46-004(d)-99	Dry wells	10.6	Mortandad	Upper Canada del Buey
46-004(e)	Sump	46-004(d)-99	Dry wells	10.6	Mortandad	Upper Canada del Buey
46-004(e2)	Outfall from Building 46-42				Mortandad	Upper Canada del Buey
46-004(f)	Outfall			37.6	Mortandad	Upper Canada del Buey
46-004(f2)	Outfall from Building 46-31				Mortandad	Upper Canada del Buey

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
46-004(p)	Sump			3.6	Mortandad	Upper Canada del Buey
46-004(r)	Outfall			37.6	Mortandad	Upper Canada del Buey
46-004(w)	Outfall			37.6	Mortandad	Upper Canada del Buey
46-006(a)	Operational release			30.5	Mortandad	Upper Canada del Buey
46-006(b)	Operational release			10.6	Mortandad	Upper Canada del Buey
46-006(c)	Operational release			30.3	Mortandad	Upper Canada del Buey
46-006(f)	Storage area			34.6	Mortandad	Upper Canada del Buey
46-006(g)	Operational release			29.2	Mortandad	Upper Canada del Buey
46-007	Operational release			22.8	Mortandad	Upper Canada del Buey
46-008(a)	Storage area			17.5	Mortandad	Upper Canada del Buey
46-008(b)	Storage area			22.8	Mortandad	Upper Canada del Buey
46-008(d)	Storage area			10.6	Mortandad	Upper Canada del Buey
46-008(e)	Storage area			3.6	Mortandad	Upper Canada del Buey
46-008(f)	Storage area			17.5	Mortandad	Upper Canada del Buey
46-010(d)	Operational release SAA			30.1	Mortandad	Upper Canada del Buey
48-001	Air exhaust system			34	Mortandad	Upper Mortandad
48-002(a)	Container storage area			15.3	Mortandad	Upper Mortandad
48-002(b)	Container storage area			15.3	Mortandad	Upper Mortandad
48-002(e)	Container storage			10.6	Mortandad	Upper Mortandad
48-004(a)	Sumps and tanks	48-004(a)-99	Sumps and tanks	3.6	Mortandad	Upper Mortandad
48-004(b)	Sumps and tanks	48-004(a)-99	Sumps and tanks	27.5	Mortandad	Upper Mortandad
48-004(c)	Sumps and tanks	48-004(a)-99	Sumps and tanks	29.2	Mortandad	Upper Mortandad
48-005	Waste lines			10.6	Mortandad	Upper Mortandad
48-011	Disposal shaft				Mortandad	Upper Mortandad
48-012	Soil Contamination				Mortandad	Upper Mortandad
49-001(b)	Material disposal area (MDA AB) (experimental shafts)	49-001(a)-00	Material disposal area (MDA AB)	34.6	Ancho	North Ancho
49-001(c)	Material disposal area (MDA AB) (experimental shafts)	49-001(a)-00	Material disposal area (MDA AB)	17.5	Ancho	North Ancho
49-001(d)	Material disposal area (MDA AB) (experimental shafts)	49-001(a)-00	Material disposal area (MDA AB)	3.6	Ancho	North Ancho
49-001(e)	Material disposal area (MDA AB) (experimental shafts)	49-001(a)-00	Material disposal area (MDA AB)	26.7	Ancho	South Ancho
49-001(f)	Material disposal area (MDA AB) (experimental shafts)	49-001(a)-00	Material disposal area (MDA AB)	14	Ancho	South Ancho
49-002	Operational facility (Area 10 underground chamber)			20.5	Ancho	North Ancho

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
49-003	Leach field (Area 11 rad/chem and small shot area)			36.8	Ancho	North Ancho
49-004	Burn site and landfill (Area 6)			35	Water/Canon de Valle	Lower Water/Indio
49-006	Sump (Area 5)			3.6	Ancho	North Ancho
49-008(a)	Soil contamination (Area 5)			3.6	Ancho	North Ancho
49-008(b)	Soil contamination (Area 6)			3.6	Ancho	South Ancho
49-008(c)	Soil contamination (Area 11)			3.6	Ancho	North Ancho
49-008(d)	Firing sites (Bottle House area) soil contamination and underground chamber (inactive)			8.8	Ancho	North Ancho
50-001(a)	Waste treatment facility TA-50-1 - RCRA Unit (active)			8.8	Mortandad	Middle Mortandad/Ten-Site
50-001(b)	Waste lines and manholes				Mortandad	Middle Mortandad/Ten-Site
50-002(a)	Underground tanks			15.8	Mortandad	Middle Mortandad/Ten-Site
50-002(b)	Underground tank	50-002(b)-00	Vaulted underground tanks for TA-55 wastes	8.8	Mortandad	Middle Mortandad/Ten-Site
50-002(c)	Underground tank	50-002(b)-00	Vaulted underground tanks for TA-55 wastes	8.8	Mortandad	Middle Mortandad/Ten-Site
50-002(d)	Aboveground storage tank				Mortandad	Middle Mortandad/Ten-Site
50-003(a)	Container storage area				Mortandad	Middle Mortandad/Ten-Site
50-004(a)	Waste lines	50-004(a)-00	Historical waste lines and underground vault, Radioactive Liquid Waste Treatment Facility	38.6	Mortandad	Middle Mortandad/Ten-Site
50-004(b)	Underground tanks	50-004(a)-00	Historical waste lines and underground vault, Radioactive Liquid Waste Treatment Facility	38.6	Mortandad	Middle Mortandad/Ten-Site
50-004(c)	Waste lines	50-004(a)-00	Historical waste lines and underground vault, Radioactive Liquid Waste Treatment Facility	10.6	Mortandad	Middle Mortandad/Ten-Site
50-006(c)	Operational release			38.6	Mortandad	Middle Mortandad/Ten-Site
50-007	Incinerator			38.6	Mortandad	Middle Mortandad/Ten-Site
50-008	Reduction site			38.6	Mortandad	Middle Mortandad/Ten-Site
50-010	Decontamination facility				Mortandad	Middle Mortandad/Ten-Site
50-011(a)	Septic system			38.6	Mortandad	Middle Mortandad/Ten-Site
50-011(b)	Lift stations				Mortandad	Middle Mortandad/Ten-Site
51-001	Septic system			8.8	Mortandad	Middle Canada del Buey
52-001(d)	UHTREX equipment			3.6	Mortandad	Upper Canada del Buey
52-002(a)	Septic system			3.6	Mortandad	Middle Mortandad/Ten-Site
52-003(a)	Waste treatment facility				Mortandad	Middle Mortandad/Ten-Site

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
53-001(a)	Storage area - PCB only site			10.6	Sandia	Lower Sandia
53-001(b)	Storage area			3.6	Sandia	Lower Sandia
53-002(b)	Disposal lagoon RCRA corrective action (active)	53-002(a)-99	Former surface impoundment	3.6	Sandia	Lower Sandia
53-005	Disposal pit			18	Sandia	Lower Sandia
53-006(b)	Underground tank	53-006(b)-99	Underground tank	3.6	Sandia	Lower Sandia
53-006(c)	Underground tank	53-006(b)-99	Underground tank	3.6	Sandia	Lower Sandia
53-006(d)	Underground tank	53-006(d)-99	Underground tank	3.6	Sandia	Lower Sandia
53-006(e)	Underground tank	53-006(d)-99	Underground tank	3.6	Sandia	Lower Sandia
53-006(f)	Underground tank			3.6	Sandia	Lower Sandia
53-007(a)	Aboveground neutralizer tank			3.6	Sandia	Lower Sandia
53-009	Aboveground tanks (3)				Sandia	Lower Sandia
53-010	Container storage				Sandia	Lower Sandia
53-012(e)	Outfall			15.8	Sandia	Lower Sandia
53-013	Soil Contamination -lead storage site I				Sandia	Lower Sandia
53-015	Radioactive Liquid Waste Treatment System				Sandia	Lower Sandia
54-001(a)	Storage area			22.3	Mortandad	Middle Canada del Buey
54-001(b)	Storage area				Mortandad	Middle Canada del Buey
54-001(d)	Storage area			3.6	Mortandad	Middle Canada del Buey
54-001(e)	Storage area				Mortandad	Middle Canada del Buey
54-002	Storage area (gas cylinder storage area)				Mortandad	Middle Canada del Buey
54-005	Material disposal area (MDA J) (Pits 1-5, Shafts 1-4)			20.9	Pajarito	Starmer/Upper Pajarito
54-006	Material disposal area (MDA L) (all subsurface units such as Pit A, SI B,C,D, Shafts 1-28, 29-34)			10.6	Mortandad	Middle Canada del Buey
54-007(a)	Septic system			20.5	Pajarito	Lower Pajarito
54-007(d)	Septic system			23.3	Pajarito	Lower Pajarito
54-009	Aboveground tanks (treatment tanks)				Pajarito	Lower Pajarito
54-012(a)	Former reduction site (drum compactor)				Pajarito	Lower Pajarito
54-012(b)	Reduction site			22.3	Pajarito	Lower Pajarito
54-013(b)	Material disposal area (MDA G) disposal pit (truck washing pit converted to Pit 19)	54-013(b)-99	Material disposal area (MDA G) subsurface waste ma	3.6	Pajarito	Lower Pajarito
54-014(a)	Material disposal area (MDA L) storage shafts (Pb stringer shafts)				Pajarito	Lower Pajarito

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
54-014(b)	Material disposal area (MDA G) storage pit (Pit 9, TRU waste)	54-013(b)-99	Material disposal area (MDA G) subsurface waste ma	14	Pajarito	Lower Pajarito
54-014(c)	Material disposal area (MDA G) storage shafts (shafts 200-233)	54-013(b)-99	Material disposal area (MDA G) subsurface waste ma	39.8	Pajarito	Lower Pajarito
54-015(a)	Storage area (surface corrosive inhibitor)			3.6	Pajarito	Lower Pajarito
54-015(b)	Pit 39- LLW disposal area (former TRU surface storage)			27	Pajarito	Lower Pajarito
54-015(c)	Storage area, TRU Pad 1			3.6	Pajarito	Lower Pajarito
54-015(d)	Storage area, TRU Pad 2			27	Pajarito	Lower Pajarito
54-015(e)	Storage area, TRU Pad 3			3.6	Pajarito	Lower Pajarito
54-015(f)	Storage area, TRU Pad 4			27	Pajarito	Lower Pajarito
54-015(j)	Storage area (Dome #49, mixed waste sludge)				Pajarito	Lower Pajarito
54-015(k)	Storage area (TRU waste mound)	54-013(b)-99	Material disposal area (MDA G) subsurface waste ma	18	Pajarito	Lower Pajarito
54-016(b)	Sump				Pajarito	Lower Pajarito
54-019	Material disposal area (MDA G) disposal shafts (active before 11/19/80)	54-013(b)-99	Material disposal area (MDA G) subsurface waste ma	27.5	Pajarito	Lower Pajarito
55-008	Sumps and tanks			3.6	Mortandad	Upper Mortandad
55-009	Concrete enclosure			10.6	Mortandad	Upper Mortandad
57-001(b)	Settling ponds			22.3	Lake Fork	Lake Fork
57-001(c)	Settling pond				Lake Fork	Lake Fork
57-002	Sludge pit			15.3	Lake Fork	Lake Fork
57-004(a)	Settling ponds			15.3	Lake Fork	Lake Fork
57-004(b)	Settling pond				Lake Fork	Lake Fork
57-006	Drum and contents, Fenton Hill (removed)			15.8	Lake Fork	Lake Fork
57-007	Leach field			15.8	Lake Fork	Lake Fork
59-004	Outfall			24	Pajarito	Twomile
60-002	Storage area			3.6	Sandia	Upper Sandia
60-004(b)	Storage area			8.8	Sandia	Upper Sandia
60-004(c)	Storage area				Mortandad	Middle Mortandad/Ten-Site
60-004(d)	Storage area			8.8	Sandia	Upper Sandia
60-004(e)	Storage area			32.5	Mortandad	Middle Mortandad/Ten-Site
60-004(f)	Storage area				Sandia	Upper Sandia
60-005(a)	Surface impoundment -formerly SWMU 03-029(a)			15.3	Mortandad	Middle Mortandad/Ten-Site

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
60-006(a)	Septic system			22.3	Sandia	Upper Sandia
60-007(a)	Systematic or intent. prod. release			15.3	Sandia	Upper Sandia
61-002	Transformer storage area - PCB only site			10.6	Sandia	Upper Sandia
61-005	Landfill (Los Alamos municipal)			27	Sandia	Upper Sandia
61-006	Waste oil tank			22.3	Sandia	Upper Sandia
63-001(a)	Septic system			24	Mortandad	Middle Mortandad/Ten-Site
63-001(b)	Septic system			24	Mortandad	Middle Mortandad/Ten-Site
69-001	Incinerator and associated equipment			27.5	Pajarito	Twomile
73-001(b)	Surface disposal site (waste oil pit)	73-001(b)-99	Former landfill	22.3	Los Alamos/Pueblo	Pueblo
73-001(c)	Landfill	73-001(b)-99	Former landfill	3.6	Los Alamos/Pueblo	Pueblo
73-001(d)	Landfill	73-001(b)-99	Former landfill	22.3	Los Alamos/Pueblo	Pueblo
73-003	Steam cleaning plant	73-002-99	Miscellaneous airport structures	10.6	Los Alamos/Pueblo	Pueblo
73-004(a)	Septic tank	73-002-99	Miscellaneous airport structures	3.6	Los Alamos/Pueblo	Pueblo
73-004(b)	Septic tank	73-002-99	Miscellaneous airport structures	10.6	Los Alamos/Pueblo	Pueblo
73-004(c)	Septic system			10.6	Los Alamos/Pueblo	Pueblo
C-00-001	Guaje Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-002	Rendija Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-003	Barrancas Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-004	Bayo Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-005	Pueblo Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-006	Los Alamos Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-007	Sandia Canyon				Sandia	Sandia Canyons
C-00-008	Mortandad Canyon				Mortandad	Mortandad/Canada del Buey Canyons
C-00-009	Canada del Buey Canyon				Mortandad	Mortandad/Canada del Buey Canyons
C-00-010	TwoMile Canyon				Pajarito	Pajarito Canyons
C-00-011	Pajarito Canyon				Pajarito	Pajarito Canyons
C-00-012	Three Mile Canyon				Pajarito	Pajarito Canyons
C-00-013	Potrillo Canyon				Water/Canon de Valle	Water/Valle Canyons
C-00-014	Canon de Valle Canyon				Water/Canon de Valle	Water/Valle Canyons
C-00-015	Fence Canyon				Water/Canon de Valle	Water/Valle Canyons
C-00-016	Water Canyon				Water/Canon de Valle	Water/Valle Canyons
C-00-017	Indio Canyon				Water/Canon de Valle	Water/Valle Canyons
C-00-018	Ancho Canyon				Ancho	Ancho Canyons
C-00-019	Chaquehui Canyon				Chaquehui	Chaquehui Canyons

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
C-00-020	Mortar impact area				Los Alamos/Pueblo	Rendija/Barrancas/Guaje
C-00-021	DP Canyon				Los Alamos/Pueblo	LA/Pueblo Canyons
C-00-037	Landfill, Bandelier NM				Frijoles	Frijoles
C-00-038	Surface disposal, Bandelier NM				Frijoles	Frijoles
C-00-042	Tank (formerly part of SWMU 00-032)				Los Alamos/Pueblo	Upper Los Alamos
C-00-043	Manhole (removed)				Los Alamos/Pueblo	Pueblo
C-03-006	One-time spill				Mortandad	Upper Mortandad
C-03-014	Storage area	03-049(b)-00	Miscellaneous	22.3	Mortandad	Upper Mortandad
C-03-016	Oil metal bin			15.3	Sandia	Upper Sandia
C-06-001	Building			8.8	Pajarito	Twomile
C-06-005	Building TA-6-13 chemistry laboratory, assembly, and storage	06-002-00	Firing site - eastern aggregate	3.6	Pajarito	Twomile
C-06-006	Building TA-6-14 used for explosives pressing and storage	06-002-00	Firing site - eastern aggregate	3.6	Pajarito	Twomile
C-06-016	Building TA-6-28, magazine used for explosives storage	06-002-00	Firing site - eastern aggregate	3.6	Pajarito	Twomile
C-06-019	Building	06-003(a)-99	Former firing site		Pajarito	Twomile
C-08-010	Building			17.5	Pajarito	Starmer/Upper Pajarito
C-08-014	Laboratory				Pajarito	Starmer/Upper Pajarito
C-09-001	Soil contamination			33.7	Pajarito	Starmer/Upper Pajarito
C-10-001	Surface soil, Bayo Canyon			15.6	Los Alamos/Pueblo	Bayo
C-11-001	Laboratory	11-006(a)-99	Former firing site	3.6	Water/Canon de Valle	S-Site (Martin)
C-11-002	Laboratory			35	Water/Canon de Valle	S-Site (Martin)
C-12-001	Building				Pajarito	Threemile
C-12-002	Building				Pajarito	Threemile
C-12-003	Building				Pajarito	Starmer/Upper Pajarito
C-12-004	Building				Pajarito	Threemile
C-12-005	Building	12-001(a)-99	Former firing site		Pajarito	Threemile
C-14-001	Building			15.3	Water/Canon de Valle	Canon de Valle
C-14-003	Building			14	Water/Canon de Valle	Canon de Valle
C-14-004	Building			8.8	Water/Canon de Valle	Canon de Valle
C-14-005	Building			14	Water/Canon de Valle	Canon de Valle
C-14-006	Building			19.7	Pajarito	Threemile
C-14-007	Building			3.6	Water/Canon de Valle	Canon de Valle
C-14-008	Building	14-002(a)-99	Former firing site	8.8	Water/Canon de Valle	Canon de Valle
C-14-009	Building			29.6	Water/Canon de Valle	Canon de Valle

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
C-15-001	Surface disposal			15.7	Water/Canon de Valle	Canon de Valle
C-15-005	Former laboratory and building			3.6	Water/Canon de Valle	Potrillo/Fence
C-15-006	Building			3.6	Water/Canon de Valle	Potrillo/Fence
C-15-010	Former underground tank			8.8	Water/Canon de Valle	Canon de Valle
C-15-011	Former underground tank			10.6	Water/Canon de Valle	Lower Water/Indio
C-16-002	Building 16-262			3.6	Water/Canon de Valle	Canon de Valle
C-16-005	Building	16-029(b2)-99	Former structures (GMX-2 HE processing building)	3.6	Water/Canon de Valle	Upper Water
C-16-006	Building TA-16-148	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
C-16-011	Building TA-16-132			12.7	Water/Canon de Valle	Canon de Valle
C-16-025	Building	16-017(i)-99	Storage building	3.6	Water/Canon de Valle	Upper Water
C-16-026	Building	16-017(i)-99	Storage building	3.6	Water/Canon de Valle	Upper Water
C-16-028	Former structure			3.6	Water/Canon de Valle	Upper Water
C-16-030	Former structure			3.6	Water/Canon de Valle	Upper Water
C-16-031	Building			3.6	Water/Canon de Valle	Upper Water
C-16-060	Soil contamination area			8.8	Water/Canon de Valle	S-Site (Martin)
C-16-064	Drum storage area (HE scrap pick-up)	16-029(q)-99	HE machining building and associated structures	3.6	Water/Canon de Valle	Canon de Valle
C-16-065	Drum storage area TA-16-185	16-026(q)-99	20s-Line and associated structures	10.5	Water/Canon de Valle	Upper Water
C-16-067	Storage area	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	3.6	Water/Canon de Valle	Canon de Valle
C-16-068	Building 16-522	16-013-99	V-Site courtyard	8.8	Water/Canon de Valle	S-Site (Martin)
C-16-069	Media contamination area			3.6	Water/Canon de Valle	Upper Water
C-16-073	Underground tank			3.6	Water/Canon de Valle	Upper Water
C-16-074	Storage	16-013-99	V-Site courtyard	3.6	Water/Canon de Valle	S-Site (Martin)
C-16-075	Spill location near Building 16-340				Water/Canon de Valle	S-Site (Martin)
C-19-001	Soil contamination	19-001-99	Former East Gate Laboratory and septic system		Los Alamos/Pueblo	Pueblo
C-21-001	One-time spill Building 21-17				Los Alamos/Pueblo	Middle Los Alamos
C-21-005	One-time spill				Los Alamos/Pueblo	Middle Los Alamos
C-21-006	Non-intentional release area Building 21-2				Los Alamos/Pueblo	Middle Los Alamos
C-21-007	Non-intentional release area				Los Alamos/Pueblo	Middle Los Alamos
C-21-009	One-time spill	21-016(a)-99	Material disposal area (MDA T)		Los Alamos/Pueblo	Middle Los Alamos
C-21-012	One-time spill	21-016(a)-99	Material disposal area (MDA T)		Los Alamos/Pueblo	Middle Los Alamos
C-21-027	Machinery				Los Alamos/Pueblo	Middle Los Alamos
C-21-033	One-time spill				Los Alamos/Pueblo	Middle Los Alamos

Site ID	Site Name	Consolidated Unit ID	Consolidated Unit Name	Erosion Matrix Score	Watershed	Sub-Watershed
C-21-034	Tank				Los Alamos/Pueblo	Middle Los Alamos
C-21-035	Aboveground tank				Los Alamos/Pueblo	Middle Los Alamos
C-21-036	Aboveground tank				Los Alamos/Pueblo	Middle Los Alamos
C-21-037	Aboveground tank				Los Alamos/Pueblo	Middle Los Alamos
C-33-002	Transformer			8.8	Ancho	South Ancho
C-35-007	Soil contamination			39.5	Mortandad	Middle Mortandad/Ten-Site
C-36-006(e)	I-J Firing Site, projectile test area [duplicate of SWMU 15-006(e)] (active)			15.3	Water/Canon de Valle	Potrillo/Fence
C-45-001	Parking lot of former treatment plant (inactive)	45-001-00	Wastewater treatment plant - TA-45		Los Alamos/Pueblo	Rendija/Barrancas/Guaje
C-46-002	Stack emissions	46-004(d2)-99	Stack emissions/outfalls		Mortandad	Upper Canada del Buey
C-46-003	Stack emissions	46-004(d2)-99	Stack emissions/outfalls		Mortandad	Upper Canada del Buey
C-50-001	Transformer - PCB only site				Pajarito	Twomile
C-61-002	Subsurface contamination				Sandia	Upper Sandia

Appendix 6.
Sites with Medium Potential (40-60) and High Potential (>60) to Impact Surface Water Quality

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Site ID	Site Name	Site AA	Consolidated Unit ID	Consolidated Unit Name	Consolidated AA	Erosion Matrix Score	Watershed	Sub-Watershed	Formal NFA (Y/N)
Medium Potential Sites									
00-018(a)	Sludge-bed wastewater treatment plant, Pueblo Canyon	NMED				42.8	Los Alamos/Pueblo	Pueblo	No
00-019	Wastewater treatment plant, central	NMED				51.5	Los Alamos/Pueblo	Pueblo	No
00-030(g)	Septic system (near old Catholic Church parking lot)	NMED				47.2	Los Alamos/Pueblo	Pueblo	No
00-030(i)	Septic system	DOE				54.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-001(f)	Septic Tank 140 (hillside)	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	56.7	Los Alamos/Pueblo	Upper Los Alamos	No
01-003(d)	Surface disposal site	NMED				49.5	Los Alamos/Pueblo	Upper Los Alamos	No
02-003(a)	Valve house and gaseous effluent line	DOE				57.6	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-003(e)	Holding tank (near reactor water boiler)	DOE				40.5	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-006(b)	Acid waste line	NMED				51.8	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-007	Septic system	NMED	02-007-00	Former structures, Omega West Reactor	NMED	44.8	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-008(a)	Outfall	NMED				55.8	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-009(a)	Non-intentional release	NMED	02-007-00	Former structures, Omega West Reactor	NMED	57	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-009(b)	Non-intentional release	NMED	02-007-00	Former structures, Omega West Reactor	NMED	44.8	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-009(c)	Non-intentional release	NMED	02-007-00	Former structures, Omega West Reactor	NMED	51.3	Los Alamos/Pueblo	Middle Los Alamos/DP	No
02-011(a)	Storm drain and outfall	DOE				57	Los Alamos/Pueblo	Middle Los Alamos/DP	No
03-003(m)	Storage area (capacitor banks) - PCB only site	DOE				46.3	Sandia	Upper Sandia	No
03-009(d)	Surface disposal site	NMED				42.8	Pajarito	Twomile	No
03-013(a)	Operational release	NMED	03-013(a)-00	Drainlines and outfalls	NMED	45	Sandia	Upper Sandia	No
03-013(b)	Operational release	DOE				45	Sandia	Upper Sandia	No
03-014(b2)	Outfall	DOE	03-014(a)-99	Wastewater treatment plant	NMED	46.3	Sandia	Upper Sandia	No
03-029	Landfill	NMED	03-009(a)-00	Asphalt batch plant	NMED	44.3	Sandia	Upper Sandia	No
03-045(c)	Outfall	NMED	03-012(b)-00	Miscellaneous - TA-03 power plant	NMED	57.7	Sandia	Upper Sandia	No
03-052(f)	Storm drainage	NMED	03-013(a)-00	Drainlines and outfalls	NMED	45	Sandia	Upper Sandia	No
03-056(c)	Transformer storage area - PCB only site	NMED				45	Sandia	Upper Sandia	No
04-001	Firing site	NMED	04-001-99	Firing site - Alpha Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No
04-002	Surface disposal	NMED	04-001-99	Firing site - Alpha Site	NMED	51.5	Mortandad	Middle Mortandad/Ten Site	No
04-003(a)	Outfall	NMED	04-003(a)-00	Alpha Site Photoprocessing Building, drainlines, and outfall	NMED	57.3	Mortandad	Upper Canada del Buey	No
04-003(b)	Outfall	NMED	04-001-99	Firing site - Alpha Site	NMED	51.5	Mortandad	Middle Mortandad/Ten Site	No
04-004	Soil contamination beneath buildings	DOE	04-003(a)-00	Alpha Site Photoprocessing Building, drainlines, and outfall	NMED	57.3	Mortandad	Upper Canada del Buey	No
05-001(a)	Former firing site	NMED	05-001(a)-99	Firing site - Beta Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No
05-001(b)	Former firing site	NMED	05-001(a)-99	Firing site - Beta Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No

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Site ID	Site Name	Site AA	Consolidated Unit ID	Consolidated Unit Name	Consolidated AA	Erosion Matrix Score	Watershed	Sub-Watershed	Formal NFA (Y/N)
05-004	Former septic system	NMED				49.7	Mortandad	Lower Mortandad/Cedro	No
05-005(a)	Former French drain	NMED	05-005(a)-00	Firing site - Beta Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No
05-005(b)	Outfall	NMED	05-005(b)-00	Former structures	NMED	53.7	Mortandad	Lower Mortandad/Cedro	No
05-006(b)	Soil contamination beneath former buildings	NMED	05-005(a)-00	Firing site - Beta Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No
05-006(c)	Soil contamination beneath former buildings	NMED	05-005(b)-00	Former structures	NMED	53.7	Mortandad	Lower Mortandad/Cedro	No
05-006(e)	Soil contamination beneath former buildings	NMED	05-005(a)-00	Firing site - Beta Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No
05-006(h)	Soil contamination beneath former buildings	NMED	05-001(a)-99	Firing site - Beta Site	NMED	45	Mortandad	Middle Mortandad/Ten Site	No
06-007(g)	Building and surface disposal	NMED				50.8	Pajarito	Twomile	No
07-001(b)	Firing site (inactive)	NMED	07-001(a)-99	Former firing sites	NMED	55.5	Pajarito	Twomile	No
07-001(c)	Firing site (inactive)	NMED	07-001(a)-99	Former firing sites	NMED	46.7	Pajarito	Twomile	No
07-001(d)	Firing site (inactive)	NMED	07-001(a)-99	Former firing sites	NMED	55.5	Pajarito	Twomile	No
08-005	Container storage area	NMED				51	Pajarito	Upper Pajarito	No
08-006(a)	Material disposal area (MDA Q)	NMED				55.5	Pajarito	Upper Pajarito	No
08-009(d)	Industrial or sanitary wastewater treatment	NMED				40.2	Pajarito	Upper Pajarito	No
08-009(f)	Outfall	DOE				42	Pajarito	Upper Pajarito	No
09-004(o)	Settling tank	NMED				43.8	Pajarito	Upper Pajarito	No
09-005(a)	Septic system	NMED	09-008(b)-99	Septic tanks and sewage oxidation pond	NMED	51	Pajarito	Upper Pajarito	No
09-005(g)	Septic tank	NMED				51	Pajarito	Upper Pajarito	No
09-009	Surface impoundment	NMED				58.8	Pajarito	Upper Pajarito	No
09-013	Material disposal area (MDA M)	NMED				56	Pajarito	Upper Pajarito	No
11-001(c)	Firing site (inactive)	NMED				56.2	Water/Canon de Valle	Upper Water	No
11-003(b)	Air gun	DOE				55.5	Water/Canon de Valle	S-Site (Martin)	No
11-004(a)	Drop tower - firing site (active)	NMED	11-004(a)-99	Drop test tower and related structures	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
11-004(b)	Drop tower - firing site (active)	NMED	11-004(a)-99	Drop test tower and related structures	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
11-004(c)	Drop tower - firing site (active)	NMED	11-004(a)-99	Drop test tower and related structures	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
11-004(d)	Drop tower - firing site (active)	NMED	11-004(a)-99	Drop test tower and related structures	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
11-004(e)	Drop tower - firing site (active)	NMED	11-004(a)-99	Drop test tower and related structures	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
11-004(f)	Drop tower - firing site (active)	DOE	11-004(a)-99	Drop test tower and related structures	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
11-005(c)	Outfall (inactive)	NMED				59	Water/Canon de Valle	S-Site (Martin)	No
11-006(b)	Tank and/or associated equipment	NMED	11-006(a)-99	Former firing site	NMED	52	Water/Canon de Valle	S-Site (Martin)	No
14-001(g)	Firing site - Open Burn/Open Detonation (active)	DOE				53.3	Water/Canon de Valle	Canon de Valle	No
14-002(a)	Firing site (inactive)	NMED	14-002(a)-99	Former firing site	NMED	46.3	Water/Canon de Valle	Canon de Valle	No
14-002(d)	Firing site (inactive)	NMED	14-002(c)-99	Former firing site	NMED	40.8	Water/Canon de Valle	Canon de Valle	No
14-002(e)	Firing site (inactive)	NMED	14-002(c)-99	Former firing site	NMED	47.8	Water/Canon de Valle	Canon de Valle	No
14-005	Incinerator (active)	NMED				57.3	Water/Canon de Valle	Canon de Valle	No

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14-006	Tank and/or associated equipment	NMED				47.1	Water/Canon de Valle	Canon de Valle	No
14-009	Surface disposal site	NMED	14-002(a)-99	Former firing site	NMED	53.7	Water/Canon de Valle	Canon de Valle	No
14-010	Sump	NMED	14-002(a)-99	Former firing site	NMED	51.5	Water/Canon de Valle	Canon de Valle	No
15-007(b)	Material disposal area (MDA Z) landfill	NMED				40.2	Water/Canon de Valle	Canon de Valle	No
15-008(f)	I-J Firing Site mounds at TA-36 (active)	DOE				57.3	Water/Canon de Valle	Potrillo/Fence	No
15-009(e)	Septic system, E/F Site	NMED				44.7	Water/Canon de Valle	Potrillo/Fence	No
15-010(c)	Drainline	NMED				51.5	Water/Canon de Valle	Lower Water/Indio	No
15-014(g)	Industrial or sanitary wastewater treatment	DOE				55.5	Water/Canon de Valle	Canon de Valle	No
16-001(b)	Dry wells	NMED	16-001(a)-99	Former steam plant	NMED	45	Water/Canon de Valle	Canon de Valle	No
16-001(c)	Tank	NMED	16-001(a)-99	Former steam plant	NMED	45	Water/Canon de Valle	Canon de Valle	No
16-001(d)	Dry well	NMED				45.6	Water/Canon de Valle	Upper Water	No
16-003(a)	Sump	NMED				55.5	Water/Canon de Valle	Upper Water	No
16-003(f)	Sump	NMED	16-003(d)-99	Sumps and associated dry well	NMED	56	Water/Canon de Valle	S-Site (Martin)	No
16-006(c)	Septic system	NMED	16-006(c)-00	Septic system	NMED	49.5	Water/Canon de Valle	Upper Water	No
16-006(g)	Septic tank	NMED	16-029(x)-99	V-Site: Buildings 16-100, 16-515 and associated structures	NMED	46	Water/Canon de Valle	S-Site (Martin)	No
16-010(b)	Flash pad; RCRA unit (undergoing closure)	NMED				55.5	Water/Canon de Valle	Canon de Valle	No
16-010(c)	Burn site 16-388 - RCRA Unit (active)	NMED				47.2	Water/Canon de Valle	Canon de Valle	No
16-010(d)	Burn site 16-399 - RCRA unit (active)	NMED				50.3	Water/Canon de Valle	Canon de Valle	No
16-016(d)	Surface disposal site	NMED				44.5	Water/Canon de Valle	Canon de Valle	No
16-016(g)	Surface disposal site	NMED				46.1	Water/Canon de Valle	Upper Water	No
16-026(j)	Outfall, 16-226	NMED				40.2	Water/Canon de Valle	Canon de Valle	No
16-026(z)	Outfall	NMED				49.6	Water/Canon de Valle	S-Site (Martin)	No
16-028(a)	South drainage channel	NMED				51.5	Water/Canon de Valle	Canon de Valle	No
16-028(e)	Industrial or sanitary wastewater treatment	NMED	16-029(g)-99	Sump and outfall, 16-450	NMED	47.2	Water/Canon de Valle	Upper Water	No
16-029(s)	Sump	NMED	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	NMED	45.5	Water/Canon de Valle	Canon de Valle	No
16-029(t)	Sump	NMED	16-008(a)-99	90s-Line: 16-89, 16-90, 16-91, 16-92, 16-93	NMED	41.5	Water/Canon de Valle	Canon de Valle	No
18-010(d)	Outfall	DOE				46.2	Pajarito	Lower Pajarito	No
18-012(a)	Outfall	NMED				59.2	Pajarito	Lower Pajarito	No
18-012(b)	Outfall	NMED	18-001(c)-00	Tanks, sumps, outfalls	NMED	46.6	Pajarito	Lower Pajarito	No
20-002(a)	Firing site	NMED	20-001(c)-00	Landfill	NMED	48.6	Sandia	Lower Sandia	No
20-003(c)	Firing site	DOE	20-001(b)-00	Firing site	NMED	57.4	Sandia	Lower Sandia	No
21-011(c)	Tank and sump	NMED	21-016(a)-99	Material disposal area (MDA T)	NMED	54	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-016(a)	Material disposal area (MDA T)	NMED	21-016(a)-99	Material disposal area (MDA T)	NMED	54	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-016(b)	Material disposal area (MDA T)	NMED	21-016(a)-99	Material disposal area (MDA T)	NMED	54	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-016(c)	Material disposal area (MDA T)	NMED	21-016(a)-99	Material disposal area (MDA T)	NMED	54	Los Alamos/Pueblo	Middle Los Alamos/DP	No

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21-024(e)	Septic system	NMED				56	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-024(h)	Septic system	NMED				54	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-024(i)	Septic system	NMED				53.7	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-027(a)	Industrial or sanitary wastewater treatment	NMED				52	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-027(d)	Drainline	NMED	21-027(d)-99	Aboveground storage tank and outfall	NMED	45	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-029	Soil contamination area	NMED				56.6	Los Alamos/Pueblo	Middle Los Alamos/DP	No
22-014(b)	Sump	NMED				56	Pajarito	Twomile	No
22-015(c)	Outfall	NMED				51.5	Pajarito	Upper Pajarito	No
32-004	Drainline and outfall	DOE				42	Los Alamos/Pueblo	Upper Los Alamos	No
33-004(d)	Septic system	NMED				56	Chaquehui	Chaquehui	No
33-004(h)	Outfall	NMED	33-004(a)-00	Firing site - Main Site	NMED	56.6	Chaquehui	Chaquehui	No
33-005(a)	Septic system	NMED	33-005(a)-00	Former structures - Main Site	NMED	49	Chaquehui	Chaquehui	No
33-005(b)	Septic system	NMED	33-005(a)-00	Former structures - Main Site	NMED	49	Chaquehui	Chaquehui	No
33-005(c)	Septic system	NMED	33-005(a)-00	Former structures - Main Site	NMED	49	Chaquehui	Chaquehui	No
33-006(a)	Firing site (inactive)	NMED	33-004(j)-00	Firing site - South Site	NMED	56	Chaquehui	Chaquehui	No
33-007(b)	Firing range (inactive)	NMED	33-004(j)-00	Firing site - South Site	NMED	59.3	Chaquehui	Chaquehui	No
33-008(c)	Landfill	DOE				56	Chaquehui	Chaquehui	No
33-010(a)	Surface disposal	NMED	33-006(b)-00	Firing site - East Site	NMED	53.2	Ancho	South Ancho	No
33-010(b)	Surface disposal	NMED				45	Ancho	South Ancho	No
33-010(d)	Surface disposal	NMED				45	Ancho	South Ancho	No
33-010(f)	Surface disposal	NMED	33-002(a)-99	Material disposal area (MDA K)	NMED	47.2	Chaquehui	Chaquehui	No
33-010(g)	Surface disposal	NMED				47.8	Chaquehui	Chaquehui	No
33-011(b)	Storage area	DOE				49	Chaquehui	Chaquehui	No
33-015	Incinerator	NMED	33-004(a)-00	Firing site - Main Site	NMED	50.8	Chaquehui	Chaquehui	No
33-016	Sump	NMED				54.5	Chaquehui	Chaquehui	No
35-003(d)	Wastewater treatment facility	NMED	35-003(d)-00	Wastewater treatment plant - Pratt Canyon	NMED	59	Mortandad	Middle Mortandad/Ten Site	No
35-003(h)	Wastewater treatment facility	NMED	35-003(a)-99	Wastewater treatment plant	NMED	44.2	Mortandad	Middle Mortandad/Ten Site	No
35-003(l)	Wastewater treatment facility	NMED	35-003(d)-00	Wastewater treatment plant - Pratt Canyon	NMED	59	Mortandad	Middle Mortandad/Ten Site	No
35-003(p)	Wastewater treatment facility	NMED	35-003(a)-99	Wastewater treatment plant	NMED	50.8	Mortandad	Middle Mortandad/Ten Site	No
35-003(q)	Wastewater treatment facility	NMED	35-003(d)-00	Wastewater treatment plant - Pratt Canyon	NMED	59	Mortandad	Middle Mortandad/Ten Site	No
35-004(h)	Container storage area	NMED				50.8	Mortandad	Middle Mortandad/Ten Site	No
35-014(e2)	Oil Spill	DOE	35-016(i)-00	Drainlines and outfalls	NMED	45.6	Mortandad	Middle Mortandad/Ten Site	No
35-016(c)	Outfall	NMED	35-016(c)-00	Drainlines and outfall	NMED	47.2	Mortandad	Middle Mortandad/Ten Site	No
35-016(k)	Drains and outfalls	NMED	35-016(k)-00	Drainlines and outfalls	NMED	53	Mortandad	Middle Mortandad/Ten Site	No
35-016(n)	Storm drain	DOE	35-014(g)-00	Soil contamination area	NMED	42.8	Mortandad	Middle Mortandad/Ten Site	No
36-001	Material disposal area (MDA AA)	NMED				45.7	Water/Canon de Valle	Potrillo/Fence	No
36-003(b)	Septic system, I-J Site	NMED				50.2	Water/Canon de Valle	Potrillo/Fence	No

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Site ID	Site Name	Site AA	Consolidated Unit ID	Consolidated Unit Name	Consolidated AA	Erosion Matrix Score	Watershed	Sub-Watershed	Formal NFA (Y/N)
36-004(a)	Firing site (active)	DOE	36-006-99	Former firing site	NMED	48.5	Water/Canon de Valle	Potrillo/Fence	No
36-004(b)	Firing site (active)	DOE				57.3	Water/Canon de Valle	Potrillo/Fence	No
36-004(e)	I-J Firing Site (active)	DOE				57.3	Water/Canon de Valle	Potrillo/Fence	No
36-005	Surface disposal site	NMED				45.4	Water/Canon de Valle	Potrillo/Fence	No
36-008	NEW SWMU - Surface disposal area located near TA-36-1	DOE				52	Pajarito	Threemile	No
40-003(a)	Scrap burn site - completed RCRA closure	NMED				46.3	Pajarito	Upper Pajarito	No
40-003(b)	Burning area/open detonation (closure)	DOE				46.3	Pajarito	Upper Pajarito	No
40-006(a)	Firing site (active)	NMED				56.2	Pajarito	Upper Pajarito	No
40-009	Landfill	NMED				54.5	Pajarito	Upper Pajarito	No
40-010	Surface disposal site	NMED				40.2	Pajarito	Upper Pajarito	No
45-001	Wastewater treatment facility	NMED	45-001-00	Wastewater treatment plant - TA-45	NMED	50.3	Los Alamos/Pueblo	Pueblo	No
45-004	Sanitary sewer outfall	NMED	45-001-00	Wastewater treatment plant - TA-45	NMED	50.2	Los Alamos/Pueblo	Pueblo	No
46-002	Surface impoundment	NMED				52.8	Mortandad	Upper Canada del Buey	No
46-003(a)	Septic system	NMED				44.7	Mortandad	Upper Canada del Buey	No
46-003(b)	Septic system	NMED				55.5	Mortandad	Upper Canada del Buey	No
46-003(e)	Septic system	NMED				50.8	Mortandad	Upper Canada del Buey	No
46-004(a)	Waste line	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(a2)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(c2)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(d2)	Stack emissions	NMED	46-004(d2)-99	Stack emissions/outfalls	NMED	56	Mortandad	Upper Canada del Buey	No
46-004(g)	Outfall / stack emissions	NMED	46-004(d2)-99	Stack emissions/outfalls	NMED	56	Mortandad	Upper Canada del Buey	No
46-004(h)	Outfall / stack emissions	NMED	46-004(d2)-99	Stack emissions/outfalls	NMED	56	Mortandad	Upper Canada del Buey	No
46-004(m)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(q)	Outfall	NMED				45	Mortandad	Upper Canada del Buey	No
46-004(s)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(u)	Outfall	NMED				45	Mortandad	Upper Canada del Buey	No
46-004(v)	Outfall	NMED				45	Mortandad	Upper Canada del Buey	No
46-004(x)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(y)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-004(z)	Outfall	NMED				49	Mortandad	Upper Canada del Buey	No
46-005	Surface impoundment	NMED				52.8	Mortandad	Upper Canada del Buey	No
46-006(d)	Operational release	NMED				49	Mortandad	Upper Canada del Buey	No
46-009(a)	Surface disposal	NMED				57	Mortandad	Upper Canada del Buey	No
48-003	Septic system	NMED				40.7	Mortandad	Upper Mortandad	No
48-007(a)	Drains and outfalls	NMED	48-007(a)-00	Drainlines and outfalls	NMED	55.8	Mortandad	Upper Mortandad	No
48-007(b)	Drains and outfalls	NMED				49.3	Mortandad	Upper Mortandad	No
48-007(d)	Drains and outfalls	NMED	48-007(a)-00	Drainlines and outfalls	NMED	55.8	Mortandad	Upper Mortandad	No
49-001(a)	Material disposal area (MDA AB) (experimental shafts)	NMED	49-001(a)-00	Material disposal area (MDA AB)	NMED	54.8	Water/Canon de Valle	Lower Water/Indio	No

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49-001(g)	Material disposal area (MDA AB) (miscellaneous)	NMED	49-001(a)-00	Material disposal area (MDA AB)	NMED	59.2	Water/Canon de Valle	Lower Water/Indio	No
50-009	Material disposal area (MDA C)	NMED				54.8	Mortandad	Middle Mortandad/Ten Site	No
53-002(a)	Disposal lagoon (NE, NW impoundments) (inactive)	NMED	53-002(a)-99	Former surface impoundment	NMED	47.8	Los Alamos/Pueblo	Middle Los Alamos/DP	No
54-004	Material disposal area (MDA H)	NMED				45.6	Pajarito	Upper Pajarito	No
54-018	Material disposal area (MDA G) disposal pits 27-33,35-37 (active after 11/19/80)	NMED	54-013(b)-99	Material disposal area (MDA G) subsurface waste management units	NMED	52.6	Pajarito	Lower Pajarito	No
54-020	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	NMED	54-013(b)-99	Material disposal area (MDA G) subsurface waste management units	NMED	53.7	Pajarito	Lower Pajarito	No
60-007(b)	Systematic or intent. prod. release	NMED				43.8	Sandia	Upper Sandia	No
61-007	Transformer site - systematic leak - PCB only site	NMED				43.8	Los Alamos/Pueblo	Upper Los Alamos	No
73-002	Incinerator surface disposal	NMED	73-002-99	Miscellaneous airport structures	NMED	56	Los Alamos/Pueblo	Pueblo	No
73-004(d)	Septic tank (landfill)	NMED	73-001(a)-99	Former landfill	NMED	46.7	Los Alamos/Pueblo	Pueblo	No
73-006	Airport building outfalls	NMED	73-002-99	Miscellaneous airport structures	NMED	56	Los Alamos/Pueblo	Pueblo	No
C-00-041	Asphalt and tar remnant site	DOE				42.8	Los Alamos/Pueblo	Rendija/Barrancas/Guaje	No
C-15-004	Transformers - PCB only site	DOE				43.9	Water/Canon de Valle	Potrillo/Fence	No
C-15-007	Non-intentional release	DOE				51.5	Water/Canon de Valle	Canon de Valle	No
C-33-001	Transformer	DOE				56	Chaquehui	Chaquehui	No
C-33-003	Soil contamination area	DOE				59	Chaquehui	Chaquehui	No
C-36-001	Containment vessel	DOE				57.3	Water/Canon de Valle	Potrillo/Fence	No
C-36-003	Storm drainages	NMED				52	Pajarito	Threemile	No
C-41-004	Storm drains	DOE				52.8	Los Alamos/Pueblo	Upper Los Alamos	No
C-43-001	Outfall	DOE				45.4	Los Alamos/Pueblo	Upper Los Alamos	No

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High Potential Sites									
00-011(d)	Mortar impact area	NMED				73.8	Los Alamos/Pueblo	Bayo	No
00-017	Waste lines	NMED				67.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-001(c)	Septic Tank 137	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	76.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-001(d)	Septic Tank 138 (hillside)	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	74.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-002(b)-00	Outfall TA-01 SWMU to be in TA-45	NMED	45-001-00	Wastewater treatment plant - TA-45	NMED	71.5	Los Alamos/Pueblo	Pueblo	No
01-003(a)	Landfill	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	79	Los Alamos/Pueblo	Upper Los Alamos	No
01-003(e)	Surface disposal site	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	83	Los Alamos/Pueblo	Upper Los Alamos	No
01-006(b)	Drainlines and outfall	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	76.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-006(c)	Drainlines and outfall	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	76.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-006(d)	Drainlines and outfall	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	76.5	Los Alamos/Pueblo	Upper Los Alamos	No
01-006(n)	Drainlines and outfall	NMED	01-001(a)-99	Miscellaneous - TA-01	NMED	76.5	Los Alamos/Pueblo	Upper Los Alamos	No
03-009(a)	Surface disposal (soil fill)	NMED	03-009(a)-00	Asphalt batch plant	NMED	61.3	Sandia	Upper Sandia	No
03-010(a)	Vacuum repair shop (former location)-systematic release site	NMED				69	Pajarito	Twomile	No
03-012(b)	Operational release and outfall	NMED	03-012(b)-00	Miscellaneous - TA-03 power plant	NMED	65	Sandia	Upper Sandia	No
03-014(c2)	Outfall	DOE	03-014(a)-99	Wastewater treatment plant	NMED	72	Sandia	Upper Sandia	No
03-045(b)	Industrial or sanitary wastewater treatment	NMED	03-012(b)-00	Miscellaneous - TA-03 power plant	NMED	65	Sandia	Upper Sandia	No
03-054(b)	Outfall	NMED	03-052(a)-00	Drainlines and outfalls	NMED	65.8	Pajarito	Twomile	No
03-054(e)	Outfall	NMED				89	Mortandad	Upper Mortandad	No
03-055(a)	Outfall	NMED				61	Pajarito	Twomile	No
05-001(c)	Former firing site	DOE				73.5	Mortandad	Lower Mortandad/Cedro	No
09-004(g)	Settling tank	NMED				61.8	Pajarito	Upper Pajarito	No
11-006(c)	Tank and/or associated equipment	NMED	11-006(a)-99	Former firing site	NMED	68.8	Water/Canon de Valle	S-Site (Martin)	No
11-006(d)	Tank and/or associated equipment	NMED	11-006(a)-99	Former firing site	NMED	74	Water/Canon de Valle	S-Site (Martin)	No
15-006(c)	Firing site R-44 (inactive)	NMED	15-006(c)-99	R-44 firing site (inactive)	NMED	64.5	Pajarito	Threemile	No
15-008(a)	Surface disposal E/F Site	NMED	15-004(f)-99	Firing site E-F (inactive)	NMED	72	Water/Canon de Valle	Potrillo/Fence	No
15-008(b)	Surface disposal	NMED	15-006(c)-99	R-44 firing site (inactive)	NMED	67.2	Pajarito	Threemile	No
15-008(d)	Surface disposal	NMED				69	Water/Canon de Valle	Canon de Valle	No
15-009(c)	Septic tank	NMED				71.5	Pajarito	Threemile	No
15-011(b)	Dry well	NMED	15-009(a)-00	Former structures - the Hollow	NMED	87	Water/Canon de Valle	Canon de Valle	No
15-011(c)	Sump	NMED	15-009(a)-00	Former structures - the Hollow	NMED	87	Water/Canon de Valle	Canon de Valle	No
15-014(j)	Outfall	NMED	15-009(a)-00	Former structures - the Hollow	NMED	61.3	Water/Canon de Valle	Canon de Valle	No
16-001(a)	Tank	NMED	16-001(a)-99	Former steam plant	NMED	67	Water/Canon de Valle	Canon de Valle	No
16-016(c)	Landfill	NMED	16-016(c)-99	Burning ground	NMED	72	Water/Canon de Valle	Canon de Valle	No
16-018	Material disposal area (MDA P); RCRA unit (currently undergoing RCRA closure)	NMED				69.3	Water/Canon de Valle	Canon de Valle	No
16-019	Material disposal area (MDA R)	NMED				82.5	Water/Canon de Valle	Canon de Valle	No

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Site ID	Site Name	Site AA	Consolidated Unit ID	Consolidated Unit Name	Consolidated AA	Erosion Matrix Score	Watershed	Sub-Watershed	Formal NFA (Y/N)
16-020	Silver recovery unit	NMED				61.3	Water/Canon de Valle	Canon de Valle	No
16-021(c)	Industrial or sanitary wastewater treatment at 16-260	NMED	16-021(c)-99	16-260 Sumps, drainlines, and outfall	NMED	73.3	Water/Canon de Valle	Canon de Valle	No
16-026(a)	Outfall	NMED	16-006(c)-00	Septic system	NMED	73.5	Water/Canon de Valle	Upper Water	No
16-026(c2)	Outfall, 16-462	NMED				61.8	Water/Canon de Valle	Upper Water	No
16-026(h2)	Outfall, 16-360	NMED	16-029(e)-99	Sump and outfall, 16-360	NMED	61	Water/Canon de Valle	Upper Water	No
16-026(v)	Outfall	NMED	16-003(c)-99	Sump, associated drainline, and outfall	NMED	65.8	Water/Canon de Valle	Upper Water	No
16-028(b)	Industrial or sanitary wastewater treatment, 16-370	NMED				83	Water/Canon de Valle	Upper Water	No
16-030(g)	Outfall	DOE	16-003(m)-99	Sump, outfall, and septic system	NMED	71	Water/Canon de Valle	Upper Water	No
18-003(c)	Septic system	NMED				62.3	Pajarito	Lower Pajarito	No
18-010(f)	Outfall	DOE				62.3	Pajarito	Lower Pajarito	No
20-002(c)	Firing site	NMED	20-001(b)-00	Firing site	NMED	73.8	Sandia	Lower Sandia	No
21-011(k)	Outfall	NMED				72	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-013(b)	Surface disposal site	NMED	21-018(a)-99	Material disposal area (MDA V)	NMED	67	Los Alamos/Pueblo	Middle Los Alamos/DP	No
21-013(g)	Surface disposal site	DOE	21-018(a)-99	Material disposal area (MDA V)	NMED	67	Los Alamos/Pueblo	Middle Los Alamos/DP	No
26-001	Surface disposal site	NMED				65	Los Alamos/Pueblo	Middle Los Alamos/DP	No
33-004(j)	Outfall	NMED	33-004(j)-00	Firing site - South Site	NMED	85	Chaquehui	Chaquehui	No
33-010(c)	Surface disposal	NMED	33-004(j)-00	Firing site - South Site	NMED	60.5	Chaquehui	Chaquehui	No
35-003(r)	Outfall	DOE	35-003(d)-00	Wastewater treatment plant - Pratt Canyon	NMED	87	Mortandad	Middle Mortandad/Ten Site	No
35-008	Surface disposal and landfil	NMED	35-008-00	Surface disposal	NMED	61	Mortandad	Middle Mortandad/Ten Site	No
35-014(e)	Oil Spill	NMED	35-008-00	Surface disposal	NMED	61	Mortandad	Middle Mortandad/Ten Site	No
35-016(a)	Drains and outfalls	NMED	35-016(a)-00	Drains and outfalls	NMED	92	Mortandad	Middle Mortandad/Ten Site	No
35-016(b)	Outfall	DOE				96	Mortandad	Middle Mortandad/Ten Site	No
35-016(d)	Outfall	NMED	35-016(c)-00	Drainlines and outfall	NMED	76.5	Mortandad	Middle Mortandad/Ten Site	No
35-016(e)	Outfall	DOE				72	Mortandad	Middle Mortandad/Ten Site	No
35-016(f)	Storm drain	DOE				76.5	Mortandad	Middle Mortandad/Ten Site	No
35-016(g)	Outfall	DOE				68.3	Mortandad	Upper Mortandad	No
35-016(h)	Storm drain	DOE				76.5	Mortandad	Upper Mortandad	No
35-016(i)	Drains and outfalls	NMED	35-016(i)-00	Drainlines and outfalls	NMED	61	Mortandad	Middle Mortandad/Ten Site	No
35-016(l)	Storm drain	DOE	35-016(k)-00	Drainlines and outfalls	NMED	64	Mortandad	Middle Mortandad/Ten Site	No
35-016(m)	Drains and outfalls	NMED				72	Mortandad	Middle Mortandad/Ten Site	No
35-016(o)	Drains and outfalls	NMED				60.3	Mortandad	Middle Mortandad/Ten Site	No
35-016(p)	Outfall	NMED				60.3	Mortandad	Middle Mortandad/Ten Site	No
35-016(q)	Drains and outfalls	NMED	35-016(a)-00	Drains and outfalls	NMED	92	Mortandad	Middle Mortandad/Ten Site	No
36-004(c)	Firing site - open detonation (active)	DOE				68.3	Water/Canon de Valle	Potrillo/Fence	No
36-006	Surface disposal site	NMED	36-006-99	Former firing site	NMED	78	Water/Canon de Valle	Potrillo/Fence	No
39-004(a)	Firing site	NMED				74	Ancho	North Ancho	No
39-004(b)	Firing site	NMED				74.5	Ancho	North Ancho	No

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Site ID	Site Name	Site AA	Consolidated Unit ID	Consolidated Unit Name	Consolidated AA	Erosion Matrix Score	Watershed	Sub-Watershed	Formal NFA (Y/N)
39-004(c)	Firing site 39-6 (open detonation) - RCRA Unit (active)	NMED				74.5	Ancho	North Ancho	No
39-004(d)	Firing site 39-57 (open detonation) - RCRA Unit (active)	NMED				74	Ancho	North Ancho	No
39-004(e)	Firing site (active)	NMED				78.5	Ancho	North Ancho	No
40-006(b)	Firing site (active)	NMED				62	Pajarito	Upper Pajarito	No
40-006(c)	Firing site (active)	NMED				62	Pajarito	Upper Pajarito	No
42-001(a)	Incinerator (former location)	NMED	42-001(a)-99	TA-42 incinerator complex	NMED	65.8	Mortandad	Upper Mortandad	No
42-001(b)	Ash storage tank (former location)	NMED	42-001(a)-99	TA-42 incinerator complex	NMED	65.8	Mortandad	Upper Mortandad	No
42-001(c)	Ash storage tank (former location)	NMED	42-001(a)-99	TA-42 incinerator complex	NMED	65.8	Mortandad	Upper Mortandad	No
42-002(a)	Decontamination facility (former location)	DOE	42-001(a)-99	TA-42 incinerator complex	NMED	65.8	Mortandad	Upper Mortandad	No
42-002(b)	Decontamination facility driveway (former location)	NMED	42-001(a)-99	TA-42 incinerator complex	NMED	65.8	Mortandad	Upper Mortandad	No
46-004(t)	Outfall	NMED				68.3	Mortandad	Upper Canada del Buey	No
46-008(g)	Storage area	NMED				68.3	Mortandad	Upper Canada del Buey	No
46-009(b)	Surface disposal	NMED				70	Mortandad	Upper Canada del Buey	No
48-007(c)	Drains and outfalls	NMED				69.5	Mortandad	Upper Mortandad	No
48-007(f)	Drains and outfalls	NMED				76.5	Mortandad	Upper Mortandad	No
48-010	Surface impoundment	NMED	48-007(a)-00	Drainlines and outfalls	NMED	80.3	Mortandad	Upper Mortandad	No
49-005(a)	Landfill (east of Area 10)	NMED				73.5	Water/Canon de Valle	Lower Water/Indio	No
50-006(a)	Operational release	NMED				77.8	Mortandad	Middle Mortandad/Ten Site	No
50-006(d)	Effluent discharge	NMED				89	Mortandad	Upper Mortandad	No
53-008	Storage area, Boneyard	DOE				61.8	Los Alamos/Pueblo	Middle Los Alamos/DP	No
53-014	Soil Contamination, lead storage site II	DOE				80.5	Sandia	Lower Sandia	No
54-014(d)	Material disposal area (MDA G) storage trenches A, B, C, D	NMED	54-013(b)-99	Material disposal area (MDA G) subsurface waste management units	NMED	66.5	Pajarito	Lower Pajarito	No
54-017	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	NMED	54-013(b)-99	Material disposal area (MDA G) subsurface waste management units	NMED	62	Pajarito	Lower Pajarito	No
72-001	Firing range	DOE				84.3	Sandia	Lower Sandia	No
73-001(a)	Landfill	NMED	73-001(a)-99	Former landfill	NMED	85.5	Los Alamos/Pueblo	Pueblo	No
C-46-001	One-time spill	DOE				68.3	Mortandad	Upper Canada del Buey	No

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Appendix 7.
Site Monitoring Areas, Sites and Downstream Gage Stations

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SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
LOS ALAMOS / PUEBLO									
R-SMA-1	C-00-041	Asphalt and tar remnant site		42.8	Los Alamos/Pueblo	Rendija/Barrancas/Guaje	E090	Los Alamos/Pueblo	Rendija/Barrancas/Guaje
B-SMA-1	00-011(d)	Mortar impact area		73.8	Los Alamos/Pueblo	Bayo	E110	Los Alamos/Pueblo	Lower Los Alamos
ACID-SMA-1	00-030(g)	Septic system (near old Catholic Church parking lot)		47.2	Los Alamos/Pueblo	Pueblo	E056	Los Alamos/Pueblo	Pueblo
ACID-SMA-2	01-002(b)-00	Outfall TA-01 SWMU to be in TA-45	45-001-00	71.5	Los Alamos/Pueblo	Pueblo	E055.5	Los Alamos/Pueblo	Pueblo
ACID-SMA-2	01-002(b)-00	Outfall TA-01 SWMU to be in TA-45	45-001-00	71.5	Los Alamos/Pueblo	Pueblo	E056	Los Alamos/Pueblo	Pueblo
ACID-SMA-2	45-001	Wastewater treatment facility	45-001-00	50.3	Los Alamos/Pueblo	Pueblo	E055.5	Los Alamos/Pueblo	Pueblo
ACID-SMA-2	45-001	Wastewater treatment facility	45-001-00	50.3	Los Alamos/Pueblo	Pueblo	E056	Los Alamos/Pueblo	Pueblo
ACID-SMA-2	45-004	Sanitary sewer outfall	45-001-00	50.2	Los Alamos/Pueblo	Pueblo	E055.5	Los Alamos/Pueblo	Pueblo
ACID-SMA-2	45-004	Sanitary sewer outfall	45-001-00	50.2	Los Alamos/Pueblo	Pueblo	E056	Los Alamos/Pueblo	Pueblo
P-SMA-1	73-001(a)	Landfill	73-001(a)-99	85.5	Los Alamos/Pueblo	Pueblo	E060	Los Alamos/Pueblo	Pueblo
P-SMA-1	73-004(d)	Septic tank (landfill)	73-001(a)-99	46.7	Los Alamos/Pueblo	Pueblo	E060	Los Alamos/Pueblo	Pueblo
P-SMA-2	73-002	Incinerator surface disposal	73-002-99	56.0	Los Alamos/Pueblo	Pueblo	E060	Los Alamos/Pueblo	Pueblo
P-SMA-2	73-006	Airport building outfalls	73-002-99	56.0	Los Alamos/Pueblo	Pueblo	E060	Los Alamos/Pueblo	Pueblo
P-SMA-2.2	00-019	Wastewater treatment plant, central		51.5	Los Alamos/Pueblo	Pueblo	E060	Los Alamos/Pueblo	Pueblo
P-SMA-3	00-018(a)	Sludge-bed wastewater treatment plant, Pueblo Canyon		42.8	Los Alamos/Pueblo	Pueblo	E055	Los Alamos/Pueblo	Pueblo
LA-SMA-1	00-017	Waste lines		67.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-1.2	C-43-001	Outfall		45.4	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-1.5	00-030(i)	Septic system		54.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-2	01-001(f)	Septic Tank 140 (hillside)	01-001(a)-99	56.7	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-2	01-006(b)	Drainlines and outfall	01-001(a)-99	76.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-3	01-003(a)	Landfill	01-001(a)-99	79.0	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-4	01-001(c)	Septic Tank 137	01-001(a)-99	76.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-4	01-006(b)	Drainlines and outfall	01-001(a)-99	76.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-4	01-006(c)	Drainlines and outfall	01-001(a)-99	76.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-4	01-006(d)	Drainlines and outfall	01-001(a)-99	76.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-4	01-006(n)	Drainlines and outfall	01-001(a)-99	76.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5	01-001(d)	Septic Tank 138 (hillside)	01-001(a)-99	74.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5	01-003(e)	Surface disposal site	01-001(a)-99	83.0	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.2	01-003(d)	Surface disposal site		49.5	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.3	C-41-004	Storm drains		52.8	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.4	32-004	Drainline and outfall		42.0	Los Alamos/Pueblo	Upper Los Alamos	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
na	61-007	Transformer site - systematic leak - PCB only site		43.8	Los Alamos/Pueblo	Upper Los Alamos	na	Site is self-contained.	
DP-SMA-0.3	21-029	Soil contamination area		56.6	Los Alamos/Pueblo	Middle Los Alamos/DP	E038	Los Alamos/Pueblo	Middle Los Alamos/DP
DP-SMA-0.9	21-011(c)	Tank and sump	21-016(a)-99	54.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E039	Los Alamos/Pueblo	Middle Los Alamos/DP
DP-SMA-0.9	21-016(a)	Material disposal area (MDA T)	21-016(a)-99	54.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E039	Los Alamos/Pueblo	Middle Los Alamos/DP
DP-SMA-0.9	21-016(b)	Material disposal area (MDA T)	21-016(a)-99	54.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E039	Los Alamos/Pueblo	Middle Los Alamos/DP
DP-SMA-0.9	21-016(c)	Material disposal area (MDA T)	21-016(a)-99	54.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E039	Los Alamos/Pueblo	Middle Los Alamos/DP
DP-SMA-1	21-011(k)	Outfall		72.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E039	Los Alamos/Pueblo	Middle Los Alamos/DP
DP-SMA-2	21-024(h)	Septic system		54.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E039	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-10	53-002(a)	Disposal lagoon (NE, NW impoundments) (inactive)	53-002(a)-99	47.8	Los Alamos/Pueblo	Middle Los Alamos/DP	E042	Los Alamos/Pueblo	Lower Los Alamos
LA-SMA-10	53-008	Storage area, Boneyard		61.8	Los Alamos/Pueblo	Middle Los Alamos/DP	E042	Los Alamos/Pueblo	Lower Los Alamos
LA-SMA-5.5	02-003(a)	Valve house and gaseous effluent line		57.6	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-003(e)	Holding tank (near reactor water boiler)		40.5	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-006(b)	Acid waste line		51.8	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
LA-SMA-5.5	02-007	Septic system	02-007-00	44.8	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-008(a)	Outfall		55.8	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-009(a)	Non-intentional release	02-007-00	57.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-009(b)	Non-intentional release	02-007-00	44.8	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-009(c)	Non-intentional release	02-007-00	51.3	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-5.5	02-011(a)	Storm drain and outfall		57.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-6	21-013(b)	Surface disposal site	21-018(a)-99	67.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-6	21-013(g)	Surface disposal site	21-018(a)-99	67.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-6	21-027(d)	Drainline	21-027(d)-99	45.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-6.2	21-024(e)	Septic system		56.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-6.3	21-027(a)	Industrial or sanitary wastewater treatment		52.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-6.5	21-024(i)	Septic system		53.7	Los Alamos/Pueblo	Middle Los Alamos/DP	E030	Los Alamos/Pueblo	Middle Los Alamos/DP
LA-SMA-9	26-001	Surface disposal site		65.0	Los Alamos/Pueblo	Middle Los Alamos/DP	E042	Los Alamos/Pueblo	Lower Los Alamos
SANDIA									
S-SMA-0.2	03-013(a)	Operational release	03-013(a)-00	45.0	Sandia	Upper Sandia	E122	Sandia	Upper Sandia
S-SMA-0.2	03-013(b)	Operational release		45.0	Sandia	Upper Sandia	E122	Sandia	Upper Sandia
S-SMA-0.2	03-052(f)	Storm drainage	03-013(a)-00	45.0	Sandia	Upper Sandia	E122	Sandia	Upper Sandia
S-SMA-1	03-003(m)	Storage area (capacitor banks) - PCB only site		46.3	Sandia	Upper Sandia	E122	Sandia	Upper Sandia
S-SMA-1	03-009(a)	Surface disposal (soil fill)	03-009(a)-00	61.3	Sandia	Upper Sandia	E122.2	Sandia	Upper Sandia
S-SMA-1	03-029	Landfill	03-009(a)-00	44.3	Sandia	Upper Sandia	E122.2	Sandia	Upper Sandia
S-SMA-2	03-012(b)	Operational release and outfall	03-012(b)-00	65.0	Sandia	Upper Sandia	E121	Sandia	Upper Sandia
S-SMA-2	03-045(b)	Industrial or sanitary wastewater treatment	03-012(b)-00	65.0	Sandia	Upper Sandia	E121	Sandia	Upper Sandia
S-SMA-2	03-045(c)	Outfall	03-012(b)-00	57.7	Sandia	Upper Sandia	E121	Sandia	Upper Sandia
S-SMA-2	03-056(c)	Transformer storage area - PCB only site		45.0	Sandia	Upper Sandia	E121	Sandia	Upper Sandia
S-SMA-3	03-014(c2)	Outfall	03-014(a)-99	72.0	Sandia	Upper Sandia	E123	Sandia	Upper Sandia
S-SMA-3.5	03-014(b2)	Outfall	03-014(a)-99	46.3	Sandia	Upper Sandia	E123	Sandia	Upper Sandia
S-SMA-3.6	60-007(b)	Systematic or intent. prod. release		43.8	Sandia	Upper Sandia	E122.4	Sandia	Upper Sandia
S-SMA-3.6	60-007(b)	Systematic or intent. prod. release		43.8	Sandia	Upper Sandia	E122.5	Sandia	Upper Sandia
S-SMA-3.9	20-002(a)	Firing site	20-001(c)-00	48.6	Sandia	Lower Sandia	E124	Sandia	Lower Sandia
S-SMA-4	53-014	Soil Contamination, lead storage site II		80.5	Sandia	Lower Sandia	E124	Sandia	Lower Sandia
S-SMA-5	20-002(c)	Firing site	20-001(b)-00	73.8	Sandia	Lower Sandia	E125	Sandia	Lower Sandia
S-SMA-5.1	20-003(c)	Firing site	20-001(b)-00	57.4	Sandia	Lower Sandia	E125	Sandia	Lower Sandia
S-SMA-6	72-001	Firing range		84.3	Sandia	Lower Sandia	E125	Sandia	Lower Sandia
MORTANDAD									
M-SMA-1	03-054(e)	Outfall		89.0	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-2	48-007(f)	Drains and outfalls		76.5	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-3	48-007(c)	Drains and outfalls		69.5	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-3.1	48-007(b)	Drains and outfalls		49.3	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-3.5	48-003	Septic system		40.7	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-4	48-007(a)	Drains and outfalls	48-007(a)-00	55.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-4	48-007(d)	Drains and outfalls	48-007(a)-00	55.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-4	48-010	Surface impoundment	48-007(a)-00	80.3	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-5	42-001(a)	Incinerator (former location)	42-001(a)-99	65.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-5	42-001(b)	Ash storage tank (former location)	42-001(a)-99	65.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-5	42-001(c)	Ash storage tank (former location)	42-001(a)-99	65.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
M-SMA-5	42-002(a)	Decontamination facility (former location)	42-001(a)-99	65.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-5	42-002(b)	Decontamination facility driveway (former location)	42-001(a)-99	65.8	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-6	35-016(h)	Storm drain		76.5	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-7	35-016(g)	Outfall		68.3	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-7	35-016(h)	Storm drain		76.5	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-8	50-006(d)	Effluent discharge		89.0	Mortandad	Upper Mortandad	E200	Mortandad	Upper Mortandad
M-SMA-9	35-016(f)	Storm drain		76.5	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-10	35-008	Surface disposal and landfil	35-008-00	61.0	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-10	35-014(e)	Oil Spill	35-008-00	61.0	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-10	35-016(e)	Outfall		72.0	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-10.3	35-014(e2)	Oil Spill	35-016(i)-00	45.6	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-10.3	35-016(i)	Drains and outfalls	35-016(i)-00	61.0	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-11	35-016(o)	Drains and outfalls		60.3	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-12	35-016(p)	Outfall		60.3	Mortandad	Middle Mortandad/Ten Site	E201	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.7	05-005(a)	Former French drain	05-005(a)-00	45.0	Mortandad	Middle Mortandad/Ten Site	E203	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.7	05-006(b)	Soil contamination beneath former buildings	05-005(a)-00	45.0	Mortandad	Middle Mortandad/Ten Site	E203	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.7	05-006(e)	Soil contamination beneath former buildings	05-005(a)-00	45.0	Mortandad	Middle Mortandad/Ten Site	E203	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.8	05-001(a)	Former firing site	05-001(a)-99	45.0	Mortandad	Middle Mortandad/Ten Site	E204	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.9	05-001(b)	Former firing site	05-001(a)-99	45.0	Mortandad	Middle Mortandad/Ten Site	E204	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.9	05-006(h)	Soil contamination beneath former buildings	05-001(a)-99	45.0	Mortandad	Middle Mortandad/Ten Site	E204	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-003(d)	Wastewater treatment facility	35-003(d)-00	59.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-003(h)	Wastewater treatment facility	35-003(a)-99	44.2	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-003(l)	Wastewater treatment facility	35-003(d)-00	59.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-003(p)	Wastewater treatment facility	35-003(a)-99	50.8	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-003(q)	Wastewater treatment facility	35-003(d)-00	59.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-003(r)	Outfall	35-003(d)-00	87.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-004(h)	Container storage area		50.8	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-016(k)	Drains and outfalls	35-016(k)-00	53.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-016(l)	Storm drain	35-016(k)-00	64.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
Pratt-SMA-1	35-016(m)	Drains and outfalls		72.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-1	50-006(a)	Operational release		77.8	Mortandad	Middle Mortandad/Ten Site	E201.3	Mortandad	Middle Mortandad/Ten Site
T-SMA-1	50-009	Material disposal area (MDA C)		54.8	Mortandad	Middle Mortandad/Ten Site	E201.3	Mortandad	Middle Mortandad/Ten Site
T-SMA-2.8	35-016(n)	Storm drain	35-014(g)-00	42.8	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-3	35-016(b)	Outfall		96.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-4	35-016(c)	Outfall	35-016(c)-00	47.2	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-4	35-016(d)	Outfall	35-016(c)-00	76.5	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-5	35-016(a)	Drains and outfalls	35-016(a)-00	92.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-6	35-016(q)	Drains and outfalls	35-016(a)-00	92.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-7	04-001	Firing site	04-001-99	45.0	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-7	04-002	Surface disposal	04-001-99	51.5	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
T-SMA-7	04-003(b)	Outfall	04-001-99	51.5	Mortandad	Middle Mortandad/Ten Site	E201.5	Mortandad	Middle Mortandad/Ten Site
M-SMA-12.5	05-005(b)	Outfall	05-005(b)-00	53.7	Mortandad	Lower Mortandad/Cedro	na	Site drains to the Rio Grande.	
M-SMA-12.5	05-006(c)	Soil contamination beneath former buildings	05-005(b)-00	53.7	Mortandad	Lower Mortandad/Cedro	na	Site drains to the Rio Grande.	
M-SMA-12.6	05-004	Former septic system		49.7	Mortandad	Lower Mortandad/Cedro	na	Site drains to the Rio Grande.	
M-SMA-13	05-001(c)	Former firing site		73.5	Mortandad	Lower Mortandad/Cedro	na	Site drains to the Rio Grande.	

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
CDB-SMA-0.1	04-003(a)	Outfall	04-003(a)-00	57.3	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-0.1	04-004	Soil contamination beneath buildings	04-003(a)-00	57.3	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-0.2	46-004(c2)	Outfall		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-0.5	46-004(g)	Outfall / stack emissions	46-004(d2)-99	56.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-0.5	46-004(m)	Outfall		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1	46-003(a)	Septic system		44.7	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1	46-004(d2)	Stack emissions	46-004(d2)-99	56.0	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1	46-004(s)	Outfall		49.0	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1	46-004(t)	Outfall		68.3	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1	46-008(g)	Storage area		68.3	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1	46-009(a)	Surface disposal		57.0	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1	C-46-001	One-time spill		68.3	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1.1	46-004(a)	Waste line		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.1	46-004(y)	Outfall		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.1	46-004(z)	Outfall		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.1	46-006(d)	Operational release		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.3	46-004(a2)	Outfall		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.3	46-004(u)	Outfall		45.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.3	46-004(v)	Outfall		45.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.3	46-004(x)	Outfall		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.3	46-006(d)	Operational release		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.5	46-004(h)	Outfall / stack emissions	46-004(d2)-99	56.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.5	46-004(q)	Outfall		45.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.5	46-006(d)	Operational release		49.0	Mortandad	Upper Canada del Buey	E218	Mortandad	Upper Canada del Buey
CDB-SMA-1.6	46-003(b)	Septic system		55.5	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1.6	46-003(e)	Septic system		50.8	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-1.7	46-005	Surface impoundment		52.8	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-2	46-002	Surface impoundment		52.8	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-2	46-009(b)	Surface disposal		70.0	Mortandad	Upper Canada del Buey	E225	Mortandad	Lower Canada del Buey
CDB-SMA-4	54-017	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	54-013(b)-99	62.0	Mortandad	Lower Canada del Buey	E227	Mortandad	Lower Canada del Buey
CDB-SMA-4	54-018	Material disposal area (MDA G) disposal pits 27-33,35-37 (active after 11/19/80)	54-013(b)-99	52.6	Mortandad	Lower Canada del Buey	E227	Mortandad	Lower Canada del Buey
CDB-SMA-4	54-020	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	54-013(b)-99	53.7	Mortandad	Lower Canada del Buey	E227	Mortandad	Lower Canada del Buey
PAJARITO									
2M-SMA-1	03-010(a)	Vacuum repair shop (former location)- systematic release site		69.0	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-1.4	03-009(d)	Surface disposal site		42.8	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-1.5	22-014(b)	Sump		56.0	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-1.6	06-007(g)	Building and surface disposal		50.8	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-1.7	03-055(a)	Outfall		61.0	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-2	03-054(b)	Outfall	03-052(a)-00	65.8	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-3	07-001(b)	Firing site (inactive)	07-001(a)-99	55.5	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-3	07-001(c)	Firing site (inactive)	07-001(a)-99	46.7	Pajarito	Twomile	E244	Pajarito	Twomile
2M-SMA-3	07-001(d)	Firing site (inactive)	07-001(a)-99	55.5	Pajarito	Twomile	E244	Pajarito	Twomile

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
PJ-SMA-1	09-013	Material disposal area (MDA M)		56.0	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
PJ-SMA-10	40-006(a)	Firing site (active)		56.2	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-11	40-003(a)	Scrap burn site - completed RCRA closure		46.3	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-11	40-003(b)	Burning area/open detonation (closure)		46.3	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-14	54-004	Material disposal area (MDA H)		45.6	Pajarito	Upper Pajarito	E250	Pajarito	Lower Pajarito
PJ-SMA-2	09-009	Surface impoundment		58.8	Pajarito	Upper Pajarito	E242.5	Pajarito	Upper Pajarito
PJ-SMA-3	09-004(o)	Settling tank		43.8	Pajarito	Upper Pajarito	E242.5	Pajarito	Upper Pajarito
PJ-SMA-4	09-004(g)	Settling tank		61.8	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-4	09-005(g)	Septic tank		51.0	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-5	22-015(c)	Outfall		51.5	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-6	40-010	Surface disposal site		40.2	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-7	40-006(c)	Firing site (active)		62.0	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-8	40-006(b)	Firing site (active)		62.0	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
PJ-SMA-9	40-009	Landfill		54.5	Pajarito	Upper Pajarito	E243	Pajarito	Upper Pajarito
STRM-SMA-1	08-009(f)	Outfall		42.0	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
STRM-SMA-1.5	08-009(d)	Industrial or sanitary wastewater treatment		40.2	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
STRM-SMA-2	08-005	Container storage area		51.0	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
STRM-SMA-3	08-006(a)	Material disposal area (MDA Q)		55.5	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
STRM-SMA-4	09-005(a)	Septic system	09-008(b)-99	51.0	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
STRM-SMA-5	09-013	Material disposal area (MDA M)		56.0	Pajarito	Upper Pajarito	E242	Pajarito	Upper Pajarito
3M-SMA-0.5	15-006(c)	Firing site R-44 (inactive)	15-006(c)-99	64.5	Pajarito	Threemile	E246	Pajarito	Threemile
3M-SMA-0.5	15-009(c)	Septic tank		71.5	Pajarito	Threemile	E246	Pajarito	Threemile
3M-SMA-0.6	15-008(b)	Surface disposal	15-006(c)-99	67.2	Pajarito	Threemile	E246	Pajarito	Threemile
3M-SMA-3	36-008	NEW SWMU - Surface disposal area located near TA-36-1		52.0	Pajarito	Threemile	E246	Pajarito	Threemile
3M-SMA-3	C-36-003	Storm drainages		52.0	Pajarito	Threemile	E246	Pajarito	Threemile
PJ-SMA-15	54-014(d)	Material disposal area (MDA G) storage trenches A, B, C, D	54-013(b)-99	66.5	Pajarito	Lower Pajarito	E249	Pajarito	Lower Pajarito
PJ-SMA-15	54-017	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	54-013(b)-99	62.0	Pajarito	Lower Pajarito	E248.5	Pajarito	Lower Pajarito
PJ-SMA-15	54-017	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	54-013(b)-99	62.0	Pajarito	Lower Pajarito	E249	Pajarito	Lower Pajarito
PJ-SMA-15	54-017	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	54-013(b)-99	62.0	Pajarito	Lower Pajarito	E249.5	Pajarito	Lower Pajarito
PJ-SMA-15	54-018	Material disposal area (MDA G) disposal pits 27-33,35-37 (active after 11/19/80)	54-013(b)-99	52.6	Pajarito	Lower Pajarito	E248	Pajarito	Lower Pajarito
PJ-SMA-15	54-020	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	54-013(b)-99	53.7	Pajarito	Lower Pajarito	E248.5	Pajarito	Lower Pajarito
PJ-SMA-15	54-020	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	54-013(b)-99	53.7	Pajarito	Lower Pajarito	E249	Pajarito	Lower Pajarito
PJ-SMA-15	54-020	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	54-013(b)-99	53.7	Pajarito	Lower Pajarito	E249.5	Pajarito	Lower Pajarito
TBD	18-003(c)	Septic system		62.3	Pajarito	Lower Pajarito	E250	Pajarito	Lower Pajarito
TBD	18-010(d)	Outfall		46.2	Pajarito	Lower Pajarito	E250	Pajarito	Lower Pajarito
TBD	18-010(f)	Outfall		62.3	Pajarito	Lower Pajarito	E250	Pajarito	Lower Pajarito
TBD	18-012(a)	Outfall		59.2	Pajarito	Lower Pajarito	E250	Pajarito	Lower Pajarito
TBD	18-012(b)	Outfall	18-001(c)-00	46.6	Pajarito	Lower Pajarito	E250	Pajarito	Lower Pajarito

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
WATER / CANON de VALLE									
CDV-SMA-0.5	16-029(s)	Sump	16-008(a)-99	45.5	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-0.5	16-029(t)	Sump	16-008(a)-99	41.5	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1	16-001(a)	Tank	16-001(a)-99	67.0	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1	16-001(b)	Dry wells	16-001(a)-99	45.0	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1	16-001(c)	Tank	16-001(a)-99	45.0	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1.4	16-016(d)	Surface disposal site		44.5	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1.4	16-020	Silver recovery unit		61.3	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1.5	16-026(j)	Outfall, 16-226		40.2	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-1.7	16-019	Material disposal area (MDA R)		82.5	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-2	16-021(c)	Industrial or sanitary wastewater treatment at 16-260	16-021(c)-99	73.3	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-2.4	16-010(b)	Flash pad; RCRA unit (undergoing closure)		55.5	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-2.4	16-016(c)	Landfill	16-016(c)-99	72.0	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-2.4	16-018	Material disposal area (MDA P); RCRA unit (currently undergoing RCRA closure)		69.3	Water/Canon de Valle	Canon de Valle	E256	Water/Canon de Valle	Canon de Valle
CDV-SMA-2.5	16-010(c)	Burn site 16-388 - RCRA Unit (active)		47.2	Water/Canon de Valle	Canon de Valle	E257	Water/Canon de Valle	Canon de Valle
CDV-SMA-2.5	16-010(d)	Burn site 16-399 - RCRA unit (active)		50.3	Water/Canon de Valle	Canon de Valle	E257	Water/Canon de Valle	Canon de Valle
CDV-SMA-2.5	16-028(a)	South drainage channel		51.5	Water/Canon de Valle	Canon de Valle	E257	Water/Canon de Valle	Canon de Valle
CDV-SMA-3	14-009	Surface disposal site	14-002(a)-99	53.7	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-4	14-002(a)	Firing site (inactive)	14-002(a)-99	46.3	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-4	14-010	Sump	14-002(a)-99	51.5	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-5	14-005	Incinerator (active)		57.3	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-6	14-001(g)	Firing site - Open Burn/Open Detonation (active)		53.3	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-6	14-002(d)	Firing site (inactive)	14-002(c)-99	40.8	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-6	14-002(e)	Firing site (inactive)	14-002(c)-99	47.8	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-6	14-006	Tank and/or associated equipment		47.1	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-7	15-008(d)	Surface disposal		69.0	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-8	15-011(b)	Dry well	15-009(a)-00	87.0	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-8	15-011(c)	Sump	15-009(a)-00	87.0	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-8	15-014(g)	Industrial or sanitary wastewater treatment		55.5	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-8	15-014(j)	Outfall	15-009(a)-00	61.3	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-8	C-15-007	Non-intentional release		51.5	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
CDV-SMA-9	15-007(b)	Material disposal area (MDA Z) landfill		40.2	Water/Canon de Valle	Canon de Valle	E262	Water/Canon de Valle	Canon de Valle
W-SMA-3	16-006(g)	Septic tank	16-029(x)-99	46.0	Water/Canon de Valle	S-Site (Martin)	E260	Water/Canon de Valle	S-Site (Martin)
W-SMA-5	16-003(f)	Sump	16-003(d)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-5	16-026(z)	Outfall		49.6	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-003(b)	Air gun		55.5	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-004(a)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-004(b)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-004(c)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-004(d)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-004(e)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-004(f)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-005(c)	Outfall (inactive)		59.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-006(b)	Tank and/or associated equipment	11-006(a)-99	52.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
W-SMA-10	11-006(c)	Tank and/or associated equipment	11-006(a)-99	68.8	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-10	11-006(d)	Tank and/or associated equipment	11-006(a)-99	74.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-11	11-004(a)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-11	11-004(b)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-11	11-004(c)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-11	11-004(d)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-11	11-004(e)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
W-SMA-11	11-004(f)	Drop tower - firing site (active)	11-004(a)-99	56.0	Water/Canon de Valle	S-Site (Martin)	E261	Water/Canon de Valle	S-Site (Martin)
na	16-001(d)	Dry well		45.6	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-1	16-026(c2)	Outfall, 16-462		61.8	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-1	16-026(v)	Outfall	16-003(c)-99	65.8	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-2	16-028(e)	Industrial or sanitary wastewater treatment	16-029(g)-99	47.2	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-4	16-003(a)	Sump		55.5	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-6	11-001(c)	Firing site (inactive)		56.2	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-7	16-026(h2)	Outfall, 16-360	16-029(e)-99	61.0	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-8	16-006(c)	Septic system	16-006(c)-00	49.5	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-8	16-016(g)	Surface disposal site		46.1	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-8	16-026(a)	Outfall	16-006(c)-00	73.5	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-8	16-028(b)	Industrial or sanitary wastewater treatment, 16-370		83.0	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-9	16-030(g)	Outfall	16-003(m)-99	71.0	Water/Canon de Valle	Upper Water	E260	Water/Canon de Valle	Upper Water
W-SMA-12	49-001(g)	Material disposal area (MDA AB) (miscellaneous)	49-001(a)-00	59.2	Water/Canon de Valle	Lower Water/Indio	E262.5	Water/Canon de Valle	Lower Water/Indio
W-SMA-13	49-001(a)	Material disposal area (MDA AB) (experimental shafts)	49-001(a)-00	54.8	Water/Canon de Valle	Lower Water/Indio	E262.5	Water/Canon de Valle	Lower Water/Indio
W-SMA-14	15-010(c)	Drainline		51.5	Water/Canon de Valle	Lower Water/Indio	E262.5	Water/Canon de Valle	Lower Water/Indio
W-SMA-15	49-005(a)	Landfill (east of Area 10)		73.5	Water/Canon de Valle	Lower Water/Indio	E262.5	Water/Canon de Valle	Lower Water/Indio
F-SMA-1	36-004(b)	Firing site (active)		57.3	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
F-SMA-2	36-004(c)	Firing site - open detonation (active)		68.3	Water/Canon de Valle	Potrillo/Fence	E267.5	Water/Canon de Valle	Potrillo/Fence
F-SMA-2	36-005	Surface disposal site		45.4	Water/Canon de Valle	Potrillo/Fence	E267.5	Water/Canon de Valle	Potrillo/Fence
PT-SMA-0.5	15-009(e)	Septic system, E/F Site		44.7	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-0.5	C-15-004	Transformers - PCB only site		43.9	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-1	15-008(a)	Surface disposal E/F Site	15-004(f)-99	72.0	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-2	15-008(f)	I-J Firing Site mounds at TA-36 (active)		57.3	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-2	36-003(b)	Septic system, I-J Site		50.2	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-2	36-004(e)	I-J Firing Site (active)		57.3	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-2	C-36-001	Containment vessel		57.3	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-3	36-004(a)	Firing site (active)	36-006-99	48.5	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-3	36-006	Surface disposal site	36-006-99	78.0	Water/Canon de Valle	Potrillo/Fence	E266	Water/Canon de Valle	Potrillo/Fence
PT-SMA-4	36-001	Material disposal area (MDA AA)		45.7	Water/Canon de Valle	Potrillo/Fence	E267	Water/Canon de Valle	Potrillo/Fence
ANCHO									
A-SMA-1	39-004(a)	Firing site		74.0	Ancho	North Ancho	E274	Ancho	North Ancho
A-SMA-1	39-004(d)	Firing site 39-57 (open detonation) - RCRA Unit (active)		74.0	Ancho	North Ancho	E274	Ancho	North Ancho
A-SMA-2	39-004(b)	Firing site		74.5	Ancho	North Ancho	E274	Ancho	North Ancho
A-SMA-2	39-004(e)	Firing site (active)		78.5	Ancho	North Ancho	E274	Ancho	North Ancho
A-SMA-3	39-004(c)	Firing site 39-6 (open detonation) - RCRA Unit (active)		74.5	Ancho	North Ancho	E274	Ancho	North Ancho
A-SMA-4	33-010(d)	Surface disposal		45.0	Ancho	South Ancho	na	Site drains to the Rio Grande.	
A-SMA-5	33-010(b)	Surface disposal		45.0	Ancho	South Ancho	na	Site drains to the Rio Grande.	

SMA & Site Information							Gage Station Information		
SMA ID	Site ID	Site Name	Consolidated Unit ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Station ID	Station Watershed	Station Sub-Watershed
A-SMA-6	33-010(a)	Surface disposal	33-006(b)-00	53.2	Ancho	South Ancho	na	Site drains to the Rio Grande.	
CHAQUEHUI									
CHQ-SMA-1	33-004(h)	Outfall	33-004(a)-00	56.6	Chaquehui	Chaquehui	E340	Chaquehui	Chaquehui
CHQ-SMA-1	33-008(c)	Landfill		56.0	Chaquehui	Chaquehui	E340	Chaquehui	Chaquehui
CHQ-SMA-1	33-015	Incinerator	33-004(a)-00	50.8	Chaquehui	Chaquehui	E340	Chaquehui	Chaquehui
CHQ-SMA-1	C-33-001	Transformer		56.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-1	C-33-003	Soil contamination area		59.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-2	33-004(d)	Septic system		56.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-2	33-005(a)	Septic system	33-005(a)-00	49.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-2	33-005(b)	Septic system	33-005(a)-00	49.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-2	33-005(c)	Septic system	33-005(a)-00	49.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-2	C-33-003	Soil contamination area		59.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-3	33-010(f)	Surface disposal	33-002(a)-99	47.2	Chaquehui	Chaquehui	E340	Chaquehui	Chaquehui
CHQ-SMA-4	33-016	Sump		54.5	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-4.5	33-011(b)	Storage area		49.0	Chaquehui	Chaquehui	na	Site drains to the Rio Grande.	
CHQ-SMA-5	33-007(b)	Firing range (inactive)	33-004(j)-00	59.3	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-6	33-004(j)	Outfall	33-004(j)-00	85.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-6	33-006(a)	Firing site (inactive)	33-004(j)-00	56.0	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-6	33-007(b)	Firing range (inactive)	33-004(j)-00	59.3	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-6	33-010(c)	Surface disposal	33-004(j)-00	60.5	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-6	33-010(g)	Surface disposal		47.8	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui
CHQ-SMA-7	33-010(g)	Surface disposal		47.8	Chaquehui	Chaquehui	E338	Chaquehui	Chaquehui

Appendix 8.
Facility Maps Showing Low, Medium, and High Potential Site Boundaries

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Appendix 9.
Certification of Non-Storm Water Discharges, March 30, 2005

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Appendix 9. Certification of Watershed Non-Storm Water Discharges (Oct. 1, 2001 – March 24, 2005)

Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
10/3/2001	Steam Condensate	TA-9-43 MH-139	10/03/2001	JCNNM	N/A	~320 gallons from S.C.
10/10/2001	Steam Condensate	TA-3 MH-1029	10/10/2001	JCNNM	N/A	~300 gallons from S.C.
10/10/2001	Steam Condensate	TA-3 MH-1034	10/10/2001	JCNNM	N/A	~500 gallons from S.C.
10/19/2001	Steam Condensate	TA-3 MH-1029	10/22/2001	JCNNM	N/A	~500 gallons from S.C.
10/19/2001	Steam Condensate	TA-3 MH-1043	10/22/2001	JCNNM	N/A	~500 gallons from S.C.
10/19/2001	Steam Condensate	TA-3 MH-1015	10/22/2001	JCNNM	N/A	~300 gallons from S.C.
11/01-01/02	Steam Condensate	TA-16-430	01/03/2002	ESA	N/A	~50,000 gallons from a leaking underground return line
11/08/2001	Steam Condensate	TA-3 MH-1034	11/14/2001	JCNNM	N/A	~800 gallons from S.C.
11/14/2001	Steam Condensate	TA-3 MH-1029	11/14/2001	JCNNM	N/A	~300 gallons from S.C.
11/20/2001	Steam Condensate	TA-3 MH-1034	11/21/2001	JCNNM	N/A	~800 gallons from S.C.
11/20/2001	Steam Condensate	TA-3 MH-1029	11/21/2001	JCNNM	N/A	~400 gallons from S.C.
11/21/2001	Steam Condensate	TA-3 MH-1034	11/29/2001	JCNNM	N/A	~300 gallons from S.C.
11/21/2001	Steam Condensate	TA-3 MH-1029	11/29/2001	JCNNM	N/A	~300 gallons from S.C.
11/28/2001	Steam Condensate	TA-3 MH-1000	11/29/2001	JCNNM	N/A	~300 gallons from S.C.
11/28/2001	Steam Condensate	TA-3 MH-1000	11/29/2001	JCNNM	N/A	~800 gallons from S.C.
11/28/2001	Steam Condensate	TA-3 MH-1029	11/29/2001	JCNNM	N/A	~300 gallons from S.C.
12/13/2001	Steam Condensate	TA-3 MH-1034	12/13/2001	JCNNM	N/A	~500 gallons from S.C.
12/13/2001	Steam Condensate	TA-3 MH-1015	12/13/2001	JCNNM	N/A	~500 gallons from S.C.
12/13/2001	Steam Condensate	TA-3 MH-1000	12/13/2001	JCNNM	N/A	~1000 gallons from S.C.
12/13/2001	Steam Condensate	TA-3 MH-1029	12/13/2001	JCNNM	N/A	~700 gallons from S.C.
12/17/2001	Steam Condensate	TA-3 MH-1015	12/18/2001	JCNNM	N/A	~300 gallons from S.C.
12/17/2001	Steam Condensate	TA-3 MH-1029	12/18/2001	JCNNM	N/A	~200 gallons from S.C.
12/17/2001	Steam Condensate	TA-3 MH-1034	12/18/2001	JCNNM	N/A	~500 gallons from S.C.
12/20/2001	Potable Water	TA-15 Bldg. 302 past R-40	12/20/2001	JCNNM	N/A	~20000 gallons from a water line break
12/20/2001	Potable Water	TA-33 air relief valve	12/21/2001	JCNNM	N/A	~2400 gallons from air relief valve malfunction
12/28/2001	Potable Water	TA-3 SCC	01/02/2002	JCNNM	N/A	~30000 gallon line break

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Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
01/04/2002	Steam Condensate	TA-3 MH-1029	01/04/2002	JCNNM	N/A	~500 gallons from S.C.
01/04/2002	Steam Condensate	TA-3 MH-1034	01/04/2002	JCNNM	N/A	~1000 gallons from S.C.
01/04/2002	Steam Condensate	TA-3 MH-1015	01/04/2002	JCNNM	N/A	~500 gallons from S.C.
01/10/2002	Steam Condensate	TA-3 MH-1000	01/11/2002	JCNNM	N/A	~400 gallons from S.C.
01/10/2002	Steam Condensate	TA-3 MH-1000	01/11/2002	JCNNM	N/A	~400 gallons from S.C.
01/10/2002	Steam Condensate	TA-3 MH-1029	01/11/2002	JCNNM	N/A	~400 gallons from S.C.
01/10/2002	Steam Condensate	TA-3 MH-1034	01/11/2002	JCNNM	N/A	~800 gallons from S.C.
01/13/2002	Potable Water	TA-3 Bldg. 216-43	01/14/2002	JCNNM	N/A	~100000 gallons from a water main leak
01/24/2002	Potable Water	TA-3 SM-22	01/25/2002	JCNNM	N/A	~126000 gallons from a 6” water line break
01/29/2002	Potable Water	TA-40 Bldg. 41	01/30/2002	JCNNM	N/A	~2700 gallons from a broken 3/4’” water line
01/30/2002	Potable Water	TA-33 air relief valve	01/30/2002	JCNNM	N/A	~3000 gallons from a broken air relief valve
01/31/2002	Steam Condensate	TA-3 MH-7000	02/01/2002	JCNNM	N/A	~500 gallons from S.C.
01/31/2002	Steam Condensate	TA-3 MH-1028	02/01/2002	JCNNM	N/A	~700 gallons from S.C.
01/31/2002	Steam Condensate	TA-3 MH-1034	02/01/2002	JCNNM	N/A	~500 gallons from S.C.
01/31/2002	Steam Condensate	TA-3 MH-1000	02/01/2002	JCNNM	N/A	~1000 gallons from S.C.
02/01/2002	Steam Condensate	TA-3 MH-1029	02/04/2002	JCNNM	N/A	~300 gallons from S.C.
02/01/2002	Steam Condensate	TA-3 MH-1034	02/04/2002	JCNNM	N/A	~700 gallons from S.C.
02/01/2002	Steam Condensate	TA-3 MH-1015	02/04/2002	JCNNM	N/A	~500 gallons from S.C.
02/05/2002	Steam Condensate	TA-3 MH-1029	02/06/2002	JCNNM	N/A	~500 gallons from S.C.
02/05/2002	Steam Condensate	TA-3 MH-1015	02/06/2002	JCNNM	N/A	~500 gallons from S.C.
02/05/2002	Steam Condensate	TA-3 MH-1034	02/06/2002	JCNNM	N/A	~1000 gallons from S.C.
02/25/2002	Steam Condensate	TA-61 Filling Station	02/25/2002	JCNNM	N/A	~1000 gallons from S.C.
04/23/02	Steam Condensate	TA-3 MH-1029	04/23/2002	JCNNM	N/A	~800 gallons from S.C.
04/23/02	Steam Condensate	TA-3 MH-1034	04/23/2002	JCNNM	N/A	~1000 gallons from S.C.
05/03/02	Potable Water	TA-51 Bldg. 51	05/03/02	JCNNM	N/A	~8000 gallons from an air valve malfunction

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Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
05/08/02	Potable Water	TA-22	05/08/02	JCNNM	N/A	~700 gallons from a water line break
05/09/02	Potable Water	TA-6 @ turn off	05/09/02	JCNNM	N/A	~900 gallons water line leak
05/14/02	Steam Condensate	TA-3 MH-1034	05/15/02	JCNNM	N/A	~800 gallons from S.C.
05/15/02	Steam Condensate	TA-3 MH-1029	05/15/02	JCNNM	N/A	~300 gallons from S.C.
05/22/02	Steam Condensate	TA-3 MH-1034	05/23/02	JCNNM	N/A	~1000 gallons from S.C.
05/22/02	Steam Condensate	TA-3 MH-1029	05/22/02	JCNNM	N/A	~700 gallons from S.C.
05/23/02	Steam Condensate	TA-3 MH-1015	05/23/02	JCNNM	N/A	~500 gallons from S.C.
05/30/02	Steam Condensate	TA-3 MH-1029	05/31/02	JCNNM	N/A	~800 gallons from S.C.
05/30/02	Steam Condensate	TA-3 MH-1034	05/31/02	JCNNM	N/A	~1000 gallons from S.C.
06/13/02	Potable Water	TA-40-5	06/31/02	DX-2	N/A	~500 gallons from a hose failure
06/25/02	Potable Water	TA-3 443 U. house	06/26/02	JCNNM	N/A	~500 gallons from a high pressure wash
06/29/02	Potable Water	TA-11	06/29/02	ESA	N/A	~17000 gallons from a water line break
07/02/02	Potable Water	TA-54 Area 6	07/02/02	JCNNM	N/A	~2000 gallons form a broken 10” water line
07/05/02	Potable Water	TA-22-5	07/05/05	DX-DO	N/A	~1350 gallons from a failed PID fire water valve
07/10/02	Potable Water	TA-22-5	07/10/02	DX	N/A	~500 gallons from a pressure sensor failure
07/14/02	Potable Water	TA-22-5	07/14/02	DX-FM	N/A	~300 gallons from a pressure sensor failure
08/03/02	Potable Water	TA-16 220 Complex	07/30/02	JCNNM	N/A	~30000 gallons from a cut and cap activity on a water main
08/10/02	Potable Water	TA-16 bldg 220	08/10/02	JCNNM	N/A	~30000 gallons from a cut and cap activity on a water main
08/16/02	Potable Water	TA-16-205/450	08/16/02	FWO	N/A	~10700 gallons (hydrant)

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Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
08/19/02	Potable Water	TA-9-38	08/20/02	DX	N/A	~700 gallons from a tank leak test
08/20/02	Potable Water	TA-46 bldg 24	08/20/02	JCNNM	N/A	~310 gallons from a leak on a water valve
08/28/02	Potable Water	TA-16 bldg 224	08/28/02	JCNNM	N/A	~1750 gallons from a broken 1 inch stubout on a 6 inch water main
08/28/02	Potable Water	TA-15 bldg 40	08/28/02	JCNNM	N/A	~10000 gallons from a water main break
08/29/02	Potable Water	TA-26-224	08/29/02	Contractor	N/A	~2600 gallons from a 1 inch water line leak
09/11/02	Potable Water	TA-15	09/12/02	DX	N/A	~600 gallons from a water main break
09/24/02	Potable Water	TA-53-622	09/24/02	LANSCE	N/A	~500 gallons from a concrete cutting saw operation

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Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
10/09/2002	Hydrant Flushing	TA-46-463	10/09/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
10/10/2002	Hydrant Flushing	TA-15-171	10/10/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
10/10/2002	Hydrant Flushing	TA-15-536	10/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
10/10/2002	Hydrant Flushing	TA-15-932	10/10/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
10/22/2002	Hydrant Flushing	TA-22-422	10/22/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
10/22/2002	Hydrant Flushing	TA-22-903	10/22/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
10/22/2002	Hydrant Flushing	TA-39-929	10/22/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
10/22/2002	Hydrant Flushing	TA-40-533	10/22/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
10/28/2002	Potable Water	TA3-1053 & 261 (Otowi Complex)	10/28/2002	FWO-PM	N/A	~1,350 gallons of potable water released from a water line break during construction activities.
10/31/2002	Potable Water	TA-55	10/31/2002	NMT-7	N/A	~15,000 gallons of water from a line flushing.
11/05/2002	Potable Water	TA-06 along 2 Mile Rd.	11/05/2002	DX-4	N/A	~100,000 gallons of potable water released from a fire suppression system storage tank.
11/06/2002	Potable Water	TA-54 at Pajarito Rd.	11/06/2002	FWO-SWO	N/A	~750 gallons of potable water was released from water line repairs.
11/10/2002	Potable Water	TA-3-SCC	11/10/2002	Utilities	N/A	~64,800 gallons of potable water released from a broken 8” water line.
11/14/2002	Potable Water	TA-15 (Phermex)	11/14/2002	Utilities	N/A	~20,000 gallons of potable water released from a broken hydrant.
11/21/2002	Steam Condensate	TA-3 MH-1034	11/22/2002	Utilities	N/A	~150 gallons from S.C..
11/21/2002	Steam Condensate	TA-3 MH-1029	11/22/2002	Utilities	N/A	~150 gallons from S.C..
11/21/2002	Steam Condensate	TA-3 MH-1015	11/22/2002	Utilities	N/A	~150 gallons from S.C..

12/06/2003	Hydrant Flushing	TA-15-171	12/06/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
12/06/2003	Hydrant Flushing	TA-15-536	12/06/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
12/06/2003	Hydrant Flushing	TA-15-932	12/06/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
12/06/2003	Hydrant Flushing	TA-22-422	12/06/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
12/06/2003	Hydrant Flushing	TA-22-903	12/06/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
12/10/2002	Potable Water	TA-11	12/10/2002	Utilities	N/A	~2,550 gallons of potable water from a 3” water main leak.
12/10/2003	Hydrant Flushing	TA-40-533	12/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
12/10/2003	Hydrant Flushing	TA-46-463	12/10/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
12/11/2003	Hydrant Flushing	TA-39-929	12/11/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
12/18/2002	Potable Water	TA-18-116	12/18/2002	NIS-6	N/A	~300 gallons of potable water was released and used for landscaping purposes.
12/31/2002	Potable Water	TA-40-11	01/06/2003	DX	N/A	~100 gallons of potable water from a boiler line in building TA-40-11.
01/06/2003	Hydrant Flushing	TA-15-171	01/06/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from a hydrant flushing.
01/06/2003	Hydrant Flushing	TA-15-536	01/06/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from a hydrant flushing.
01/06/2003	Hydrant Flushing	TA-15-932	01/06/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from a hydrant flushing.
01/08/2003	Seasonal Runoff Water	TA-6-126	01/07/2003	DX	N/A	~7,000 gallons of seasonal runoff water pumped from a concrete electrical vault.
01/08/2003	Potable Water	TA-55	01/08/2002	NMT-7	N/A	<1,000 gallons on potable water from a water truck.
01/08/2003	Potable Water	TA-55 Fire Loop Project	01/08/2003	NMT-7	N/A	~10,000 gallons of de-chlorinated potable water from the line

						flushing.
01/10/2003	Hydrant Flushing	TA-22-422	01/10/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from a hydrant flushing.
01/10/2003	Hydrant Flushing	TA-22-903	01/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from a hydrant flushing.
01/13/2003	Hydrant Flushing	TA-39-020	01/13/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from a hydrant flushing.
01/15/2003	Potable Water	TA-55 Fire Loop Project	01/08/2003	NMT-7	N/A	~10,000 gallons of de-chlorinated potable water from the Fire Loop Project line flushing.
01/16/2003	Hydrant Flushing	TA-46-463	01/16/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from a hydrant flushing.
01/27/2003	Hydrant Flushing	TA-40-533	01/27/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from a hydrant flushing.
01/28/2003	Hydrant Flushing	TA-55 Fire Hydrants	01/27/2003	NMT-7	N/A	~10,000 gallons of potable water from 7 hydrants at TA-55.
01/29/2003	Hydrant Flushing	TA-55 Fire Hydrants	01/27/2003	NMT-7	N/A	~10,000 gallons of potable water from 7 hydrants at TA-55.
02/05/2003	Hydrant Flushing	TA-15-171	02/05/2003	Utilities	N/A	~6,000 gallons of potable water from hydrant flushing.
02/05/2003	Hydrant Flushing	TA-15-536	02/05/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
02/05/2003	Hydrant Flushing	TA-15-932	02/05/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
02/07/2003	Hydrant Flushing	TA-22-422	02/07/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
02/07/2003	Hydrant Flushing	TA-22-903	02/07/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
02/11/2003	Hydrant Flushing	TA-40-533	02/11/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
02/12/2003	Hydrant Flushing	TA-39-929	02/12/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
02/15/2003	Potable Water	TA-6 Outside	02/10/2003	DX	N/A	~34,500 gallons of potable water from water main repairs.

02/19/2003	Potable Water	TA-16-332	02/19/2003	DX	N/A	~250 gallons of potable water from a fire protection sprinkler equipment failure.
02/20/2003	Hydrant Flushing	TA-46-463	02/20/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
03/10/2003	Hydrant Flushing	TA-15-171	03/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
03/10/2003	Hydrant Flushing	TA-15-536	03/10/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
03/10/2003	Hydrant Flushing	TA-15-932	03/10/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
03/10/2003	Hydrant Flushing	TA-22-422	03/10/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
03/11/2003	Steam Condensate	TA-3-223	03/11/2003	Utilities	N/A	~7200 gallons of steam condensate was released from a broken line.
03/17/2003	Hydrant Flushing	TA-40-533	03/17/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
03/17/2003	Hydrant Flushing	TA-46-463	03/17/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
03/26/2003	Hydrant Flushing	TA-39-929	03/26/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
03/26/2003	Hydrant Flushing	North of TA-16-202	03/26/2003	DX	N/A	~2,000 gallons of de-chlorinated water from hydrant flushing.
03/26/2003	Hydrant Flushing	East of TA-16-933	03/26/2003	DX	N/A	~2,000 gallons of de-chlorinated water from hydrant flushing.
03/26/2003	Hydrant Flushing	West of TA-16-933	03/26/2003	DX	N/A	~2,000 gallons of de-chlorinated water from hydrant flushing.
04/08/2003	Hydrant Flushing	TA-15-171	04/08/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
04/08/2003	Hydrant Flushing	TA-15-536	04/08/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
04/08/2003	Hydrant Flushing	TA-15-932	04/08/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
04/15/2003	Hydrant Flushing	TA-22-422	04/15/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.

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04/15/2003	Hydrant Flushing	TA-22-903	04/15/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
04/15/2003	Hydrant Flushing	TA-39-020	04/15/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
04/15/2003	Hydrant Flushing	TA-40-533	04/15/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
04/17/2003	Hydrant Flushing	TA-46-463	04/17/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
04/28/2003	Potable Water	TA-3 MH-1010	04/29/2003	Utilities	N/A	~500 gallons of potable water from a Manhole (MH) water accumulation.
04/28/2003	Potable Water	TA-3 MH-1034	04/29/2003	Utilities	N/A	~200 gallons of potable water from a Manhole (MH) water accumulation.
05/01/2003	Potable Water	TA-69 New EOC Construction Area	04/29/2003	PM	N/A	~15,000 gallons of potable water from holding tanks.
05/06/2003	Potable Water	TA-3-216	05/06/2003	Utilities	N/A	~600 gallons of potable water from a malfunctioning sprinkler.
05/09/2003	Potable Water	TA-69 New EOC Construction Area	05/08/2003	PM	N/A	~4000 gallons of potable water from holding tanks
05/12/2003	Potable Water	TA-15-171	05/12/2003	Utilities	N/A	~5400 gallons of potable water from hydrant flushing.
05/12/2003	Potable Water	TA-15-536	05/12/2003	Utilities	N/A	~5000 gallons of potable water from hydrant flushing.
05/12/2003	Potable Water	TA-15-932	05/12/2003	Utilities	N/A	~3000 gallons of potable water from hydrant flushing.
05/12/2003	Potable Water	TA-22-422	05/12/2003	Utilities	N/A	~5000 gallons of potable water from hydrant flushing.
05/12/2003	Potable Water	TA-22-903	05/12/2003	Utilities	N/A	~4000 gallons of potable water from hydrant flushing.
05/14/2003	Manhole Water	TA-3 MH-1010	05/18/2003	Utilities	N/A	~700 gallons of manhole accumulation water.
05/14/2003	Manhole Water	TA-3 MH-1015	05/18/2003	Utilities	N/A	~350 gallons of manhole accumulation water.
05/19/2003	Potable Water	TA-46-463	05/19/2003	Utilities	N/A	~3000 gallons of potable water from hydrant flushing.

05/21/2003	Potable Water	TA-33-20	05/21/2003	Utilities	N/A	~300 gallons of potable water from a 1-inch water line break.
05/21/2003	Potable Water	TA-39-20	05/21/2003	Utilities	N/A	~8000 gallons of potable water from hydrant flushing.
05/21/2003	Potable Water	TA-40-533	05/21/2003	Utilities	N/A	~6000 gallons of potable water from hydrant flushing.
05/22/2003	Potable Water	TA-3 MH-1015	05/22/2003	Utilities	N/A	~150 gallons of manhole accumulation water.
05/22/2003	Potable Water	TA-3 MH-1010	05/22/2003	Utilities	N/A	~700 gallons of manhole accumulation water.
06/10/2003	Hydrant Flushing	TA-15-171	06/10/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
06/10/2003	Hydrant Flushing	TA-15-536	06/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
06/10/2003	Hydrant Flushing	TA-15-932	06/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
06/11/2003	Hydrant Flushing	TA-40-533	06/11/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
06/19/2003	Hydrant Flushing	TA-22-422	06/19/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
06/19/2003	Hydrant Flushing	TA22-903	06/19/2003	Utilities	N/A	~9,000 gallons of de-chlorinated water from hydrant flushing.
06/19/2003	Hydrant Flushing	TA-39-020	06/19/2003	Utilities	N/A	~8,000 gallons of de-chlorinated water from hydrant flushing.
06/25/2003	Hydrant Flushing	TA-39-020	06/25/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
07/05/2003	Potable Water	TA-21-342 Water Tower	07/08/2003	Utilities	N/A	~280,000 gallons of potable water from a water tank overflow discharge.
07/09/2003	Hydrant Flushing	TA-40-533	7/09/2003	Utilities	N/A	~9,000 gallons of de-chlorinated water from hydrant flushing.
07/09/2003	Hydrant Flushing	TA-22-903	7/09/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
07/09/2003	Hydrant Flushing	TA-22-422	7/09/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.

07/10/2003	Hydrant Flushing	TA-15-171	7/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
07/10/2003	Hydrant Flushing	TA-15-536	7/10/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
07/10/2003	Hydrant Flushing	TA-15-932	7/10/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
07/16/2003	Hydrant Flushing	TA-39-929	7/16/2003	Utilities	N/A	~7,000 gallons of de-chlorinated water from hydrant flushing.
07/16/2003	Hydrant Flushing	TA-46-463	7/16/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
07/30/2003	Manhole Water	TA-3 MH-1000	7/31/2003	Utilities	N/A	~750 gallons of water from a manhole.
07/30/2003	Manhole Water	TA-3 MH-1015	7/31/2003	Utilities	N/A	~1,000 gallons of accumulation water from a manhole.
07/30/2003	Hydrant Flushing	TA-15-171	7/31/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
07/30/2003	Hydrant Flushing	TA-15-536	7/31/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.
07/30/2003	Hydrant Flushing	TA-15-932	7/31/2003	Utilities	N/A	~5,000 gallons of de-chlorinated water from hydrant flushing.
08/01/2003	Potable Water	TA-3-2322	8/1/2003	Utilities	N/A	~2,500 gallons of potable water was released when an 8-inch watermain was being repaired
08/04/2003	Potable Water	TA-53	8/4/2003	Utilities	N/A	~1,000,000 gallons of potable water was released from a broken 8-inch watermain. The water flowed to Sandia Canyon and over SWMU 20-001(c)-00. The SWMU did not have any erosion impacts.
08/04/2003	De-Ionized Water	TA-15-R306	8/5/2003	DX-4	N/A	~400 gallons of de-ionized water was land applied at DX. No PRS/SWMU impacted. Never reached a watercourse.
08/04/2003	Hydrant Flushing	TA-22-422	8/5/2003	Utilities	N/A	~4,000 gallons of de-chlorinated water from hydrant flushing.

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08/04/2003	Hydrant Flushing	TA-22-903	8/5/2003	Utilities	N/A	~3,000 gallons of de-chlorinated water from hydrant flushing.
08/05/2003	Manhole Water	TA-3 MH-1015	8/6/2003	Utilities	N/A	~500 gallons of manhole accumulation water.
08/05/2003	Manhole Water	TA-3 MH-1000	8/6/2003	Utilities	N/A	~750 gallons of manhole accumulation water.
08/05/2003	Manhole Water	TA-3 MH-1014	8/6/2003	Utilities	N/A	~350 gallons of manhole accumulation water.
08/05/2003	Manhole Water	TA-3 MH-1042	8/6/2003	Utilities	N/A	~250 gallons of manhole accumulation water.
08/08/2003	De-chloronated Potable Water	TA-69-33	8/8/2003	PM-2	N/A	~15,000 gallons of de-chlorinated water from water tank testing operations.
08/08/2003	Potable Water	TA-54	8/8/2003	Utilities	N/A	~2,000 gallons of potable water from a break in a watermain.
08/11/2003	Potable Water	TA-14	8/11/2003	Utilities	N/A	~40,000 gallons of potable water was released from a broken 8-inch watermain. The discharge flowed to Canon de Valle. No PRSs/SWMU impacted.
08/12/2003	Potable Water	TA-9-50	8/12/2003	Utilities	N/A	~3,700 gallons of potable water released from a broken water line. The discharge did not flow to a water course or impact any PRSs/SWMUs.
8/12/2003	De-Chlorinated Potable Water	TA-3	8/14/2003	PM-2	N/A	~1,000 gallons of ed-chlorinated potable water was released to two mile canyon into a culvert
08/14/2003	Manhole Water	TA-3 MH-1014	8/15/2003	Utilities	N/A	~250 gallons of manhole accumulation water.
08/14/2003	Manhole Water	TA-3 MH-1042	8/15/2003	Utilities	N/A	~200 gallons of manhole accumulation water.
08/14/2003	Manhole Water	TA-3 MH-1000	8/15/2003	Utilities	N/A	~400 gallons of manhole accumulation water.
08/14/2003	Manhole Water	TA-3 MH-1015	8/15/2003	Utilities	N/A	~950 gallons of manhole accumulation water.

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08/18/2003	Manhole Water	TA-46 Manholes	8/18/2003	KSL-HENV	N/A	~ 5,000 gallons of rainwater accumulation in several manholes.
08/18/2003	Storm Water	TA-15 PHERMEX	8/15/2003	DX-4	N/A	~500 gallons of storm water from a secondary containment.
08/18/2003	Hydrant Flushing	TA-40-533	8/19/2003	Utilities	N/A	~9,000 gallons of de-chlorinated water from hydrant flushing.
08/21/2003	Potable Water	TA-33-200 Water Tank	8/21/2003	KSL Construction	N/A	~27,000 gallons of potable water from a 2" waterline break.
08/21/2003	De-Chlorinated Hydrant Flushing	TA-16-205, 450	8/25/2003	FWO-FIRE	N/A	~4,000 gallons of de-chlorinated potable water from a hydrant flushing.
08/22/2003	Hydrant Flushing	TA-16-205, 450	8/25/2003	FWO-FIRE	N/A	~2,340 gallons of potable water from a hydrant flushing. Water was prevented from reaching a watercourse.
08/22/2003	Rainwater	TA-36-86	8/22/2003	DX	N/A	~200 gallons of rainwater from a secondary containment structure.
08/22/2003	Rainwater	TA-15-473 and TA-15-474	8/22/2003	DX	N/A	~400 gallons of rainwater from a secondary containment structure.
08/25/2003	Rainwater	TA-15-473 and TA-15-474	8/25/2003	DX	N/A	~900 gallons of rainwater from a secondary containment structure.
08/26/2003	Hydrant Flushing	TA-16-205, 450	8/25/2003	FWO-FIRE	N/A	~1,940 gallons of potable water from a hydrant flushing. Water was prevented from reaching a watercourse.
08/26/2003	Hydrant Flushing	TA-39-929	8/27/2003	Utilities	N/A	~6,000 gallons of de-chlorinated water from hydrant flushing.
09/02/2003	Hydrant Flushing	TA-15-171	10/15/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/02/2003	Hydrant Flushing	TA-15-536	10/15/2003	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/02/2003	Hydrant Flushing	TA-15-932	10/15/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.

09/04/2003	Hydrant Flushing	TA-69-33	8/27/2003	Utilities	N/A	~1,000 gallons of de-chlorinated water from hydrant flushing.
09/04/2003	Rainwater	TA-36-141 and TA-36-142	9/4/2003	DX	N/A	~100 gallons of rainwater from a secondary containment structure.
09/05/2003	Rainwater	TA-15-473 and TA-15-474	9/5/2003	DX	N/A	~400 gallons of rainwater from a secondary containment structure.
09/05/2003	Rainwater	TA-15-461 and TA-15-462	9/5/2003	DX	N/A	~100 gallons of rainwater from a secondary containment structure.
09/08/2003	Manhole Water	TA-3 MH-1042	9/8/2003	Utilities	N/A	~150 gallons of manhole accumulation water.
09/08/2003	Manhole Water	TA-3 MH-1014	9/8/2003	Utilities	N/A	~200 gallons of manhole accumulation water.
09/08/2003	Manhole Water	TA-3 MH-1000	9/8/2003	Utilities	N/A	~300 gallons of manhole accumulation water.
09/11/203	Potable Water	TA-40-73	9/11/2003	Utilities	N/A	~800 gallons of potable water from a 4" water main break.
09/11/2003	Hydrant Flushing	TA-39-929	10/15/2003	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/12/2003	Hydrant Flushing	TA-22-422	10/15/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/12/2003	Hydrant Flushing	TA-22-903	10/15/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/12/2003	Hydrant Flushing	TA-40-533	10/15/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/17/2003	De-Chlorinated Potable Water	TA-33-28	9/15/2003	Utilities	N/A	~25,000 gallons of de-chlorinated potable water from the 33-28 water tank at TA-33 decommissioning activities.
09/17/2003	Potable Water Hydrant Flushing	TA16-205, -450	9/17/2003	Utilities	N/A	~2745 gallons of potable water was discharged to the environment from a hydrant flow test. The release did not reach the

						watercourse.
09/23/2003	Hydrant Flushing	TA-46-463	10/15/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/25/2003	Potable Water Hydrant Flushing	TA-33-39, -113	9/25/2003	FWO-FIRE	N/A	~225 gallons of potable water was discharged to the environment from a broken 2" waterline. No SWMUs/PRSs impacted.
09/26/2003	Potable Water	TA-3-37	9/26/2003	KSL	N/A	~100-200 gallons of potable water released from a sensor tank system failure. No SWMUs/PRSs impacted.
09/26/2003	Potable Water	TA-50-38	9/26/2003	FWO-WFM	N/A	~750 gallons of potable water discharged to the environment from a broken air scrubber waterline.
09/27/2003	Potable Water Hydrant Flushing	TA-50-01	9/27/2003	KSL-CDPM	N/A	~3,000 gallons of potable water was discharged to the environment during a waterline draining. The release did not reach a watercourse
09/29/2003	Potable Water	TA-3-1398	9/29/2003	FWO-WFM	N/A	~100 gallons of potable water was discharged to the environment when a filter tank overflowed at the SERF Facility.

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Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
10/01/2003	Steam Condensate	TA-3 MH-1014	10/01/2003	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
10/01/2003	Steam Condensate	TA-3 MH-1042	10/01/2003	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
10/01/2003	Steam Condensate	TA-3 MH-1010	10/01/2003	Utilities	N/A	~950 gallons of manhole accumulation water from steam condensate.
10/01/2003	Hydrant Flushing	TA-15-171	10/01/2003	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/01/2003	Hydrant Flushing	TA-15-536	10/01/2003	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/01/2003	Hydrant Flushing	TA-15-932	10/01/2003	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/02/2003	Steam Condensate	TA-3 MH-1010	10/05/2003	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
10/02/2003	Steam Condensate	TA-3 MH-1016	10/05/2003	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
10/03/2003	Steam Condensate	TA-3 MH-1014	10/05/2003	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
10/03/2003	Steam Condensate	TA-3 MH-1010	10/05/2003	Utilities	N/A	~950 gallons of manhole accumulation water from steam condensate.
10/03/2003	Steam Condensate	TA-3 MH-1042	10/05/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate.

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10/03/2003	Steam Condensate	TA-3 MH-1032	10/05/2003	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
10/03/2003	Hydrant Flushing	TA-16-205 and -450	10/14/2003	FWO-FIRE	N/A	~2365 gallons of potable water discharged to the environment. The discharge did not reach a watercourse.
10/08/2003 – 10/09/2003	De-Chlorinated Potable Water	TA-3-253	10/02/2003	FWO-WEST	N/A	~40,000 gallons on de-chlorinated potable water from a containment unit was slowly released to Two-Mile Canyon.
10/06/2003	Steam Condensate	TA-3 MH-1014	10/08/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate..
10/06/2003	Steam Condensate	TA-3 MH-1015	10/08/2003	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
10/06/2003	Steam Condensate	TA-3 MH-1000	10/08/2003	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
10/06/2003	Storm Water Discharge	TA-3-22	10/06/2003	KSL-UESB	N/A	~450 gallons of storm water from a secondary containment system.
10/07/2003	Steam Condensate	TA-3 MH-1010	10/08/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate.
10/07/2003	Steam Condensate	TA-3 MH-1042	10/08/2003	Utilities	N/A	~140 gallons of manhole accumulation water from steam condensate.
10/07/2003	Steam Condensate	TA-3 MH-1032	10/08/2003	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
10/08/2003	Steam Condensate	TA-3 MH-1000	10/14/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate.
10/08/2003	Steam Condensate	TA-3 MH-1042	10/14/2003	Utilities	N/A	~175 gallons of manhole accumulation water from steam condensate.

10/08/2003	Steam Condensate	TA-3 MH-1010	10/14/2003	Utilities	N/A	~1000 gallons of manhole accumulation water from steam condensate.
10/08/2003	Steam Condensate	TA-3 MH-1010	10/14/2003	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
10/09/2003	Potable Water	TA-33	10/09/2003	Utilities	N/A	~700 gallons of potable water from a broken water line. No PRSs / SWMUs impacted.
10/10/2003	Steam Condensate	TA-3 MH-1042	10/14/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate..
10/08/2003	Hydrant Flushing	TA-22-422	10/08/2003	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/08/2003	Hydrant Flushing	TA-22-903	10/08/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/08/2003	Hydrant Flushing	TA-40-533	10/08/2003	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/14/2003	Steam Condensate	TA-3 MH-1042	10/15/2003	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
10/14/2003	Steam Condensate	TA-3 MH-1017	10/15/2003	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
10/15/2003	Potable Water	TA-64	10/15/2003	Sub-contractor	N/A	~75,000 gallons of potable water was released from an 8” waterline break.
10/15/2003	Potable Water	TA-48-1	10/15/2003	Utilities	N/A	~10,000 gallons of potable water was released from a waterline valve break.
10/16/2003	Storm Water	TA-36-131, 142	10/17/2003	DX-4	N/A	~400 gallons of stormwater from a secondary containment system.
10/20/2003	Steam	TA-3 MH-1014	10/21/2003	Utilities	N/A	~300 gallons of manhole

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	Condensate					accumulation water from steam condensate.
10/21/2003	Steam Condensate	TA-3 MH-1042	10/21/2003	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
10/21/2003	Substation Vault	TA-53-70	10/21/2003	KSL-HENV	N/A	~1800 gallons of stormwater from a substation vault was discharged to the environment.
10/22/2003	Potable Water	TA-22-32	10/23/2003	Utilities	N/A	~1000 gallons of potable water was released from a 1.5" waterline break.
10/22/2003	Hydrant Flushing	TA-39-929	10/22/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/23/2003	Hydrant Flushing	TA-46-463	10/23/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/27/2003	Potable Water	TA-3-38	10/27/2003	Utilities	N/A	~6000 gallons of potable water was released from a 1" waterline break.
10/29/2003	Potable Water	TA-16-260 MH-116	10/29/2003	ESA	N/A	~1000 gallons of potable water released from Manhole (MH) #116
11/3/2003	Steam Condensate	TA-3-1926, MH-1926	11/03/2003	CCN-4, QWEST	N/A	~400 gallons of manhole accumulation water from steam condensate.
11/03/2003	Hydrant Flushing	TA-40-533	11/03/2003	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/03/2003	Hydrant Flushing	TA-22-422	11/03/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/03/2003	Hydrant Flushing	TA-22-903	11/03/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/04/2003	Blow-down Water	TA-9-21	11/04/2003	DX-2	N/A	~400 gallons of water from a utility blow-down system was

						released to the environment after a back-flow preventor failed.
11/05/2003	Steam Condensate	TA-3 MH-1033	11/06/2003	Utilities	N/A	~675 gallons of manhole accumulation water from steam condensate.
11/05/2003	Steam Condensate	TA-3 MH-1010	11/06/2003	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
11/05/2003	Steam Condensate	TA-3 MH-1000	11/06/2003	Utilities	N/A	~410 gallons of manhole accumulation water from steam condensate.
11/06/2003	Hydrant Flushing	TA-15-171	11/06/2003	Utilities	N/A	~4,400 gallons of de-chlorinated potable water from hydrant flushing activities.
11/06/2003	Hydrant Flushing	TA-15-536	11/06/2003	Utilities	N/A	~6,400 gallons of de-chlorinated potable water from hydrant flushing activities.
11/06/2003	Hydrant Flushing	TA-15-932	11/06/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/09/2003	Potable Water	TA-46	11/12/2003	Utilities	N/A	~10,000 gallons of potable water was released when an 8” fire protection waterline broke. The release flowed over, but did not appear to impact PRS 46-008(g).
11/13/2003	Steam Condensate	TA-3 MH-1014	11/17/2003	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
11/13/2003	Steam Condensate	TA-3 HRL	11/17/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate.
11/13/2003	Steam Condensate	TA-3 MH-1000	11/17/2003	Utilities	N/A	~850 gallons of manhole accumulation water from steam condensate.
11/14/2003	Hydrant Flushing	TA-39-929	11/14/2003	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.

11/14/2003	Steam Condensate	TA-3 MH-1033	11/17/2003	Utilities	N/A	~950 gallons of manhole accumulation water from steam condensate.
11/14/2003	Steam Condensate	TA-3 MH-1014	11/17/2003	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
11/19/2003	Steam Condensate	TA-3 MH-1000	11/20/2003	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
11/24/2003	Potable Water	TA-48 RC-45	11/24/2003	TA-48 Facility	N/A	<100 gallons of potable water was released to the environment when a heating coil ruptured inside the building.
11/24/2003	Potable Water	TA-54-33	11/24/2003	FWO-SWO	N/A	<100 gallons of potable water was released to the environment when a fire suppression line broke inside the building.
11/24/2003	Potable Water	TA-54-215	11/24/2003	FWO-SWO	N/A	~100-200 gallons of potable water was released to the environment when a fire suppression line broke inside the building.
11/25/2003	Hydrant Flushing	TA-46-463	11/25/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/25/2003	Storm Water Discharge	TA-3-22	11/25/2003	LANSCE	N/A	~2,600 gallons of storm water from a secondary containment system.
11/30/2003	Potable Water	TA-60-175	12/02/2003	Utilities	N/A	~10,000 gallons of potable water was released when a sprinkler line broke. The potable water did not appear to flow over any PRSs or SWMUs.
12/02/2003	Hydrant Flushing	TA-15-171	12/24/2003	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/02/2003	Hydrant Flushing	TA-15-536	12/24/2003	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.

12/02/2003	Hydrant Flushing	TA-15-932	12/24/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/02/2003	Hydrant Flushing	TA-22-422	12/24/2003	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/02/2003	Hydrant Flushing	TA-22-903	12/24/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/03/2003	Potable Water	TA-51-27	12/4/2003	Utilities	N/A	~4,050 gallons of potable water was released when a 2" water line broke. The potable water did not appear to flow over any PRSs or SWMUs.
12/02/2003	Storm Water	TA-15-184	12/4/2003	DX-4	N/A	~50 gallons of storm water was discharged from a secondary containment unit.
12/05/2003	Steam Condensate	TA-3 MH-1014	12/05/2003	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
12/08/2003	Steam Condensate	TA-3 MH-1028	12/08/2003	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
12/08/2003	Steam Condensate	TA-3 MH-1000	12/08/2003	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
12/08/2003	Steam Condensate	TA-3 MH-1010	12/08/2003	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
12/09/2003	Hydrant Flushing	TA-39-929	12/24/2003	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/09/2003	Potable Water	TA-3-2398	12/09/2003	PM-DO	N/A	~4,400 gallons of potable water was released when a waterline broke.
12/11/2003	Steam Condensate	TA-3 MH-1014	12/11/2003	Utilities	N/A	~300 gallons of manhole accumulation water from steam

						condensate.
12/11/2003	Steam Condensate	TA-3 MH-1012	12/11/2003	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
12/11/2003	Steam Condensate	TA-3 MH-1010	12/11/2003	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam condensate.
12/11/2003	Steam Condensate	TA-3 MH-1000	12/11/2003	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
12/15/2003	Hydrant Flushing	TA-40-533	12/24/2003	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/15/2003	Hydrant Flushing	TA-46-463	12/24/2003	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/16/2003	Steam Condensate	TA-3 MH-1042	12/16/2003	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
12/16/2003	Steam Condensate	TA-3 MH-1010	12/16/2003	Utilities	N/A	~600 gallons of manhole accumulation water from steam condensate.
12/16/2003	Steam Condensate	TA-3 MH-1014	12/16/2003	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
12/16/2003	Steam Condensate	TA-3 MH-1000	12/16/2003	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
12/16/2003	Steam Condensate	TA-3 MH-1033	12/16/2003	Utilities	N/A	~600 gallons of manhole accumulation water from steam condensate.
12/22/2003	Potable Water	TA-64	12/22/2003	Utilities	N/A	~900 gallons of potable water was released while altering a 12” water main system with a 1” stub-off.

12/24/2003 – 12/29/2003	Water	TA-3-SYLLAC D&D Project Site	01/05/2003	PM-DO	N/A	~300,000 gallons of water was released to the TA-3-SYLLAC D&D project site when a hydrant back-flow preventer froze and ruptured. The water flowed to the basement of the SYLLAC structure and was then filtered and pumped to a storm drain.
01/05/2004	Steam Condensate	TA-3 MH-1033	01/05/2003	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
01/05/2004	Steam Condensate	TA-3 MH-1010	01/05/2003	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam condensate.
01/05/2004	Steam Condensate	TA-3 MH-1014	01/05/2003	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
01/05/2004	Steam Condensate	TA-3 MH-1000	01/05/2003	Utilities	N/A	~900 gallons of manhole accumulation water from steam condensate.
01/06/2004	Steam Condensate	TA-3 MH-1010	01/05/2003	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
01/06/2004	Steam Condensate	TA-3 MH-1042	01/05/2003	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate.
01/07/2004	Hydrant Flushing	TA-15-171	02/13/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/07/2004	Hydrant Flushing	TA-15-932	02/13/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/07/2004	Hydrant Flushing	TA-15-536	02/13/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/09/2004	Hydrant Flushing	TA-22-422	02/13/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant

						flushing activities.
01/09/2004	Hydrant Flushing	TA-22-903	02/13/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/09/2004	Steam Condensate	TA-3-223	01/12/2003	Utilities	N/A	~6,000 gallons of steam condensate water was released from a leaking steam condensate line.
01/14/2004	Potable Water	TA-69 Water Tank 6	01/14/2004	Utilities	N/A	~12,000 gallons of potable water was released from Water Tank 6 at TA-69 when a filling valve stuck open.
01/15/2004	Hydrant Flushing	TA-39-929	02/13/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/15/2004	Hydrant Flushing	TA-40-533	02/13/2004	Utilities	N/A	~9,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/16/2004	Steam Condensate	TA-3 MH-1009	01/21/2003	Utilities	N/A	~950 gallons of manhole accumulation water from steam condensate.
01/16/2004	Steam Condensate	TA-3 MH-1014	01/21/2003	Utilities	N/A	~600 gallons of manhole accumulation water from steam condensate.
01/22/2004	Potable Water	TA-06	01/22/2004	Utilities	N/A	~4,500 gallons of potable water was released when a 6-inch waterline ruptured.
01/28/2004	Hydrant Flushing	TA-46-463	02/13/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/03/2004	Potable Water	TA-18-147	02/03/2004	Utilities	N/A	~6,750 gallons of potable water was released from a leaking 2-in service line.
02/09/2004	Hydrant Flushing	TA-15-171	02/25/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.

02/09/2004	Hydrant Flushing	TA-15-536	02/25/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/09/2004	Hydrant Flushing	TA-15-932	02/25/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/10/2004	Potable Water	TA-17-411, Fire Hydrant #590	02/11/2004	Utilities	N/A	~400 gallons of potable water released from a split 6-inch water line.
02/18/2004	Potable Water	TA-49-153	02/13/2004	Utilities	N/A	~5,000 gallons of potable water released from a split 4-inch water line.
02/18/2004	Hydrant Flushing	TA-22-422	02/25/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/18/2004	Hydrant Flushing	TA-22-903	02/25/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/18/2004	Hydrant Flushing	TA-39-929	02/25/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/18/2004	Hydrant Flushing	TA-40-533	02/25/2004	Utilities	N/A	~9,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/19/2004	Potable Water	TA-48-1	02/13/2004	Utilities	N/A	~5,000 gallons of potable water released from a broken sprinkler system.
02/23/2004	Hydrant Flushing	TA-46-463	02/25/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/26/2004	Steam Condensate	TA-3 MH-1015	02/27/2004	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
02/26/2004	Steam Condensate	TA-3 MH-1000	02/27/2004	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.

Appendix 9. Certification of Watershed Non-Storm Water Discharges (Oct. 1, 2001 – March 24, 2005)

02/26/2004	Steam Condensate	TA-3 MH-1014	02/27/2004	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
02/27/2004	Steam Condensate	TA-09-???	02/27/2004	DX	N/A	~500 gallons of steam condensate water was released to the environment.
03/05/2004	Storm Water	TA-36-86	03/10/2004	DX	N/A	~300 gallons of storm water was discharged to the environment from a secondary containment unit.
03/09/2004	Hydrant Flushing	TA-15-171	03/09/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
03/09/2004	Hydrant Flushing	TA-15-536	03/09/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
03/09/2004	Hydrant Flushing	TA-15-932	03/09/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
03/10/2004	Hydrant Flushing	TA-22-422	03/10/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
03/10/2004	Hydrant Flushing	TA-22-903	03/10/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
03/13/2004	Potable Water	TA-63	3/15/2004	Utilities	N/A	~7,200 gallons of potable water was released when a valve broke on an 8-inch water line.
03/16/2004	Potable Water	TA-52-44	3/17/2004	Utilities	N/A	~300 gallons of potable water was released from a broken 1.25-Inch waterline.
03/16/2004	Hydrant Flushing	TA-39-929	03/16/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
03/16/2004	Hydrant Flushing	TA-40-533	03/16/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.

03/15/2004	Storm Water	TA-36-86	3/17/2004	DX	N/A	~250 gallons of storm water was discharged to the environment from a secondary containment unit.
03/17/2004	Storm Water	TA-15-473 and TA-15-474	3/17/2004	DX	N/A	~200 gallons of storm water was discharged to the environment from a secondary containment unit.
03/24/2004	Hydrant Flushing	TA-46-463	03/24/2004	Utilities	N/A	~7,600 gallons of de-chlorinated potable water from hydrant flushing activities.
04/05/2004	Storm Water	TA-36-141 and TA-36-142	4/19/2004	DX	N/A	~400 gallons of storm water was discharged to the environment from a secondary containment unit.
04/06/2004	Storm Water	TA-36-141 and TA-36-142	4/19/2004	DX	N/A	~400 gallons of storm water was discharged to the environment from a secondary containment unit.
04/07/2004	Storm Water	TA-15-473 and TA-15-474	4/19/2004	DX	N/A	~600 gallons of storm water was discharged to the environment from a secondary containment unit.
04/08/2004	Storm Water	TA-36-141 and TA-36-142	4/19/2004	DX	N/A	~200 gallons of storm water was discharged to the environment from a secondary containment unit.
04/08/2004	Hydrant Flushing	TA-15-171	04/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
04/08/2004	Hydrant Flushing	TA-15-536	04/08/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
04/08/2004	Hydrant Flushing	TA-15-932	04/08/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
04/15/2004	Storm Water	TA-15-461 and TA-15-462	4/19/2004	DX	N/A	~900 gallons of storm water was discharged to the environment from a secondary containment unit.
04/15/2004	Hydrant Flushing	TA-22-422	04/15/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.

04/15/2004	Hydrant Flushing	TA-22-903	04/15/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
04/15/2004	Hydrant Flushing	TA-40-533	04/15/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
04/16/2004	Storm Water	TA-15-473 and TA-15-474	4/19/2004	DX	N/A	~800 gallons of storm water was discharged to the environment from a secondary containment unit.
04/17/2004	Hydrant Flushing	TA-39-929	04/17/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
04/22/2004	Hydrant Flushing	TA-63 New FWO Administration Building Construction Site	04/22/2004	PM-DS	N/A	~900 gallons of de-chlorinated potable water from hydrant flushing activities.
04/26/2004	Potable Water	TA-53 LANSCE	03/26/2004	LANSCE	N/A	~30,000 gallons of water will be used as dust suppression and landscape watering.
04/27/2004	Hydrant Flushing	TA-46-463	04/27/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
05/05/2004	Hydrant Flushing	TA-15-171	05/05/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
05/05/2004	Hydrant Flushing	TA-15-536	05/05/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
05/05/2004	Hydrant Flushing	TA-15-932	05/05/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
05/08/2004	Potable Water	TA-3 NSSB Construction Site	05/08/2004	PM	N/A	~5,000 gallons of potable water was released to upper Sandia Canyon when a 5-inch waterline broke.
05/12/2004	Hydrant Flushing	TA-22-422	05/12/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant

						flushing activities.
05/12/2004	Hydrant Flushing	TA-22-903	05/12/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
07/15/2004	Storm Water	TA-15-473 and -474	07/15/2004	DX	N/A	~500 gallons of storm water was discharged to the environment from a secondary containment unit.
05/17/2004	Hydrant Flushing	TA-39-929	05/17/2004	Utilities	N/A	~9,000 gallons of de-chlorinated potable water from hydrant flushing activities.
05/18/2004	Hydrant Flushing	TA-46-463	05/18/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
05/19/2004	Potable Water	TA-54-2	05/19/2004	FWO-SWO	N/A	~500 gallons of potable water was release to the environment when a backflow preventer failed. The potable water did not reach a watercourse.
05/20/2004	Potable Water	TA-3 NSSB Construction Site	05/21/2004	Utilities	N/A	~3,300 gallons of potable water was released to upper Sandia Canyon when a 5-inch waterline broke.
05/23/2004	Potable Water	TA-09	05/24/2004	Utilities	N/A	~24,000 gallons of potable water was released to Canon de Valle when a 6-inch water line ruptured.
05/24/2004	Hydrant Flushing	TA-40-533	05/24/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/14/2004	Hydrant Flushing	TA-22-422	06/14/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/14/2004	Hydrant Flushing	TA-40-533	06/14/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/14/2004	Hydrant Flushing	TA-22-422	06/14/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant

						flushing activities.
06/15/2004	Hydrant Flushing	TA-15-171	06/15/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/15/2004	Hydrant Flushing	TA-15-536	06/15/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/15/2004	Hydrant Flushing	TA-15-932	06/15/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/16/2004	Hydrant Flushing	TA-39-929	06/16/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
06/25/2004	Hydrant Flushing	TA-46-463	06/25/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
07/03/2004	Hydrant Flushing	TA-53-31	05/06/2004	LA County Fire Dept.	N/A	~250 gallons of potable water from hydrant flushing activities. Did not reach a watercourse.
07/07/2004	Hydrant Flushing	TA-16-202	05/07/2004	LA County Fire Dept.	N/A	~900 gallons of potable water from hydrant flushing activities. Did not reach a watercourse.
07/08/2004	Hydrant Flushing	TA-15-171	07/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
07/08/2004	Hydrant Flushing	TA-15-536	07/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
07/09/2004	Hydrant Flushing	TA-15-932	07/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
07/27/2004	Storm Water	TA-53-365	07/27/2004	LANSCE	N/A	~2,600 gallons of storm water was discharged to the environment from a secondary containment unit.

07/28/2004	Storm Water	TA-15-473 and -474	07/28/2004	DX	N/A	~950 gallons of storm water was discharged to the environment from a secondary containment unit.
07/29/2004	Storm Water	TA-15-461 and -462	07/29/2004	DX	N/A	~900 gallons of storm water was discharged to the environment from a secondary containment unit.
08/05/2004	Hydrant Flushing	TA-15-932	08/05/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/05/2004	Hydrant Flushing	TA-22-422	08/05/2004	Utilities	N/A	~9,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/05/2004	Hydrant Flushing	TA-22-903	08/05/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/05/2004	Hydrant Flushing	TA-39-929	08/05/2004	Utilities	N/A	~10,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/05/2004	Hydrant Flushing	TA-40-533	08/05/2004	Utilities	N/A	~9,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/11/2004	Hydrant Flushing	TA-15-171	08/11/2004	Utilities	N/A	~8,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/11/2004	Hydrant Flushing	TA-15-536	08/11/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/12/2004	Storm Water	TA-15-473 and -474	08/12/2004	DX	N/A	~850 gallons of storm water was discharged to the environment from a secondary containment unit.
08/12/2004	Hydrant Flushing	TA-16-205, 450	08/19/2004	FWO-FIRE	N/A	~2,700 gallons of potable water from hydrant flushing activities.
08/16/2004	Storm Water	TA-36-141 and -142	08/27/2004	DX	N/A	~150 gallons of storm water was discharged to the environment from a secondary containment unit.

Appendix 9. Certification of Watershed Non-Storm Water Discharges (Oct. 1, 2001 – March 24, 2005)

08/18/2004	Storm Water	TA-3 Manhole 801	08/18/2004	KSL	N/A	~400 gallons of storm water was discharged to the environment from a manhole.
08/18/2004	Storm Water	TA-3 Manhole 809	08/18/2004	KSL	N/A	~450 gallons of storm water was discharged to the environment from a manhole.
08/18/2004	Storm Water	TA-15-473 and -474	08/26/2004	DX	N/A	~600 gallons of storm water was discharged to the environment from a secondary containment unit.
08/19/2004	Storm Water	TA-53-365	08/19/2004	LANSCE	N/A	~2600 gallons of storm water was discharged to the environment from a secondary containment unit.
08/20/2004	Steam Condensate	TA-3 Manhole 1042	08/23/2004	Utilities	N/A	~650 gallons of steam condensate water was released to the environment.
08/20/2004	Steam Condensate	TA-3 Manhole 1017	08/23/2004	Utilities	N/A	~1,850 gallons of steam condensate water was released to the environment.
08/20/2004	Steam Condensate	TA-3 Manhole 1034	08/23/2004	Utilities	N/A	~700 gallons of steam condensate water was released to the environment.
08/20/2004	Storm Water	TA-36-141 and -142	08/27/2004	DX	N/A	~375 gallons of storm water was discharged to the environment from a secondary containment unit.
08/20/2004	Storm Water	TA-15-473 and -474	08/26/2004	DX	N/A	~350 gallons of storm water was discharged to the environment from a secondary containment unit.
08/22/2004	Storm Water	TA-15-473 and -474	08/26/2004	DX	N/A	~400 gallons of storm water was discharged to the environment from a secondary containment unit.
08/22/2004	Storm Water	TA-36-141 and -142	08/27/2004	DX	N/A	~200 gallons of storm water was discharged to the environment from a secondary containment unit.
08/23/2004	Steam Condensate	TA-3 Manhole 1038	08/23/2004	Utilities	N/A	~700 gallons of steam condensate water was released to the environment.

08/23/2004	Steam Condensate	TA-3 Manhole 1034	08/24/2004	Utilities	N/A	~1,500 gallons of steam condensate water was released to the environment.
08/23/2004	Steam Condensate	TA-3 Manhole 1017	08/24/2004	Utilities	N/A	~1,800 gallons of steam condensate water was released to the environment.
08/23/2004	Steam Condensate	TA-3 Manhole 1042	08/24/2004	Utilities	N/A	~500 gallons of steam condensate water was released to the environment.
08/23/2004	Storm Water	TA-15-473 and -474	08/26/2004	DX	N/A	~250 gallons of storm water was discharged to the environment from a secondary containment unit.
08/24/2004	Storm Water	TA-3-410 Manhole 803	08/24/2004	KSL	N/A	~269 gallons of storm water was discharged to the environment from a manhole.
08/24/2004	Storm Water	TA-15-473 and -474	08/26/2004	DX	N/A	~250 gallons of storm water was discharged to the environment from a secondary containment unit.
08/25/2004	Steam Condensate	TA-3 Manhole 1011	08/27/2004	Utilities	N/A	~1,000 gallons of steam condensate water was released to the environment.
08/25/2004	Hydrant Flushing	TA-46-463	08/25/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
08/25/2004	Steam Condensate	TA-3 Manhole 1042	08/27/2004	Utilities	N/A	~500 gallons of steam condensate water was released to the environment.
08/25/2004	Steam Condensate	TA-3 Manhole 1034	08/27/2004	Utilities	N/A	~2,000 gallons of steam condensate water was released to the environment.
08/25/2004	Steam Condensate	TA-3 Manhole 1017	08/27/2004	Utilities	N/A	~2,000 gallons of steam condensate water was released to the environment.
08/26/2004	Potable Water	State Road 501 (West Jemez Road) over Water Canyon	08/26/2004	Utilities	N/A	~13,500 gallons of potable water was released to Water Canyon when a 6-inch waterline broke.

08/27/2004	Storm Water	TA-3-36 Manhole 1371	08/27/2004	KSL	N/A	~1,200 gallons of storm water was discharged to the environment from a manhole.
08/31/2004	Steam Condensate	TA-3 Manhole 1020	08/31/2004	Utilities	N/A	~300 gallons of steam condensate water was released to the environment.
08/31/2004	Steam Condensate	TA-3 Manhole 1034	08/31/2004	Utilities	N/A	~850 gallons of steam condensate water was released to the environment.
08/31/2004	Steam Condensate	TA-3 Manhole 1017	08/31/2004	Utilities	N/A	~900 gallons of steam condensate water was released to the environment.
09/07/2004	Storm Water	TA-53-365	09/07/2004	LANSCE	N/A	~2,600 gallons of storm water was discharged to the environment from a secondary containment unit.
09/07/2004	Steam Condensate	TA-3 Manhole 1017	09/07/2004	Utilities	N/A	~2,000 gallons of steam condensate water was released to the environment.
09/07/2004	Storm Water	TA-15-473 and -474	09/07/2004	DX	N/A	~500 gallons of storm water was discharged to the environment from a secondary containment unit.
09/08/2004	Steam Condensate	TA-3 Manhole 1034	09/09/2004	Utilities	N/A	~1,000 gallons of steam condensate water was released to the environment.
09/08/2004	Steam Condensate	TA-3 Manhole 1020	09/09/2004	Utilities	N/A	~500 gallons of steam condensate water was released to the environment.
09/08/2004	Steam Condensate	TA-3 Manhole 1017	09/09/2004	Utilities	N/A	~800 gallons of steam condensate water was released to the environment.
09/08/2004	Steam Condensate	TA-3 Manhole 1042	09/09/2004	Utilities	N/A	~800 gallons of steam condensate water was released to the environment.
09/09/2004	Storm Water	TA-53-03 Manhole 210	09/09/2004	KSL	N/A	~500 gallons of storm water was discharged to the environment from a manhole.

Appendix 9. Certification of Watershed Non-Storm Water Discharges (Oct. 1, 2001 – March 24, 2005)

09/09/2004	Storm Water	TA-53-03 Manhole 211	09/09/2004	KSL	N/A	~250 gallons of storm water was discharged to the environment from a manhole.
09/10/2004	Steam Condensate	TA-3 Manhole 1034	09/13/2004	Utilities	N/A	~500 gallons of steam condensate water was released to the environment.
09/10/2004	Steam Condensate	TA-3 Manhole 1003	09/13/2004	Utilities	N/A	~800 gallons of steam condensate water was released to the environment.
09/10/2004	Steam Condensate	TA-3 Manhole 1042	09/13/2004	Utilities	N/A	~600 gallons of steam condensate water was released to the environment.
09/10/2004	Steam Condensate	TA-3 Manhole 1034	09/13/2004	Utilities	N/A	~1,500 gallons of steam condensate water was released to the environment.
09/10/2004	Steam Condensate	TA-3 Manhole 1020	09/13/2004	Utilities	N/A	~500 gallons of steam condensate water was released to the environment.
09/10/2004	Steam Condensate	TA-3 Manhole 1017	09/13/2004	Utilities	N/A	~1,500 gallons of steam condensate water was released to the environment.
09/11/2004	Steam Condensate	TA-3 HRL	09/14/2004	Utilities	N/A	~400 gallons of steam condensate water was released to the environment.
09/11/2004	Steam Condensate	TA-3 Manhole 1011	09/14/2004	Utilities	N/A	~200 gallons of steam condensate water was released to the environment.
09/20/2004	Storm Water	TA-15-473 and -474	09/24/2004	DX	N/A	~200 gallons of storm water was discharged to the environment from a secondary containment unit.
09/21/2004	Storm Water	TA-36-141 and -142	09/24/2004	DX	N/A	~350 gallons of storm water was discharged to the environment from a secondary containment unit.

09/21/2004	Hydrant Flushing	TA-46-463	09/21/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/22/2004	Steam Condensate	TA-3 Manhole 1003	09/24/2004	Utilities	N/A	~800 gallons of steam condensate water was released to the environment.
09/22/2004	Steam Condensate	TA-3 Manhole 1020	09/24/2004	Utilities	N/A	~400 gallons of steam condensate water was released to the environment.
09/23/2004	Potable Water	TA-14-57 between PRV 6-inch main	09/24/2004	Utilities	N/A	~600 gallons of potable water was released to the environment when there was a material failure on a waterline.
09/27/2004	Hydrant Flushing	TA-15-171	09/27/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/27/2004	Hydrant Flushing	TA-15-536	09/27/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/27/2004	Hydrant Flushing	TA-15-932	09/27/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/27/2004	Hydrant Flushing	TA-22-422	09/27/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/27/2004	Hydrant Flushing	TA-22-903	09/27/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/28/2004	Hydrant Flushing	TA-39-929	09/28/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
09/28/2004	Hydrant Flushing	TA-40-533	09/28/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.

Appendix 9. Certification of Watershed Non-Storm Water Discharges (Oct. 1, 2001 – March 24, 2005)

09/30/2004	Storm Water	TA-3 #31 and SCC Manhole 1258	09/30/2004	KSL	N/A	~300 gallons of storm water was discharged to the environment from a manhole.
09/30/2004	Steam Condensate	TA-3 Manhole HRL	09/30/2004	Utilities	N/A	~400 gallons of steam condensate water was released to the environment.
09/30/2004	Steam Condensate	TA-3 Manhole 1001	09/30/2004	Utilities	N/A	~150 gallons of steam condensate water was released to the environment.
09/30/2004	Steam Condensate	TA-3 Manhole 1018	09/30/2004	Utilities	N/A	~100 gallons of steam condensate water was released to the environment.
09/30/2004	Steam Condensate	TA-3 Manhole 1020	09/30/2004	Utilities	N/A	~300 gallons of steam condensate water was released to the environment.
09/30/2004	Steam Condensate	TA-3 Manhole 1034	09/30/2004	Utilities	N/A	~800 gallons of steam condensate water was released to the environment.

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Occurrence Date	Type of Release	Location	Notification Date	Division	Close Out	Comments
10/01/2004	Storm Water	TA-36-141 and -142	10/01/2004	DX	N/A	~125 gallons of storm water was discharged to the environment from a secondary containment unit.
10/04/2004	Storm Water	TA-15-473 and -474	10/04/2004	DX	N/A	~250 gallons of storm water was discharged to the environment from a secondary containment unit.
10/06/2004	Storm Water	TA-15-473 and -474	10/06/2004	DX	N/A	~300 gallons of storm water was discharged to the environment from a secondary containment unit.
10/07/2004	Storm Water	TA-36-141 and -142	10/07/2004	DX	N/A	~750 gallons of storm water was discharged to the environment from a secondary containment unit.
10/07/2004	Storm Water	TA-53-365	10/07/2004	LANSCE	N/A	~2,600 gallons of storm water was discharged to the environment from a secondary containment unit.
10/13/2004	Steam Condensate	TA-3 MH-1034	10/13/2004	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
10/13/2004	Steam Condensate	TA-3 MH-1018	10/13/2004	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
10/13/2004	Steam Condensate	TA-3 MH-HRL	10/13/2004	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
10/14/2004	Steam Condensate	TA-3 MH-1034	10/14/2004	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
10/14/2004	Steam Condensate	TA-3 MH-1034	10/14/2004	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
10/14/2004	Hydrant Flushing	TA-39-929	10/14/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.

10/14/2004	Hydrant Flushing	TA-40-533	10/14/2004	Utilities	N/A	~9,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/18/2004	Steam Condensate	TA-3 MH-1018	10/18/2004	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
10/18/2004	Steam Condensate	TA-3 MH-HRL	10/18/2004	Utilities	N/A	~325 gallons of manhole accumulation water from steam condensate.
10/18/2004	Steam Condensate	TA-3 MH-1034	10/18/2004	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
10/18/2004	Hydrant Flushing	TA-15-171	10/18/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/18/2004	Hydrant Flushing	TA-15-536	10/18/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/22/2004	Hydrant Flushing	TA-22-422	10/22/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/22/2004	Hydrant Flushing	TA-22-903	10/22/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/18/2004	Hydrant Flushing	TA-15-171	10/18/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/25/2004	Steam Condensate	TA-3 MH-1018	10/26/2004	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
10/25/2004	Steam Condensate	TA-3 MH-HRL	10/26/2004	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
10/25/2004	Steam Condensate	TA-3 MH-1034	10/26/2004	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.

10/26/2004	Hydrant Flushing	TA-46-463	10/26/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
10/27/2004	Steam Condensate	TA-3 MH-HRL	10/27/2004	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
10/27/2004	Steam Condensate	TA-3 MH-1035	10/27/2004	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
10/27/2004	Steam Condensate	TA-3 MH-1018	10/27/2004	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
10/27/2004	Steam Condensate	TA-3 MH-1034	10/27/2004	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
10/29/2004	Storm Water	TA-53-365	10/29/2004	LANSCE	N/A	~2,600 gallons of storm water was discharged to the environment from a secondary containment unit.
10/29/2004	Storm Water	TA-15-473 and -474	10/29/2004	DX	N/A	~500 gallons of storm water was discharged to the environment from a secondary containment unit.
11/02/2004	Steam Condensate	TA-3 MH-1044	11/02/2004	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
11/02/2004	Steam Condensate	TA-3 MH-1034	11/02/2004	Utilities	N/A	~1,100 gallons of manhole accumulation water from steam condensate.
11/02/2004	Steam Condensate	TA-3 MH-1018	11/02/2004	Utilities	N/A	~600 gallons of manhole accumulation water from steam condensate.
11/05/2004	Steam Condensate	TA-16-430	11/05/2004	DX	N/A	~1,000 gallons of steam condensate water accumulated from a leaking steam condensate line.
11/08/2004	Steam Condensate	TA-3 MH-HRL	11/08/2004	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.

11/08/2004	Steam Condensate	TA-3 MH-1018	11/08/2004	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
11/08/2004	Steam Condensate	TA-3 MH-1034	11/08/2004	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
11/08/2004	Hydrant Flushing	TA-15-171	11/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/08/2004	Hydrant Flushing	TA-15-536	11/08/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/08/2004	Hydrant Flushing	TA-15-932	11/08/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/08/2004	Hydrant Flushing	TA-22-422	11/08/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/08/2004	Hydrant Flushing	TA-22-903	11/08/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/15/2004	Steam Condensate	TA-3 MH-1034	11/15/2004	Utilities	N/A	~350 gallons of manhole accumulation water from steam condensate.
11/15/2004	Steam Condensate	TA-3 MH-1044	11/15/2004	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
11/15/2004	Steam Condensate	TA-3 MH-1018	11/15/2004	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
11/15/2004	Steam Condensate	TA-3 MH-1034	11/15/2004	Utilities	N/A	~350 gallons of manhole accumulation water from steam condensate.
11/15/2004	Steam Condensate	TA-3 MH-HRL	11/15/2004	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.

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11/16/2004	Steam Condensate	TA-3 MH-1034	11/16/2004	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
11/16/2004	Steam Condensate	TA-3 MH-HRL	11/16/2004	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
11/16/2004	Steam Condensate	TA-3 MH-1034	11/16/2004	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
11/16/2004	Steam Condensate	TA-3 MH-1018	11/16/2004	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
11/16/2004	Steam Condensate	TA-3 MH-1044	11/16/2004	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
11/16/2004	Steam Condensate	TA-3 MH-1034	11/16/2004	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
11/19/2004	Steam Condensate	TA-3 MH-1034	11/19/2004	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
11/19/2004	Steam Condensate	TA-3 MH-1018	11/19/2004	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
11/19/2004	Steam Condensate	TA-3 MH-1034	11/19/2004	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
11/22/2004	Hydrant Flushing	TA-40-533	11/22/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/24/2004	Storm Water	TA-36-141 and -142	11/24/2004	DX	N/A	~500 gallons of storm water was discharged to the environment from a secondary containment unit.
11/24/2004	Storm Water	TA-15-473 and -474	11/24/2004	DX	N/A	~500 gallons of storm water was discharged to the environment from a secondary containment unit.

11/24/2004	Hydrant Flushing	TA-39-929	11/24/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/29/2004	Hydrant Flushing	TA-46-463	11/29/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
11/30/2004	Potable Water	TA-15-534	11/30/2004	Utilities	N/A	~128,500 gallons of potable water was released to the environment when the back-flow preventer on a hydrant ruptured.
12/01/2004	Steam Condensate	TA-3 MH-1018	12/01/2004	Utilities	N/A	~1,100 gallons of manhole accumulation water from steam condensate.
12/01/2004	Steam Condensate	TA-3 MH-HRL	12/01/2004	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
12/06/2004	Hydrant Flushing	TA-22-422	12/06/2004	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/06/2004	Hydrant Flushing	TA-22-903	12/06/2004	Utilities	N/A	~2,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/07/2004	Hydrant Flushing	TA-39-929	12/07/2004	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/08/2004	Hydrant Flushing	TA-15-171	12/08/2004	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/08/2004	Hydrant Flushing	TA-15-536	12/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/08/2004	Hydrant Flushing	TA-15-932	12/08/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/13/2004	Hydrant Flushing	TA-40-533	12/13/2004	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.

12/13/2004	Hydrant Flushing	TA-46-463	12/13/2004	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
12/14/2004 – 12/17/2004	Steam Condensate	TA-3 MH-HRL	12/16/2004	Utilities	N/A	~300 gallons of manhole steam condensate water from a leaking line was released to the environment over three days.
12/21/2004	Potable Water	TA-54	12/21/2004	NWQ-NA	N/A	~5,500 gallons of potable water was discharged as dust suppression.
12/21/2004	Potable Water	TA-16-410 6-inch water main.	12/21/2004	Utilities	N/A	~1,750 gallons of potable water was released to the environment when a 6-inch water main ruptured.
01/03/2005	Potable Water	TA-9-48 3-inch water line.	01/03/2005	Utilities	N/A	~900 gallons of potable water was released to the environment when a 6-inch water line ruptured.
01/03/2005	Potable Water	TA-33-23	01/05/2005	ISR-DO	N/A	~200 gallons of potable water was released to the environment when a waterline inside a building ruptured.
01/03/2005	Storm Water	TA-15-473 and -474	01/03/2005	DX	N/A	~600 gallons of storm water was discharged to the environment from a secondary containment unit.
01/03/2005	Storm Water	TA-15-461 and -462	01/03/2005	DX	N/A	~500 gallons of storm water was discharged to the environment from a secondary containment unit.
01/03/2005	Steam Condensate	TA-3 MH-1018	01/03/2005	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
01/03/2005	Steam Condensate	TA-3 MH-1010	01/03/2005	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
01/03/2005	Steam Condensate	TA-3 MH-HRL	01/03/2005	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.

01/03/2005	Steam Condensate	TA-3 MH-1000	01/03/2005	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
01/04/2005	Hydrant Flushing	TA-15-171	01/04/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/04/2005	Hydrant Flushing	TA-15-536	01/04/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/04/2005	Hydrant Flushing	TA-15-932	01/04/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/04/2005	Hydrant Flushing	TA-22-422	01/04/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/04/2005	Hydrant Flushing	TA-22-903	01/04/2005	Utilities	N/A	~3,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/22/2005	Potable Water	TA-3 NSSB	01/03/2005	PM-DS	N/A	~4,600 gallons of de-chlorinated potable water will be released to the environment during a water main tie in.
01/06/2005	Storm Water	TA-36-141 and -142	01/06/2005	DX	N/A	~300 gallons of storm water was discharged to the environment from a secondary containment unit.
01/07/2005	Storm Water	TA-36-141 and -142	01/07/2005	DX	N/A	~150 gallons of storm water was discharged to the environment from a secondary containment unit.
01/11/2005	Potable Water	TA-46-31	01/11/2004	Utilities	N/A	~2,500 gallons of potable water was discharged from an excavated pit during repair work on a waterline.
01/14/2005	Steam Condensate	TA-3 MH-1019	01/14/2005	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
01/14/2005	Steam Condensate	TA-3 MH-1010	01/14/2005	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam

						condensate.
01/14/2005	Steam Condensate	TA-3 MH-1022	01/14/2005	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
01/14/2005	Steam Condensate	TA-3 MH-1000	01/14/2005	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam condensate.
01/14/2005	Hydrant Flushing	TA-39-929	01/14/2005	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/14/2005	Hydrant Flushing	TA-40-533	01/14/2005	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/18/2005	Steam Condensate	TA-3 MH-1018	01/18/2005	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
01/19/2005	Hydrant Flushing	TA-46-463	01/19/2005	Utilities	N/A	~6,000 gallons of de-chlorinated potable water from hydrant flushing activities.
01/20/2005	Steam Condensate	TA-3 MH-1010	01/20/2005	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
01/20/2005	Steam Condensate	TA-3 MH-1018	01/20/2005	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
01/20/2005	Steam Condensate	TA-3 MH-1000	01/20/2005	Utilities	N/A	~1,800 gallons of manhole accumulation water from steam condensate.
01/24/2005	Steam Condensate	TA-3 MH-1018	01/24/2005	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
01/24/2005	Steam Condensate	TA-3 MH-1010	01/24/2005	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam condensate.
01/24/2005	Steam Condensate	TA-3 MH-1000	01/24/2005	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam

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						condensate.
01/25/2005	Storm Water	TA-3-22	01/25/2005	Utilities	N/A	~25-30 gallons of storm water was discharged to the environment from a Manhole.
01/25/2005	Storm Water	TA-3-22	01/25/2005	Utilities	N/A	~100 gallons of storm water was discharged to the environment from a Manhole.
01/28/2005	Storm Water	TA-36-141 and -142	01/28/2005	DX	N/A	~200 gallons of storm water was discharged to the environment from a secondary containment unit.
01/31/2005	Potable Water	TA-3 NSSB Project Site	01/24/2005	PM	N/A	~37,000 gallons of de-chlorinated potable water was discharged to a storm drain during a roof leak test.
02/02/2005	Steam Condensate	TA-3 MH-1019	02/02/2005	Utilities	N/A	~700 gallons of manhole accumulation water from steam condensate.
02/02/2005	Steam Condensate	TA-3 MH-1018	02/02/2005	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
02/02/2005	Steam Condensate	TA-3 MH-1022	02/02/2005	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
02/02/2005	Steam Condensate	TA-3 MH-1000	02/02/2005	Utilities	N/A	~2,000 gallons of manhole accumulation water from steam condensate.
02/02/2005	Hydrant Flushing	TA-39-929	02/02/2005	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/04/2005	Storm Water	TA-36-141 and -142	02/04/2005	DX	N/A	~150 gallons of storm water was discharged to the environment from a secondary containment unit.
02/07/2005	Potable Water	TA-69	02/07/2005	Utilities	N/A	~10,000 gallons of potable water was released to upper Sandia Canyon and upper Two Mile Canyon when a 6” water main ruptured.

02/07/2005	Steam Condensate	TA-3 MH-1018	02/07/2005	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam condensate.
02/07/2005	Steam Condensate	TA-3 MH-HRL	02/07/2005	Utilities	N/A	~2,000 gallons of manhole accumulation water from steam condensate.
02/07/2005	Steam Condensate	TA-3 MH-1000	02/07/2005	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
02/08/2005	Steam Condensate	TA-3 MH-1022	02/08/2005	Utilities	N/A	~600 gallons of manhole accumulation water from steam condensate.
02/08/2005	Potable Water	TA-14	02/08/2005	Utilities	N/A	~5,000 gallons of potable water was released to the environment and flowed to Canon de Valle when a 6” water main ruptured.
02/08/2005	Storm Water	TA-53-365	01/28/2005	LANSCE	N/A	~2,600 gallons of storm water was discharged to the environment from a secondary containment unit.
02/10/2005	Hydrant Flushing	TA-22-422	02/10/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/10/2005	Hydrant Flushing	TA-22-903	02/10/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/10/2005	Hydrant Flushing	TA-40-533	02/10/2005	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/14/2005	Storm Water	TA-36-141 and -142	02/14/2005	DX	N/A	~450 gallons of storm water was discharged to the environment from a secondary containment unit.
02/14/2005	Potable Water	TA-3 NSSB	02/14/2005	PM	N/A	~4,700 gallons of de-chlorinated potable water was released to the environment and flowed to upper Sandia Canyon during a water line tie-in.

02/14/2005	Potable Water	TA 63-111	02/14/2005	FM-DO	N/A	~250 gallons of potable water was discharged to a parking lot during a fire protection system test. No discharge to a watercourse.
02/14/2005	Steam Condensate	TA-3 MH-1019	02/14/2005	Utilities	N/A	~900 gallons of manhole accumulation water from steam condensate.
02/14/2005	Steam Condensate	TA-3 MH-1018	02/14/2005	Utilities	N/A	~800 gallons of manhole accumulation water from steam condensate.
02/14/2005	Steam Condensate	TA-3 MH-1000	02/14/2005	Utilities	N/A	~1,200 gallons of manhole accumulation water from steam condensate.
02/17/2005	Steam Condensate	TA-3 MH-1015	02/17/2005	Utilities	N/A	~1,500 gallons of manhole accumulation water from steam condensate.
02/17/2005	Steam Condensate	TA-3 MH-1013	02/17/2005	Utilities	N/A	~100 gallons of manhole accumulation water from steam condensate.
02/17/2005	Steam Condensate	TA-3 MH-1014	02/17/2005	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
02/17/2005	Steam Condensate	TA-3 MH-1000	02/17/2005	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
02/17/2005	Hydrant Flushing	TA-15-171	02/17/2005	Utilities	N/A	~7,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/17/2005	Hydrant Flushing	TA-15-536	02/17/2005	Utilities	N/A	~4,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/17/2005	Storm Water	TA-15-473 and -474	02/17/2005	DX	N/A	~1000 gallons of storm water was discharged to the environment from a secondary containment unit.
02/18/2005	Storm Water	TA-15-473 and -474	02/18/2005	DX	N/A	~700 gallons of storm water was discharged to the environment from a secondary containment unit.

02/17/2005	Hydrant Flushing	TA-15-932	02/17/2005	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/22/2005	Storm Water	TA-36-141 and -142	02/22/2005	DX	N/A	~150 gallons of storm water was discharged to the environment from a secondary containment unit.
02/23/2005	Hydrant Flushing	TA-46-463	02/23/2005	Utilities	N/A	~5,000 gallons of de-chlorinated potable water from hydrant flushing activities.
02/24/2005	Steam Condensate	TA-3 MH-1000	02/24/2005	Utilities	N/A	~500 gallons of manhole accumulation water from steam condensate.
02/24/2005	Steam Condensate	TA-3 MH-1018	02/24/2005	Utilities	N/A	~200 gallons of manhole accumulation water from steam condensate.
02/24/2005	Steam Condensate	TA-3 MH-1019	02/24/2005	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
02/25/2005	Storm Water	TA-15-473 and -474	02/25/2005	DX	N/A	~300 gallons of storm water was discharged to the environment from a secondary containment unit.
03/01/2005	Steam Condensate	TA-3 MH-1018	03/01/2005	Utilities	N/A	~900 gallons of manhole accumulation water from steam condensate.
03/01/2005	Steam Condensate	TA-3 MH-1000	03/01/2005	Utilities	N/A	~1,000 gallons of manhole accumulation water from steam condensate.
03/01/2005	Storm Water	TA-3-22, MH-1000	03/01/2005	DX	N/A	~200 gallons of storm water was discharged to the environment from a manhole.
03/01/2005	Storm Water	TA-3-22, MH-1018	03/01/2005	DX	N/A	~200 gallons of storm water was discharged to the environment from a manhole.
03/01/2005	Storm Water	TA-15-461 and -462	03/01/2005	DX	N/A	~900 gallons of storm water was discharged to the environment from a secondary containment unit.

03/03/2005	Potable Water	East Jemez Road. Approximately 0.5 miles east of the Los Alamos County Landfill Entrance.	03/03/2005	Utilities	N/A	~10,000 gallons of potable water was release to the environment (LA Canyon) when an 8-inch water-main ruptured.
03/03/2005	Steam Condensate	TA-3 MH-1000	03/03/2005	Utilities	N/A	~250 gallons of manhole accumulation water from steam condensate.
03/16/2005	Steam Condensate	TA-3 MH-1000	03/16/2005	Utilities	N/A	~1000 gallons of manhole accumulation water from steam condensate.
03/16/2005	Steam Condensate	TA-3 MH-1018	03/16/2005	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
03/17/2005	Storm Water	TA-15-435 and -436	03/17/2005	DX	N/A	~600 gallons of storm water was discharged to the environment from a secondary containment unit.
03/18/2005	Storm Water	TA-15-461 and -462	03/18/2005	DX	N/A	~600 gallons of storm water was discharged to the environment from a secondary containment unit.
03/18/2005	Storm Water	TA-15-473 and -474	03/18/2005	DX	N/A	~600 gallons of storm water was discharged to the environment from a secondary containment unit.
03/21/2005	Steam Condensate	TA-3 MH-1000	03/21/2005	Utilities	N/A	~150 gallons of manhole accumulation water from steam condensate.
03/21/2005	Steam Condensate	TA-3 MH-1018	03/21/2005	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
03/22/2005	Steam Condensate	TA-3 MH-1018	03/22/2005	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
03/22/2005	Steam Condensate	TA-3 MH-1000	03/22/2005	Utilities	N/A	~600 gallons of manhole accumulation water from steam condensate.
03/23/2005	Steam Condensate	TA-3 MH-1000	03/23/2005	Utilities	N/A	~300 gallons of manhole accumulation water from steam

						condensate.
03/23/2005	Steam Condensate	TA-3 MH-1018	03/23/2005	Utilities	N/A	~400 gallons of manhole accumulation water from steam condensate.
03/24/2005	Steam Condensate	TA-3 MH-1000	03/24/2005	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.
03/24/2005	Steam Condensate	TA-3 MH-1018	03/24/2005	Utilities	N/A	~300 gallons of manhole accumulation water from steam condensate.

CERTIFICATION

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

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
Kenneth M. Hargis, Acting Division Director, Environmental Stewardship Division	**505-667-2211**
C. Signature Kenneth M. Hargis	D. Date Signed 3/30/05

Appendix 9 Certification of Non-Storm Water Discharges from Sites

NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION			Completed by: Shaw Environmental Title: BMP Installation, Inspection and Maintenance Team Date: 1-Oct-04		
Date of Test or Evaluation	**Outfall Directly Observed During the Test (Location)**	**Method Used to Test or Evaluate Discharge**	**Describe Results from Test for the Presence of Non-Storm Water Discharge**	**Identify Potential Significant Sources**	**Name the Person Who Conducted the Test or Evaluation**
12/8/2004	SWMU 21-011(k)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Heather Voss & Margie Polley
12/8/2004	SWMU 35-016(l)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Heather Voss & Margie Polley
9/10/2001	SWMUs 36-008 and C-36-003	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Randy Johnson
9/12/2001	SWMU 40-006(b)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Randy Johnson
12/8/2004	SWMU 73-002	Visual Observation	Periodic discharge from car washing	Car washing	Heather Voss & Margie Polley
12/9/2004	SWMU 16-026(h2)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Elmer Alcon & Heather Voss
12/9/2004	SWMU 16-029(g)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Elmer Alcon & Heather Voss
12/8/2004	SWMU 01-003(e)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Heather Voss & Margie Polley
12/9/2004	SWMU 11-006(b)	Visual Observation	Periodic discharge from hose bib	Lawn watering	Elmer Alcon & Heather Voss
12/9/2004	SWMU 16-003(f)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Elmer Alcon & Heather Voss
12/9/2004	SWMU 16-004(f)	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Elmer Alcon & Heather Voss
12/9/2004	SWMU 16-019	Visual Observation	Periodic discharge from fire hydrant	Fire hydrant testing	Elmer Alcon & Heather Voss

CERTIFICATION

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

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
Kenneth M. Hargis, Acting Division Director, Environmental Stewardship Division	**505-667-2211**
C. Signature: Kenneth M. Hargis	D. Date Signed: 3/30/05

Appendix 10.
Documentation of Permit Eligibility Related to Endangered Species

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Appendix 10

Documentation of Permit Eligibility Related to Endangered Species

A Biological Evaluation was completed by the Laboratory's Ecology Group (ENV-ECO) in September 2001. The report entitled "The Potential Effects of Operations under the NPDES Storm Water Multi-Sector General Permit for Industrial Activities on Federally-Listed Threatened and Endangered Species and Other Potentially Sensitive Species at Los Alamos National Laboratory" (LA-UR-01-4657) is enclosed in this Appendix.

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Appendix 11.
Documentation of Permit Eligibility Related to Historic Places

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Appendix 11

Documentation of Permit Eligibility Related to Historic Places

A cultural resource review was conducted by the Laboratory's Ecology Group (ENV-ECO) in September 2001. The review complies with Section 106 of the National Historic Preservation Act of 1966 and the associated implementing regulations (36 CFR Part 800). A letter certifying that this review was conducted is included in this appendix.

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ATTACHMENTS

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ATTACHMENT 1

Site-Specific Storm Water Sampling Plan
Monitoring Year 2005

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Attachment 1

Los Alamos National Laboratory Site-Specific Storm Water Sampling Plan
Monitoring Year 2005

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Los Alamos National Laboratory Site-Specific Storm Water Sampling Plan Monitoring Year 2005

1. Introduction

This Sampling Plan addresses storm water runoff monitoring to be conducted during monitoring year 2005 near specific Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) (collectively referred to as Sites). Los Alamos National Laboratory (LANL, the Laboratory) has prepared this Site-Specific Storm Water Sampling Plan pursuant to the requirements of the 2005 Federal Facility Compliance Agreement (FFCA) (CWA-06-2005-1701) entered into between the United States Environmental Protection Agency (EPA) and the United States Department of Energy (DOE) in February 2005 (EPA 2005), pursuant to the Clean Water Act (CWA), 33 U.S.C. Section 1251-1387.

The purpose of this Sampling Plan is also to meet the monitoring and reporting requirements for SWMUs as established in the Multi-Sector General Permit. The discharge of storm water at the Laboratory is regulated by NPDES Storm Water Multi-Sector General Permit Nos. NMR05A734 and NMR05A735 (General Permit; EPA 2000b), which became effective on December 23, 2000 pursuant to 65 FR 64746. During the period that the FFCA is in effect, the Laboratory must continue to c omply with all requirements of the current General Permit unless superceded by the FFCA (e.g., reporting requirements, etc).

The Sites listed in Table 2 of the FFCA that have not attained formal NFA status are subject to monitoring, corrective action, and reporting requirements pursuant to the FFCA. The FFCA requires that monitoring be initiated at each of the medium/high potential Sites over a four-year period starting in 2004. (See Section 3 of the SWMU/SWPPP for the definition of medium/high potential Sites.) The decision criteria defined in the FFCA are applicable, and may result in corrective action to control the migration of pollutants in storm water runoff from a medium/high potential Site.

2. Scope

Site-specific storm water runoff monitoring is conducted for all medium/high potential Sites at Site Monitoring Area (SMA) sampling locations, using either automated samplers or single stage samplers. (See Section 4 of the SWMU/SWPPP for the definition of SMA.) This Site-specific sampling plan provides the detailed sampling and analysis requirements for SMAs that have been retained from 2004 for further monitoring, as well as for the SMAs where monitoring will be initiated in 2005.

3. SMAs Retained from 2004

DOE started monitoring storm water runoff in 2004, although the FFCA was signed until February 2005. During monitoring year 2004, monitoring was initiated at 91 Sites assigned to 41 SMAs, as listed in Table 1. The Sites selected for monitoring in 2004 are generally high potential Sites (erosion matrix score greater than 60), and are located in the northern watersheds: Los Alamos/Pueblo, Sandia, and Mortandad watersheds. The Laboratory collected 263 site-specific storm water runoff samples during summer and fall 2004. Appendix A provides a detailed listing of the Site-specific storm water samples collected for monitoring year 2004, and summarizes the status of sampling at each SMA.

Paragraph 17 of the FFCA (CWA-06-2005-1701) states that after four samples are collected at a station, evaluation of data shall occur and changes proposed in the annual modification of the sampling plan that is submitted on March 31st of each year. Appendix B provides a summary of the evaluation of the sampling data collected in 2004, and the current monitoring status of the SMAs monitored in 2004.

- No flow was observed at 5 of the 41 SMAs.
- Samples were collected at 36 of the 41 SMAs.
- One to three samples were collected at 21 of the 41 SMAs.

- Four complete samples were collected at 16 of the 41 SMAs.
- At 4 of the 16 SMAs where four complete samples were collected, there were no detections of potentially Laboratory-derived pollutants greater than wSAL.

According to the FFCA decision rules presented in Section 3 of this SWMU/SWPPP, the Laboratory will discontinue monitoring at four locations: M-SMA-1, M-SMA-6, M-SMA-8 and CDB-SMA-1. Therefore, Site-specific monitoring will continue in 2005 at 85 sites assigned to 37 SMAs initiated in 2004. The detailed sampling plan for the SMAs retained from 2004 is provided in Appendix C to this Sampling Plan.

4. SMAs Initiated in 2005

Site-specific monitoring will be initiated during the 2005 monitoring year for 95 Sites that have been assigned to 52 SMAs, as listed in Table 2. The Sites selected for monitoring 2005 are located in the Los Alamos/Pueblo, Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds. The detailed sampling plan for the 2005 SMAs is provided in Appendix C to this Sampling Plan. The analytical suite assignments for each SMA are based on the COPC identification process discussed in the SWMU/SWPPP. Appendix C also provides the results of the COPC identification process for the 99 Sites.

5. Sample Collection and Analysis

The SMA monitoring stations include single stage (SS) samplers, ISCO automated samplers, and existing automated gage stations that are also used for watershed-scale monitoring. Storm water runoff samples will be collected at each station four times per year when precipitation produces runoff in volumes large enough to allow for sample collection.

The sample collection requirements for the ISCO automated samplers are summarized in Table 3. The SS sampler requirements are summarized in Table 4, and the automated gage station requirements are summarized in Table 5. The analyte lists, analytical methods, detection limits, and required volumes, containers and preservatives for the inorganic, organic, and radionuclide suites are provided in Tables 6 through 9.

Table 1. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
B-SMA-1	SS067	SS	00-011(d)	73.8	LA/Pueblo	Bayo	2004
ACID-SMA-2	E055.5, E056	Gage	01-002(b)-00	71.5	LA/Pueblo	Pueblo	2004
ACID-SMA-2	E055.5, E056	Gage	45-001	50.3	LA/Pueblo	Pueblo	2004
ACID-SMA-2	E055.5, E056	Gage	45-004	50.2	LA/Pueblo	Pueblo	2004
P-SMA-1	SS058	SS	73-001(a)	85.5	LA/Pueblo	Pueblo	2004
P-SMA-1	SS058	SS	73-004(d)	46.7	LA/Pueblo	Pueblo	2004
DP-SMA-1	SS0385	SS	21-011(k)	72.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-1	SS0263	SS	00-017	67.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-1	SS0264	ISCO	00-017	67.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-2	SS0265	ISCO	01-001(f)	56.7	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-2	SS0265	ISCO	01-006(b)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-3	SS0266	ISCO	01-003(a)	79.0	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(n)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(d)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-001(c)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(b)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(c)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-5	SS0268	ISCO	01-001(d)	74.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-5	SS0268	ISCO	01-003(e)	83.0	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-6	SS0269	SS	21-013(b)	67.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-6	SS0269	SS	21-013(g)	67.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-6	SS0269	SS	21-027(d)	45.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-9	SS0304	SS	26-001	65.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-10	SS037	SS	53-002(a)	47.8	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-10	SS037	SS	53-008	61.8	LA/Pueblo	Middle Los Alamos/DP	2004
S-SMA-1	E122.2	Gage	03-003(m)	46.3	Sandia	Upper Sandia	2004
S-SMA-1	E122.2	Gage	03-009(a)	61.3	Sandia	Upper Sandia	2004
S-SMA-1	E122.2	Gage	03-029	44.3	Sandia	Upper Sandia	2004
S-SMA-1	E122.2	Gage	03-056(c)	45.0	Sandia	Upper Sandia	2004
S-SMA-2	E121	Gage	03-012(b)	65.0	Sandia	Upper Sandia	2004
S-SMA-2	E121	Gage	03-045(b)	65.0	Sandia	Upper Sandia	2004
S-SMA-2	E121	Gage	03-045(c)	57.7	Sandia	Upper Sandia	2004
S-SMA-3	SS12292	ISCO	03-014(c2)	72.0	Sandia	Upper Sandia	2004

Table 1. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
S-SMA-4	SS1238	ISCO	53-014	80.5	Sandia	Lower Sandia	2004
S-SMA-5	SS1245	SS	20-002(c)	73.8	Sandia	Lower Sandia	2004
S-SMA-6	SS1248	ISCO	72-001	84.3	Sandia	Lower Sandia	2004
M-SMA-1	SS198	ISCO	03-054(e)	89.0	Mortandad	Upper Mortandad	2004
M-SMA-2	SS1984	SS	48-007(f)	76.5	Mortandad	Upper Mortandad	2004
M-SMA-3	SS1985	SS	48-007(c)	69.5	Mortandad	Upper Mortandad	2004
M-SMA-4	SS1987	SS	48-007(a)	55.8	Mortandad	Upper Mortandad	2004
M-SMA-4	SS1987	SS	48-007(d)	55.8	Mortandad	Upper Mortandad	2004
M-SMA-4	SS1987	SS	48-010	80.3	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	55-011(c)	50.3	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-001(a)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-001(b)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-001(c)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-002(a)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-002(b)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-6	SS1991	ISCO	35-016(h)	76.5	Mortandad	Upper Mortandad	2004
M-SMA-7	SS1992	ISCO	35-016(g)	68.3	Mortandad	Upper Mortandad	2004
M-SMA-7	SS1992	ISCO	35-016(h)	76.5	Mortandad	Upper Mortandad	2004
M-SMA-8	E200	Gage	50-006(d)	89.0	Mortandad	Upper Mortandad	2004
M-SMA-9	SS2001	SS	35-016(f)	76.5	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-10	SS2002	ISCO	35-008	61.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-10	SS2002	ISCO	35-014(e)	61.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-10	SS2002	ISCO	35-016(e)	72.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-11	SS2003	SS	35-016(o)	60.3	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-12	SS2004	SS	35-016(p)	60.3	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(d)	59.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(h)	44.2	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(l)	59.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(p)	50.8	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(q)	59.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(r)	87.0	Mortandad	Middle Mortandad/Ten Site	2004

Table 1. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
Pratt-SMA-1	SS20142	SS	35-004(h)	50.8	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-016(k)	53.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-016(l)	64.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-016(m)	72.0	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-1	E201.3	Gage	50-006(a)	77.8	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-1	E201.3	Gage	50-009	54.8	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-3	SS20134	SS	35-016(b)	96.0	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-4	SS20136	SS	35-016(c)	47.2	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-4	SS20136	SS	35-016(d)	76.5	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-5	SS20138	SS	35-016(a)	92.0	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-6	SS20140	SS	35-016(q)	92.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-13	SS205	SS	05-001(c)	73.5	Mortandad	Lower Mortandad/Cedro	2004
CDB-SMA-1	SS2185	SS	C-46-001	68.3	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-004(t)	68.3	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-008(g)	68.3	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-003(a)	44.7	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-004(d2)	56.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-004(s)	49.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-009(a)	57.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-2	SS2188	SS	46-002	52.8	Mortandad	Upper Canada del Buey	2004
CDB-SMA-2	SS2188	SS	46-009(b)	70.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-4	E227	Gage	54-017	62.0	Pajarito	Lower Pajarito	2004
CDB-SMA-4	E227	Gage	54-018	52.6	Pajarito	Lower Pajarito	2004
CDB-SMA-4	E227	Gage	54-020	53.7	Pajarito	Lower Pajarito	2004
PJ-SMA-15	E248, E248.5, E249, E249.5	Gage	54-014(d)	52.6	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-017	53.7	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-018	52.6	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-020	53.7	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-018	52.6	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-020	53.7	Pajarito	Lower Pajarito	2004

LA = Los Alamos [Canyon] SS = single stage [sampler]

Table 2. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
2M-SMA-1	SS2432	TBD	03-010(a)	69	Pajarito	Twomile	2005
2M-SMA-2	SS2434	TBD	03-054(b)	65.8	Pajarito	Twomile	2005
2M-SMA-3	SS2439	TBD	07-001(b)	55.5	Pajarito	Twomile	2005
2M-SMA-3	SS2439	TBD	07-001(c)	46.7	Pajarito	Twomile	2005
2M-SMA-3	SS2439	TBD	07-001(d)	55.5	Pajarito	Twomile	2005
3M-SMA-0.5	SS2459	ISCO	15-006(c)	64.5	Pajarito	Threemile	2005
3M-SMA-0.6	SS2457	SS	15-008(b)	67.2	Pajarito	Threemile	2005
ACID-SMA-1	SS0553	SS	00-030(g)	47.2	LA/Pueblo	Pueblo	2005
A-SMA-1	E273.7	Gage	39-004(a)	74	Ancho	North Ancho	2005
A-SMA-1	E273.7	Gage	39-004(d)	74	Ancho	North Ancho	2005
A-SMA-2	E273.8	Gage	39-004(b)	74.5	Ancho	North Ancho	2005
A-SMA-3	E273.9	Gage	39-004(c)	74.5	Ancho	North Ancho	2005
CDV-SMA-1	SS254	SS	16-001(a)	67	Water/Valle	Canon de Valle	2005
CDV-SMA-1	SS254	SS	16-001(b)	45	Water/Valle	Canon de Valle	2005
CDV-SMA-1	SS254	SS	16-001(c)	45	Water/Valle	Canon de Valle	2005
CDV-SMA-1.4	SS2542	SS	16-016(d)	44.5	Water/Valle	Canon de Valle	2005
CDV-SMA-1.5	SS2545	TBD	16-026(j)	40.2	Water/Valle	Canon de Valle	2005
CDV-SMA-1.7	SS2547	TBD	16-019	82.5	Water/Valle	Canon de Valle	2005
CDV-SMA-2	SS255	TBD	16-021(c)	73.3	Water/Valle	Canon de Valle	2005
CDV-SMA-2.4	SS2557	ISCO	16-010(b)	55.5	Water/Valle	Canon de Valle	2005
CDV-SMA-2.4	SS2557	ISCO	16-018	69.3	Water/Valle	Canon de Valle	2005
CDV-SMA-6	SS25620	TBD	14-001(g)	53.3	Water/Valle	Canon de Valle	2005
CDV-SMA-6	SS25620	TBD	14-002(d)	40.8	Water/Valle	Canon de Valle	2005
CDV-SMA-6	SS25620	TBD	14-002(e)	47.8	Water/Valle	Canon de Valle	2005
CDV-SMA-6	SS25620	TBD	14-006	47.1	Water/Valle	Canon de Valle	2005
DP-SMA-0.3	SS037	TBD	21-029	56.6	Los Alamos	Middle Los Alamos/DP	2005
DP-SMA-0.9	SS0388	SS	21-011(c)	54	Los Alamos	Middle Los Alamos/DP	2005
DP-SMA-0.9	SS0388	SS	21-016(a)	54	Los Alamos	Middle Los Alamos/DP	2005
DP-SMA-0.9	SS0388	SS	21-016(b)	54	Los Alamos	Middle Los Alamos/DP	2005
DP-SMA-0.9	SS0388	SS	21-016(c)	54	Los Alamos	Middle Los Alamos/DP	2005
DP-SMA-2	SS0387	SS	21-024(h)	54	Los Alamos	Middle Los Alamos/DP	2005
F-SMA-1	SS2659	SS	36-004(b)	57.3	Water/Valle	Potrillo/Fence	2005
F-SMA-2	SS26757	ISCO	36-004(c)	68.3	Water/Valle	Potrillo/Fence	2005
F-SMA-2	SS26757	ISCO	36-005	45.4	Water/Valle	Potrillo/Fence	2005
LA-SMA-1.2	SS0265	SS	C-43-001	45.4	Los Alamos	Upper Los Alamos	2005
LA-SMA-1.5	SS02653	TBD	00-030(i)	54.5	LA/Pueblo	Upper Los Alamos	2005

Table 2. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
LA-SMA-5.2	SS0268	SS	01-003(d)	49.5	LA/Pueblo	Upper Los Alamos	2005
LA-SMA-5.3	SS02681	ISCO	C-41-004	52.8	LA/Pueblo	Upper Los Alamos	2005
LA-SMA-5.4	SS02683	SS	32-004	42	LA/Pueblo	Upper Los Alamos	2005
LA-SMA-5.5	SS2685	ISCO	02-003(a)	57.6	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-003(e)	40.5	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-006(b)	51.8	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-007	44.8	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-008(a)	55.8	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-009(a)	57	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-009(b)	44.8	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-009(c)	51.3	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-5.5	SS2685	ISCO	02-011(a)	57	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-6.2	SS027	SS	21-024(e)	56	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-6.3	SS028	SS	21-027(a)	52	LA/Pueblo	Middle Los Alamos/DP	2005
LA-SMA-6.5	SS0287	TBD	21-024(i)	53.7	LA/Pueblo	Middle Los Alamos/DP	2005
PJ-SMA-1	SS2405	TBD	09-004(g)	61.8	Pajarito	Upper Pajarito	2005
PJ-SMA-4	SS24253	SS	09-004(g)	61.8	Pajarito	Upper Pajarito	2005
PJ-SMA-4	SS24253	SS	09-005(g)	51	Pajarito	Upper Pajarito	2005
PJ-SMA-7	SS24210	SS	40-006(c)	62	Pajarito	Upper Pajarito	2005
PJ-SMA-8	SS2426	SS	40-006(b)	62	Pajarito	Upper Pajarito	2005
P-SMA-2	SS057	TBD	73-002	56	LA/Pueblo	Pueblo	2005
P-SMA-2	SS057	TBD	73-006	56	LA/Pueblo	Pueblo	2005
P-SMA-2.2	SS0575	TBD	00-019	51.5	LA/Pueblo	Pueblo	2005
P-SMA-3	SS054	ISCO	00-018(a)	42.8	LA/Pueblo	Pueblo	2005
PT-SMA-3	SS2659	TBD	36-004(a)	48.5	Water/Valle	Potrillo/Fence	2005
PT-SMA-3	SS2659	TBD	36-006	78	Water/Valle	Potrillo/Fence	2005
R-SMA-1	SS00	SS	C-00-041	42.8	LA/Pueblo	Rendija/Barrancas/Guaje	2005
S-SMA-3.5	SS12293	TBD	20-003(c)	57.4	Sandia	Sandia	2005
S-SMA-3.9	SS1235	TBD	20-002(a)	48.6	Sandia	Sandia	2005
TBD	E250	TBD	18-003(c)	62.3	Pajarito	Lower Pajarito	2005
TBD	E250	TBD	18-010(d)	46.2	Pajarito	Lower Pajarito	2005
TBD	E250	TBD	18-010(d)	46.2	Pajarito	Lower Pajarito	2005
TBD	E250	TBD	18-010(f)	62.3	Pajarito	Lower Pajarito	2005
TBD	E250	TBD	18-012(a)	59.2	Pajarito	Lower Pajarito	2005
TBD	E250	TBD	18-012(b)	46.6	Pajarito	Lower Pajarito	2005
W-SMA-1	SS25203	SS	16-026(c2)	61.8	Water/Valle	Upper Water	2005
W-SMA-1	SS25203	SS	16-026(v)	65.8	Water/Valle	Upper Water	2005

Table 2. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
W-SMA-2	SS25205	SS	16-028(e)	47.2	Water/Valle	Upper Water	2005
W-SMA-4	SS2521	TBD	16-003(a)	55.5	Water/Valle	Upper Water	2005
W-SMA-5	SS2528	TBD	16-003(f)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-5	SS2528	TBD	16-026(z)	49.6	Water/Valle	S-Site (Martin)	2005
W-SMA-7	SS25243	SS	16-026(h2)	61	Water/Valle	Upper Water	2005
W-SMA-8	SS2523	TBD	16-006(c)	49.5	Water/Valle	Upper Water	2005
W-SMA-8	SS2523	TBD	16-016(g)	46.1	Water/Valle	Upper Water	2005
W-SMA-8	SS2523	TBD	16-026(a)	73.5	Water/Valle	Upper Water	2005
W-SMA-8	SS2523	TBD	16-028(b)	83	Water/Valle	Upper Water	2005
W-SMA-9	SS2524	ISCO	16-030(g)	71	Water/Valle	Upper Water	2005
W-SMA-10	SS25245	TBD	11-003(b)	55.5	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-004(a)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-004(b)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-004(c)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-004(d)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-004(e)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-004(f)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-005(c)	59	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-006(b)	52	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-006(c)	68.8	Water/Valle	S-Site (Martin)	2005
W-SMA-10	SS25245	TBD	11-006(d)	74	Water/Valle	S-Site (Martin)	2005
W-SMA-11	SS2529	SS	11-004(a)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-11	SS2529	SS	11-004(b)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-11	SS2529	SS	11-004(c)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-11	SS2529	SS	11-004(d)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-11	SS2529	SS	11-004(e)	56	Water/Valle	S-Site (Martin)	2005
W-SMA-11	SS2529	SS	11-004(f)	56	Water/Valle	S-Site (Martin)	2005

LA = Los Alamos [Canyon] SS = single stage [sampler] TBD = to be determined

Table 3. Storm Water Analytical Suites and Required Volumes for SMAs with ISCO Samplers

Analytical Suite (1)	Sampler/Shipping Container(s) (2)		Volume Required for Analysis (ml) (3)		Filtered Aliquot (4)	Preservative
	Minimum Number (without QC)	Maximum Number (with QC)	Without QC	With QC		
VOAs	1 x 40 mL G (amber)	2 x 40 mL G (amber)	40	80		HCl to pH<2 Cool to 4 °C
TPH	1 x 40 mL G (amber)	1 x 40 mL G (amber)	40	40		Cool to 4 °C
Hg – total (5)	1 x 350 ml G (amber)	1 x 350 ml G (amber)	100	150		HNO_3 to pH < 2
NH_3-N* & COD* (5, 6)	1 x 1-L PE	1 x 1-L PE	200	300		H_2S0_4 to pH<2 Cool to 4 °C
CN (Total)* (5)	1 x 1-L PE	1 x 1-L PE	100	150		NaOH to pH> 12 Cool to 4 °C
SSC (7)	1 x 1-L PE	1 x 1-L PE	300	300		Cool to 4 °C
TAL Metals* – total recoverable	1 x 1-L PE	1 x 1-L PE	200	300		HNO_3 to pH < 2
TAL Metals – dissolved	1 x 1-L PE	1 x 1-L PE	200	300	**X**	HNO_3 to pH < 2
Hardness (as mg $CaCO_3$/L) (8)	--	--	--	--		--
Alkalinity (9)	1 x 1-L PE	1 x 1-L PE	50	150		Cool to 4 °C
ClO_4 (9)	1 x 1-L PE	1 x 1-L PE	100	150		Cool to 4 °C
DOC	1 x 350 mL G (amber)	1 x 350 mL G (amber)	50	150	**X**	H_2S0_4 to pH<2 Cool to 4 °C
Dioxins/Furans, PCBs, Pesticides, SVOAs (10)	3 x 350 ml G (amber)	9 x 350 ml G (amber)	1,000	3,000		Cool to 4 °C

Analytical Suite (1)	Sampler/Shipping Container(s) (2)		Volume Required for Analysis (ml) (3)		Filtered Aliquot (4)	Preservative
	Minimum Number (without QC)	Maximum Number (with QC)	Without QC	With QC		
HE (10)	3 x 350 ml G (amber)	7 x 350 ml G (amber)	770	2,240		Cool to 4 °C
H-3	1 x 350 ml G (amber)	2 x 350 ml G (amber)	250	500		None
Rad suites (11)	4 x 1-L PE	8 x 1-L PE	4,000	8,000		HNO_3 to pH < 2

ClO_4 = perchlorate [anion]
CN = cyanide
COD = chemical oxygen demand
DOC = dissolved organic carbon
G = glass
gal = gallon
H-3 = tritium
HE = high explosives
Hg = mercury
L = Liter
ml = milliliter
NH_3-N = ammonia [reported as nitrogen]
PCBs = polychlorinated biphenyl [compounds]
PE = polyethylene
rad = radionuclide [suites]
SSC = suspended sediment concentration
SVOAs = semivolatile organic analytes
TPH = total petroleum hydrocarbons
TAL = target analyte list
VOAs = volatile organic analytes

Table 3 Notes:

1. Analytical suites are listed in prioritization order if insufficient storm water volume is collected for glass and PE bottles, respectively. Containers required for analysis without laboratory QC samples are filled first; then the additional containers for laboratory QC samples are filled if there is sufficient volume.

2. Storm water samples will be shipped in the sampler container with the exception of dissolved TAL metals, which will be filtered into a new 1-L PE bottle.

3. Total required volume for analysis, either *not* including volume required for laboratory QC samples ("without QC"), or including volume required for laboratory QC samples ("with QC").

4. Sample aliquot will be filtered through a 0.45-micron filter into a new container and acid preserved prior to shipment to the laboratory.

5. Sector K benchmark analytes are analyzed for only during MSGP monitoring years (2002 and 2004 for the current General Permit).

6. NH_3-N (ammonia reported as nitrogen) and COD (chemical oxygen demand) may be shipped in the same container.

7. SSC is determined by filtration of the entire sample - with no subsampling - through a 45-micron filter, and subsequently determining the weight of retained sediment.

8. Hardness is calculated from the concentrations of Ca and Mg measured by ICPES. Additional sample volume is not required if TAL metals is being submitted.

9. Alkalinity and ClO_4 may be shipped in the same container.

10. Collected as required by the Site-specific sampling plan (see Appendix 1).

11. Radionuclide suites are: Am-241, gamma spectroscopy, gross alpha, gross beta, iso-Pu (Pu-238, Pu-239,240), Iso-U (U-234, U-235, U-238), and Sr-90.

Table 4. Storm Water Analytical Suites and Required Volumes for SMAs with Single Stage Samplers

Analytical Suite (1)	Sampler Bottle(s)		Volume Required for Analysis (ml) (2)		Filtered Aliquot (3)	Shipping Container(s) (4)		Preservative
	Minimum Number (without QC)	Maximum Number (with QC)	Without QC	With QC		Minimum Number (without QC)	Maximum Number (with QC)	
H-3	1 x 1-gal G	1 x 1-gal G	250	500		1 x 500 ml G (amber)	1 x 500 ml G (amber)	None
NH_3-N* & COD (5, 6)			200	300		1 x 250 ml PE	2 x 250 ml PE	H_2S0_4 to pH<2 Cool to 4 °C
CN (Total) (5)			100	150		1 x 250 ml PE	1 x 250 ml PE	NaOH to pH> 12 Cool to 4 °C
Alkalinity (7)			50	150		1 x 250 ml PE	1 x 250 ml PE	H_2S0_4 to pH<2 Cool to 4 °C
ClO_4 (7)			100	150		1 x 250 ml PE	1 x 250 ml PE	Cool to 4 °C
DOC			50	150	**X**	1 x 250 ml G (amber)	1 x 250 ml G (amber)	Cool to 4 °C
TAL Metals* – total recoverable (5)	1 x 1-gal G	1 x 1-gal G	200	300		1 x 250 ml PE	2 x 250 ml PE	HNO_3 to pH < 2
Hardness (as mg $CaCO_3$/L) (8)			--	--		--	--	--
Hg - total			100	150		1 x 250 ml G (amber)	1 x 250 ml G (amber)	HNO_3 to pH < 2
TAL Metals – dissolved			200	300	**X**	1 x 250 ml PE	2 x 250 ml PE	HNO_3 to pH < 2
Dioxins/Furans, HE, PCBs, Pesticides, SVOAs, or TPH (9)	1 x 1-gal G	1 x 1-gal G	1,000	3,000		1 x 1-L G (amber)	3 x 1-L G (amber)	Cool to 4 °C

Analytical Suite (1)	Sampler Bottle(s)		Volume Required for Analysis (ml) (2)		Filtered Aliquot (3)	Shipping Container(s) (4)		Preservative
	Minimum Number (without QC)	Maximum Number (with QC)	Without QC	With QC		Minimum Number (without QC)	Maximum Number (with QC)	
SSC (10)	1 x 1-gal PE	1 x 1-gal PE	300	300		1 x 1-gal PE	1 x 1-gal PE	Cool to 4 °C
Rad suites (11)	1 x 1-gal PE	2 x 1-gal PE	4,000	8,000		1 x 1-gal PE	2 x 1-gal PE	HNO_3 to pH < 2

ClO_4 = perchlorate [anion]
CN = cyanide
COD = chemical oxygen demand
DOC = dissolved organic carbon
G = glass
gal = gallon
H-3 = tritium
HE = high explosives
Hg = mercury
L = Liter
ml = milliliter
NH_3-N = ammonia [reported as nitrogen]
PAHs = polynuclear aromatic hydrocarbons
PCBs = polychlorinated biphenyl [compounds]
PE = polyethylene
rad = radionuclide [suites]
SSC = suspended sediment concentration
SVOAs = semivolatile organic analytes
TAL = target analyte list
TPH = total petroleum hydrocarbons

Table 4 Notes:

1. Analytical suites are listed in prioritization order if insufficient storm water volume is collected for 1-gallon glass and PE bottles, respectively. Containers required for analysis without laboratory QC samples are filled first; then the additional containers for laboratory QC samples are filled if there is sufficient volume.

2. Total required volume for analysis, either *not* including volume required for laboratory QC samples ("without QC"), or including volume required for laboratory QC samples ("with QC"). Storm water collected in 1-gallon bottles will be transferred to appropriate shipping containers (with the exception of SSC and rad suites) and preserved as indicated for shipment to laboratory.

3. Sample aliquot will be filtered through a 0.45-micron filter and acid preserved prior to shipment to the laboratory.

4. Shipping containers required for analysis *without* laboratory QC samples are filled first; then additional containers for analysis with laboratory QC samples are filled (as necessary) if there is sufficient volume.

5. Sector K benchmark analytes are analyzed for only during MSGP monitoring years (2002 and 2004 for the current General Permit).

6. NH_3-N (ammonia reported as nitrogen) and COD (chemical oxygen demand) may be shipped in the same container.

7. Alkalinity and ClO_4 may be shipped in the same container.

8. Hardness is calculated from the concentrations of Ca and Mg measured by ICPES. Additional sample volume is not required if TAL metals is being submitted.

9. Collected only if required by the Site-specific sampling plan (see Appendix 1). One (without QC) or two (with QC) 1-gallon glass bottles are required to collect organic suites at each site. Storm water runoff collected in the 1-gallon bottle will be transferred to appropriate number of 1-L containers - depending on combination of organic suites required - for shipment to laboratory.

10. SSC is determined by filtration of the entire sample - with no subsampling - through a 45-micron filter, and subsequently determining the weight of retained sediment.

11. Radionuclide suites collected, preserved, and shipped in 1-gallon PE bottles are: Am-241, gamma spectroscopy, gross alpha, gross beta, iso-Pu (Pu-238, Pu-239,240), Iso-U (U-234, U-235, U-238), and Sr-90.

Table 5. Storm Water Analytical Suites and Required Volumes for SMAs Monitored at Gage Stations

Priority for Analysis (1)		Analytical Suite	Required Volume (ml) (2)		Container(s) (3)		Preservative
Glass	PE		Without QC	With QC	Without QC	With QC	
1		VOAs	40	80	1 x 40 mL G (amber)	2 x 40-mL G (amber)	HCl to pH < 2 Cool to 4 ºC
2		HE	1,540	2,240	1 x 1-L G (amber)	3 x 1-L G (amber)	Cool to 4 ºC
3		PCBs, Pesticides	1,000	3,000	1 x 1-L G (amber)	3 x 1-L G (amber)	Cool to 4 ºC
4		Dioxins/Furans	1,000	2,000	1 x 1-L G (amber)	2 x 1-L G (amber)	Cool to 4 ºC
5		SVOAs	1,000	3,000	1 x 1-L G (amber)	3 x 1-L G (amber)	Cool to 4 ºC
6		TPH	40	40	1 x 40 mL G (amber)	1 x 40 mL G (amber)	Cool to 4 ºC
	1	ClO_4	100	150	1 x 1-L PE	1 x 1-L PE	None
	2	SSC (4)	300	300	1 x 1-L PE	1 x 1-L PE	Cool to 4 ºC
	3	TAL Metals - TR	200	300	1 x 1-L PE	1 x 1-L PE	HNO_3 to pH < 2
	4	TAL Metals – Dissolved	200	300	1 x 1-L PE	1 x 1-L PE	HNO_3 to pH < 2
7		Hg	100	150	1 x 1-L G (amber)	1 x 1-L G (amber)	HNO_3 to pH < 2
	5	CN	100	150	1 x 1-L PE	1 x 1-L PE	NaOH to pH > 12 Cool to 4 ºC
	6	COD; NH_3-N; NO_2 + NO_3-N (5)	100	150	1 x 1-L PE	1 x 1-L PE	H_2SO_4 to pH < 2 Cool to 4 ºC
	7	Alkalinity (6)	50	150	1 x 1-L PE	1 x 1-L PE	Cool to 4 ºC
	8	DOC	50	150	1 x 1-L G (amber)	1 x 1-L G (amber)	H_2SO_4 to pH < 2 Cool to 4 ºC
	9	Radionuclides (7)	4,000	8,000	4 x 1-L PE	8 x 1-L PE	HNO_3 to pH < 2
8		Tritium	250	500	1 x 1-L G (amber)	1 x 1-L G (amber)	None

ClO_4 =perchlorate anion
CN =cyanide
COD =chemical oxygen demand
DOC = dissolved organic carbon
HE = high explosives
L = Liter
ml = milliliter
NH_3-N = ammonia [reported as nitrogen
NO_2 + NO_3-N = nitrite plus nitrate [reported as nitrogen]
PCBs = polychlorinated biphenyl [compounds]
QC = quality control
SSC = suspended sediment concentration
SVOAs = semivolatile organic analytes
TAL = target analyte list
TPH = total petroleum hydrocarbons
TR = total recoverable
TSS = total suspended solids

Table 5 Notes:

1. When insufficient sample volume is collected to satisfy all the analytical requirements at a monitoring station, sample containers are submitted for analysis in the order indicated for the glass or polyethylene bottles that have been filled.

2. Total required volume for analysis, either not including volume required for laboratory QC samples ("without QC"), or including volume required for laboratory QC samples ("with QC").

3. Containers required for analysis without laboratory QC samples are identified first; then additional containers for analysis with laboratory QC samples are identified, as necessary, if there is sufficient sample volume.

4. SSC is determined by filtration of the entire sample - with no subsampling - through a 45-micron filter, and subsequently determining the weight of retained sediment.

5. COD, NH_3-N, and NO_2 + NO_3-N may be co-containerized.

6. Alkalinity and ClO_4 may be shipped in the same container.

7. Radionuclide suites are: Am-241, gamma spectroscopy, gross alpha, gross beta, iso-Pu (Pu-238, Pu-239,240), Iso-U (U-234, U-235, U-238), and Sr-90.

Table 6. Analyte List, Analytical Methods and Procedures, and Method Detection Limits for Inorganic Suites

Analyte	Analytical Method	Analytical Procedure (1)	MDL (µg/L)	MQL (µg/L) (2)	Volume Required for Analysis (ml) (3)		Shipping Container (4)	Preservative	Holding Time
					Without QC	With QC			
TAL Metals (5)									
Ag*	ICPMS	EPA 200.8	1	2	200 (each for filtered and unfiltered)	300 (each for filtered and unfiltered)	1-L PE	HNO_3 to pH < 2	180 days
Cd*			1	1					
Ni			5	5					
Pb*			2	5					
Sb			1	60					
Se*			3	5					
Tl			1	10					
Al*	ICPES	EPA 200.7	50	100					
As*			1	10					
Ba			20	100					
Be			5	5					
Ca			10	--					
Co			5	50					
Cr			5	10					
Cu			5	10					
Fe*			50	--					
K			--	--					
Mg*			30	--					
Mn			10	--					
Mo			10	--					
Na			29	--					
V			5	50					
Zn			20	20					

Table 6. Analyte List, Analytical Methods and Procedures, and Method Detection Limits for Inorganic Suites

Analyte	Analytical Method	Analytical Procedure (1)	MDL (µg/L)	MQL (µg/L) (2)	Volume Required for Analysis (ml) (3)		Shipping Container (4)	Preservative	Holding Time
					Without QC	With QC			
Hg*	CVAA	EPA 245.1	0.2	0.2	100	150	1 L Amber Glass	HNO_3 to pH < 2	28 days
General Inorganics									
ClO_4 (6)	IC	EPA: 314.0	4	--	100	150	1-L PE	None	28 days
	LC/TS-MS	SW-846 8321 (modified)	1	--					
Alkalinity	Titrimetric	EPA:310.1	0.725 mg/L	1 mg/L	50	150	1-L PE	Cool to 4 °C	14 days
DOC	Combustion or Oxidation	EPA:415.1	0.025 mg/L	0.2 mg/L	50	150	250-mL G (amber)	H_2S0_4 to pH<2 Cool to 4 °C	28 days
Hardness (as mg $CaCO_3$/L)	Calculation (8)	SM 18th Ed. 2340 B	10 mg/L	--	--	--	--	--	--
CN (total)*	Colorimetry	EPA:335.3	20	20	100	150	1-L PE	NaOH to pH> 12 Cool to 4 °C	14 days
COD*	Colorimetry	EPA: 410.4	5,000	--	100	150	1-L PE	H_2S0_4 to pH<2 Cool to 4 °C	28 days
NH_3-N*	Colorimetry	EPA:350.1	100	--	100	150			
SSC (7)	Gravimetric	EPA 160.2 (modified)	3,000	--	300	300	1-L PE	Cool to 4 °C	7 days

Table 6 Notes:

ClO_4	= perchlorate anion	MDL	= method detection limit
CN	= cyanide	µg/l	= microgram per liter
COD	= chemical oxygen demand	ml	= milliliter
CVAA	= cold vapor atomic absorption [spectrometry]	MQL	= minimum quantification level
EPA	= Environmental Protection Agency	NH3-N	= ammonia [reported as nitrogen]
IC	= ion chromatography	NO2 + NO3 - N	= nitrite plus nitrate [reported as nitrogen]
ICPES	= inductively coupled plasma - emission spectrometry	PE	= polyethylene
ICPMS	= inductively coupled plasma - mass spectrometry	QC	= quality control
L	= Liter	SSC	= suspended sediment concentration
LC	= Liquid chromatography	TAL	= target analyte list
		TS-MS	= thermospray mass spectrometry
		TSS	= total suspended solids

1. *Methods for the Determination of Metals in Environmental Samples, Supplement I,* EPA-600/R-94-111, May 1994; *Methods for the Determination of Inorganic Substances in Environmental Samples*, EPA-600/R-93-100, August 1993; *Methods for Chemical Analysis of Water and Wastes*, EPA-600-4-79-020, March 1983; *Test Methods for Evaluating Solid Wastes -Physical/Chemical Methods, Third Edition,* EPA SW-846, Method 8321, Revision 1 (December 1996); *Perchlorate in Drinking Water using Ion Chromatography*, EPA-815/R-00-014. (November 1999)
2. Minimum quantification levels are taken from NPDES Permit No. NM0028355.
3. Total required volume for analysis, either not including volume required for laboratory QC samples (“without QC”), or including volume required for laboratory QC samples (“with QC”).
4. Containers required for analysis without laboratory QC samples are identified first; then additional containers for analysis with laboratory QC samples are identified, as necessary, if there is sufficient volume.
5. TAL metals – with the exception of mercury – are analyzed for both dissolved (filtered) and total recoverable (unfiltered) concentrations. Mercury is analyzed for only the total (unfiltered) concentration. Samples undergoing analysis for dissolved concentrations will be filtered through a 0.45 micron filter and acid preserved prior to shipment to the laboratory. Samples undergoing analysis for total recoverable concentrations are unfiltered and are acid preserved prior to shipment to the laboratory.
6. Perchlorate anion (ClO_4) is analyzed by two methods: ion chromatography (EPA 314:0); and liquid chromatography thermospray mass spectrometry (SW-846 8321). The LC/TS-MS method has not been approved by the EPA for perchlorate analysis; however, the method provides a lower detection limit than the EPA-approved ion chromatography method.
7. SSC is determined by filtration of the entire sample - with no subsampling - through a 45-micron filter, and subsequently determining the weight of retained sediment.
8. Hardness is calculated from the concentrations of Ca and Mg measured by ICPES. Additional sample volume is not required if TAL metals is being submitted

Table 7. Sample Requirements for Organic Suites

Suite (1)	Procedure(2)	Volume Required for Analysis (ml) (3)		Shipping Container (4)	Preservative	Holding Time	
		Without QC	With QC			Extract	Analyze
Dioxins/Furans	EPA: 1613 B	1,000	2,000	1-L G (amber)	Cool to 4 °C	30 days	45 days
High Explosives	SW-846:8330	1,540	2,240	1-L G (amber)	Cool to 4 °C	7 days	40 days
PCBs, Pesticides	EPA:608	1,000	3,000	1-L G (amber)	Cool to 4 °C	7 days	40 days
SVOA, PAHs	EPA:625	1,000	3,000	1-L G (amber)	Cool to 4 °C	7 days	40 days
TPH	SW-846:8015M	40	40	40 mL G (amber)	Cool to 4 °C	--	7 days
VOA	EPA:624	40	40	40 mL G (amber)	HCl to pH < 2 Cool to 4 °C	--	7 days

EPA = Environmental Protection Agency
G = glass
GC/MS = gas chromatography/mass spectrometry
HPLC = high performance liquid chromatography
HRGC = high resolution gas chromatography
HRMS = high resolution mass spectrometry
ISCO = ISCO automated sampler
L = Liter
na = not applicable
µg/l = microgram per liter
ml = milliliter
PAH = polynuclear aromatic hydrocarbon
PCB = polychlorinated biphenyl [compound]
pg/L = picogram/liter
QC = quality control
SS = single stage sampler
SVOA = semivolatile organic analytes
TPH = total petroleum hydrocarbons
VOA = volatile organic analytes

1. Water samples are submitted *unfiltered* for all organic analytical suites.

2. Method 1613: Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS, Revision B, EPA-821/B-94-005. (October 1994); *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, Third Edition, EPA-SW-846, Draft Update IVA (May 1998); 40 CFR Part 136, *Appendix A to Part 136 – Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*

3. Total required volume for analysis, either not including volume required for laboratory QC samples (“without QC”), or including volume required for laboratory QC samples (“with QC”). Sample volume including QC samples includes sufficient volume for matrix spike and duplicate sample analysis.

4. Containers required for analysis without laboratory QC samples are identified first; then additional containers for analysis with laboratory QC samples are identified, as necessary, if there is sufficient volume.

Table 8. Analyte List, Analytical Methods and Procedures, and Minimum Detectable Activities for Radionuclide Suites

Analyte (1)	Analysis Method	Procedure (2)	MDA (pCi/l)	Volume Required for Analysis (ml) (3)		Shipping Container (4)	Preservative	Holding Time
				Without QC	With QC			
Am-241	Alpha Spectrometry	EPA:911	0.05	1,000	2,000	1-L PE	HNO_3 to pH < 2	180 days
Pu-238			0.05					
Pu-239,240			0.05					
U-234			0.5					
U-235,236			0.5					
U-238			0.5					
Sr-90	GPC	EPA:905.0	0.5	1,000	2,000			
Co-60	Gamma Spectroscopy	EPA:901.1	10	2,000	2,000			
Cs-137			10					
K-40			100					
Na-22			10					
Np-237			50					
Gross alpha	GPC	EPA:900	3	500	2,000			
Gross beta			3					
H-3	LSC	EPA:906.0	50	250	500	1-L G (amber)	None	180 Days

EPA = Environmental Protection Agency
G = glass
GPC = gas proportional counting
L = Liter
LSC = liquid scintillation counting
MDA = minimum detectable activity
ml = milliliter
pCi/l = picoCurie per liter
PE = polyethylene
QC = quality control
SS = single stage [sampler]

1. Water samples are submitted *unfiltered* for all radionuclide analytical suites.
2. *Prescribed Procedures for Measurement of Radioactivity in Drinking Water*, EPA-600/4-80-032. (August 1980); or equivalent method in US Department of Energy, *EML Procedures Manual*, 28th Edition, Volume I, HASL-300, Environmental Measurements Laboratory. (February 1997).
3. Total required volume for analysis, either not including volume required for laboratory QC samples ("without QC"), or including volume required for laboratory QC samples ("with QC").
4. Containers required for analysis without laboratory QC samples are identified first; then additional containers for analysis with laboratory QC samples are identified, as necessary, if there is sufficient volume.

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APPENDIX A

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
ACID-SMA-2	E055.5	Gage	Q3	9/27/2004	F	GF0409E055501	1	1				
ACID-SMA-2	E055.5	Gage	Q3	9/27/2004	UF	GU0409E055501	1	1				
B-SMA-1	SS067	SS	Q3	7/27/2004	F	GF04080K06701	1	1				
B-SMA-1	SS067	SS	Q3	7/27/2004	UF	GU04080K06701	1	1				
B-SMA-1	SS067	SS	Q3	8/6/2004	F	GF04080K06702	1	1				
B-SMA-1	SS067	SS	Q3	8/6/2004	UF	GU04080K06702	1	1				
B-SMA-1	SS067	SS	Q3	8/10/2004	F	GF04080K06703	1	1				
B-SMA-1	SS067	SS	Q3	8/10/2004	UF	GU04080K06703	1	1				
B-SMA-1	SS067	SS	Q3	8/11/2004	F	GF04080K06704	1	1				
B-SMA-1	SS067	SS	Q3	8/11/2004	UF	GU04080K06704	1	1				
B-SMA-1	SS067	SS	Q3	8/20/2004	F	GF04080K06705	1	1				
B-SMA-1	SS067	SS	Q3	8/20/2004	UF	GU04080K06705	1	1				
CDB-SMA-1	SS2185	SS	Q3	7/27/2004	F	GF0408K218501	1	1				
CDB-SMA-1	SS2185	SS	Q3	7/27/2004	UF	GU0408K218501	1	1		1	1	1
CDB-SMA-1	SS2185	SS	Q3	8/18/2004	F	GF0408K218502	1	1				
CDB-SMA-1	SS2185	SS	Q3	8/18/2004	UF	GU0408K218502	1	1		1	1	1
CDB-SMA-1	SS2185	SS	Q4	10/5/2004	F	GF0410K218501	1	1				
CDB-SMA-1	SS2185	SS	Q4	10/5/2004	UF	GU0410K218501	1	1		1	1	1
CDB-SMA-1	SS2185	SS	Q4	10/11/2004	F	GF0410K218502	1	1				
CDB-SMA-1	SS2185	SS	Q4	10/11/2004	UF	GU0410K218502	1	1		1	1	1

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
CDB-SMA-2	SS2188	SS	Q3	7/27/2004	F	GF0408K218801	1	1				
CDB-SMA-2	SS2188	SS	Q3	7/27/2004	UF	GU0408K218801	1	1		1		1
CDB-SMA-2	SS2188	SS	Q4	10/11/2004	F	GF0410K218801	1	1				
CDB-SMA-2	SS2188	SS	Q4	10/11/2004	UF	GU0410K218801	1	1				
CDB-SMA-4	E227	Gage	Q3	8/10/2004	F	GF04080E22701	1	1				
CDB-SMA-4	E227	Gage	Q3	8/10/2004	UF	GU04080E22701	1	1		1	1	1
DP-SMA-1	SS0385	SS	Q3	7/27/2004	UF	GU0408K038501	1	1		1		1
DP-SMA-1	SS0385	SS	Q3	8/24/2004	UF	GU0408K038502	1	1		1		1
DP-SMA-1	SS0385	SS	Q4	10/5/2004	UF	GU0410K038501	1	1		1		
DP-SMA-1	SS0385	SS	Q4	10/11/2004	UF	GU0410K038502	1	1				
LA-SMA-1	SS0264	ISCO	Q3	7/18/2004	F	GF04080262501	1	1				
LA-SMA-1	SS0264	ISCO	Q3	7/18/2004	UF	GU04080262501	1	1				1
LA-SMA-1	SS0264	ISCO	Q3	8/11/2004	F	GF0408K026401	1	1				
LA-SMA-1	SS0264	ISCO	Q3	8/11/2004	UF	GU0408K026401	1	1		1		1
LA-SMA-1	SS0264	ISCO	Q3	8/18/2004	F	GF0408K026402	1	1				
LA-SMA-1	SS0264	ISCO	Q3	8/18/2004	UF	GU0408K026402	1	1		1		1
LA-SMA-1	SS0264	ISCO	Q3	8/19/2004	F	GF0408K026403	1	1				
LA-SMA-1	SS0264	ISCO	Q3	8/19/2004	UF	GU0408K026403	1	1				1
LA-SMA-1	SS0264	ISCO	Q3	8/20/2004	UF	GU0408K026404	1			1		
LA-SMA-1	SS0264	ISCO	Q3	9/4/2004	F	GF0409K026401	1	1				

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
LA-SMA-1	SS0264	ISCO	Q3	9/4/2004	UF	GU0409K026401	1	1		1		1
LA-SMA-10	SS037	SS	Q4	10/5/2004	UF	GU04100K03701	1	1				
LA-SMA-2	SS0265	ISCO	Q3	8/6/2004	F	GF0408K026501	1	1				
LA-SMA-2	SS0265	ISCO	Q3	8/6/2004	UF	GU0408K026501	1	1		1		1
LA-SMA-2	SS0265	ISCO	Q3	8/15/2004	F	GF0408K026502	1	1				
LA-SMA-2	SS0265	ISCO	Q3	8/15/2004	UF	GU0408K026502	1	1		1		1
LA-SMA-2	SS0265	ISCO	Q3	8/18/2004	F	GF0408K026503	1	1				
LA-SMA-2	SS0265	ISCO	Q3	8/18/2004	UF	GU0408K026503	1	1		1		1
LA-SMA-2	SS0265	ISCO	Q3	8/20/2004	F	GF0408K026504	1	1				
LA-SMA-2	SS0265	ISCO	Q3	8/20/2004	UF	GU0408K026504	1	1		1		1
LA-SMA-3	SS0266	ISCO	Q3	8/18/2004	F	GF0408K026601	1	1				
LA-SMA-3	SS0266	ISCO	Q3	8/18/2004	UF	GU0408K026601	1	1				1
LA-SMA-3	SS0266	ISCO	Q3	8/20/2004	F	GF0408K026602	1	1				
LA-SMA-3	SS0266	ISCO	Q3	8/20/2004	UF	GU0408K026602	1	1		1		1
LA-SMA-3	SS0266	ISCO	Q3	9/25/2004	F	GF0409K026601	1	1				
LA-SMA-3	SS0266	ISCO	Q3	9/25/2004	UF	GU0409K026601	1	1		1		1
LA-SMA-3	SS0266	ISCO	Q4	10/5/2004	F	GF0410K026601	1	1				
LA-SMA-3	SS0266	ISCO	Q4	10/5/2004	UF	GU0410K026601	1	1				1
LA-SMA-4	SS0267	ISCO	Q3	8/6/2004	F	GF0408K026701	1	1				
LA-SMA-4	SS0267	ISCO	Q3	8/6/2004	UF	GU0408K026701	1	1				

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
LA-SMA-4	SS0267	ISCO	Q3	8/15/2004	F	GF0408K026702	1	1				
LA-SMA-4	SS0267	ISCO	Q3	8/15/2004	UF	GU0408K026702	1	1		1		1
LA-SMA-4	SS0267	ISCO	Q3	8/18/2004	F	GF0408K026703	1	1				
LA-SMA-4	SS0267	ISCO	Q3	8/18/2004	UF	GU0408K026703	1	1				1
LA-SMA-4	SS0267	ISCO	Q3	9/4/2004	F	GF0409K026701	1	1				
LA-SMA-4	SS0267	ISCO	Q3	9/4/2004	UF	GU0409K026701	1	1				1
LA-SMA-4	SS0267	ISCO	Q3	9/13/2004	UF	GU0409K026702	1					1
LA-SMA-4	SS0267	ISCO	Q3	9/25/2004	UF	GU0409K026703	1			1		
LA-SMA-4	SS0267	ISCO	Q4	10/4/2004	UF	GU0410K026701						1
LA-SMA-5	SS0268	ISCO	Q3	8/18/2004	F	GF0408K026801	1	1				
LA-SMA-5	SS0268	ISCO	Q3	8/18/2004	UF	GU0408K026801	1	1		1		1
LA-SMA-6	SS0269	SS	Q3	7/27/2004	F	GF0408K026901	1	1				
LA-SMA-6	SS0269	SS	Q3	7/27/2004	UF	GU0408K026901	1	1		1		
LA-SMA-6	SS0269	SS	Q3	9/19/2004	F	GF0409K026901	1	1				
LA-SMA-6	SS0269	SS	Q3	9/19/2004	UF	GU0409K026901	1	1		1		1
M-SMA-1	SS198	ISCO	Q3	8/11/2004	F	GF04080K19801	1	1				
M-SMA-1	SS198	ISCO	Q3	8/11/2004	UF	GU04080K19801	1	1		1		
M-SMA-1	SS198	ISCO	Q3	8/18/2004	F	GF04080K19802	1	1				
M-SMA-1	SS198	ISCO	Q3	8/18/2004	UF	GU04080K19802	1	1		1		
M-SMA-1	SS198	ISCO	Q3	8/19/2004	F	GF04080K19803	1	1				

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
M-SMA-1	SS198	ISCO	Q3	8/19/2004	UF	GU04080K19803	1	1		1		1
M-SMA-1	SS198	ISCO	Q3	9/4/2004	F	GF04090K19801	1	1				
M-SMA-1	SS198	ISCO	Q3	9/4/2004	UF	GU04090K19801	1	1		1		1
M-SMA-1	SS198	ISCO	Q3	9/19/2004	UF	GU04090K19802	1					1
M-SMA-1	SS198	ISCO	Q3	9/25/2004	UF	GU04090K19803	1					1
M-SMA-1	SS198	ISCO	Q4	10/4/2004	UF	GU04100K19801	1					1
M-SMA-1	SS198	ISCO	Q4	10/11/2004	UF	GU04100K19802	1					1
M-SMA-11	SS2003	SS	Q3	7/27/2004	F	GF0408K200301	1	1				
M-SMA-11	SS2003	SS	Q3	7/27/2004	UF	GU0408K200301	1	1				
M-SMA-11	SS2003	SS	Q3	8/18/2004	F	GF0408K200302	1	1				
M-SMA-11	SS2003	SS	Q3	8/18/2004	UF	GU0408K200302	1	1		1	1	
M-SMA-11	SS2003	SS	Q3	8/20/2004	F	GF0408K200303	1	1				
M-SMA-11	SS2003	SS	Q3	8/20/2004	UF	GU0408K200303	1	1		1	1	1
M-SMA-11	SS2003	SS	Q3	9/4/2004	F	GF0409K200301	1	1				
M-SMA-11	SS2003	SS	Q3	9/4/2004	UF	GU0409K200301	1	1		1	1	1
M-SMA-11	SS2003	SS	Q3	9/25/2004	UF	GU0409K200302						1
M-SMA-11	SS2003	SS	Q3	9/27/2004	F	GF0409K200302	1	1				
M-SMA-11	SS2003	SS	Q3	9/27/2004	UF	GU0409K200303	1	1		1		1
M-SMA-11	SS2003	SS	Q4	10/3/2004	UF	GU0410K200301	1					
M-SMA-11	SS2003	SS	Q4	10/5/2004	UF	GU0410K200302	1				1	1

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
M-SMA-12	SS2004	SS	Q4	10/11/2004	F	GF0410K200401	1	1				
M-SMA-12	SS2004	SS	Q4	10/11/2004	UF	GU0410K200401	1	1				1
M-SMA-13	SS205	SS	Q3	7/27/2004	UF	GU04080K20501	1	1				
M-SMA-13	SS205	SS	Q3	8/15/2004	UF	GU04080K20502	1	1				1
M-SMA-13	SS205	SS	Q3	8/19/2004	UF	GU04080K20503	1	1				1
M-SMA-13	SS205	SS	Q3	8/20/2004	UF	GU04080K20504	1	1				1
M-SMA-13	SS205	SS	Q3	9/25/2004	UF	GU04090K20501	1	1				1
M-SMA-13	SS205	SS	Q4	10/5/2004	UF	GU04100K20501	1					1
M-SMA-2	SS1984	SS	Q3	7/27/2004	F	GF0408K198401	1	1				
M-SMA-2	SS1984	SS	Q3	7/27/2004	UF	GU0408K198401	1	1		1		1
M-SMA-2	SS1984	SS	Q3	8/19/2004	F	GF0408K198402	1	1				
M-SMA-2	SS1984	SS	Q3	8/19/2004	UF	GU0408K198402	1	1		1		1
M-SMA-3	SS1985	SS	Q3	7/27/2004	F	GF0408K198501	1	1				
M-SMA-3	SS1985	SS	Q3	7/27/2004	UF	GU0408K198501	1	1		1		1
M-SMA-3	SS1985	SS	Q3	8/19/2004	F	GF0408K198502	1	1				
M-SMA-3	SS1985	SS	Q3	8/19/2004	UF	GU0408K198502	1	1		1		1
M-SMA-3	SS1985	SS	Q3	9/27/2004	F	GF0409K198501	1	1				
M-SMA-3	SS1985	SS	Q3	9/27/2004	UF	GU0409K198501	1	1		1		1
M-SMA-4	SS1987	SS	Q3	7/27/2004	F	GF0408K198701	1	1				
M-SMA-4	SS1987	SS	Q3	7/27/2004	UF	GU0408K198701	1	1		1		1

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
M-SMA-4	SS1987	SS	Q3	8/11/2004	F	GF0408K198702	1	1				
M-SMA-4	SS1987	SS	Q3	8/11/2004	UF	GU0408K198702	1	1		1	1	1
M-SMA-4	SS1987	SS	Q3	8/19/2004	F	GF0408K198703	1	1				
M-SMA-4	SS1987	SS	Q3	8/19/2004	UF	GU0408K198703	1	1		1	1	1
M-SMA-4	SS1987	SS	Q3	9/27/2004	F	GF0409K198701	1	1				
M-SMA-4	SS1987	SS	Q3	9/27/2004	UF	GU0409K198701	1	1		1	1	
M-SMA-4	SS1987	SS	Q4	10/3/2004	F	GF0410K198701	1	1				
M-SMA-4	SS1987	SS	Q4	10/3/2004	UF	GU0410K198701	1	1				
M-SMA-4	SS1987	SS	Q4	10/5/2004	UF	GU0410K198702	1			1	1	1
M-SMA-4	SS1987	SS	Q4	10/11/2004	UF	GU0410K198703	1				1	1
M-SMA-4	SS1987	SS	Q4	10/25/2004	UF	GU0410K198704	1					1
M-SMA-5	SS199	SS	Q3	7/27/2004	F	GF04080K19901	1	1				
M-SMA-5	SS199	SS	Q3	7/27/2004	UF	GU04080K19901	1					
M-SMA-5	SS199	SS	Q3	8/11/2004	UF	GU04080K19902		1				
M-SMA-5	SS199	SS	Q3	8/19/2004	F	GF04080K19902	1	1				
M-SMA-5	SS199	SS	Q3	8/19/2004	UF	GU04080K19903	1	1				
M-SMA-5	SS199	SS	Q3	9/4/2004	UF	GU04090K19901	1					1
M-SMA-5	SS199	SS	Q3	9/27/2004	F	GF04090K19901	1	1				
M-SMA-5	SS199	SS	Q3	9/27/2004	UF	GU04090K19902	1	1		1		1
M-SMA-5	SS199	SS	Q4	10/5/2004	F	GF04100K19901	1	1				

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
M-SMA-5	SS199	SS	Q4	10/5/2004	UF	GU04100K19901	1	1		1		1
M-SMA-5	SS199	SS	Q4	10/11/2004	UF	GU04100K19902	1	1		1		
M-SMA-6	SS1991	ISCO	Q3	8/11/2004	F	GF0408K199101	1	1				
M-SMA-6	SS1991	ISCO	Q3	8/11/2004	UF	GU0408K199101	1	1		1		1
M-SMA-6	SS1991	ISCO	Q3	8/13/2004	F	GF0408K199102	1	1				
M-SMA-6	SS1991	ISCO	Q3	8/13/2004	UF	GU0408K199102	1	1		1		1
M-SMA-6	SS1991	ISCO	Q3	8/18/2004	F	GF0408K199103	1	1				
M-SMA-6	SS1991	ISCO	Q3	8/18/2004	UF	GU0408K199103	1	1		1		1
M-SMA-6	SS1991	ISCO	Q3	8/19/2004	F	GF0408K199104	1	1				
M-SMA-6	SS1991	ISCO	Q3	8/19/2004	UF	GU0408K199104	1	1		1		1
M-SMA-8	E200	Gage	Q3	7/27/2004	F	GF04070E20001	1	1				
M-SMA-8	E200	Gage	Q3	7/27/2004	UF	GU04070E20001	1	1		1		1
M-SMA-8	E200	Gage	Q3	8/11/2004	F	GF04080E20001	1	1				
M-SMA-8	E200	Gage	Q3	8/11/2004	UF	GU04080E20001	1	1		1		1
M-SMA-8	E200	Gage	Q3	8/18/2004	F	GF04080E20002	1	1				
M-SMA-8	E200	Gage	Q3	8/18/2004	UF	GU04080E20002	1	1		1		1
M-SMA-8	E200	Gage	Q3	8/20/2004	F	GF04080E20003	1	1				
M-SMA-8	E200	Gage	Q3	8/20/2004	UF	GU04080E20003	1	1		1		1
M-SMA-9	SS2001	SS	Q3	7/27/2004	F	GF0408K200101	1	1				
M-SMA-9	SS2001	SS	Q3	7/27/2004	UF	GU0408K200101	1	1		1		1

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
M-SMA-9	SS2001	SS	Q3	8/18/2004	F	GF0408K200102	1	1				
M-SMA-9	SS2001	SS	Q3	8/18/2004	UF	GU0408K200102	1	1		1		1
M-SMA-9	SS2001	SS	Q3	9/7/2004	F	GF0409K200101	1	1				
M-SMA-9	SS2001	SS	Q3	9/7/2004	UF	GU0409K200101	1	1				
M-SMA-9	SS2001	SS	Q3	9/27/2004	F	GF0409K200102	1	1				
M-SMA-9	SS2001	SS	Q3	9/27/2004	UF	GU0409K200102	1	1		1		1
M-SMA-9	SS2001	SS	Q4	10/5/2004	UF	GU0410K200101	1			1		1
M-SMA-9	SS2001	SS	Q4	10/11/2004	UF	GU0410K200102	1					1
PJ-SMA-15	E249.5	Gage	Q1	2/25/2004	UF	GU0402E249501	1	1				
PJ-SMA-15	E248.5	Gage	Q2	4/2/2004	UF	GU0404E248502	1	1		1		1
PJ-SMA-15	E249.5	Gage	Q2	6/28/2004	UF	GU0406E249501	1	1				
PJ-SMA-15	E248.5	Gage	Q3	7/24/2004	F	GF0407E248501	1	1				
PJ-SMA-15	E248.5	Gage	Q3	7/24/2004	UF	GU0407E248501	1	1		1		1
PJ-SMA-15	E249.5	Gage	Q3	7/27/2004	UF	GU0407E249501	1	1				
PJ-SMA-15	E249.5	Gage	Q3	8/6/2004	UF	GU0408E249501	1					1
PJ-SMA-15	E249.5	Gage	Q3	8/10/2004	UF	GU0408E249502	1	1		1	1	
PJ-SMA-15	E248.5	Gage	Q3	8/10/2004	UF	GU0408E248501	1					1
PJ-SMA-15	E249	Gage	Q3	8/10/2004	F	GF04080E24901	1	1				
PJ-SMA-15	E249	Gage	Q3	8/10/2004	UF	GU04080E24901	1	1		1		1
PJ-SMA-15	E249.5	Gage	Q3	8/11/2004	UF	GU0408E249503	1	1		1	1	

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
PJ-SMA-15	E249.5	Gage	Q3	8/18/2004	UF	GU0408E249504	1	1				
PJ-SMA-15	E249.5	Gage	Q3	8/19/2004	UF	GU0408E249505	1	1				1
PJ-SMA-15	E249.5	Gage	Q3	8/31/2004	UF	GU0409E249501	1	1				1
PJ-SMA-15	E249.5	Gage	Q3	9/4/2004	UF	GU0409E249502	1					1
PJ-SMA-15	E248.5	Gage	Q3	9/25/2004	F	GF0409E248501	1	1				
PJ-SMA-15	E248.5	Gage	Q3	9/25/2004	UF	GU0409E248501	1	1				
PJ-SMA-15	E248.5	Gage	Q4	10/11/2004	F	GF0410E248501	1	1				
PJ-SMA-15	E248.5	Gage	Q4	10/11/2004	UF	GU0410E248501	1					
Pratt-SMA-1	SS20142	SS	Q3	7/27/2004	F	GF04082014201	1	1				
Pratt-SMA-1	SS20142	SS	Q3	7/27/2004	UF	GU04082014201	1	1		1	1	1
Pratt-SMA-1	SS20142	SS	Q3	8/11/2004	F	GF04082014202	1	1				
Pratt-SMA-1	SS20142	SS	Q3	8/11/2004	UF	GU04082014202	1	1				
Pratt-SMA-1	SS20142	SS	Q3	8/18/2004	F	GF04082014203	1	1				
Pratt-SMA-1	SS20142	SS	Q3	8/18/2004	UF	GU04082014203	1	1		1	1	1
Pratt-SMA-1	SS20142	SS	Q3	8/20/2004	F	GF04082014204	1	1				
Pratt-SMA-1	SS20142	SS	Q3	8/20/2004	UF	GU04082014204	1	1		1	1	1
Pratt-SMA-1	SS20142	SS	Q3	9/4/2004	UF	GU04092014201	1	1		1	1	1
Pratt-SMA-1	SS20142	SS	Q4	10/5/2004	UF	GU04102014201	1			1	1	1
Pratt-SMA-1	SS20142	SS	Q4	10/11/2004	F	GF04102014201	1	1				
Pratt-SMA-1	SS20142	SS	Q4	10/11/2004	UF	GU04102014202	1	1				1

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
S-SMA-1	E122.2	Gage	Q1	2/25/2004	UF	GU0402E122201	1	1				
S-SMA-1	E122.2	Gage	Q2	4/2/2004	UF	GU0404E122201	1	1				
S-SMA-1	E122.2	Gage	Q3	7/27/2004	UF	GU0407E122201	1	1				
S-SMA-1	E122.2	Gage	Q3	7/27/2004	UF	GU0407E122290	1	1				
S-SMA-1	E122.2	Gage	Q3	8/11/2004	UF	GU0408E122201	1	1				
S-SMA-1	E122.2	Gage	Q3	8/18/2004	UF	GU0408E122202	1	1				
S-SMA-1	E122.2	Gage	Q3	8/20/2004	UF	GU0408E122203	1	1				
S-SMA-2	E121	Gage	Q1	2/25/2004	UF	GU04020E12101	1	1				
S-SMA-2	E121	Gage	Q3	7/27/2004	F	GF04070E12101	1	1				
S-SMA-2	E121	Gage	Q3	7/27/2004	UF	GU04070E12101	1	1		1		1
S-SMA-2	E121	Gage	Q3	8/11/2004	F	GF04080E12101	1	1				
S-SMA-2	E121	Gage	Q3	8/11/2004	UF	GU04080E12101	1	1		1		
S-SMA-2	E121	Gage	Q3	8/18/2004	F	GF04080E12102	1	1				
S-SMA-2	E121	Gage	Q3	8/18/2004	UF	GU04080E12102	1	1		1		1
S-SMA-2	E121	Gage	Q3	9/27/2004	F	GF04090E12101	1	1				
S-SMA-2	E121	Gage	Q3	9/27/2004	UF	GU04090E12101	1	1				1
S-SMA-3	SS12292	ISCO	Q3	7/27/2004	F	GF0408K122901	1	1				
S-SMA-3	SS12292	ISCO	Q3	7/27/2004	UF	GU0408K122901	1	1				
S-SMA-3	SS12292	ISCO	Q3	9/27/2004	F	GF0409K122901	1	1				
S-SMA-3	SS12292	ISCO	Q3	9/27/2004	UF	GU0409K122901	1	1				

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
S-SMA-4	SS1238	ISCO	Q3	7/18/2004	F	GF0408K123801	1	1				
S-SMA-4	SS1238	ISCO	Q3	7/18/2004	UF	GU0408K123801	1	1				1
S-SMA-4	SS1238	ISCO	Q3	8/6/2004	F	GF0408K123802	1	1				
S-SMA-4	SS1238	ISCO	Q3	8/6/2004	UF	GU0408K123802	1	1	1	1		1
S-SMA-4	SS1238	ISCO	Q3	8/10/2004	F	GF0408K123803	1	1				
S-SMA-4	SS1238	ISCO	Q3	8/10/2004	UF	GU0408K123803	1	1	1	1		
S-SMA-4	SS1238	ISCO	Q3	8/11/2004	F	GF0408K123804	1	1				
S-SMA-4	SS1238	ISCO	Q3	8/11/2004	UF	GU0408K123804	1	1	1	1		1
S-SMA-4	SS1238	ISCO	Q3	8/15/2004	UF	GU0408K123805			1	1		1
S-SMA-5	SS1245	SS	Q3	7/27/2004	F	GF0408K124501	1	1				
S-SMA-5	SS1245	SS	Q3	7/27/2004	UF	GU0408K124501	1	1		1		
S-SMA-6	SS1248	ISCO	Q3	7/24/2004	UF	GU0408K124801		1				
S-SMA-6	SS1248	ISCO	Q3	8/15/2004	UF	GU0408K124802	1	1				1
T-SMA-1	E201.3	Gage	Q2	4/2/2004	UF	GU0404E201302	1	1				
T-SMA-1	E201.3	Gage	Q2	4/5/2004	UF	GU0404E201303	1	1				1
T-SMA-1	E201.3	Gage	Q2	4/8/2004	F	GF0404E201301	1	1				
T-SMA-1	E201.3	Gage	Q2	4/8/2004	UF	GU0404E201304	1					
T-SMA-1	E201.3	Gage	Q2	4/9/2004	UF	GU0404E201305	1					1
T-SMA-1	E201.3	Gage	Q3	7/23/2004	F	GF0407E201301	1	1				
T-SMA-1	E201.3	Gage	Q3	7/23/2004	UF	GU0407E201301	1	1				1

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
T-SMA-1	E201.3	Gage	Q4	10/6/2004	F	GF0410E201301	1	1				
T-SMA-1	E201.3	Gage	Q4	10/6/2004	UF	GU0410E201301	1	1				
T-SMA-3	SS20134	SS	Q3	7/27/2004	F	GF04082013401	1	1				
T-SMA-3	SS20134	SS	Q3	7/27/2004	UF	GU04082013401	1	1				1
T-SMA-3	SS20134	SS	Q3	8/11/2004	F	GF04082013402	1	1				
T-SMA-3	SS20134	SS	Q3	8/11/2004	UF	GU04082013402	1	1				1
T-SMA-3	SS20134	SS	Q3	8/15/2004	F	GF04082013403	1	1				
T-SMA-3	SS20134	SS	Q3	8/15/2004	UF	GU04082013403	1	1				1
T-SMA-3	SS20134	SS	Q3	8/18/2004	F	GF04082013404	1	1				
T-SMA-3	SS20134	SS	Q3	8/18/2004	UF	GU04082013404	1	1				1
T-SMA-3	SS20134	SS	Q3	8/20/2004	F	GF04082013405	1	1				
T-SMA-3	SS20134	SS	Q3	8/20/2004	UF	GU04082013405	1	1				1
T-SMA-4	SS20136	SS	Q3	7/27/2004	F	GF04082013601	1	1				
T-SMA-4	SS20136	SS	Q3	7/27/2004	UF	GU04082013601	1	1				1
T-SMA-4	SS20136	SS	Q4	10/5/2004	F	GF04102013601	1	1				
T-SMA-4	SS20136	SS	Q4	10/5/2004	UF	GU04102013601	1	1			1	1
T-SMA-4	SS20136	SS	Q4	10/11/2004	F	GF04102013602	1	1				
T-SMA-4	SS20136	SS	Q4	10/11/2004	UF	GU04102013602	1	1			1	1
T-SMA-5	SS20138	SS	Q3	7/27/2004	F	GF0408K201301	1	1				
T-SMA-5	SS20138	SS	Q3	7/27/2004	UF	GU0408K201301	1	1				

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Table A-1. Storm Water Runoff Samples Collected at Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	Monitoring Station ID	Station Type	2004 Quarter	Sample Date	F/UF	Sample ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	RAD
T-SMA-5	SS20138	SS	Q3	9/4/2004	UF	GU0409K201301	1					1
T-SMA-5	SS20138	SS	Q4	10/11/2004	F	GF0410K201301	1	1				
T-SMA-5	SS20138	SS	Q4	10/11/2004	UF	GU0410K201301	1	1				1

Appendix A

Table A-2. Sampling Summary for Site Monitoring Areas, Monitoring Year 2004

SMA ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	VOA	RAD	Sample(s) Collected? (Y/N)	Four Samples Completed? (Y/N)
ACID-SMA-2	1	1						Y	N
B-SMA-1	5	5						Y	Y
CDB-SMA-1	4	4		4	4		4	Y	Y
CDB-SMA-2	2	2		1			1	Y	N
CDB-SMA-4	1	1		1	1		1	Y	N
DP-SMA-1	4	4		3			2	Y	N
LA-SMA-1	6	5		4			5	Y	Y
LA-SMA-2	4	4		4			4	Y	Y
LA-SMA-3	4	4		2			4	Y	N
LA-SMA-4	6	4		2			5	Y	N
LA-SMA-5	1	1		1			1	Y	N
LA-SMA-6	2	2		2			1	Y	N
LA-SMA-9								N	N
LA-SMA-10	1	1						Y	N
M-SMA-1	8	4		4			6	Y	Y
M-SMA-2	2	2		2			2	Y	N
M-SMA-3	3	3		3			3	Y	N
M-SMA-4	8	5		5	5		6	Y	Y

Appendix A

Table A-1. Sampling Summary for Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	VOA	RAD	Sample(s) Collected? (Y/N)	Four Samples Completed? (Y/N)
M-SMA-5	6	5		3			3	Y	N
M-SMA-6	4	4		4			4	Y	Y
M-SMA-7								N	N
M-SMA-8	4	4		4			4	Y	Y
M-SMA-9	6	4		4			5	Y	Y
M-SMA-10								N	N
M-SMA-11	7	5		4	4		5	Y	Y
M-SMA-12	1	1					1	Y	N
M-SMA-13	6	5					5	Y	Y
PJ-SMA-15	16	12		5	2	4	8	Y	Y
Pratt-SMA-1	7	6		5	5		6	Y	Y
P-SMA-1								N	N
S-SMA-1	7	7						Y	Y
S-SMA-2	5	5		3			3	Y	N
S-SMA-3	2	2						Y	N
S-SMA-4	4	4	4	4			4	Y	Y
S-SMA-5	1	1		1				Y	N
S-SMA-6	1	2					1	Y	N
T-SMA-1	6	4					3	Y	N
T-SMA-3	5	5					5	Y	Y
T-SMA-4	3	3			2		3	Y	N

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Table A-1. Sampling Summary for Site Monitoring Areas, Monitoring Year 2004, continued

SMA ID	GENINORG	METALS	HEXP	PEST/PCB	SVOA	VOA	RAD	Sample(s) Collected? (Y/N)	Four Samples Completed? (Y/N)
T-SMA-5	3	2					2	Y	N
T-SMA-6								N	N

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APPENDIX B

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Appendix B. Site Monitoring Area Status for 2004 Sampling Year (1)

SMA ID	Sample(s) Collected (Y/N)	Four Complete Samples (Y/N)	Potential Laboratory-Derived Pollutants > wSAL	Additional Monitoring Required (Y/N)	SMA Complete (Y/N)	BMPs in Place (Y/N/Partial)	BMP Status
ACID-SMA-2	Y	N		Y	N	Y	Improve and maintain BMPs
B-SMA-1	Y	Y	As, Pb, V	Y	N	N	Install & maintain BMPs
P-SMA-1	N	N		Y	N	Partial	Install and/or improve BMPs
DP-SMA-1	Y	N	Hg, Gross alpha	Y	N	Y	Improve and maintain BMPs
LA-SMA-1	Y	Y	CN, As, Pb, V, Gross alpha	Y	N	N	Install & maintain BMPs
LA-SMA-2	Y	Y	Aroclor-1254	Y	N	Y	Improve and maintain BMPs
LA-SMA-3	Y	N		Y	N	N	None required
LA-SMA-4	Y	N	Pb, Gross alpha	Y	N	N	Install & maintain BMPs
LA-SMA-5	Y	N	Hg, Pb, V, Aroclor-1260, Gross alpha	Y	N	Y	Improve and maintain BMPs
LA-SMA-6	Y	N	As, Pb, Aroclor-1260, Gross alpha	Y	N	Y	Improve and maintain BMPs
LA-SMA-9	N	N		Y	N	Y	Improve and maintain BMPs
LA-SMA-10	Y	N		Y	N	Y	Improve and maintain BMPs
S-SMA-1	Y	Y	As, Pb	Y	N	Partial	Install and/or improve BMPs
S-SMA-2	Y	N		Y	N	Y	Improve and maintain BMPs
S-SMA-3	Y	N	As, Pb, V	Y	N	N	Install & maintain BMPs
S-SMA-4	Y	Y	Gross alpha	Y	N	Y	Improve and maintain BMPs
S-SMA-5	Y	N	Ag, Pb, Aroclor-1260	Y	N	Y	Improve and maintain BMPs
S-SMA-6	Y	N	Ag, As, Hg, Pb, Gross alpha	Y	N	Y	Improve and maintain BMPs
M-SMA-1	Y	Y		N	Y	Y	Regular BMP inspection schedule
M-SMA-2	Y	N	V, Gross alpha	Y	N	Y	Improve and maintain BMPs
M-SMA-3	Y	N	Gross alpha	Y	N	Y	Improve and maintain BMPs
M-SMA-4	Y	Y	Pb, Gross alpha	Y	N	Y	Improve and maintain BMPs
M-SMA-5	Y	N	CN, Gross alpha	Y	N	Partial	Install and/or improve BMPs

Appendix B. Site Monitoring Area Status for 2004 Sampling Year (1)

SMA ID	Sample(s) Collected (Y/N)	Four Complete Samples (Y/N)	Potential Laboratory-Derived Pollutants > wSAL	Additional Monitoring Required (Y/N)	SMA Complete (Y/N)	BMPs in Place (Y/N/Partial)	BMP Status
M-SMA-6	Y	Y		N	Y	Y	Regular BMP inspection schedule
M-SMA-7	N	N		Y	N	Partial	Install and/or improve BMPs
M-SMA-8	Y	Y	Gross alpha	Y	N	N	Install & maintain BMPs
M-SMA-9	Y	Y		N	Y	Y	Regular BMP inspection schedule
M-SMA-10	N	N		Y	N	Y	Improve and maintain BMPs
M-SMA-11	Y	Y	Gross alpha	Y	N	N	Install & maintain BMPs
M-SMA-12	Y	N		Y	N	N	None required
M-SMA-13	Y	Y	Pb, Gross alpha	Y	N	Y	Improve and maintain BMPs
Pratt-SMA-1	Y	Y	As, Pb, V, Aroclor-1254, Gross alpha	Y	N	Partial	Install and/or improve BMPs
T-SMA-1	Y	N		Y	N	Partial	Install and/or improve BMPs
T-SMA-3	Y	Y	Ag, Gross alpha	Y	N	Y	Improve and maintain BMPs
T-SMA-4	Y	N		Y	N	Y	Improve and maintain BMPs
T-SMA-5	Y	N		Y	N	Y	Improve and maintain BMPs
T-SMA-6	N	N		Y	N	Y	Improve and maintain BMPs
CDB-SMA-1	Y	Y		N	Y	Partial	Regular BMP inspection schedule
CDB-SMA-2	Y	N	Ag	Y	N	Partial	Install and/or improve BMPs
CDB-SMA-4	Y	N	V	Y	N	Y	Improve and maintain BMPs
PJ-SMA-15	Y	Y	Gross alpha	Y	N	Y	Improve and maintain BMPs

1. SMAs highlighted in grey had four samples with no values for potentially Laboratory-derived pollutants above wSALs and are removed from the 2005 Site-Specific Storm Water Sampling Plan.

APPENDIX C

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Appendix C
Table 1. Site-Specific Storm Water Monitoring, 2005
Detailed Sampling Plan

SMA ID	Monitoring Year Start	Site ID	Erosion Matrix Score	Station Type	Number of Samples per Monitoring Suite															
					Metals	Hg	Gen Inorg	ClO4	DOC	Dioxins/ Furans	HE	PAH	PCB	Pest	SVOA	TPH	VOA	H-3	Rad	SSC
Site Monitoring Areas Initiated in 2005																				
2M-SMA-1	2005	03-010(a)	69.0	TBD	4	4	4		4								4	4	4	4
		03-055(b)	73.5																	
2M-SMA-2	2005	03-054(b)	65.8		4	4	4		4						4	4	4			4
2M-SMA-3	2005	07-001(b)	55.5	TBD	4		4		4		4				4					4
		07-001(c)	46.7																	
		07-001(d)	55.5																	
3M-SMA-0.5	2005	15-006(c)	64.5	ISCO	4	4	4		4		4									4
3M-SMA-0.6	2005	15-008(b)	67.2	SS	4	4	4		4											4
ACID-SMA-1	2005	00-030(g)	47.2	SS	4	4	4		4				4	4				4	4	4
A-SMA-1	2005	39-004(a)	74.0	ISCO	4	4	4		4		4							4	4	4
		39-004(d)	74.0																	
A-SMA-2	2005	39-004(b)	74.5	ISCO	4	4	4		4						4			4	4	4
A-SMA-3	2005	39-004(c)	74.5	ISCO	4		4		4						4			4	4	4
CDV-SMA-1	2005	16-001(a)	67.0	SS	4	4	4		4						4	4	4			4
		16-001(b)	45.0																	
		16-001(c)	45.0																	
CDV-SMA-1.4	2005	16-016(d)	44.5	SS	4		4		4						4		4			4
CDV-SMA-1.5	2005	16-026(j)	40.2	TBD			4		4											4
CDV-SMA-1.7	2005	16-019	82.5	TBD	4		4		4		4				4					4
CDV-SMA-2	2005	16-021(c)	73.3	TBD	4	4	4		4		4				4		4	4	4	4
CDV-SMA-2.4	2005	16-010(b)	55.5	ISCO	4		4		4		4		4	4	4		4			4
		16-018	69.3																	
CDV-SMA-6	2005	14-001(g)	53.3	TBD	4	4	4		4		4							4	4	4
		14-002(d)	40.8																	
		14-002(e)	47.8																	
		14-006	47.1																	
DP-SMA-0.3	2005	21-029	56.6	TBD	4	4	4		4				4	4	4	4	4	4	4	4
DP-SMA-0.9	2005	21-011(c)	54.0	SS	4		4		4						4			4	4	4
		21-016(a)	54.0																	
		21-016(b)	54.0																	
		21-016(c)	54.0																	
DP-SMA-2	2005	21-024(h)	54.0	SS	4		4		4								4	4	4	4
F-SMA-1	2005	36-004(b)	57.3	SS	4	4	4		4									4	4	4
F-SMA-2	2005	36-004(c)	68.3	ISCO	4	4	4		4								4	4	4	4
		36-005	45.4																	
LA-SMA-1.2	2005	C-43-001	45.4	SS			4		4											4

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SMA ID	Monitoring Year Start	Site ID	Erosion Matrix Score	Station Type	Number of Samples per Monitoring Suite															
					Metals	Hg	Gen Inorg	ClO4	DOC	Dioxins/ Furans	HE	PAH	PCB	Pest	SVOA	TPH	VOA	H-3	Rad	SSC
LA-SMA-1.5	2005	00-030(i)	54.5	TBD	4		4		4						4					4
LA-SMA-5.2	2005	01-003(d)	49.5	SS	4	4	4		4									4	4	4
LA-SMA-5.3	2005	C-41-004	52.8	ISCO			4		4											4
LA-SMA-5.4	2005	32-004	42.0	SS	4	4	4		4						4			4	4	4
LA-SMA-5.5	2005	02-003(a)	57.6	ISCO	4	4	4		4									4	4	4
		02-003(e)	40.5																	
		02-006(b)	51.8																	
		02-007	44.8																	
		02-008(a)	55.8																	
		02-009(a)	57.0																	
		02-009(b)	44.8																	
		02-009(c)	51.3																	
		02-011(a)	57.0																	
LA-SMA-6.2	2005	21-024(e)	56.0	SS	4		4		4									4	4	4
LA-SMA-6.3	2005	21-027(a)	52.0	SS	4		4		4						4		4	4	4	4
LA-SMA-6.5	2005	21-024(i)	53.7	TBD	4	4	4		4				4		4			4	4	4
PJ-SMA-1	2005	09-004(g)		TBD			4		4		4									4
PJ-SMA-4	2005	09-004(g)	61.8	SS			4		4		4									4
		09-005(g)	51.0																	
PJ-SMA-7	2005	40-006(c)	62.0	SS	4	4	4		4		4							4	4	4
PJ-SMA-8	2005	40-006(b)	62.0	SS	4	4	4		4		4							4	4	4
P-SMA-2	2005	73-002	56.0	TBD	4	4	4		4	4					4					4
		73-006	56.0																	
P-SMA-2.2	2005	00-019	51.5	TBD	4	4	4		4				4	4	4		4	4	4	4
P-SMA-3	2005	00-018(a)	42.8	ISCO			4		4											4
PT-SMA-3	2005	36-004(a)	48.5	TBD	4	4	4		4								4			4
		36-006	78.0																	
R-SMA-1	2005	C-00-041	42.8	SS	4	4	4		4						4					4
S-SMA-3.5		20-003(c)		TBD			4		4											4
W-SMA-1	2005	16-026(c2)	61.8	SS	4	4	4		4		4				4	4	4			4
		16-026(v)	65.8																	
W-SMA-2	2005	16-028(e)	47.2	TBD	4	4	4		4						4					4
W-SMA-4	2005	16-003(a)	55.5	TBD			4		4											4
W-SMA-5	2005	16-003(f)	56.0	TBD			4		4						4					4
		16-026(z)	49.6																	
W-SMA-7	2005	16-026(h2)	61.0	SS	4		4		4		4				4					4

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SMA ID	Monitoring Year Start	Site ID	Erosion Matrix Score	Station Type	Number of Samples per Monitoring Suite															
					Metals	Hg	Gen Inorg	ClO4	DOC	Dioxins/ Furans	HE	PAH	PCB	Pest	SVOA	TPH	VOA	H-3	Rad	SSC
W-SMA-8	2005	16-006(c)	49.5	TBD	4	4	4		4						4		4			4
		16-016(g)	46.1																	
		16-026(a)	73.5																	
		16-028(b)	83.0																	
W-SMA-9	2005	16-030(g)	71.0	ISCO	4		4		4		4									4
W-SMA-10	2005	11-003(b)	55.5	TBD	4	4	4		4		4				4		4	4	4	4
		11-004(a)	56.0																	
		11-004(b)	56.0																	
		11-004(c)	56.0																	
		11-004(d)	56.0																	
		11-004(e)	56.0																	
		11-004(f)	56.0																	
		11-005(c)	59.0																	
		11-006(b)	52.0																	
		11-006(c)	68.8																	
		11-006(d)	74.0																	
W-SMA-11	2005	11-004(a)	56.0	SS	4	4	4		4		4							4	4	4
		11-004(b)	56.0																	
		11-004(c)	56.0																	
		11-004(d)	56.0																	
		11-004(e)	56.0																	
		11-004(f)	56.0																	
TBD	2005	18-003(c)	62.3	TBD	4	4	4		4						4			4	4	4
		18-010(d)	46.2																	
		18-010(f)	62.3																	
		18-012(a)	59.2																	
		18-012(b)	46.6																	

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SMA ID	Monitoring Year Start	Site ID	Erosion Matrix Score	Station Type	Number of Samples per Monitoring Suite															
					Metals	Hg	Gen Inorg	ClO4	DOC	Dioxins/ Furans	HE	PAH	PCB	Pest	SVOA	TPH	VOA	H-3	Rad	SSC
Site Monitoring Areas Retained from 2004																				
ACID-SMA-2	2004	01-002(b)-00	71.5	Gage	3	3	3		3				4					4	4	4
		45-001	50.3																	
		45-004	50.2																	
B-SMA-1	2004	00-011(d)	73.8	SS	4	4	4		4											4
CDB-SMA-2	2004	46-002	52.8	SS	4	4	4		4				3					3	3	4
		46-009(b)	70.0																	
CDB-SMA-4	2004	54-017	62.0	Gage	4	4	4		4			3	3					3	3	4
		54-018	52.6																	
		54-020	53.7																	
DP-SMA-1	2004	21-011(k)	72.0	SS	4	4	4		4				1					2	2	4
LA-SMA-1	2004	00-017	67.5	SS, ISCO	4		4		4										4	4
LA-SMA-2	2004	01-001(f)	56.7	ISCO									4							4
		01-006(b)	76.5																	
LA-SMA-3	2004	01-003(a)	79.0	ISCO									2							2
LA-SMA-4	2004	01-001(c)	76.5	ISCO	4		4		4				2						2	4
		01-006(b)	76.5																	
		01-006(c)	76.5																	
		01-006(d)	76.5																	
		01-006(n)	76.5																	
LA-SMA-5	2004	01-001(d)	74.5	ISCO	4	4	4		4				3					3	3	4
		01-003(e)	83.0																	
LA-SMA-6	2004	21-013(b)	67.0	SS	4	4	4		4				2					2	4	4
		21-013(g)	67.0																	
		21-027(d)	45.0																	
LA-SMA-9	2004	26-001	65.0	SS	4	4	4		4				4					4	4	4
LA-SMA-10	2004	53-002(a)	47.8	SS	3	3	3		3				4						4	4
		53-008	61.8																	
M-SMA-1	2004	03-054(e)	89.0	ISCO																
M-SMA-2	2004	48-007(f)	76.5	SS	4	4	4		4				2					2	4	4
M-SMA-3	2004	48-007(c)	69.5	SS	1	1	1		1				1					1	1	1
M-SMA-4	2004	48-007(a)	55.8	SS	4		4	4	4										4	4
		48-007(d)	55.8																	
		48-010	80.3																	

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SMA ID	Monitoring Year Start	Site ID	Erosion Matrix Score	Station Type	Number of Samples per Monitoring Suite														
					Metals	Hg	Gen Inorg	ClO4	DOC	Dioxins/ Furans	HE	PAH	PCB	Pest	SVOA	TPH	VOA	H-3	Rad	SSC
M-SMA-5	2004	42-001(a)	65.8	SS			4						1					1	1	1
		42-001(b)	65.8																	
		42-001(c)	65.8																	
		42-002(a)	65.8																	
		42-002(b)	65.8																	
M-SMA-7	2004	35-016(g)	68.3	ISCO	4	4	4	4	4				4					4	4	
		35-016(h)	76.5																	
M-SMA-8	2004	50-006(d)	89.0	Gage															4	
M-SMA-10	2004	35-008	61.0	ISCO	4	4	4	4	4				4					4	4	
		35-014(e)	61.0																	
		35-016(e)	72.0																	
M-SMA-11	2004	35-016(o)	60.3	SS															4	
M-SMA-12	2004	35-016(p)	60.3	SS	3	3	3	3	3									3	3	
M-SMA-13	2004	05-001(c)	73.5	SS	4		4		4										4	
PJ-SMA-15	2004	54-014(d)	66.5	Gage															4	4
		54-017	62.0																	
		54-018	52.6																	
		54-020	53.7																	
Pratt-SMA-1	2004	35-003(d)	59.0	SS	4		4		4				4						4	
		35-003(h)	44.2																	
		35-003(l)	59.0																	
		35-003(p)	50.8																	
		35-003(q)	59.0																	
		35-003(r)	87.0																	
		35-004(h)	50.8																	
		35-016(k)	53.0																	
		35-016(l)	64.0																	
		35-016(m)	72.0																	
P-SMA-1	2004	73-001(a)	85.5	SS	4	4	4		4			4		4				4	4	4
		73-004(d)	46.7																	
S-SMA-1	2004	03-003(m)	46.3	Gage	4		4		4											
		03-009(a)	61.3																	
		03-029	44.3																	
S-SMA-2	2004	03-012(b)	65.0	Gage									1					1	1	
		03-045(b)	65.0																	
		03-045(c)	57.7																	
		03-056(c)	45.0																	
S-SMA-3	2004	03-014(c2)	72.0	ISCO	4	4	4		4				4					4	4	

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SMA ID	Monitoring Year Start	Site ID	Erosion Matrix Score	Station Type	Number of Samples per Monitoring Suite															
					Metals	Hg	Gen Inorg	ClO4	DOC	Dioxins/ Furans	HE	PAH	PCB	Pest	SVOA	TPH	VOA	H-3	Rad	SSC
S-SMA-4	2004	53-014	80.5	ISCO															4	
S-SMA-5	2004	20-002(c)	73.8	SS	4	4	4		4				4					3	3	
S-SMA-6	2004	72-001	84.3	ISCO	4	4	4		4											
T-SMA-1	2004	50-006(a)	77.8	Gage									4					1	1	
		50-009	54.8																	
T-SMA-3	2004	35-016(b)	96.0	SS	4		4		4										4	
T-SMA-4	2004	35-016(c)	47.2	SS	1	1	1		1						2			1	1	
		35-016(d)	76.5																	
T-SMA-5	2004	35-016(a)	92.0	SS	2	2	2		2									2	2	
T-SMA-6	2004	35-016(q)	92.0	SS	4	4	4		4									4	4	

ClO_4	perchlorate anion	Pest	chlorinated pesticides
DOC	dissolved organic carbon	Rad	radionuclide suites
Gen Inorg	general inorganic suites	SS	single stage [sampler]
H-3	tritium	SSC	suspended sediment concentration
HE	high explosives	SVOA	semivolatile organic analyties
Hg	mercury	TBD	to be determined
ISCO	ISCO automated sampler	TPH	total petroleum hydrocarbons
PAH	polynuclear aromatic hydrocarbon	VOA	volatile organic analytes
PCB	polychlorinated biphenyl [compound]		

Monitoring Year Start	SMA ID	Site ID	Surface Soil Data Available?	Analytical Class	Analytical Suite	COPCs Identified?	Monitoring Suite?
2005	2M-SMA-1	03-010(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	2M-SMA-1	03-010(a)	Yes	ORGANIC	VOA	Yes	Yes
2005	2M-SMA-1	03-010(a)	Yes	RAD	RAD	Yes	Yes
2005	2M-SMA-1	03-055(b)	No			NA	NA
2005	2M-SMA-2	03-054(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	2M-SMA-2	03-054(b)	Yes	ORGANIC	Petroleum Hydrocarbons	Yes	Yes
2005	2M-SMA-2	03-054(b)	Yes	ORGANIC	SVOA	Yes	Yes
2005	2M-SMA-2	03-054(b)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	2M-SMA-3	07-001(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	2M-SMA-3	07-001(b)	Yes	ORGANIC	HEXP	Yes	Yes
2005	2M-SMA-3	07-001(b)	Yes	ORGANIC	SVOA	Yes	Yes
2005	2M-SMA-3	07-001(c)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	2M-SMA-3	07-001(d)	Yes	INORGANIC	Metals	Yes	Yes
2005	3M-SMA-0.5	15-006(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	3M-SMA-0.5	15-006(c)	Yes	ORGANIC	HEXP	Yes	Yes
2005	3M-SMA-0.6	15-008(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	ACID-SMA-1	00-030(g)	Yes	INORGANIC	Metals	Yes	Yes
2005	ACID-SMA-1	00-030(g)	Yes	ORGANIC	PCB	Yes	Yes
2005	ACID-SMA-1	00-030(g)	Yes	ORGANIC	PEST	Yes	Yes
2005	ACID-SMA-1	00-030(g)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	ACID-SMA-1	00-030(g)	Yes	RAD	RAD	Yes	Yes
2005	A-SMA-1	39-004(a)	No			NA	NA
2005	A-SMA-1	39-004(d)	Yes	INORGANIC	Metals	Yes	Yes
2005	A-SMA-1	39-004(d)	Yes	ORGANIC	HEXP	Yes	Yes
2005	A-SMA-1	39-004(d)	Yes	ORGANIC	SVOA	Yes	No
2005	A-SMA-1	39-004(d)	Yes	RAD	RAD	Yes	Yes
2005	A-SMA-2	39-004(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	A-SMA-2	39-004(b)	Yes	ORGANIC	SVOA	Yes	Yes
2005	A-SMA-2	39-004(b)	Yes	RAD	RAD	Yes	Yes
2005	A-SMA-3	39-004(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	A-SMA-3	39-004(c)	Yes	ORGANIC	SVOA	Yes	Yes
2005	A-SMA-3	39-004(c)	Yes	RAD	RAD	Yes	Yes
2005	CDV-SMA-1	16-001(a)	No			NA	NA
2005	CDV-SMA-1	16-001(b)	No			NA	NA
2005	CDV-SMA-1	16-001(c)	No			NA	NA
2005	CDV-SMA-1.4	16-016(d)	Yes	INORGANIC	Metals	Yes	Yes
2005	CDV-SMA-1.4	16-016(d)	Yes	ORGANIC	SVOA	Yes	Yes
2005	CDV-SMA-1.4	16-016(d)	Yes	ORGANIC	VOA	Yes	Yes
2005	CDV-SMA-1.5	16-026(j)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	CDV-SMA-1.7	16-019	Yes	INORGANIC	Metals	Yes	Yes
2005	CDV-SMA-1.7	16-019	Yes	ORGANIC	HEXP	Yes	Yes
2005	CDV-SMA-1.7	16-019	Yes	ORGANIC	SVOA	Yes	Yes
2005	CDV-SMA-2	16-021(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	CDV-SMA-2	16-021(c)	Yes	ORGANIC	HEXP	Yes	Yes
2005	CDV-SMA-2	16-021(c)	Yes	ORGANIC	SVOA	Yes	Yes
2005	CDV-SMA-2	16-021(c)	Yes	ORGANIC	VOA	Yes	Yes
2005	CDV-SMA-2	16-021(c)	Yes	RAD	RAD	Yes	Yes
2005	CDV-SMA-2.4	16-010(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	CDV-SMA-2.4	16-010(b)	Yes	ORGANIC	HEXP	Yes	Yes
2005	CDV-SMA-2.4	16-010(b)	Yes	ORGANIC	SVOA	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	INORGANIC	Metals	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	ORGANIC	HEXP	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	ORGANIC	PCB	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	ORGANIC	PEST	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	ORGANIC	SVOA	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	ORGANIC	VOA	Yes	Yes
2005	CDV-SMA-2.4	16-018	Yes	RAD	RAD	Yes	No

Monitoring Year Start	SMA ID	Site ID	Surface Soil Data Available?	Analytical Class	Analytical Suite	COPCs Identified?	Monitoring Suite?
2005	CDV-SMA-6	14-001(g)	Yes	INORGANIC	Metals	Yes	Yes
2005	CDV-SMA-6	14-001(g)	Yes	ORGANIC	HEXP	Yes	Yes
2005	CDV-SMA-6	14-001(g)	Yes	RAD	RAD	Yes	Yes
2005	CDV-SMA-6	14-002(d)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	CDV-SMA-6	14-002(d)	Yes	RAD	RAD	Yes	Insufficient Data
2005	CDV-SMA-6	14-002(e)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	CDV-SMA-6	14-002(e)	Yes	RAD	RAD	Yes	Insufficient Data
2005	CDV-SMA-6	14-006	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	CDV-SMA-6	14-006	Yes	ORGANIC	HEXP	Yes	Insufficient Data
2005	CDV-SMA-6	14-006	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	CDV-SMA-6	14-006	Yes	RAD	RAD	Yes	Insufficient Data
2005	CHQ-SMA-6	33-004(j)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	CHQ-SMA-6	33-006(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	CHQ-SMA-6	33-006(a)	Yes	ORGANIC	HEXP	Yes	Yes
2005	CHQ-SMA-6	33-006(a)	Yes	RAD	RAD	Yes	Yes
2005	CHQ-SMA-6	33-007(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	CHQ-SMA-6	33-007(b)	Yes	ORGANIC	HEXP	Yes	No
2005	CHQ-SMA-6	33-007(b)	Yes	ORGANIC	SVOA	Yes	Yes
2005	CHQ-SMA-6	33-007(b)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	CHQ-SMA-6	33-007(b)	Yes	RAD	RAD	Yes	Yes
2005	CHQ-SMA-6	33-010(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	CHQ-SMA-6	33-010(c)	Yes	RAD	RAD	Yes	Yes
2005	CHQ-SMA-6	33-010(g)	Yes	INORGANIC	Metals	Yes	Yes
2005	CHQ-SMA-6	33-010(g)	Yes	ORGANIC	HEXP	Yes	Yes
2005	CHQ-SMA-6	33-010(g)	Yes	RAD	RAD	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	INORGANIC	Metals	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	ORGANIC	PAH	Yes	Insufficient Data
2005	DP-SMA-0.3	21-029	Yes	ORGANIC	PCB	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	ORGANIC	PEST	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	ORGANIC	Petroleum Hydrocarbons	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	ORGANIC	SVOA	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	ORGANIC	VOA	Yes	Yes
2005	DP-SMA-0.3	21-029	Yes	RAD	RAD	Yes	Yes
2005	DP-SMA-0.9	21-011(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	DP-SMA-0.9	21-011(c)	Yes	ORGANIC	SVOA	Yes	Yes
2005	DP-SMA-0.9	21-011(c)	Yes	RAD	RAD	Yes	Yes
2005	DP-SMA-0.9	21-016(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	DP-SMA-0.9	21-016(a)	Yes	ORGANIC	SVOA	Yes	Yes
2005	DP-SMA-0.9	21-016(a)	Yes	RAD	RAD	Yes	Yes
2005	DP-SMA-0.9	21-016(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	DP-SMA-0.9	21-016(b)	Yes	ORGANIC	SVOA	Yes	Yes
2005	DP-SMA-0.9	21-016(b)	Yes	RAD	RAD	Yes	Yes
2005	DP-SMA-0.9	21-016(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	DP-SMA-0.9	21-016(c)	Yes	ORGANIC	SVOA	Yes	Yes
2005	DP-SMA-0.9	21-016(c)	Yes	RAD	RAD	Yes	Yes
2005	DP-SMA-2	21-024(h)	Yes	INORGANIC	Metals	Yes	Yes
2005	DP-SMA-2	21-024(h)	Yes	ORGANIC	VOA	Yes	Yes
2005	DP-SMA-2	21-024(h)	Yes	RAD	RAD	Yes	Yes
2005	F-SMA-1	36-004(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	F-SMA-1	36-004(b)	Yes	RAD	RAD	Yes	Yes
2005	F-SMA-2	36-004(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	F-SMA-2	36-004(c)	Yes	RAD	RAD	Yes	Yes
2005	F-SMA-2	36-005	Yes	INORGANIC	Metals	Yes	Yes
2005	F-SMA-2	36-005	Yes	ORGANIC	HEXP	Yes	No
2005	F-SMA-2	36-005	Yes	ORGANIC	VOA	Yes	Yes
2005	F-SMA-2	36-005	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-1.2	C-43-001	No			NA	NA

Monitoring Year Start	SMA ID	Site ID	Surface Soil Data Available?	Analytical Class	Analytical Suite	COPCs Identified?	Monitoring Suite?
2005	LA-SMA-1.5	00-030(i)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-1.5	00-030(i)	Yes	ORGANIC	PEST	Yes	Insufficient Data
2005	LA-SMA-1.5	00-030(i)	Yes	ORGANIC	PEST/PCB	Yes	Insufficient Data
2005	LA-SMA-1.5	00-030(i)	Yes	ORGANIC	SVOA	Yes	Yes
2005	LA-SMA-1.5	00-030(i)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	LA-SMA-5.2	01-003(d)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.2	01-003(d)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-5.3	C-41-004	No			NA	NA
2005	LA-SMA-5.4	32-004	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.4	32-004	Yes	ORGANIC	SVOA	Yes	Yes
2005	LA-SMA-5.4	32-004	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	LA-SMA-5.5	02-003(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.5	02-003(a)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-5.5	02-003(e)	Yes	RAD	RAD	Yes	Insufficient Data
2005	LA-SMA-5.5	02-006(b)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	LA-SMA-5.5	02-006(b)	Yes	ORGANIC	PCB	Yes	Insufficient Data
2005	LA-SMA-5.5	02-006(b)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	LA-SMA-5.5	02-006(b)	Yes	RAD	RAD	Yes	Insufficient Data
2005	LA-SMA-5.5	02-007	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	LA-SMA-5.5	02-008(a)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	LA-SMA-5.5	02-008(a)	Yes	ORGANIC	PCB	Yes	Insufficient Data
2005	LA-SMA-5.5	02-008(a)	Yes	RAD	RAD	Yes	Insufficient Data
2005	LA-SMA-5.5	02-009(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.5	02-009(a)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-5.5	02-009(b)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.5	02-009(b)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-5.5	02-009(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.5	02-009(c)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	LA-SMA-5.5	02-009(c)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-5.5	02-011(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-5.5	02-011(a)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	LA-SMA-5.5	02-011(a)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-6.2	21-024(e)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-6.2	21-024(e)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-6.3	21-027(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-6.3	21-027(a)	Yes	ORGANIC	SVOA	Yes	Yes
2005	LA-SMA-6.3	21-027(a)	Yes	ORGANIC	VOA	Yes	Yes
2005	LA-SMA-6.3	21-027(a)	Yes	RAD	RAD	Yes	Yes
2005	LA-SMA-6.5	21-024(i)	Yes	INORGANIC	Metals	Yes	Yes
2005	LA-SMA-6.5	21-024(i)	Yes	ORGANIC	PCB	Yes	Yes
2005	LA-SMA-6.5	21-024(i)	Yes	ORGANIC	SVOA	Yes	Yes
2005	LA-SMA-6.5	21-024(i)	Yes	RAD	RAD	Yes	Yes
2005	PJ-SMA-1	09-004(g)	No			NA	NA
2005	PJ-SMA-4	09-004(g)	No			NA	NA
2005	PJ-SMA-4	09-005(g)	No			NA	NA
2005	PJ-SMA-7	40-006(c)	No			NA	NA
2005	PJ-SMA-8	40-006(b)	No			NA	NA
2005	P-SMA-2	73-002	Yes	INORGANIC	Metals	Yes	Yes
2005	P-SMA-2	73-002	Yes	ORGANIC	Dioxins/Furans	Yes	Yes
2005	P-SMA-2	73-002	Yes	ORGANIC	PEST	Yes	Insufficient Data
2005	P-SMA-2	73-002	Yes	ORGANIC	SVOA	Yes	Yes
2005	P-SMA-2	73-006	No			NA	NA
2005	P-SMA-2.2	00-019	Yes	INORGANIC	Metals	Yes	Yes
2005	P-SMA-2.2	00-019	Yes	ORGANIC	PCB	Yes	Yes
2005	P-SMA-2.2	00-019	Yes	ORGANIC	PEST	Yes	Yes
2005	P-SMA-2.2	00-019	Yes	ORGANIC	PEST/PCB	Yes	Insufficient Data
2005	P-SMA-2.2	00-019	Yes	ORGANIC	SVOA	Yes	Yes
2005	P-SMA-2.2	00-019	Yes	ORGANIC	VOA	Yes	Yes

Table C-2. Site-Specific Storm Water Runoff Sampling, 2005
Summary of COPC Monitoring Suites

Monitoring Year Start	SMA ID	Site ID	Surface Soil Data Available?	Analytical Class	Analytical Suite	COPCs Identified?	Monitoring Suite?
2005	P-SMA-2.2	00-019	Yes	RAD	RAD	Yes	Yes
2005	P-SMA-3	00-018(a)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	PT-SMA-3	36-004(a)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	PT-SMA-3	36-004(a)	Yes	RAD	RAD	Yes	Insufficient Data
2005	PT-SMA-3	36-006	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	R-SMA-1	C-00-041	No			NA	NA
2005	S-SMA-3.5	20-003(c)	No			NA	NA
2005	tbd	18-003(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	tbd	18-003(c)	Yes	RAD	RAD	Yes	Insufficient Data
2005	tbd	18-010(d)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	tbd	18-010(d)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	tbd	18-010(f)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	tbd	18-012(a)	No			NA	NA
2005	tbd	18-012(b)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	tbd	18-012(b)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	W-SMA-1	16-026(c2)	No			NA	NA
2005	W-SMA-1	16-026(v)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-1	16-026(v)	Yes	ORGANIC	HEXP	Yes	Yes
2005	W-SMA-1	16-026(v)	Yes	ORGANIC	SVOA	Yes	Yes
2005	W-SMA-1	16-026(v)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	W-SMA-10	11-003(b)	No			NA	NA
2005	W-SMA-10	11-004(a)	No			NA	NA
2005	W-SMA-10	11-004(b)	No			NA	NA
2005	W-SMA-10	11-004(c)	No			NA	NA
2005	W-SMA-10	11-004(d)	No			NA	NA
2005	W-SMA-10	11-004(e)	No			NA	NA
2005	W-SMA-10	11-004(f)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-10	11-004(f)	Yes	ORGANIC	HEXP	Yes	Yes
2005	W-SMA-10	11-005(c)	No			NA	NA
2005	W-SMA-10	11-006(b)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	W-SMA-10	11-006(c)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	W-SMA-10	11-006(d)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	W-SMA-10	11-006(d)	Yes	ORGANIC	HEXP	Yes	Insufficient Data
2005	W-SMA-11	11-004(a)	No			NA	NA
2005	W-SMA-11	11-004(b)	No			NA	NA
2005	W-SMA-11	11-004(c)	No			NA	NA
2005	W-SMA-11	11-004(d)	No			NA	NA
2005	W-SMA-11	11-004(e)	No			NA	NA
2005	W-SMA-11	11-004(f)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-11	11-004(f)	Yes	ORGANIC	HEXP	Yes	Yes
2005	W-SMA-2	16-028(e)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-2	16-028(e)	Yes	ORGANIC	HEXP	Yes	Yes
2005	W-SMA-2	16-028(e)	Yes	ORGANIC	SVOA	Yes	Yes
2005	W-SMA-2	16-028(e)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	W-SMA-4	16-003(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-4	16-003(a)	Yes	ORGANIC	SVOA	Yes	Yes
2005	W-SMA-4	16-003(a)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	W-SMA-5	16-003(f)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	W-SMA-5	16-003(f)	Yes	ORGANIC	HEXP	Yes	Insufficient Data
2005	W-SMA-5	16-003(f)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	W-SMA-5	16-026(z)	No			NA	NA
2005	W-SMA-7	16-026(h2)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-7	16-026(h2)	Yes	ORGANIC	HEXP	Yes	Yes
2005	W-SMA-7	16-026(h2)	Yes	ORGANIC	SVOA	Yes	Yes
2005	W-SMA-8	16-006(c)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-8	16-006(c)	Yes	ORGANIC	SVOA	Yes	Yes
2005	W-SMA-8	16-006(c)	Yes	ORGANIC	VOA	Yes	Yes
2005	W-SMA-8	16-016(g)	No			NA	NA

Table C-2. Site-Specific Storm Water Runoff Sampling, 2005
Summary of COPC Monitoring Suites

Monitoring Year Start	SMA ID	Site ID	Surface Soil Data Available?	Analytical Class	Analytical Suite	COPCs Identified?	Monitoring Suite?
2005	W-SMA-8	16-026(a)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-8	16-026(a)	Yes	ORGANIC	SVOA	Yes	Yes
2005	W-SMA-8	16-026(a)	Yes	ORGANIC	VOA	Yes	Insufficient Data
2005	W-SMA-8	16-028(b)	Yes	INORGANIC	Metals	Yes	Insufficient Data
2005	W-SMA-8	16-028(b)	Yes	ORGANIC	HEXP	Yes	Insufficient Data
2005	W-SMA-8	16-028(b)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	W-SMA-9	16-030(g)	Yes	INORGANIC	Metals	Yes	Yes
2005	W-SMA-9	16-030(g)	Yes	ORGANIC	HEXP	Yes	Yes
2005	W-SMA-9	16-030(g)	Yes	ORGANIC	SVOA	Yes	Insufficient Data
2005	W-SMA-9	16-030(g)	Yes	ORGANIC	VOA	Yes	Insufficient Data

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
00-018(a)	INORGANIC	Metals	Mercury	1	1	100	1	100	0.14	0.14	0.14	mg/kg	Soil	0.1	mg/kg
00-019	INORGANIC	Metals	Antimony	50	31	62	7	14	1.42	0.08	21.70	mg/kg	Soil	0.83	mg/kg
00-019	INORGANIC	Metals	Arsenic	53	53	100	1	2	3.56	1.20	16.00	mg/kg	Soil	8.17	mg/kg
00-019	INORGANIC	Metals	Barium	53	53	100	8	15	180.27	19.00	1640.00	mg/kg	Soil	295	mg/kg
00-019	INORGANIC	Metals	Beryllium	53	49	92	3	6	1.40	0.23	31.30	mg/kg	Soil	1.83	mg/kg
00-019	INORGANIC	Metals	Cadmium	53	44	83	25	47	1.50	0.05	11.40	mg/kg	Soil	0.4	mg/kg
00-019	INORGANIC	Metals	Chromium	53	53	100	12	23	20.67	1.80	290.00	mg/kg	Soil	19.3	mg/kg
00-019	INORGANIC	Metals	Copper	53	53	100	25	47	59.15	1.80	457.00	mg/kg	Soil	14.7	mg/kg
00-019	INORGANIC	Metals	Iron	53	53	100	1	2	10312.45	4600.00	57000.00	mg/kg	Soil	21500	mg/kg
00-019	INORGANIC	Metals	Lead	53	53	100	36	68	94.66	7.30	1300.00	mg/kg	Soil	22.3	mg/kg
00-019	INORGANIC	Metals	Mercury	52	47	90	34	65	2.59	0.02	23.40	mg/kg	Soil	0.1	mg/kg
00-019	INORGANIC	Metals	Nickel	53	52	98	3	6	30.41	1.60	1200.00	mg/kg	Soil	15.4	mg/kg
00-019	INORGANIC	Metals	Selenium	46	17	37	3	7	0.90	0.06	3.40	mg/kg	Soil	1.52	mg/kg
00-019	INORGANIC	Metals	Silver	53	47	89	39	74	30.70	0.05	375.00	mg/kg	Soil	1	mg/kg
00-019	INORGANIC	Metals	Thallium	53	22	42	1	2	0.24	0.13	0.82	mg/kg	Soil	0.73	mg/kg
00-019	INORGANIC	Metals	Vanadium	53	53	100	4	8	18.64	4.10	94.60	mg/kg	Soil	39.6	mg/kg
00-019	INORGANIC	Metals	Zinc	53	53	100	35	66	181.30	21.00	2700.00	mg/kg	Soil	48.8	mg/kg
00-019	ORGANIC	PCB	Aroclor-1254	51	20	39	20	39	1.21	0.01	8.20	mg/kg	Soil		
00-019	ORGANIC	PCB	Aroclor-1260	52	25	48	25	48	0.65	0.01	3.30	mg/kg	Soil		
00-019	ORGANIC	PEST	BHC[delta-]	47	1	2	1	2	0.0006	0.0006	0.0006	mg/kg	Soil		
00-019	ORGANIC	PEST	BHC[gamma-]	47	1	2	1	2	0.12	0.12	0.12	mg/kg	Soil		
00-019	ORGANIC	PEST	Chlordane[alpha-]	47	20	43	20	43	0.02	0.00	0.11	mg/kg	Soil		
00-019	ORGANIC	PEST	Chlordane[gamma-]	48	21	44	21	44	0.02	0.00	0.12	mg/kg	Soil		
00-019	ORGANIC	PEST	DDD[4,4'-]	47	14	30	14	30	0.06	0.00	0.26	mg/kg	Soil		
00-019	ORGANIC	PEST	DDE[4,4'-]	47	23	49	23	49	0.01	0.00	0.06	mg/kg	Soil		
00-019	ORGANIC	PEST	DDT[4,4'-]	48	21	44	21	44	0.04	0.00	0.26	mg/kg	Soil		
00-019	ORGANIC	PEST	Endrin	47	1	2	1	2	0.03	0.03	0.03	mg/kg	Soil		
00-019	ORGANIC	PEST	Heptachlor Epoxide	47	3	6	3	6	0.02	0.00	0.03	mg/kg	Soil		
00-019	ORGANIC	PEST/PCB	Chlordane[alpha-]	4	1	25	1	25	0.03	0.03	0.03	mg/kg	Soil		
00-019	ORGANIC	PEST/PCB	Chlordane[gamma-]	4	2	50	2	50	0.02	0.00	0.04	mg/kg	Soil		
00-019	ORGANIC	PEST/PCB	DDD[4,4'-]	4	1	25	1	25	0.0045	0.0045	0.0045	mg/kg	Soil		
00-019	ORGANIC	PEST/PCB	DDT[4,4'-]	4	2	50	2	50	0.05	0.03	0.08	mg/kg	Soil		
00-019	ORGANIC	PEST/PCB	Endosulfan I	4	1	25	1	25	0.03	0.03	0.03	mg/kg	Soil		
00-019	ORGANIC	SVOA	Benzo(a)anthracene	37	5	14	5	14	0.35	0.25	0.43	mg/kg	Soil		
00-019	ORGANIC	SVOA	Benzo(a)pyrene	37	2	5	2	5	0.43	0.34	0.53	mg/kg	Soil		
00-019	ORGANIC	SVOA	Benzo(b)fluoranthene	37	10	27	10	27	0.32	0.05	1.30	mg/kg	Soil		
00-019	ORGANIC	SVOA	Benzo(g,h,i)perylene	37	1	3	1	3	0.05	0.05	0.05	mg/kg	Soil		
00-019	ORGANIC	SVOA	Benzoic Acid	37	6	16	6	16	0.32	0.11	0.49	mg/kg	Soil		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
00-019	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	37	5	14	5	14	0.30	0.05	0.59	mg/kg	Soil		
00-019	ORGANIC	SVOA	Butylbenzylphthalate	37	1	3	1	3	0.26	0.26	0.26	mg/kg	Soil		
00-019	ORGANIC	SVOA	Chrysene	37	7	19	7	19	0.26	0.13	0.32	mg/kg	Soil		
00-019	ORGANIC	SVOA	Fluoranthene	37	5	14	5	14	0.55	0.08	2.00	mg/kg	Soil		
00-019	ORGANIC	SVOA	Phenanthrene	37	2	5	2	5	0.17	0.08	0.25	mg/kg	Soil		
00-019	ORGANIC	SVOA	Pyrene	37	10	27	10	27	0.54	0.04	2.50	mg/kg	Soil		
00-019	ORGANIC	VOA	Bromomethane	9	1	11	1	11	0.0020	0.0020	0.0020	mg/kg	Soil		
00-019	ORGANIC	VOA	Butylbenzene[n-]	9	1	11	1	11	0.0003	0.0003	0.0003	mg/kg	Soil		
00-019	ORGANIC	VOA	Chloromethane	9	1	11	1	11	0.01	0.01	0.01	mg/kg	Soil		
00-019	ORGANIC	VOA	Toluene	9	3	33	3	33	0.0038	0.0003	0.0070	mg/kg	Soil		
00-019	ORGANIC	VOA	Trimethylbenzene[1,2,4-]	9	1	11	1	11	0.0007	0.0007	0.0007	mg/kg	Soil		
00-019	ORGANIC	VOA	Trimethylbenzene[1,3,5-]	9	1	11	1	11	0.0003	0.0003	0.0003	mg/kg	Soil		
00-019	RAD	RAD	Cesium-134	26	3	12	3	12	0.12	0.10	0.15	pCi/g	Soil		
00-019	RAD	RAD	Cobalt-60	26	2	8	2	8	0.15	0.12	0.18	pCi/g	Soil		
00-019	RAD	RAD	Plutonium-239	45	25	56	24	53	1.33	0.05	4.38	pCi/g	Soil	0.054	pCi/g
00-019	RAD	RAD	Ruthenium-106	26	1	4	1	4	4.60	4.60	4.60	pCi/g	Soil		
00-019	RAD	RAD	Uranium-234	45	45	100	17	38	10.99	0.54	98.10	pCi/g	Soil	2.59	pCi/g
00-019	RAD	RAD	Uranium-235	49	32	65	16	33	0.69	0.03	3.95	pCi/g	Soil	0.2	pCi/g
00-019	RAD	RAD	Uranium-238	45	44	98	16	36	4.90	0.65	42.80	pCi/g	Soil	2.29	pCi/g
00-030(g)	INORGANIC	Metals	Aluminum	13	13	100	1	8	6253.08	1400.00	17300.00	mg/kg	Sediment	15400	mg/kg
00-030(g)	INORGANIC	Metals	Antimony	15	10	67	6	40	0.92	0.16	1.60	mg/kg	Sediment	0.83	mg/kg
00-030(g)	INORGANIC	Metals	Arsenic	15	15	100	4	27	3.08	1.20	5.80	mg/kg	Sediment	3.98	mg/kg
00-030(g)	INORGANIC	Metals	Barium	15	15	100	4	27	79.96	23.00	200.00	mg/kg	Sediment	127	mg/kg
00-030(g)	INORGANIC	Metals	Beryllium	15	15	100	1	7	0.64	0.24	1.40	mg/kg	Sediment	1.31	mg/kg
00-030(g)	INORGANIC	Metals	Cadmium	15	7	47	2	13	0.28	0.02	0.84	mg/kg	Sediment	0.4	mg/kg
00-030(g)	INORGANIC	Metals	Chromium	15	15	100	5	33	7.63	2.60	19.00	mg/kg	Sediment	10.5	mg/kg
00-030(g)	INORGANIC	Metals	Cobalt	13	13	100	5	38	3.90	1.30	7.70	mg/kg	Sediment	4.73	mg/kg
00-030(g)	INORGANIC	Metals	Copper	13	13	100	6	46	12.21	2.60	37.50	mg/kg	Sediment	11.2	mg/kg
00-030(g)	INORGANIC	Metals	Iron	13	13	100	2	15	10656.92	5520.00	20900.00	mg/kg	Sediment	13800	mg/kg
00-030(g)	INORGANIC	Metals	Lead	15	15	100	12	80	56.54	11.00	116.00	mg/kg	Sediment	19.7	mg/kg
00-030(g)	INORGANIC	Metals	Manganese	13	13	100	1	8	321.94	88.20	693.00	mg/kg	Sediment	543	mg/kg
00-030(g)	INORGANIC	Metals	Mercury	15	13	87	6	40	0.27	0.02	1.30	mg/kg	Sediment	0.1	mg/kg
00-030(g)	INORGANIC	Metals	Nickel	15	15	100	1	7	5.05	1.80	9.40	mg/kg	Sediment	9.38	mg/kg
00-030(g)	INORGANIC	Metals	Selenium	15	14	93	11	73	0.59	0.22	1.10	mg/kg	Sediment	0.3	mg/kg
00-030(g)	INORGANIC	Metals	Silver	15	4	27	1	7	1.07	0.30	2.90	mg/kg	Sediment	1	mg/kg
00-030(g)	INORGANIC	Metals	Uranium	11	11	100	5	45	2.95	1.42	6.82	mg/kg	Sediment	2.22	mg/kg
00-030(g)	INORGANIC	Metals	Vanadium	13	13	100	3	23	14.65	6.40	33.00	mg/kg	Sediment	19.7	mg/kg
00-030(g)	INORGANIC	Metals	Zinc	13	13	100	9	69	78.83	30.70	152.00	mg/kg	Sediment	60.2	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
00-030(g)	ORGANIC	PCB	Aroclor-1254	26	12	46	12	46	0.44	0.08	0.83	mg/kg	Sediment		
00-030(g)	ORGANIC	PCB	Aroclor-1260	26	5	19	5	19	0.19	0.02	0.71	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Chlordane[alpha-]	15	7	47	7	47	0.01	0.00	0.03	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Chlordane[gamma-]	15	6	40	6	40	0.01	0.00	0.02	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	DDD[4,4'-]	15	4	27	4	27	0.04	0.00	0.11	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	DDE[4,4'-]	15	5	33	5	33	0.01	0.00	0.02	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	DDT[4,4'-]	15	13	87	13	87	0.06	0.01	0.27	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Dieldrin	15	2	13	2	13	0.03	0.01	0.04	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Endosulfan I	15	1	7	1	7	0.01	0.01	0.01	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Endosulfan II	15	2	13	2	13	0.01	0.01	0.02	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Endrin Aldehyde	15	1	7	1	7	0.01	0.01	0.01	mg/kg	Sediment		
00-030(g)	ORGANIC	PEST	Endrin Ketone	15	2	13	2	13	0.01	0.01	0.01	mg/kg	Sediment		
00-030(g)	ORGANIC	VOA	Acetone	2	1	50	1	50	0.02	0.02	0.02	mg/kg	Sediment		
00-030(g)	RAD	RAD	Americium-241	20	15	75	15	75	2.05	0.15	7.58	pCi/g	Sediment	0.04	pCi/g
00-030(g)	RAD	RAD	Plutonium-238	24	15	63	15	63	0.18	0.03	0.64	pCi/g	Sediment	0.006	pCi/g
00-030(g)	RAD	RAD	Plutonium-239	24	21	88	21	88	15.50	0.10	82.50	pCi/g	Sediment	0.068	pCi/g
00-030(g)	RAD	RAD	Uranium-234	13	13	100	4	31	4.00	0.50	20.00	pCi/g	Sediment	2.59	pCi/g
00-030(g)	RAD	RAD	Uranium-235	13	6	46	3	23	0.37	0.14	0.83	pCi/g	Sediment	0.2	pCi/g
00-030(g)	RAD	RAD	Uranium-238	13	13	100	4	31	2.50	0.38	9.91	pCi/g	Sediment	2.29	pCi/g
00-030(i)	INORGANIC	Metals	Cadmium	5	3	60	1	20	0.34	0.19	0.59	mg/kg	Sediment	0.4	mg/kg
00-030(i)	INORGANIC	Metals	Chromium	5	5	100	1	20	8.52	4.40	16.40	mg/kg	Sediment	10.5	mg/kg
00-030(i)	INORGANIC	Metals	Copper	5	5	100	1	20	6.12	3.20	11.60	mg/kg	Sediment	11.2	mg/kg
00-030(i)	INORGANIC	Metals	Lead	4	4	100	2	50	207.52	6.10	520.00	mg/kg	Soil	22.3	mg/kg
00-030(i)	INORGANIC	Metals	Lead	5	5	100	5	100	56.84	28.90	83.20	mg/kg	Sediment	19.7	mg/kg
00-030(i)	INORGANIC	Metals	Silver	4	4	100	1	25	0.88	0.64	1.22	mg/kg	Soil	1	mg/kg
00-030(i)	INORGANIC	Metals	Silver	5	3	60	1	20	0.88	0.66	1.20	mg/kg	Sediment	1	mg/kg
00-030(i)	INORGANIC	Metals	Thallium	5	3	60	1	20	0.40	0.12	0.93	mg/kg	Sediment	0.73	mg/kg
00-030(i)	INORGANIC	Metals	Uranium	1	1	100	1	100	2.47	2.47	2.47	mg/kg	Sediment	2.22	mg/kg
00-030(i)	INORGANIC	Metals	Zinc	4	4	100	2	50	56.25	36.00	92.00	mg/kg	Soil	48.8	mg/kg
00-030(i)	INORGANIC	Metals	Zinc	5	5	100	3	60	70.84	47.60	122.00	mg/kg	Sediment	60.2	mg/kg
00-030(i)	ORGANIC	PEST	Chlordane[alpha-]	3	1	33	1	33	0.0015	0.0015	0.0015	mg/kg	Sediment		
00-030(i)	ORGANIC	PEST	Chlordane[gamma-]	3	2	67	2	67	0.0012	0.0006	0.0018	mg/kg	Sediment		
00-030(i)	ORGANIC	PEST	DDD[4,4'-]	3	1	33	1	33	0.0011	0.0011	0.0011	mg/kg	Sediment		
00-030(i)	ORGANIC	PEST	DDT[4,4'-]	3	1	33	1	33	0.01	0.01	0.01	mg/kg	Sediment		
00-030(i)	ORGANIC	PEST	Dieldrin	3	1	33	1	33	0.0021	0.0021	0.0021	mg/kg	Sediment		
00-030(i)	ORGANIC	PEST/PCB	DDD[4,4'-]	4	3	75	3	75	0.32	0.00	0.87	mg/kg	Soil		
00-030(i)	ORGANIC	PEST/PCB	DDE[4,4'-]	4	1	25	1	25	0.01	0.01	0.01	mg/kg	Soil		
00-030(i)	ORGANIC	PEST/PCB	DDT[4,4'-]	4	2	50	2	50	0.06	0.04	0.08	mg/kg	Soil		

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00-030(i)	ORGANIC	PEST/PCB	Endrin Aldehyde	2	1	50	1	50	0.01	0.01	0.01	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Benzo(a)anthracene	5	2	40	2	40	0.12	0.09	0.15	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Benzo(a)pyrene	5	2	40	2	40	0.07	0.05	0.10	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Benzo(b)fluoranthene	5	3	60	3	60	0.12	0.05	0.21	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Benzo(g,h,i)perylene	5	2	40	2	40	0.08	0.05	0.11	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Benzo(k)fluoranthene	5	3	60	3	60	0.11	0.04	0.19	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Benzoic Acid	1	1	100	1	100	0.29	0.29	0.29	mg/kg	Soil		
00-030(i)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	5	2	40	2	40	0.31	0.28	0.34	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Chrysene	5	3	60	3	60	0.12	0.05	0.20	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Dibenz(a,h)anthracene	5	1	20	1	20	0.04	0.04	0.04	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Fluoranthene	5	3	60	3	60	0.17	0.07	0.27	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	5	1	20	1	20	0.09	0.09	0.09	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Phenanthrene	5	2	40	2	40	0.10	0.05	0.14	mg/kg	Sediment		
00-030(i)	ORGANIC	SVOA	Pyrene	5	3	60	3	60	0.21	0.09	0.34	mg/kg	Sediment		
00-030(i)	ORGANIC	VOA	Acetone	4	1	25	1	25	0.14	0.14	0.14	mg/kg	Soil		
00-030(i)	ORGANIC	VOA	Dibromoethane[1,2-]	4	1	25	1	25	0.0003	0.0003	0.0003	mg/kg	Soil		
00-030(i)	ORGANIC	VOA	Isopropyltoluene[4-]	4	2	50	2	50	0.0016	0.0012	0.0019	mg/kg	Soil		
00-030(i)	ORGANIC	VOA	Toluene	4	2	50	2	50	0.0010	0.0009	0.0011	mg/kg	Soil		
00-030(i)	ORGANIC	VOA	Trichloroethane[1,1,1-]	2	1	50	1	50	0.01	0.01	0.01	mg/kg	Sediment		
01-001(f)	INORGANIC	Metals	Antimony	36	14	39	5	14	10.50	0.12	99.00	mg/kg	Sediment	0.83	mg/kg
01-001(f)	INORGANIC	Metals	Antimony	141	17	12	17	12	21.92	0.90	114.00	mg/kg	Soil	0.83	mg/kg
01-001(f)	INORGANIC	Metals	Barium	30	30	100	11	37	124.56	14.00	418.00	mg/kg	Sediment	127	mg/kg
01-001(f)	INORGANIC	Metals	Beryllium	30	15	50	10	33	2.20	0.62	3.70	mg/kg	Sediment	1.31	mg/kg
01-001(f)	INORGANIC	Metals	Beryllium	131	70	53	12	9	1.09	0.23	4.30	mg/kg	Soil	1.83	mg/kg
01-001(f)	INORGANIC	Metals	Cadmium	30	11	37	7	23	0.99	0.14	4.10	mg/kg	Sediment	0.4	mg/kg
01-001(f)	INORGANIC	Metals	Cadmium	131	10	8	10	8	0.68	0.54	1.20	mg/kg	Soil	0.4	mg/kg
01-001(f)	INORGANIC	Metals	Chromium	36	36	100	7	19	7.09	0.94	28.20	mg/kg	Sediment	10.5	mg/kg
01-001(f)	INORGANIC	Metals	Chromium	141	113	80	3	2	6.00	1.10	82.80	mg/kg	Soil	19.3	mg/kg
01-001(f)	INORGANIC	Metals	Lead	36	35	97	27	75	44.78	1.87	185.00	mg/kg	Sediment	19.7	mg/kg
01-001(f)	INORGANIC	Metals	Lead	141	131	93	48	34	26.26	4.00	353.00	mg/kg	Soil	22.3	mg/kg
01-001(f)	INORGANIC	Metals	Mercury	36	27	75	6	17	0.62	0.00	10.60	mg/kg	Sediment	0.1	mg/kg
01-001(f)	INORGANIC	Metals	Mercury	138	70	51	44	32	0.16	0.00	1.20	mg/kg	Soil	0.1	mg/kg
01-001(f)	INORGANIC	Metals	Nickel	30	19	63	6	20	11.51	2.00	39.00	mg/kg	Sediment	9.38	mg/kg
01-001(f)	INORGANIC	Metals	Selenium	30	7	23	6	20	39.28	0.23	65.30	mg/kg	Sediment	0.3	mg/kg
01-001(f)	INORGANIC	Metals	Selenium	129	44	34	9	7	9.15	0.20	57.00	mg/kg	Soil	1.52	mg/kg
01-001(f)	INORGANIC	Metals	Silver	30	4	13	3	10	5.28	1.00	13.60	mg/kg	Sediment	1	mg/kg
01-001(f)	INORGANIC	Metals	Silver	131	5	4	5	4	3.14	1.30	8.60	mg/kg	Soil	1	mg/kg
01-001(f)	INORGANIC	Metals	Thallium	36	1	3	1	3	23.90	23.90	23.90	mg/kg	Sediment	0.73	mg/kg

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01-001(f)	INORGANIC	Metals	Thallium	141	20	14	8	6	22.16	0.20	169.00	mg/kg	Soil	0.73	mg/kg
01-001(f)	INORGANIC	Metals	Uranium	12	12	100	12	100	220.55	4.10	727.00	mg/kg	Sediment	2.22	mg/kg
01-001(f)	INORGANIC	Metals	Uranium	56	34	61	33	59	62.59	1.60	849.00	mg/kg	Soil	1.82	mg/kg
01-001(f)	ORGANIC	SVOA	Acenaphthene	104	6	6	6	6	1.95	0.61	4.60	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Aniline	104	1	1	1	1	0.40	0.40	0.40	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Anthracene	29	3	10	3	10	1.07	0.61	1.90	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Anthracene	104	5	5	5	5	4.94	1.20	12.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Benzo(a)anthracene	29	4	14	4	14	2.32	0.38	4.50	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Benzo(a)anthracene	104	7	7	7	7	6.92	0.51	23.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Benzo(a)pyrene	29	2	7	2	7	1.30	0.40	2.20	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Benzo(a)pyrene	104	6	6	6	6	5.81	0.88	16.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Benzo(b)fluoranthene	29	10	34	10	34	1.94	0.34	6.50	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Benzo(b)fluoranthene	104	9	9	9	9	4.50	0.36	17.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Benzo(g,h,i)perylene	29	1	3	1	3	0.84	0.84	0.84	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Benzo(g,h,i)perylene	104	6	6	6	6	2.37	0.44	6.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Benzo(k)fluoranthene	29	3	10	3	10	1.97	1.40	2.90	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Benzo(k)fluoranthene	104	6	6	6	6	3.44	0.94	9.70	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	29	2	7	2	7	0.44	0.38	0.49	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	104	1	1	1	1	0.41	0.41	0.41	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Butylbenzylphthalate	104	1	1	1	1	1.50	1.50	1.50	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Chrysene	29	5	17	5	17	3.39	0.35	8.90	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Chrysene	104	9	9	9	9	4.82	0.49	18.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Dibenz(a,h)anthracene	104	2	2	2	2	2.95	1.60	4.30	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Dibenzofuran	104	3	3	3	3	1.67	0.52	2.50	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Diethylphthalate	29	1	3	1	3	0.61	0.61	0.61	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Fluoranthene	29	11	38	11	38	2.15	0.39	7.90	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Fluoranthene	104	9	9	9	9	10.58	0.38	41.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Fluorene	104	5	5	5	5	2.17	0.61	4.70	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	29	1	3	1	3	0.90	0.90	0.90	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	104	6	6	6	6	2.27	0.42	5.70	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Methylnaphthalene[2-]	104	2	2	2	2	1.10	1.00	1.20	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Naphthalene	104	3	3	3	3	1.86	0.57	2.70	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Phenanthrene	29	7	24	7	24	3.21	0.50	10.00	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Phenanthrene	104	8	8	8	8	10.56	0.42	39.00	mg/kg	Soil		
01-001(f)	ORGANIC	SVOA	Pyrene	29	10	34	10	34	3.85	0.50	16.50	mg/kg	Sediment		
01-001(f)	ORGANIC	SVOA	Pyrene	104	12	12	12	12	7.91	0.38	39.00	mg/kg	Soil		
01-001(f)	RAD	RAD	Plutonium-238	30	19	63	17	57	0.06	0.00	0.30	pCi/g	Sediment	0.006	pCi/g
01-001(f)	RAD	RAD	Plutonium-238	116	23	20	16	14	0.05	0.01	0.17	pCi/g	Soil	0.023	pCi/g

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01-001(f)	RAD	RAD	Plutonium-239	30	30	100	30	100	4.15	0.17	24.20	pCi/g	Sediment	0.068	pCi/g
01-001(f)	RAD	RAD	Plutonium-239	119	79	66	77	65	3.87	0.03	33.40	pCi/g	Soil	0.054	pCi/g
01-001(f)	RAD	RAD	Uranium-234	24	24	100	12	50	10.75	0.90	62.37	pCi/g	Sediment	2.59	pCi/g
01-001(f)	RAD	RAD	Uranium-234	80	80	100	19	24	2.77	0.41	26.76	pCi/g	Soil	2.59	pCi/g
01-001(f)	RAD	RAD	Uranium-235	22	18	82	8	36	0.48	0.04	2.61	pCi/g	Sediment	0.2	pCi/g
01-001(f)	RAD	RAD	Uranium-235	80	32	40	9	11	0.22	0.03	1.33	pCi/g	Soil	0.2	pCi/g
01-001(f)	RAD	RAD	Uranium-238	24	24	100	13	54	8.49	0.87	38.68	pCi/g	Sediment	2.29	pCi/g
01-001(f)	RAD	RAD	Uranium-238	80	80	100	18	23	2.88	0.40	29.44	pCi/g	Soil	2.29	pCi/g
01-003(d)	INORGANIC	Metals	Antimony	5	3	60	3	60	63.60	50.20	90.20	mg/kg	Soil	0.83	mg/kg
01-003(d)	INORGANIC	Metals	Barium	5	5	100	1	20	149.46	19.80	338.00	mg/kg	Soil	295	mg/kg
01-003(d)	INORGANIC	Metals	Lead	5	4	80	3	60	60.28	16.50	119.00	mg/kg	Soil	22.3	mg/kg
01-003(d)	INORGANIC	Metals	Mercury	5	5	100	1	20	0.12	0.10	0.20	mg/kg	Soil	0.1	mg/kg
01-003(d)	INORGANIC	Metals	Uranium	5	3	60	3	60	5.53	3.80	7.20	mg/kg	Soil	1.82	mg/kg
01-003(d)	RAD	RAD	Plutonium-239	5	1	20	1	20	0.68	0.68	0.68	pCi/g	Soil	0.054	pCi/g
02-003(a)	INORGANIC	Metals	Barium	10	10	100	1	10	170.90	44.00	890.00	mg/kg	Soil	295	mg/kg
02-003(a)	INORGANIC	Metals	Cadmium	10	4	40	2	20	0.36	0.02	0.76	mg/kg	Soil	0.4	mg/kg
02-003(a)	INORGANIC	Metals	Copper	10	10	100	1	10	11.30	1.60	77.00	mg/kg	Soil	14.7	mg/kg
02-003(a)	INORGANIC	Metals	Lead	10	10	100	1	10	14.98	4.59	76.00	mg/kg	Soil	22.3	mg/kg
02-003(a)	INORGANIC	Metals	Mercury	10	9	90	2	20	0.30	0.03	1.90	mg/kg	Soil	0.1	mg/kg
02-003(a)	RAD	RAD	Cesium-137	6	5	83	1	17	1.24	0.14	4.45	pCi/g	Soil	1.65	pCi/g
02-003(a)	RAD	RAD	Cobalt-60	5	1	20	1	20	0.36	0.36	0.36	pCi/g	Soil		
02-003(a)	RAD	RAD	Plutonium-239	10	5	50	2	20	0.05	0.01	0.11	pCi/g	Soil	0.054	pCi/g
02-003(e)	RAD	RAD	Americium-241	2	1	50	1	50	0.05	0.05	0.05	pCi/g	Soil	0.013	pCi/g
02-003(e)	RAD	RAD	Cobalt-60	2	1	50	1	50	0.05	0.05	0.05	pCi/g	Soil		
02-006(b)	INORGANIC	Metals	Chromium	3	3	100	1	33	23.23	9.30	51.00	mg/kg	Sediment	10.5	mg/kg
02-006(b)	INORGANIC	Metals	Copper	3	3	100	1	33	18.10	9.60	35.00	mg/kg	Sediment	11.2	mg/kg
02-006(b)	INORGANIC	Metals	Lead	3	3	100	3	100	56.33	28.00	110.00	mg/kg	Sediment	19.7	mg/kg
02-006(b)	INORGANIC	Metals	Mercury	3	3	100	3	100	1.79	0.54	4.00	mg/kg	Sediment	0.1	mg/kg
02-006(b)	INORGANIC	Metals	Selenium	3	2	67	2	67	0.47	0.40	0.53	mg/kg	Sediment	0.3	mg/kg
02-006(b)	INORGANIC	Metals	Silver	3	2	67	1	33	1.35	1.00	1.70	mg/kg	Sediment	1	mg/kg
02-006(b)	INORGANIC	Metals	Zinc	3	3	100	3	100	196.67	110.00	340.00	mg/kg	Sediment	60.2	mg/kg
02-006(b)	ORGANIC	PCB	Aroclor-1260	2	2	100	2	100	0.78	0.56	1.00	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Benzo(a)anthracene	3	1	33	1	33	0.21	0.21	0.21	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Benzo(a)pyrene	3	1	33	1	33	0.23	0.23	0.23	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Benzo(b)fluoranthene	3	2	67	2	67	0.16	0.12	0.20	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Benzo(g,h,i)perylene	3	1	33	1	33	0.19	0.19	0.19	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	3	2	67	2	67	0.16	0.12	0.21	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	3	1	33	1	33	2.70	2.70	2.70	mg/kg	Sediment		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
02-006(b)	ORGANIC	SVOA	Chrysene	3	2	67	2	67	0.22	0.15	0.29	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Diethylphthalate	3	1	33	1	33	0.37	0.37	0.37	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Fluoranthene	3	3	100	3	100	0.39	0.21	0.49	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	3	1	33	1	33	0.16	0.16	0.16	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Phenanthrene	3	1	33	1	33	0.26	0.26	0.26	mg/kg	Sediment		
02-006(b)	ORGANIC	SVOA	Pyrene	3	3	100	3	100	0.35	0.20	0.45	mg/kg	Sediment		
02-006(b)	RAD	RAD	Cesium-137	3	3	100	1	33	1.29	0.23	3.15	pCi/g	Sediment	0.9	pCi/g
02-006(b)	RAD	RAD	Plutonium-239	3	2	67	2	67	2.01	1.91	2.11	pCi/g	Sediment	0.068	pCi/g
02-006(b)	RAD	RAD	Uranium-234	2	2	100	2	100	10.44	7.87	13.01	pCi/g	Sediment	2.59	pCi/g
02-006(b)	RAD	RAD	Uranium-235	3	2	67	2	67	0.36	0.28	0.45	pCi/g	Sediment	0.2	pCi/g
02-007	INORGANIC	Metals	Mercury	3	2	67	1	33	0.17	0.06	0.27	mg/kg	Soil	0.1	mg/kg
02-008(a)	INORGANIC	Metals	Arsenic	1	1	100	1	100	5.00	5.00	5.00	mg/kg	Sediment	3.98	mg/kg
02-008(a)	INORGANIC	Metals	Chromium	1	1	100	1	100	77.00	77.00	77.00	mg/kg	Sediment	10.5	mg/kg
02-008(a)	INORGANIC	Metals	Copper	1	1	100	1	100	18.00	18.00	18.00	mg/kg	Sediment	11.2	mg/kg
02-008(a)	INORGANIC	Metals	Lead	1	1	100	1	100	26.20	26.20	26.20	mg/kg	Sediment	19.7	mg/kg
02-008(a)	INORGANIC	Metals	Zinc	1	1	100	1	100	100.00	100.00	100.00	mg/kg	Sediment	60.2	mg/kg
02-008(a)	ORGANIC	PCB	Aroclor-1260	1	1	100	1	100	0.23	0.23	0.23	mg/kg	Sediment		
02-008(a)	RAD	RAD	Plutonium-239	1	1	100	1	100	0.77	0.77	0.77	pCi/g	Sediment	0.068	pCi/g
02-008(a)	RAD	RAD	Uranium-234	1	1	100	1	100	2.76	2.76	2.76	pCi/g	Sediment	2.59	pCi/g
02-009(a)	INORGANIC	Metals	Cadmium	3	2	67	1	33	0.34	0.13	0.56	mg/kg	Sediment	0.4	mg/kg
02-009(a)	INORGANIC	Metals	Selenium	3	3	100	3	100	0.37	0.32	0.40	mg/kg	Sediment	0.3	mg/kg
02-009(a)	INORGANIC	Metals	Silver	3	1	33	1	33	1.20	1.20	1.20	mg/kg	Sediment	1	mg/kg
02-009(a)	INORGANIC	Metals	Zinc	8	8	100	4	50	60.13	31.00	120.00	mg/kg	Soil	48.8	mg/kg
02-009(a)	RAD	RAD	Cesium-137	2	2	100	1	50	4.11	0.60	7.61	pCi/g	Sediment	0.9	pCi/g
02-009(a)	RAD	RAD	Cesium-137	7	7	100	4	57	4.95	1.30	16.58	pCi/g	Soil	1.65	pCi/g
02-009(a)	RAD	RAD	Plutonium-239	3	3	100	1	33	0.17	0.05	0.39	pCi/g	Sediment	0.068	pCi/g
02-009(a)	RAD	RAD	Plutonium-239	8	3	38	1	13	0.04	0.03	0.06	pCi/g	Soil	0.054	pCi/g
02-009(a)	RAD	RAD	Strontium-90	8	5	63	1	13	0.83	0.16	2.38	pCi/g	Soil	1.31	pCi/g
02-009(b)	INORGANIC	Metals	Cadmium	12	4	33	2	17	0.47	0.04	0.87	mg/kg	Soil	0.4	mg/kg
02-009(b)	INORGANIC	Metals	Uranium	12	12	100	1	8	1.24	0.58	2.00	mg/kg	Soil	1.82	mg/kg
02-009(b)	INORGANIC	Metals	Zinc	12	12	100	3	25	45.00	25.00	100.00	mg/kg	Soil	48.8	mg/kg
02-009(b)	RAD	RAD	Cesium-137	12	12	100	6	50	6.95	0.32	22.76	pCi/g	Soil	1.65	pCi/g
02-009(b)	RAD	RAD	Plutonium-239	12	11	92	6	50	0.28	0.02	0.75	pCi/g	Soil	0.054	pCi/g
02-009(b)	RAD	RAD	Strontium-90	12	7	58	6	50	4.42	0.32	12.10	pCi/g	Soil	1.31	pCi/g
02-009(c)	INORGANIC	Metals	Cadmium	7	1	14	1	14	1.00	1.00	1.00	mg/kg	Soil	0.4	mg/kg
02-009(c)	INORGANIC	Metals	Chromium	3	3	100	1	33	6.13	2.60	12.00	mg/kg	Sediment	10.5	mg/kg
02-009(c)	INORGANIC	Metals	Selenium	3	1	33	1	33	0.45	0.45	0.45	mg/kg	Sediment	0.3	mg/kg
02-009(c)	INORGANIC	Metals	Uranium	3	2	67	1	33	1.77	0.94	2.60	mg/kg	Sediment	2.22	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
02-009(c)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	2	1	50	1	50	0.05	0.05	0.05	mg/kg	Sediment		
02-009(c)	ORGANIC	SVOA	Methylnaphthalene[2-]	2	1	50	1	50	0.26	0.26	0.26	mg/kg	Sediment		
02-009(c)	ORGANIC	SVOA	Naphthalene	2	1	50	1	50	0.18	0.18	0.18	mg/kg	Sediment		
02-009(c)	RAD	RAD	Cesium-137	3	3	100	2	67	3.00	0.46	5.73	pCi/g	Sediment	0.9	pCi/g
02-009(c)	RAD	RAD	Plutonium-239	3	3	100	2	67	0.55	0.04	1.36	pCi/g	Sediment	0.068	pCi/g
02-009(c)	RAD	RAD	Plutonium-239	7	3	43	1	14	0.09	0.01	0.23	pCi/g	Soil	0.054	pCi/g
02-011(a)	INORGANIC	Metals	Cadmium	5	1	20	1	20	0.53	0.53	0.53	mg/kg	Soil	0.4	mg/kg
02-011(a)	INORGANIC	Metals	Cadmium	8	6	75	2	25	0.26	0.05	0.63	mg/kg	Sediment	0.4	mg/kg
02-011(a)	INORGANIC	Metals	Chromium	8	8	100	5	63	11.19	5.60	16.00	mg/kg	Sediment	10.5	mg/kg
02-011(a)	INORGANIC	Metals	Copper	8	8	100	3	38	10.17	4.90	17.00	mg/kg	Sediment	11.2	mg/kg
02-011(a)	INORGANIC	Metals	Lead	5	5	100	2	40	16.92	10.50	25.20	mg/kg	Soil	22.3	mg/kg
02-011(a)	INORGANIC	Metals	Lead	8	8	100	4	50	28.17	5.20	66.20	mg/kg	Sediment	19.7	mg/kg
02-011(a)	INORGANIC	Metals	Mercury	5	2	40	2	40	4.47	0.14	8.80	mg/kg	Soil	0.1	mg/kg
02-011(a)	INORGANIC	Metals	Mercury	8	8	100	7	88	0.58	0.03	2.20	mg/kg	Sediment	0.1	mg/kg
02-011(a)	INORGANIC	Metals	Selenium	8	8	100	1	13	0.30	0.20	0.57	mg/kg	Sediment	0.3	mg/kg
02-011(a)	INORGANIC	Metals	Silver	8	5	63	3	38	1.11	0.66	1.80	mg/kg	Sediment	1	mg/kg
02-011(a)	INORGANIC	Metals	Vanadium	8	8	100	1	13	9.03	5.70	21.00	mg/kg	Sediment	19.7	mg/kg
02-011(a)	INORGANIC	Metals	Zinc	5	5	100	2	40	42.94	27.00	63.20	mg/kg	Soil	48.8	mg/kg
02-011(a)	INORGANIC	Metals	Zinc	8	8	100	4	50	113.51	34.00	390.00	mg/kg	Sediment	60.2	mg/kg
02-011(a)	ORGANIC	SVOA	Fluoranthene	2	1	50	1	50	0.11	0.11	0.11	mg/kg	Sediment		
02-011(a)	ORGANIC	SVOA	Pyrene	2	1	50	1	50	0.10	0.10	0.10	mg/kg	Sediment		
02-011(a)	RAD	RAD	Cobalt-60	5	1	20	1	20	1.19	1.19	1.19	pCi/g	Soil		
02-011(a)	RAD	RAD	Cobalt-60	8	2	25	2	25	0.49	0.38	0.60	pCi/g	Sediment		
02-011(a)	RAD	RAD	Plutonium-239	5	5	100	2	40	0.06	0.01	0.12	pCi/g	Soil	0.054	pCi/g
02-011(a)	RAD	RAD	Plutonium-239	8	8	100	8	100	0.88	0.18	1.87	pCi/g	Sediment	0.068	pCi/g
03-010(a)	INORGANIC	Metals	Arsenic	5	5	100	2	40	8.77	2.57	18.80	mg/kg	Sediment	3.98	mg/kg
03-010(a)	INORGANIC	Metals	Beryllium	10	10	100	4	40	1.15	0.31	2.30	mg/kg	Sediment	1.31	mg/kg
03-010(a)	INORGANIC	Metals	Cadmium	5	2	40	2	40	0.60	0.60	0.60	mg/kg	Sediment	0.4	mg/kg
03-010(a)	INORGANIC	Metals	Chromium	5	5	100	2	40	9.32	4.70	17.00	mg/kg	Sediment	10.5	mg/kg
03-010(a)	INORGANIC	Metals	Copper	5	5	100	3	60	15.84	2.90	34.00	mg/kg	Sediment	11.2	mg/kg
03-010(a)	INORGANIC	Metals	Lead	5	5	100	5	100	107.40	21.00	250.00	mg/kg	Sediment	19.7	mg/kg
03-010(a)	INORGANIC	Metals	Mercury	5	5	100	4	80	0.30	0.06	0.70	mg/kg	Sediment	0.1	mg/kg
03-010(a)	INORGANIC	Metals	Mercury	10	10	100	7	70	1.34	0.07	10.00	mg/kg	Soil	0.1	mg/kg
03-010(a)	INORGANIC	Metals	Nickel	5	3	60	1	20	6.47	1.40	13.00	mg/kg	Sediment	9.38	mg/kg
03-010(a)	INORGANIC	Metals	Selenium	5	3	60	3	60	0.57	0.31	0.71	mg/kg	Sediment	0.3	mg/kg
03-010(a)	INORGANIC	Metals	Uranium	5	5	100	4	80	2.94	1.80	3.70	mg/kg	Sediment	2.22	mg/kg
03-010(a)	INORGANIC	Metals	Vanadium	5	5	100	1	20	17.80	15.00	23.00	mg/kg	Sediment	19.7	mg/kg
03-010(a)	INORGANIC	Metals	Zinc	5	5	100	3	60	94.80	42.00	170.00	mg/kg	Sediment	60.2	mg/kg

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
03-010(a)	ORGANIC	VOA	Acetone	6	4	67	4	67	0.07	0.03	0.18	mg/kg	Sediment		
03-010(a)	ORGANIC	VOA	Dichloroethane[1,1-]	1	1	100	1	100	0.0030	0.0030	0.0030	mg/kg	Soil		
03-010(a)	ORGANIC	VOA	Isopropyltoluene[4-]	6	1	17	1	17	0.0025	0.0025	0.0025	mg/kg	Sediment		
03-010(a)	ORGANIC	VOA	Toluene	6	2	33	2	33	0.0036	0.0010	0.0062	mg/kg	Sediment		
03-010(a)	ORGANIC	VOA	Trichloroethane[1,1,1-]	1	1	100	1	100	0.21	0.21	0.21	mg/kg	Soil		
03-010(a)	ORGANIC	VOA	Trichloroethane[1,1,1-]	6	1	17	1	17	0.16	0.16	0.16	mg/kg	Sediment		
03-010(a)	ORGANIC	VOA	Trichloroethene	1	1	100	1	100	0.01	0.01	0.01	mg/kg	Soil		
03-010(a)	RAD	RAD	Cesium-137	9	8	89	4	44	0.89	0.23	1.54	pCi/g	Sediment	0.9	pCi/g
03-010(a)	RAD	RAD	Plutonium-238	10	3	30	2	20	0.02	0.00	0.04	pCi/g	Sediment	0.006	pCi/g
03-010(a)	RAD	RAD	Plutonium-239	10	7	70	3	30	0.29	0.01	1.55	pCi/g	Sediment	0.068	pCi/g
03-054(b)	INORGANIC	Metals	Antimony	17	15	88	6	35	0.75	0.29	1.20	mg/kg	Soil	0.83	mg/kg
03-054(b)	INORGANIC	Metals	Arsenic	17	17	100	1	6	2.71	1.20	8.60	mg/kg	Soil	8.17	mg/kg
03-054(b)	INORGANIC	Metals	Beryllium	17	17	100	1	6	0.56	0.18	3.10	mg/kg	Soil	1.83	mg/kg
03-054(b)	INORGANIC	Metals	Cadmium	17	17	100	12	71	0.68	0.17	1.60	mg/kg	Soil	0.4	mg/kg
03-054(b)	INORGANIC	Metals	Cobalt	17	17	100	1	6	4.19	2.00	9.40	mg/kg	Soil	8.64	mg/kg
03-054(b)	INORGANIC	Metals	Copper	17	17	100	16	94	87.46	10.90	211.00	mg/kg	Soil	14.7	mg/kg
03-054(b)	INORGANIC	Metals	Lead	17	17	100	17	100	62.75	22.60	168.00	mg/kg	Soil	22.3	mg/kg
03-054(b)	INORGANIC	Metals	Mercury	17	17	100	2	12	0.06	0.02	0.18	mg/kg	Soil	0.1	mg/kg
03-054(b)	INORGANIC	Metals	Silver	17	17	100	6	35	0.97	0.17	3.60	mg/kg	Soil	1	mg/kg
03-054(b)	INORGANIC	Metals	Zinc	17	17	100	17	100	318.78	63.20	825.00	mg/kg	Soil	48.8	mg/kg
03-054(b)	ORGANIC	Petroleum Hydrocarbons	TPH Diesel Range Organics	17	14	82	14	82	1846.43	340.00	5600.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Acenaphthene	17	16	94	16	94	24.70	3.50	79.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Acenaphthylene	17	9	53	9	53	1.91	0.72	4.30	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Anthracene	17	16	94	16	94	28.49	4.10	81.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Benzo(a)anthracene	17	17	100	17	100	69.81	1.70	220.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Benzo(a)pyrene	17	17	100	17	100	77.89	2.10	260.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Benzo(b)fluoranthene	17	17	100	17	100	74.30	2.10	240.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Benzo(g,h,i)perylene	17	15	88	15	88	16.08	2.70	41.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	17	17	100	17	100	60.90	2.30	190.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Benzoic Acid	17	3	18	3	18	1.16	0.98	1.30	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	17	4	24	4	24	2.35	1.10	4.70	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Butylbenzylphthalate	17	1	6	1	6	5.80	5.80	5.80	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Chrysene	17	17	100	17	100	88.14	2.30	280.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Dibenz(a,h)anthracene	17	15	88	15	88	10.27	1.10	31.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Dibenzofuran	17	16	94	16	94	9.42	1.10	24.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Dimethylphenol[2,4-]	17	2	12	2	12	1.05	1.00	1.10	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Di-n-octylphthalate	17	2	12	2	12	8.90	7.80	10.00	mg/kg	Soil		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
03-054(b)	ORGANIC	SVOA	Fluoranthene	17	17	100	17	100	180.31	5.20	560.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Fluorene	17	16	94	16	94	18.32	2.40	49.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	17	16	94	16	94	28.49	4.00	130.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Methylnaphthalene[2-]	17	16	94	16	94	6.27	0.89	20.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Methylphenol[4-]	17	2	12	2	12	1.60	1.30	1.90	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Naphthalene	17	16	94	16	94	15.16	2.20	50.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Phenanthrene	17	17	100	17	100	144.99	2.90	420.00	mg/kg	Soil		
03-054(b)	ORGANIC	SVOA	Pyrene	17	17	100	17	100	152.00	4.00	470.00	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Acetone	3	1	33	1	33	0.03	0.03	0.03	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Carbon Disulfide	3	1	33	1	33	0.01	0.01	0.01	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Chloromethane	3	1	33	1	33	0.01	0.01	0.01	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Ethylbenzene	3	1	33	1	33	0.0010	0.0010	0.0010	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Trichloroethane[1,1,1-]	3	1	33	1	33	0.0048	0.0048	0.0048	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Trichloroethene	3	1	33	1	33	0.0008	0.0008	0.0008	mg/kg	Soil		
03-054(b)	ORGANIC	VOA	Xylene (Total)	3	1	33	1	33	0.0020	0.0020	0.0020	mg/kg	Soil		
07-001(b)	INORGANIC	Metals	Cadmium	6	2	33	2	33	2.85	2.30	3.40	mg/kg	Soil	0.4	mg/kg
07-001(b)	INORGANIC	Metals	Copper	6	6	100	6	100	143.77	15.40	452.00	mg/kg	Soil	14.7	mg/kg
07-001(b)	INORGANIC	Metals	Lead	6	6	100	2	33	18.35	11.30	30.80	mg/kg	Soil	22.3	mg/kg
07-001(b)	INORGANIC	Metals	Zinc	6	6	100	5	83	85.80	27.50	177.00	mg/kg	Soil	48.8	mg/kg
07-001(b)	ORGANIC	HEXP	RDX	10	4	40	4	40	1.00	1.00	1.00	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Benzo(a)anthracene	6	1	17	1	17	0.05	0.05	0.05	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	6	1	17	1	17	0.08	0.08	0.08	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Chloronaphthalene[2-]	6	1	17	1	17	0.27	0.27	0.27	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Dichlorobenzene[1,2-]	6	1	17	1	17	0.32	0.32	0.32	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Dichlorobenzene[1,3-]	6	1	17	1	17	0.31	0.31	0.31	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Diethylphthalate	6	1	17	1	17	0.04	0.04	0.04	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Di-n-octylphthalate	6	1	17	1	17	0.12	0.12	0.12	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Hexachlorobenzene	6	1	17	1	17	0.27	0.27	0.27	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Phenanthrene	6	1	17	1	17	0.14	0.14	0.14	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Pyrene	6	1	17	1	17	0.19	0.19	0.19	mg/kg	Soil		
07-001(b)	ORGANIC	SVOA	Trichlorobenzene[1,2,4-]	6	1	17	1	17	0.37	0.37	0.37	mg/kg	Soil		
07-001(c)	INORGANIC	Metals	Lead	3	3	100	2	67	48.63	21.00	96.50	mg/kg	Soil	22.3	mg/kg
07-001(d)	INORGANIC	Metals	Copper	6	6	100	5	83	48.70	14.30	85.30	mg/kg	Soil	14.7	mg/kg
07-001(d)	INORGANIC	Metals	Manganese	6	6	100	1	17	453.00	334.00	672.00	mg/kg	Soil	671	mg/kg
11-004(f)	INORGANIC	Metals	Arsenic	10	10	100	2	20	2.80	1.80	4.40	mg/kg	Sediment	3.98	mg/kg
11-004(f)	INORGANIC	Metals	Barium	10	10	100	4	40	111.00	65.00	140.00	mg/kg	Sediment	127	mg/kg
11-004(f)	INORGANIC	Metals	Cobalt	10	10	100	2	20	2.66	1.30	4.90	mg/kg	Sediment	4.73	mg/kg
11-004(f)	INORGANIC	Metals	Copper	10	10	100	4	40	22.14	4.30	83.00	mg/kg	Sediment	11.2	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
11-004(f)	INORGANIC	Metals	Uranium	10	10	100	4	40	3.48	0.86	10.21	mg/kg	Sediment	2.22	mg/kg
11-004(f)	INORGANIC	Metals	Vanadium	10	10	100	2	20	11.82	5.50	22.00	mg/kg	Sediment	19.7	mg/kg
11-004(f)	ORGANIC	HEXP	HMX	10	6	60	3	30	21.53	8.60	46.00	mg/kg	Sediment		
11-006(b)	INORGANIC	Metals	Arsenic	1	1	100	1	100	4.00	4.00	4.00	mg/kg	Sediment	3.98	mg/kg
11-006(b)	INORGANIC	Metals	Barium	1	1	100	1	100	130.00	130.00	130.00	mg/kg	Sediment	127	mg/kg
11-006(b)	INORGANIC	Metals	Uranium	1	1	100	1	100	2.84	2.84	2.84	mg/kg	Sediment	2.22	mg/kg
11-006(c)	INORGANIC	Metals	Arsenic	1	1	100	1	100	4.40	4.40	4.40	mg/kg	Sediment	3.98	mg/kg
11-006(c)	INORGANIC	Metals	Barium	1	1	100	1	100	140.00	140.00	140.00	mg/kg	Sediment	127	mg/kg
11-006(c)	INORGANIC	Metals	Cobalt	1	1	100	1	100	4.90	4.90	4.90	mg/kg	Sediment	4.73	mg/kg
11-006(c)	INORGANIC	Metals	Copper	1	1	100	1	100	13.00	13.00	13.00	mg/kg	Sediment	11.2	mg/kg
11-006(c)	INORGANIC	Metals	Uranium	1	1	100	1	100	10.21	10.21	10.21	mg/kg	Sediment	2.22	mg/kg
11-006(c)	INORGANIC	Metals	Vanadium	1	1	100	1	100	22.00	22.00	22.00	mg/kg	Sediment	19.7	mg/kg
11-006(d)	INORGANIC	Metals	Uranium	1	1	100	1	100	2.79	2.79	2.79	mg/kg	Sediment	2.22	mg/kg
11-006(d)	ORGANIC	HEXP	HMX	1	1	100	1	100	8.60	8.60	8.60	mg/kg	Sediment		
14-001(g)	INORGANIC	Metals	Copper	2	2	100	2	100	14.35	13.90	14.80	mg/kg	Sediment	11.2	mg/kg
14-001(g)	INORGANIC	Metals	Copper	10	10	100	1	10	28.36	0.91	253.00	mg/kg	Soil	14.7	mg/kg
14-001(g)	INORGANIC	Metals	Lead	2	2	100	2	100	20.65	19.80	21.50	mg/kg	Sediment	19.7	mg/kg
14-001(g)	INORGANIC	Metals	Lead	10	10	100	2	20	11.78	4.15	34.00	mg/kg	Soil	22.3	mg/kg
14-001(g)	INORGANIC	Metals	Mercury	10	10	100	1	10	0.05	0.01	0.24	mg/kg	Soil	0.1	mg/kg
14-001(g)	INORGANIC	Metals	Selenium	2	2	100	2	100	0.54	0.52	0.56	mg/kg	Sediment	0.3	mg/kg
14-001(g)	INORGANIC	Metals	Thallium	1	1	100	1	100	1.17	1.17	1.17	mg/kg	Sediment	0.73	mg/kg
14-001(g)	INORGANIC	Metals	Thallium	10	10	100	8	80	0.93	0.68	1.20	mg/kg	Soil	0.73	mg/kg
14-001(g)	INORGANIC	Metals	Uranium	2	2	100	2	100	9.06	4.51	13.60	mg/kg	Sediment	2.22	mg/kg
14-001(g)	INORGANIC	Metals	Uranium	10	10	100	7	70	3.71	1.47	9.41	mg/kg	Soil	1.82	mg/kg
14-001(g)	INORGANIC	Metals	Zinc	10	10	100	1	10	32.53	17.00	112.00	mg/kg	Soil	48.8	mg/kg
14-001(g)	ORGANIC	HEXP	HMX	10	3	30	3	30	3.46	0.44	9.04	mg/kg	Soil		
14-001(g)	ORGANIC	HEXP	RDX	2	2	100	2	100	14.52	0.24	28.80	mg/kg	Sediment		
14-001(g)	ORGANIC	HEXP	Tetryl	10	1	10	1	10	0.16	0.16	0.16	mg/kg	Soil		
14-001(g)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	2	1	50	1	50	0.23	0.23	0.23	mg/kg	Sediment		
14-001(g)	RAD	RAD	Thorium-230	10	10	100	1	10	1.36	0.64	5.42	pCi/g	Soil	2.29	pCi/g
14-001(g)	RAD	RAD	Uranium-238	10	1	10	1	10	2.43	2.43	2.43	pCi/g	Soil	2.29	pCi/g
14-002(d)	INORGANIC	Metals	Lead	2	2	100	1	50	26.05	14.40	37.70	mg/kg	Soil	22.3	mg/kg
14-002(d)	INORGANIC	Metals	Thallium	2	2	100	2	100	1.68	1.62	1.73	mg/kg	Soil	0.73	mg/kg
14-002(d)	INORGANIC	Metals	Uranium	2	2	100	2	100	5.91	5.30	6.51	mg/kg	Soil	1.82	mg/kg
14-002(d)	RAD	RAD	Uranium-235	2	2	100	2	100	0.29	0.24	0.35	pCi/g	Soil	0.2	pCi/g
14-002(d)	RAD	RAD	Uranium-238	2	2	100	2	100	4.97	4.02	5.92	pCi/g	Soil	2.29	pCi/g
14-002(e)	INORGANIC	Metals	Thallium	2	2	100	2	100	1.65	1.55	1.76	mg/kg	Soil	0.73	mg/kg
14-002(e)	INORGANIC	Metals	Uranium	2	2	100	2	100	4.27	2.73	5.80	mg/kg	Soil	1.82	mg/kg

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
14-002(e)	RAD	RAD	Uranium-238	2	2	100	1	50	3.04	2.26	3.83	pCi/g	Soil	2.29	pCi/g
14-006	INORGANIC	Metals	Cadmium	3	2	67	1	33	0.42	0.02	0.81	mg/kg	Soil	0.4	mg/kg
14-006	INORGANIC	Metals	Cobalt	3	3	100	2	67	21.47	1.98	52.60	mg/kg	Soil	8.64	mg/kg
14-006	INORGANIC	Metals	Copper	3	3	100	3	100	41.63	19.30	74.90	mg/kg	Soil	14.7	mg/kg
14-006	INORGANIC	Metals	Lead	3	3	100	2	67	28.83	17.20	46.50	mg/kg	Soil	22.3	mg/kg
14-006	INORGANIC	Metals	Mercury	3	3	100	2	67	0.11	0.02	0.17	mg/kg	Soil	0.1	mg/kg
14-006	INORGANIC	Metals	Thallium	3	3	100	3	100	1.44	1.31	1.59	mg/kg	Soil	0.73	mg/kg
14-006	INORGANIC	Metals	Uranium	3	3	100	3	100	6.59	5.57	7.31	mg/kg	Soil	1.82	mg/kg
14-006	INORGANIC	Metals	Zinc	3	3	100	3	100	227.97	75.90	394.00	mg/kg	Soil	48.8	mg/kg
14-006	ORGANIC	HEXP	HMX	3	1	33	1	33	0.54	0.54	0.54	mg/kg	Soil		
14-006	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	3	2	67	2	67	2.54	0.34	4.75	mg/kg	Soil		
14-006	ORGANIC	SVOA	Acenaphthene	3	1	33	1	33	40.50	40.50	40.50	mg/kg	Soil		
14-006	ORGANIC	SVOA	Anthracene	3	1	33	1	33	59.30	59.30	59.30	mg/kg	Soil		
14-006	ORGANIC	SVOA	Benzo(a)anthracene	3	1	33	1	33	118.00	118.00	118.00	mg/kg	Soil		
14-006	ORGANIC	SVOA	Benzo(a)pyrene	3	1	33	1	33	2.59	2.59	2.59	mg/kg	Soil		
14-006	ORGANIC	SVOA	Benzo(b)fluoranthene	3	2	67	2	67	61.86	3.72	120.00	mg/kg	Soil		
14-006	ORGANIC	SVOA	Benzo(g,h,i)perylene	3	1	33	1	33	44.10	44.10	44.10	mg/kg	Soil		
14-006	ORGANIC	SVOA	Benzo(k)fluoranthene	3	1	33	1	33	71.90	71.90	71.90	mg/kg	Soil		
14-006	ORGANIC	SVOA	Chrysene	3	1	33	1	33	152.00	152.00	152.00	mg/kg	Soil		
14-006	ORGANIC	SVOA	Dibenzofuran	3	1	33	1	33	19.10	19.10	19.10	mg/kg	Soil		
14-006	ORGANIC	SVOA	Fluoranthene	3	2	67	2	67	144.96	7.92	282.00	mg/kg	Soil		
14-006	ORGANIC	SVOA	Fluorene	3	1	33	1	33	36.90	36.90	36.90	mg/kg	Soil		
14-006	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	3	1	33	1	33	50.90	50.90	50.90	mg/kg	Soil		
14-006	ORGANIC	SVOA	Phenanthrene	3	2	67	2	67	102.23	4.46	200.00	mg/kg	Soil		
14-006	ORGANIC	SVOA	Pyrene	3	2	67	2	67	127.21	6.43	248.00	mg/kg	Soil		
14-006	RAD	RAD	Uranium-235	3	1	33	1	33	0.29	0.29	0.29	pCi/g	Soil	0.2	pCi/g
15-006(c)	INORGANIC	Metals	Aluminum	28	28	100	1	4	6945.71	1800.00	97200.00	mg/kg	Soil	29200	mg/kg
15-006(c)	INORGANIC	Metals	Antimony	28	2	7	2	7	14.70	13.60	15.80	mg/kg	Soil	0.83	mg/kg
15-006(c)	INORGANIC	Metals	Arsenic	28	8	29	1	4	67.06	0.75	518.00	mg/kg	Soil	8.17	mg/kg
15-006(c)	INORGANIC	Metals	Beryllium	28	24	86	21	75	11.38	1.20	101.00	mg/kg	Soil	1.83	mg/kg
15-006(c)	INORGANIC	Metals	Cadmium	28	2	7	2	7	1.15	1.10	1.20	mg/kg	Soil	0.4	mg/kg
15-006(c)	INORGANIC	Metals	Chromium	28	27	96	5	18	39.76	2.50	372.00	mg/kg	Soil	19.3	mg/kg
15-006(c)	INORGANIC	Metals	Copper	28	27	96	25	89	1526.51	5.50	7150.00	mg/kg	Soil	14.7	mg/kg
15-006(c)	INORGANIC	Metals	Lead	28	28	100	22	79	4963.93	6.80	132000.00	mg/kg	Soil	22.3	mg/kg
15-006(c)	INORGANIC	Metals	Mercury	28	1	4	1	4	0.17	0.17	0.17	mg/kg	Soil	0.1	mg/kg
15-006(c)	INORGANIC	Metals	Nickel	28	7	25	4	14	50.29	9.20	188.00	mg/kg	Soil	15.4	mg/kg
15-006(c)	INORGANIC	Metals	Silver	28	5	18	5	18	4.40	3.10	9.10	mg/kg	Soil	1	mg/kg
15-006(c)	INORGANIC	Metals	Uranium	28	26	93	26	93	310.26	3.90	1700.00	mg/kg	Soil	1.82	mg/kg

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
15-006(c)	INORGANIC	Metals	Zinc	28	28	100	11	39	170.84	12.30	2860.00	mg/kg	Soil	48.8	mg/kg
15-006(c)	ORGANIC	HEXP	HMX	28	16	57	16	57	171.83	0.13	2200.00	mg/kg	Soil		
15-006(c)	ORGANIC	HEXP	RDX	28	8	29	8	29	282.75	0.54	1900.00	mg/kg	Soil		
15-008(b)	INORGANIC	Metals	Antimony	22	2	9	2	9	17.60	16.80	18.40	mg/kg	Soil	0.83	mg/kg
15-008(b)	INORGANIC	Metals	Beryllium	22	17	77	14	64	12.11	0.32	35.50	mg/kg	Soil	1.83	mg/kg
15-008(b)	INORGANIC	Metals	Cadmium	22	2	9	2	9	1.65	1.50	1.80	mg/kg	Soil	0.4	mg/kg
15-008(b)	INORGANIC	Metals	Chromium	22	21	95	1	5	8.06	2.00	20.20	mg/kg	Soil	19.3	mg/kg
15-008(b)	INORGANIC	Metals	Copper	22	22	100	19	86	625.44	5.00	4110.00	mg/kg	Soil	14.7	mg/kg
15-008(b)	INORGANIC	Metals	Lead	22	22	100	16	73	255.25	8.60	1250.00	mg/kg	Soil	22.3	mg/kg
15-008(b)	INORGANIC	Metals	Mercury	17	1	6	1	6	0.12	0.12	0.12	mg/kg	Soil	0.1	mg/kg
15-008(b)	INORGANIC	Metals	Nickel	22	7	32	1	5	8.41	4.10	15.90	mg/kg	Soil	15.4	mg/kg
15-008(b)	INORGANIC	Metals	Silver	22	4	18	4	18	3.90	3.10	4.40	mg/kg	Soil	1	mg/kg
15-008(b)	INORGANIC	Metals	Uranium	22	17	77	17	77	362.62	8.50	890.00	mg/kg	Soil	1.82	mg/kg
15-008(b)	INORGANIC	Metals	Zinc	22	22	100	13	59	61.15	16.60	147.00	mg/kg	Soil	48.8	mg/kg
16-001(d)	ORGANIC	Petroleum Hydrocarbons	TPH Diesel Range Organics	2	1	50	1	50	60.00	60.00	60.00	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Acenaphthene	2	1	50	1	50	0.08	0.08	0.08	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Anthracene	2	2	100	2	100	0.09	0.05	0.12	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Benzo(a)anthracene	2	2	100	2	100	0.18	0.11	0.26	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Benzo(a)pyrene	2	2	100	2	100	0.17	0.10	0.24	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Benzo(b)fluoranthene	2	2	100	2	100	0.29	0.16	0.42	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Chrysene	2	2	100	2	100	0.20	0.11	0.29	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Dibenzofuran	2	1	50	1	50	0.03	0.03	0.03	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Fluoranthene	2	2	100	2	100	0.46	0.28	0.64	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Fluorene	2	1	50	1	50	0.07	0.07	0.07	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Naphthalene	2	1	50	1	50	0.06	0.06	0.06	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Phenanthrene	2	2	100	2	100	0.37	0.22	0.53	mg/kg	Soil		
16-001(d)	ORGANIC	SVOA	Pyrene	2	2	100	2	100	0.49	0.31	0.66	mg/kg	Soil		
16-003(a)	INORGANIC	Metals	Cadmium	7	3	43	3	43	0.92	0.85	1.03	mg/kg	Soil	0.4	mg/kg
16-003(a)	INORGANIC	Metals	Chromium	1	1	100	1	100	11.30	11.30	11.30	mg/kg	Sediment	10.5	mg/kg
16-003(a)	INORGANIC	Metals	Copper	1	1	100	1	100	24.40	24.40	24.40	mg/kg	Sediment	11.2	mg/kg
16-003(a)	INORGANIC	Metals	Copper	7	7	100	3	43	13.94	4.03	24.40	mg/kg	Soil	14.7	mg/kg
16-003(a)	INORGANIC	Metals	Lead	1	1	100	1	100	21.70	21.70	21.70	mg/kg	Sediment	19.7	mg/kg
16-003(a)	INORGANIC	Metals	Lead	7	7	100	1	14	16.34	4.93	28.80	mg/kg	Soil	22.3	mg/kg
16-003(a)	INORGANIC	Metals	Uranium	1	1	100	1	100	4.58	4.58	4.58	mg/kg	Sediment	2.22	mg/kg
16-003(a)	INORGANIC	Metals	Uranium	7	7	100	6	86	3.56	1.78	6.29	mg/kg	Soil	1.82	mg/kg
16-003(a)	INORGANIC	Metals	Zinc	1	1	100	1	100	340.00	340.00	340.00	mg/kg	Sediment	60.2	mg/kg
16-003(a)	INORGANIC	Metals	Zinc	7	7	100	6	86	171.20	25.90	303.00	mg/kg	Soil	48.8	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-003(a)	ORGANIC	SVOA	Acenaphthene	1	1	100	1	100	0.09	0.09	0.09	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Acenaphthene	7	2	29	2	29	0.10	0.10	0.10	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Anthracene	1	1	100	1	100	0.27	0.27	0.27	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Anthracene	7	5	71	5	71	0.11	0.07	0.14	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzo(a)anthracene	1	1	100	1	100	1.00	1.00	1.00	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Benzo(a)anthracene	7	5	71	5	71	0.30	0.23	0.43	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzo(a)pyrene	1	1	100	1	100	1.30	1.30	1.30	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Benzo(a)pyrene	7	6	86	6	86	0.37	0.11	0.62	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzo(b)fluoranthene	1	1	100	1	100	1.90	1.90	1.90	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Benzo(b)fluoranthene	7	7	100	7	100	0.45	0.08	0.85	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzo(g,h,i)perylene	1	1	100	1	100	0.84	0.84	0.84	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Benzo(g,h,i)perylene	7	6	86	6	86	0.26	0.08	0.44	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzo(k)fluoranthene	1	1	100	1	100	0.70	0.70	0.70	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Benzo(k)fluoranthene	7	5	71	5	71	0.22	0.16	0.32	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzoic Acid	7	4	57	4	57	0.31	0.09	0.40	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Benzyl Alcohol	1	1	100	1	100	0.05	0.05	0.05	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Benzyl Alcohol	7	1	14	1	14	0.08	0.08	0.08	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	1	1	100	1	100	1.60	1.60	1.60	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Chrysene	7	6	86	6	86	0.41	0.12	0.66	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Dibenz(a,h)anthracene	1	1	100	1	100	0.17	0.17	0.17	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Dibenz(a,h)anthracene	7	3	43	3	43	0.10	0.06	0.14	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Fluoranthene	1	1	100	1	100	2.90	2.90	2.90	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Fluoranthene	7	7	100	7	100	0.72	0.12	1.40	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Fluorene	1	1	100	1	100	0.10	0.10	0.10	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Fluorene	7	2	29	2	29	0.10	0.09	0.10	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	1	1	100	1	100	0.87	0.87	0.87	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	7	5	71	5	71	0.31	0.21	0.43	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Methylphenol[4-]	7	2	29	2	29	0.20	0.09	0.30	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Naphthalene	7	2	29	2	29	0.14	0.10	0.17	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Phenanthrene	1	1	100	1	100	1.40	1.40	1.40	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Phenanthrene	7	7	100	7	100	0.43	0.06	0.69	mg/kg	Soil		
16-003(a)	ORGANIC	SVOA	Pyrene	1	1	100	1	100	2.10	2.10	2.10	mg/kg	Sediment		
16-003(a)	ORGANIC	SVOA	Pyrene	7	7	100	7	100	0.55	0.09	1.00	mg/kg	Soil		
16-003(a)	ORGANIC	VOA	Methylene Chloride	1	1	100	1	100	0.0040	0.0040	0.0040	mg/kg	Soil		
16-003(a)	ORGANIC	VOA	Trichlorofluoromethane	1	1	100	1	100	0.01	0.01	0.01	mg/kg	Soil		
16-003(f)	INORGANIC	Metals	Barium	2	2	100	1	50	358.50	109.00	608.00	mg/kg	Sediment	127	mg/kg
16-003(f)	INORGANIC	Metals	Chromium	2	2	100	2	100	31.85	31.00	32.70	mg/kg	Sediment	10.5	mg/kg
16-003(f)	INORGANIC	Metals	Copper	2	2	100	2	100	276.50	195.00	358.00	mg/kg	Sediment	11.2	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-003(f)	INORGANIC	Metals	Lead	2	2	100	2	100	177.00	105.00	249.00	mg/kg	Sediment	19.7	mg/kg
16-003(f)	INORGANIC	Metals	Mercury	2	2	100	2	100	3.60	2.20	5.00	mg/kg	Sediment	0.1	mg/kg
16-003(f)	INORGANIC	Metals	Selenium	2	1	50	1	50	0.98	0.98	0.98	mg/kg	Sediment	0.3	mg/kg
16-003(f)	INORGANIC	Metals	Vanadium	2	2	100	2	100	23.85	23.80	23.90	mg/kg	Sediment	19.7	mg/kg
16-003(f)	INORGANIC	Metals	Zinc	2	2	100	2	100	263.00	229.00	297.00	mg/kg	Sediment	60.2	mg/kg
16-003(f)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	2	1	50	1	50	0.09	0.09	0.09	mg/kg	Sediment		
16-003(f)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	2	2	100	2	100	0.51	0.49	0.53	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Anthracene	2	1	50	1	50	0.13	0.13	0.13	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Benzo(a)anthracene	2	1	50	1	50	0.47	0.47	0.47	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Benzo(a)pyrene	2	2	100	2	100	0.32	0.07	0.58	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Benzo(b)fluoranthene	2	2	100	2	100	0.49	0.09	0.89	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Benzo(g,h,i)perylene	2	1	50	1	50	0.24	0.24	0.24	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Benzo(k)fluoranthene	2	1	50	1	50	0.31	0.31	0.31	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Benzoic Acid	2	1	50	1	50	0.51	0.51	0.51	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Chrysene	2	2	100	2	100	0.34	0.08	0.61	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Fluoranthene	2	2	100	2	100	0.62	0.13	1.10	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	2	1	50	1	50	0.29	0.29	0.29	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Methylphenol[4-]	2	1	50	1	50	0.09	0.09	0.09	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Phenanthrene	2	2	100	2	100	0.31	0.08	0.54	mg/kg	Sediment		
16-003(f)	ORGANIC	SVOA	Pyrene	2	2	100	2	100	0.55	0.12	0.98	mg/kg	Sediment		
16-006(c)	INORGANIC	Metals	Barium	12	12	100	8	67	2450.87	29.20	6540.00	mg/kg	Soil	295	mg/kg
16-006(c)	INORGANIC	Metals	Copper	12	12	100	4	33	12.90	5.40	25.10	mg/kg	Soil	14.7	mg/kg
16-006(c)	INORGANIC	Metals	Lead	12	12	100	6	50	16.15	3.40	23.30	mg/kg	Soil	22.3	mg/kg
16-006(c)	INORGANIC	Metals	Mercury	12	8	67	6	50	0.13	0.09	0.17	mg/kg	Soil	0.1	mg/kg
16-006(c)	INORGANIC	Metals	Thallium	12	2	17	2	17	1.00	1.00	1.00	mg/kg	Soil	0.73	mg/kg
16-006(c)	INORGANIC	Metals	Zinc	12	12	100	6	50	57.17	29.70	107.00	mg/kg	Soil	48.8	mg/kg
16-006(c)	ORGANIC	SVOA	Benzoic Acid	12	8	67	4	33	0.46	0.20	0.67	mg/kg	Soil		
16-006(c)	ORGANIC	SVOA	Dichlorobenzene[1,4-]	12	2	17	1	8	0.05	0.05	0.05	mg/kg	Soil		
16-006(c)	ORGANIC	SVOA	Di-n-butylphthalate	12	2	17	1	8	0.05	0.05	0.05	mg/kg	Soil		
16-006(c)	ORGANIC	SVOA	Fluoranthene	12	2	17	1	8	0.05	0.05	0.05	mg/kg	Soil		
16-006(c)	ORGANIC	VOA	Acetone	6	2	33	1	17	0.01	0.01	0.01	mg/kg	Soil		
16-006(c)	ORGANIC	VOA	Isopropyltoluene[4-]	6	2	33	1	17	0.01	0.01	0.01	mg/kg	Soil		
16-006(c)	ORGANIC	VOA	Methylene Chloride	6	2	33	1	17	0.0030	0.0030	0.0030	mg/kg	Soil		
16-006(c)	ORGANIC	VOA	Toluene	6	2	33	1	17	0.0030	0.0030	0.0030	mg/kg	Soil		
16-010(b)	INORGANIC	Metals	Barium	20	20	100	12	60	641.16	19.20	3850.00	mg/kg	Soil	295	mg/kg
16-010(b)	INORGANIC	Metals	Copper	20	20	100	5	25	10.76	0.96	36.80	mg/kg	Soil	14.7	mg/kg
16-010(b)	INORGANIC	Metals	Lead	20	20	100	1	5	10.90	3.10	30.30	mg/kg	Soil	22.3	mg/kg
16-010(b)	INORGANIC	Metals	Silver	20	3	15	1	5	0.84	0.20	1.60	mg/kg	Soil	1	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-010(b)	INORGANIC	Metals	Zinc	20	20	100	4	20	38.71	17.60	90.50	mg/kg	Soil	48.8	mg/kg
16-010(b)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	20	7	35	7	35	0.37	0.09	0.98	mg/kg	Soil		
16-010(b)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	20	6	30	6	30	0.43	0.07	1.10	mg/kg	Soil		
16-010(b)	ORGANIC	HEXP	Dinitrobenzene[1,3-]	20	1	5	1	5	0.08	0.08	0.08	mg/kg	Soil		
16-010(b)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	20	1	5	1	5	0.10	0.10	0.10	mg/kg	Soil		
16-010(b)	ORGANIC	HEXP	HMX	20	16	80	16	80	3.29	0.19	16.00	mg/kg	Soil		
16-010(b)	ORGANIC	HEXP	RDX	20	18	90	18	90	4.94	0.15	36.00	mg/kg	Soil		
16-010(b)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	20	5	25	5	25	0.38	0.07	1.20	mg/kg	Soil		
16-010(b)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	20	3	15	3	15	0.22	0.16	0.28	mg/kg	Soil		
16-016(d)	INORGANIC	Metals	Copper	6	6	100	1	17	9.50	2.61	15.50	mg/kg	Soil	14.7	mg/kg
16-016(d)	INORGANIC	Metals	Lead	6	6	100	1	17	14.23	4.51	23.70	mg/kg	Soil	22.3	mg/kg
16-016(d)	INORGANIC	Metals	Zinc	6	6	100	1	17	41.33	31.80	63.70	mg/kg	Soil	48.8	mg/kg
16-016(d)	ORGANIC	SVOA	Acenaphthene	6	5	83	5	83	1.30	0.03	3.50	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Acenaphthylene	6	1	17	1	17	0.17	0.17	0.17	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Anthracene	6	5	83	5	83	3.09	0.06	9.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Benzo(a)anthracene	6	5	83	5	83	4.70	0.11	14.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Benzo(a)pyrene	6	5	83	5	83	3.80	0.09	11.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Benzo(b)fluoranthene	6	5	83	5	83	6.17	0.14	18.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Benzo(g,h,i)perylene	6	2	33	2	33	5.60	4.60	6.60	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Chrysene	6	5	83	5	83	4.46	0.09	13.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Dibenzofuran	6	3	50	3	50	1.66	0.08	2.70	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Dimethylphenol[2,4-]	6	2	33	2	33	0.18	0.16	0.20	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Fluoranthene	6	5	83	5	83	8.27	0.24	23.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Fluorene	6	4	67	4	67	1.74	0.04	3.80	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	6	2	33	2	33	5.50	4.40	6.60	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Methylnaphthalene[2-]	6	3	50	3	50	1.62	0.07	2.80	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Methylphenol[2-]	6	2	33	2	33	0.13	0.11	0.14	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Methylphenol[4-]	6	2	33	2	33	0.30	0.27	0.33	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Naphthalene	6	5	83	5	83	2.01	0.05	5.20	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Phenanthrene	6	5	83	5	83	8.66	0.24	24.00	mg/kg	Soil		
16-016(d)	ORGANIC	SVOA	Pyrene	6	5	83	5	83	10.10	0.26	29.00	mg/kg	Soil		
16-016(d)	ORGANIC	VOA	Acetone	6	1	17	1	17	0.06	0.06	0.06	mg/kg	Soil		
16-016(d)	ORGANIC	VOA	Toluene	6	1	17	1	17	0.01	0.01	0.01	mg/kg	Soil		
16-018	INORGANIC	Metals	Aluminum	198	198	100	1	1	5605.33	885.00	32700.00	mg/kg	Soil	29200	mg/kg
16-018	INORGANIC	Metals	Antimony	198	26	13	2	1	0.46	0.28	1.40	mg/kg	Soil	0.83	mg/kg
16-018	INORGANIC	Metals	Arsenic	36	7	19	2	6	4.61	2.00	11.00	mg/kg	Sediment	3.98	mg/kg
16-018	INORGANIC	Metals	Barium	37	37	100	37	100	4462.41	194.00	40300.00	mg/kg	Sediment	127	mg/kg
16-018	INORGANIC	Metals	Barium	198	197	99	74	37	521.95	7.60	6980.00	mg/kg	Soil	295	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-018	INORGANIC	Metals	Beryllium	198	198	100	10	5	0.79	0.26	3.30	mg/kg	Soil	1.83	mg/kg
16-018	INORGANIC	Metals	Cadmium	37	1	3	1	3	0.51	0.51	0.51	mg/kg	Sediment	0.4	mg/kg
16-018	INORGANIC	Metals	Cadmium	198	78	39	6	3	0.16	0.02	1.10	mg/kg	Soil	0.4	mg/kg
16-018	INORGANIC	Metals	Chromium	37	37	100	2	5	6.29	1.80	17.80	mg/kg	Sediment	10.5	mg/kg
16-018	INORGANIC	Metals	Chromium	198	197	99	1	1	4.99	0.48	39.40	mg/kg	Soil	19.3	mg/kg
16-018	INORGANIC	Metals	Cobalt	37	37	100	20	54	6.17	1.50	21.60	mg/kg	Sediment	4.73	mg/kg
16-018	INORGANIC	Metals	Cobalt	198	196	99	8	4	4.26	0.63	151.00	mg/kg	Soil	8.64	mg/kg
16-018	INORGANIC	Metals	Copper	37	37	100	20	54	20.31	3.40	99.80	mg/kg	Sediment	11.2	mg/kg
16-018	INORGANIC	Metals	Copper	198	196	99	20	10	6.60	0.96	36.80	mg/kg	Soil	14.7	mg/kg
16-018	INORGANIC	Metals	Iron	37	37	100	4	11	10196.76	4300.00	22000.00	mg/kg	Sediment	13800	mg/kg
16-018	INORGANIC	Metals	Iron	198	198	100	1	1	10119.55	4050.00	22500.00	mg/kg	Soil	21500	mg/kg
16-018	INORGANIC	Metals	Lead	37	37	100	19	51	31.45	7.30	129.00	mg/kg	Sediment	19.7	mg/kg
16-018	INORGANIC	Metals	Lead	198	198	100	9	5	7.83	1.50	38.90	mg/kg	Soil	22.3	mg/kg
16-018	INORGANIC	Metals	Manganese	37	37	100	9	24	481.65	121.00	1910.00	mg/kg	Sediment	543	mg/kg
16-018	INORGANIC	Metals	Manganese	198	198	100	3	2	264.26	44.70	1290.00	mg/kg	Soil	671	mg/kg
16-018	INORGANIC	Metals	Mercury	37	12	32	9	24	0.17	0.09	0.39	mg/kg	Sediment	0.1	mg/kg
16-018	INORGANIC	Metals	Mercury	198	63	32	1	1	0.03	0.02	0.22	mg/kg	Soil	0.1	mg/kg
16-018	INORGANIC	Metals	Nickel	37	35	95	19	51	22.44	2.20	305.00	mg/kg	Sediment	9.38	mg/kg
16-018	INORGANIC	Metals	Selenium	37	7	19	7	19	1.33	0.60	3.00	mg/kg	Sediment	0.3	mg/kg
16-018	INORGANIC	Metals	Silver	37	24	65	14	38	2.97	0.28	15.10	mg/kg	Sediment	1	mg/kg
16-018	INORGANIC	Metals	Silver	198	40	20	11	6	0.93	0.08	7.80	mg/kg	Soil	1	mg/kg
16-018	INORGANIC	Metals	Thallium	37	7	19	6	16	2.51	0.30	7.10	mg/kg	Sediment	0.73	mg/kg
16-018	INORGANIC	Metals	Thallium	198	64	32	6	3	0.36	0.02	1.40	mg/kg	Soil	0.73	mg/kg
16-018	INORGANIC	Metals	Uranium	31	31	100	12	39	2.11	1.05	3.91	mg/kg	Sediment	2.22	mg/kg
16-018	INORGANIC	Metals	Vanadium	37	37	100	7	19	16.33	4.70	54.20	mg/kg	Sediment	19.7	mg/kg
16-018	INORGANIC	Metals	Zinc	37	37	100	5	14	43.27	19.20	117.00	mg/kg	Sediment	60.2	mg/kg
16-018	INORGANIC	Metals	Zinc	198	194	98	36	18	40.71	14.10	150.00	mg/kg	Soil	48.8	mg/kg
16-018	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	31	17	55	17	55	0.37	0.14	0.91	mg/kg	Sediment		
16-018	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	198	28	14	28	14	0.24	0.05	0.98	mg/kg	Soil		
16-018	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	31	6	19	6	19	0.64	0.49	1.02	mg/kg	Sediment		
16-018	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	198	32	16	32	16	0.26	0.04	1.10	mg/kg	Soil		
16-018	ORGANIC	HEXP	Dinitrobenzene[1,3-]	198	3	2	3	2	0.06	0.04	0.08	mg/kg	Soil		
16-018	ORGANIC	HEXP	Dinitrotoluene[2,4-]	198	1	1	1	1	0.10	0.10	0.10	mg/kg	Soil		
16-018	ORGANIC	HEXP	Dinitrotoluene[2,6-]	198	1	1	1	1	0.39	0.39	0.39	mg/kg	Soil		
16-018	ORGANIC	HEXP	HMX	37	10	27	10	27	40.49	1.29	170.00	mg/kg	Sediment		
16-018	ORGANIC	HEXP	HMX	198	98	49	98	49	1.55	0.09	16.00	mg/kg	Soil		
16-018	ORGANIC	HEXP	Nitrobenzene	37	1	3	1	3	0.09	0.09	0.09	mg/kg	Sediment		
16-018	ORGANIC	HEXP	Nitrotoluene[3-]	37	1	3	1	3	0.35	0.35	0.35	mg/kg	Sediment		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-018	ORGANIC	HEXP	Nitrotoluene[4-]	198	1	1	1	1	0.11	0.11	0.11	mg/kg	Soil		
16-018	ORGANIC	HEXP	RDX	37	13	35	13	35	1.86	0.20	5.88	mg/kg	Sediment		
16-018	ORGANIC	HEXP	RDX	198	132	67	132	67	2.15	0.05	36.00	mg/kg	Soil		
16-018	ORGANIC	HEXP	Tetryl	197	1	1	1	1	0.09	0.09	0.09	mg/kg	Soil		
16-018	ORGANIC	HEXP	Trinitrobenzene[1,3,5-]	37	1	3	1	3	0.11	0.11	0.11	mg/kg	Sediment		
16-018	ORGANIC	HEXP	Trinitrobenzene[1,3,5-]	198	3	2	3	2	0.19	0.05	0.36	mg/kg	Soil		
16-018	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	37	10	27	10	27	0.54	0.10	1.80	mg/kg	Sediment		
16-018	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	198	19	10	19	10	0.35	0.03	1.20	mg/kg	Soil		
16-018	ORGANIC	PCB	Aroclor-1260	5	1	20	1	20	0.06	0.06	0.06	mg/kg	Soil		
16-018	ORGANIC	PEST	DDT[4,4'-]	5	1	20	1	20	0.01	0.01	0.01	mg/kg	Soil		
16-018	ORGANIC	SVOA	Benzoic Acid	31	2	6	2	6	0.38	0.31	0.45	mg/kg	Sediment		
16-018	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	31	10	32	10	32	0.38	0.20	0.74	mg/kg	Sediment		
16-018	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	198	11	6	11	6	0.20	0.10	0.53	mg/kg	Soil		
16-018	ORGANIC	SVOA	Diethylphthalate	31	6	19	6	19	0.30	0.18	0.47	mg/kg	Sediment		
16-018	ORGANIC	SVOA	Di-n-butylphthalate	31	29	94	29	94	2.44	0.80	10.00	mg/kg	Sediment		
16-018	ORGANIC	VOA	Acetone	5	1	20	1	20	0.01	0.01	0.01	mg/kg	Soil		
16-018	ORGANIC	VOA	Acetone	6	2	33	2	33	0.05	0.03	0.07	mg/kg	Sediment		
16-018	ORGANIC	VOA	Dichlorobenzene[1,4-]	5	1	20	1	20	0.0010	0.0010	0.0010	mg/kg	Soil		
16-018	ORGANIC	VOA	Toluene	5	2	40	2	40	0.0009	0.0007	0.0010	mg/kg	Soil		
16-018	RAD	RAD	Cesium-137	31	12	39	1	3	0.37	0.11	1.06	pCi/g	Sediment	0.9	pCi/g
16-019	INORGANIC	Metals	Aluminum	18	18	100	2	11	10500.00	2700.00	34000.00	mg/kg	Soil	29200	mg/kg
16-019	INORGANIC	Metals	Barium	18	18	100	15	83	4339.44	140.00	29000.00	mg/kg	Soil	295	mg/kg
16-019	INORGANIC	Metals	Cobalt	18	18	100	1	6	5.28	2.20	11.00	mg/kg	Soil	8.64	mg/kg
16-019	INORGANIC	Metals	Copper	18	18	100	4	22	17.96	2.70	110.00	mg/kg	Soil	14.7	mg/kg
16-019	INORGANIC	Metals	Lead	18	18	100	4	22	23.43	6.30	140.00	mg/kg	Soil	22.3	mg/kg
16-019	INORGANIC	Metals	Silver	18	18	100	16	89	1.95	0.98	3.50	mg/kg	Soil	1	mg/kg
16-019	INORGANIC	Metals	Zinc	18	18	100	4	22	31.83	17.00	70.00	mg/kg	Soil	48.8	mg/kg
16-019	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	4	1	25	1	25	0.05	0.05	0.05	mg/kg	Soil		
16-019	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	4	1	25	1	25	0.05	0.05	0.05	mg/kg	Soil		
16-019	ORGANIC	HEXP	Amino-DNTs	14	1	7	1	7	2.70	2.70	2.70	mg/kg	Soil		
16-019	ORGANIC	HEXP	HMX	18	4	22	4	22	0.70	0.25	1.80	mg/kg	Soil		
16-019	ORGANIC	HEXP	RDX	18	7	39	7	39	4.34	0.09	17.00	mg/kg	Soil		
16-019	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	18	2	11	2	11	2.45	1.10	3.80	mg/kg	Soil		
16-019	ORGANIC	SVOA	Phenanthrene	18	2	11	2	11	0.14	0.04	0.25	mg/kg	Soil		
16-021(c)	INORGANIC	Metals	Aluminum	93	93	100	2	2	6786.56	910.00	29600.00	mg/kg	Sediment	15400	mg/kg
16-021(c)	INORGANIC	Metals	Antimony	72	7	10	7	10	1.43	1.00	2.60	mg/kg	Sediment	0.83	mg/kg
16-021(c)	INORGANIC	Metals	Arsenic	26	26	100	1	4	2.91	0.63	9.70	mg/kg	Soil	8.17	mg/kg
16-021(c)	INORGANIC	Metals	Arsenic	93	93	100	13	14	3.02	0.97	10.00	mg/kg	Sediment	3.98	mg/kg

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-021(c)	INORGANIC	Metals	Barium	26	26	100	25	96	5902.96	172.00	29500.00	mg/kg	Soil	295	mg/kg
16-021(c)	INORGANIC	Metals	Barium	93	93	100	79	85	6653.42	6.30	37300.00	mg/kg	Sediment	127	mg/kg
16-021(c)	INORGANIC	Metals	Beryllium	93	48	52	1	1	0.71	0.24	1.70	mg/kg	Sediment	1.31	mg/kg
16-021(c)	INORGANIC	Metals	Cadmium	93	48	52	24	26	0.67	0.05	2.90	mg/kg	Sediment	0.4	mg/kg
16-021(c)	INORGANIC	Metals	Chromium	93	93	100	18	19	8.11	1.10	33.10	mg/kg	Sediment	10.5	mg/kg
16-021(c)	INORGANIC	Metals	Cobalt	26	26	100	2	8	5.72	2.50	16.80	mg/kg	Soil	8.64	mg/kg
16-021(c)	INORGANIC	Metals	Cobalt	93	90	97	37	40	5.24	1.10	23.90	mg/kg	Sediment	4.73	mg/kg
16-021(c)	INORGANIC	Metals	Copper	26	26	100	1	4	7.13	4.20	16.10	mg/kg	Soil	14.7	mg/kg
16-021(c)	INORGANIC	Metals	Copper	93	91	98	52	56	21.30	1.82	139.00	mg/kg	Sediment	11.2	mg/kg
16-021(c)	INORGANIC	Metals	Iron	93	93	100	3	3	8345.91	2500.00	21300.00	mg/kg	Sediment	13800	mg/kg
16-021(c)	INORGANIC	Metals	Lead	26	26	100	5	19	18.15	8.90	46.20	mg/kg	Soil	22.3	mg/kg
16-021(c)	INORGANIC	Metals	Lead	93	93	100	59	63	32.27	3.80	120.00	mg/kg	Sediment	19.7	mg/kg
16-021(c)	INORGANIC	Metals	Manganese	26	26	100	7	27	609.73	160.00	1890.00	mg/kg	Soil	671	mg/kg
16-021(c)	INORGANIC	Metals	Manganese	76	76	100	4	5	291.56	75.20	980.00	mg/kg	Sediment	543	mg/kg
16-021(c)	INORGANIC	Metals	Mercury	93	55	59	18	19	0.23	0.00	2.30	mg/kg	Sediment	0.1	mg/kg
16-021(c)	INORGANIC	Metals	Nickel	93	90	97	36	39	11.34	1.84	51.90	mg/kg	Sediment	9.38	mg/kg
16-021(c)	INORGANIC	Metals	Selenium	93	26	28	25	27	0.71	0.26	1.58	mg/kg	Sediment	0.3	mg/kg
16-021(c)	INORGANIC	Metals	Silver	26	7	27	2	8	0.90	0.25	2.10	mg/kg	Soil	1	mg/kg
16-021(c)	INORGANIC	Metals	Silver	93	64	69	60	65	5.07	0.45	85.50	mg/kg	Sediment	1	mg/kg
16-021(c)	INORGANIC	Metals	Thallium	93	30	32	4	4	0.37	0.04	2.00	mg/kg	Sediment	0.73	mg/kg
16-021(c)	INORGANIC	Metals	Uranium	24	24	100	14	58	2.28	0.49	4.08	mg/kg	Soil	1.82	mg/kg
16-021(c)	INORGANIC	Metals	Uranium	24	24	100	17	71	3.80	0.81	8.71	mg/kg	Sediment	2.22	mg/kg
16-021(c)	INORGANIC	Metals	Vanadium	26	26	100	1	4	19.58	7.60	53.00	mg/kg	Soil	39.6	mg/kg
16-021(c)	INORGANIC	Metals	Vanadium	93	93	100	22	24	17.22	4.00	55.70	mg/kg	Sediment	19.7	mg/kg
16-021(c)	INORGANIC	Metals	Zinc	26	26	100	2	8	30.85	16.70	62.20	mg/kg	Soil	48.8	mg/kg
16-021(c)	INORGANIC	Metals	Zinc	93	93	100	30	32	56.75	13.00	259.00	mg/kg	Sediment	60.2	mg/kg
16-021(c)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	26	8	31	8	31	17.04	1.63	64.10	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	73	37	51	37	51	6.08	0.12	60.80	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	26	11	42	11	42	17.94	0.26	82.70	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	73	45	62	45	62	11.25	0.04	64.40	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Amino-DNTs	20	3	15	3	15	1.22	0.56	2.30	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Dinitrobenzene[1,3-]	93	1	1	1	1	29.00	29.00	29.00	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	26	9	35	9	35	1.99	0.12	10.50	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	93	9	10	9	10	1.03	0.24	2.54	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Dinitrotoluene[2,6-]	93	2	2	2	2	0.34	0.14	0.54	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	HMX	26	25	96	25	96	1721.21	0.40	15000.00	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	HMX	93	56	60	56	60	15259.20	0.19	137000.00	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Nitrobenzene	26	2	8	2	8	0.65	0.09	1.20	mg/kg	Soil		

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16-021(c)	ORGANIC	HEXP	Nitrobenzene	93	1	1	1	1	0.13	0.13	0.13	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Nitrotoluene[3-]	26	1	4	1	4	2.12	2.12	2.12	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	Nitrotoluene[4-]	91	1	1	1	1	6.66	6.66	6.66	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	RDX	26	13	50	13	50	7969.92	0.35	61500.00	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	RDX	93	44	47	44	47	3933.29	0.13	29600.00	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Trinitrobenzene[1,3,5-]	26	3	12	3	12	0.66	0.13	1.66	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	Trinitrobenzene[1,3,5-]	93	4	4	4	4	0.44	0.25	0.74	mg/kg	Sediment		
16-021(c)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	26	6	23	6	23	8279.59	5.45	31900.00	mg/kg	Soil		
16-021(c)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	93	43	46	43	46	217.29	0.09	4570.00	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Anthracene	40	7	18	7	18	3.02	0.87	6.90	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzo(a)anthracene	40	4	10	4	10	0.14	0.07	0.31	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzo(a)pyrene	40	4	10	4	10	0.16	0.07	0.39	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzo(b)fluoranthene	40	4	10	4	10	0.21	0.07	0.43	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzo(g,h,i)perylene	40	3	8	3	8	0.09	0.06	0.15	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzo(k)fluoranthene	40	3	8	3	8	0.17	0.06	0.37	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzoic Acid	26	7	27	7	27	0.14	0.02	0.43	mg/kg	Soil		
16-021(c)	ORGANIC	SVOA	Benzoic Acid	40	4	10	4	10	0.27	0.04	0.75	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Benzyl Alcohol	40	1	3	1	3	0.24	0.24	0.24	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	26	6	23	6	23	766.90	0.08	4600.00	mg/kg	Soil		
16-021(c)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	40	14	35	14	35	2.11	0.04	16.00	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Chrysene	40	3	8	3	8	0.19	0.10	0.37	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Di-n-butylphthalate	26	1	4	1	4	0.09	0.09	0.09	mg/kg	Soil		
16-021(c)	ORGANIC	SVOA	Di-n-butylphthalate	40	2	5	2	5	0.09	0.05	0.13	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Dinitrotoluene[2,4-]	26	8	31	8	31	0.49	0.05	2.60	mg/kg	Soil		
16-021(c)	ORGANIC	SVOA	Dinitrotoluene[2,4-]	38	10	26	10	26	0.43	0.09	0.79	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Dinitrotoluene[2,6-]	26	1	4	1	4	0.08	0.08	0.08	mg/kg	Soil		
16-021(c)	ORGANIC	SVOA	Dinitrotoluene[2,6-]	40	6	15	6	15	0.20	0.05	0.44	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Fluoranthene	40	5	13	5	13	0.24	0.06	0.69	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	40	3	8	3	8	0.09	0.06	0.16	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Naphthalene	26	1	4	1	4	0.05	0.05	0.05	mg/kg	Soil		
16-021(c)	ORGANIC	SVOA	Naphthalene	40	1	3	1	3	0.07	0.07	0.07	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Nitrosodiphenylamine[N-]	40	1	3	1	3	0.06	0.06	0.06	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Phenanthrene	40	7	18	7	18	0.85	0.05	4.60	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Phenol	40	1	3	1	3	0.34	0.34	0.34	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Pyrene	40	7	18	7	18	0.24	0.05	0.89	mg/kg	Sediment		
16-021(c)	ORGANIC	SVOA	Pyridine	6	1	17	1	17	0.16	0.16	0.16	mg/kg	Sediment		
16-021(c)	ORGANIC	VOA	Acetone	12	3	25	3	25	0.03	0.01	0.07	mg/kg	Soil		
16-021(c)	ORGANIC	VOA	Benzene	10	1	10	1	10	0.0020	0.0020	0.0020	mg/kg	Sediment		

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16-021(c)	ORGANIC	VOA	Dichlorodifluoromethane	10	3	30	3	30	0.0040	0.0030	0.0050	mg/kg	Sediment		
16-021(c)	ORGANIC	VOA	Isopropyltoluene[4-]	10	1	10	1	10	0.06	0.06	0.06	mg/kg	Sediment		
16-021(c)	ORGANIC	VOA	Isopropyltoluene[4-]	12	3	25	3	25	0.01	0.00	0.01	mg/kg	Soil		
16-021(c)	ORGANIC	VOA	Methylene Chloride	12	1	8	1	8	0.0013	0.0013	0.0013	mg/kg	Soil		
16-021(c)	ORGANIC	VOA	Toluene	10	5	50	5	50	0.01	0.00	0.04	mg/kg	Sediment		
16-021(c)	ORGANIC	VOA	Toluene	12	2	17	2	17	0.0011	0.0009	0.0013	mg/kg	Soil		
16-021(c)	ORGANIC	VOA	Trichloro-1,2,2-trifluoroethane[1,	10	1	10	1	10	0.0030	0.0030	0.0030	mg/kg	Sediment		
16-021(c)	ORGANIC	VOA	Trichlorofluoromethane	10	3	30	3	30	0.0023	0.0020	0.0030	mg/kg	Sediment		
16-021(c)	ORGANIC	VOA	Trichlorofluoromethane	12	2	17	2	17	0.01	0.00	0.02	mg/kg	Soil		
16-021(c)	RAD	RAD	Uranium-234	5	5	100	1	20	1.60	0.96	2.60	pCi/g	Soil	2.59	pCi/g
16-026(a)	INORGANIC	Metals	Barium	6	6	100	4	67	2450.87	29.20	6540.00	mg/kg	Soil	295	mg/kg
16-026(a)	INORGANIC	Metals	Copper	6	6	100	2	33	12.90	5.40	25.10	mg/kg	Soil	14.7	mg/kg
16-026(a)	INORGANIC	Metals	Lead	6	6	100	3	50	16.15	3.40	23.30	mg/kg	Soil	22.3	mg/kg
16-026(a)	INORGANIC	Metals	Mercury	6	4	67	3	50	0.13	0.09	0.17	mg/kg	Soil	0.1	mg/kg
16-026(a)	INORGANIC	Metals	Thallium	6	1	17	1	17	1.00	1.00	1.00	mg/kg	Soil	0.73	mg/kg
16-026(a)	INORGANIC	Metals	Zinc	6	6	100	3	50	57.17	29.70	107.00	mg/kg	Soil	48.8	mg/kg
16-026(a)	ORGANIC	SVOA	Benzoic Acid	6	4	67	4	67	0.46	0.20	0.67	mg/kg	Soil		
16-026(a)	ORGANIC	SVOA	Dichlorobenzene[1,4-]	6	1	17	1	17	0.05	0.05	0.05	mg/kg	Soil		
16-026(a)	ORGANIC	SVOA	Di-n-butylphthalate	6	1	17	1	17	0.05	0.05	0.05	mg/kg	Soil		
16-026(a)	ORGANIC	SVOA	Fluoranthene	6	1	17	1	17	0.05	0.05	0.05	mg/kg	Soil		
16-026(a)	ORGANIC	VOA	Acetone	3	1	33	1	33	0.01	0.01	0.01	mg/kg	Soil		
16-026(a)	ORGANIC	VOA	Isopropyltoluene[4-]	3	1	33	1	33	0.01	0.01	0.01	mg/kg	Soil		
16-026(a)	ORGANIC	VOA	Methylene Chloride	3	1	33	1	33	0.0030	0.0030	0.0030	mg/kg	Soil		
16-026(a)	ORGANIC	VOA	Toluene	3	1	33	1	33	0.0030	0.0030	0.0030	mg/kg	Soil		
16-026(h2)	INORGANIC	Metals	Barium	6	6	100	3	50	96.43	38.70	175.00	mg/kg	Sediment	127	mg/kg
16-026(h2)	INORGANIC	Metals	Cadmium	1	1	100	1	100	2.09	2.09	2.09	mg/kg	Soil	0.4	mg/kg
16-026(h2)	INORGANIC	Metals	Cadmium	6	1	17	1	17	6.30	6.30	6.30	mg/kg	Sediment	0.4	mg/kg
16-026(h2)	INORGANIC	Metals	Chromium	1	1	100	1	100	42.10	42.10	42.10	mg/kg	Soil	19.3	mg/kg
16-026(h2)	INORGANIC	Metals	Chromium	6	6	100	2	33	13.57	1.40	61.10	mg/kg	Sediment	10.5	mg/kg
16-026(h2)	INORGANIC	Metals	Copper	1	1	100	1	100	61.20	61.20	61.20	mg/kg	Soil	14.7	mg/kg
16-026(h2)	INORGANIC	Metals	Copper	6	6	100	2	33	9.47	2.60	30.80	mg/kg	Sediment	11.2	mg/kg
16-026(h2)	INORGANIC	Metals	Iron	1	1	100	1	100	40000.00	40000.00	40000.00	mg/kg	Soil	21500	mg/kg
16-026(h2)	INORGANIC	Metals	Lead	1	1	100	1	100	25.10	25.10	25.10	mg/kg	Soil	22.3	mg/kg
16-026(h2)	INORGANIC	Metals	Lead	6	6	100	2	33	26.98	7.50	64.00	mg/kg	Sediment	19.7	mg/kg
16-026(h2)	INORGANIC	Metals	Nickel	1	1	100	1	100	24.90	24.90	24.90	mg/kg	Soil	15.4	mg/kg
16-026(h2)	INORGANIC	Metals	Nickel	6	3	50	1	17	5.50	2.10	12.10	mg/kg	Sediment	9.38	mg/kg
16-026(h2)	INORGANIC	Metals	Zinc	1	1	100	1	100	248.00	248.00	248.00	mg/kg	Soil	48.8	mg/kg
16-026(h2)	INORGANIC	Metals	Zinc	6	6	100	2	33	167.93	9.40	900.00	mg/kg	Sediment	60.2	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-026(h2)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	1	1	100	1	100	1.61	1.61	1.61	mg/kg	Soil		
16-026(h2)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	6	1	17	1	17	0.84	0.84	0.84	mg/kg	Sediment		
16-026(h2)	ORGANIC	HEXP	HMX	6	1	17	1	17	2.86	2.86	2.86	mg/kg	Sediment		
16-026(h2)	ORGANIC	HEXP	Nitrobenzene	1	1	100	1	100	0.29	0.29	0.29	mg/kg	Soil		
16-026(h2)	ORGANIC	HEXP	Nitrobenzene	6	1	17	1	17	20.50	20.50	20.50	mg/kg	Sediment		
16-026(h2)	ORGANIC	HEXP	Nitrotoluene[4-]	6	1	17	1	17	0.79	0.79	0.79	mg/kg	Sediment		
16-026(h2)	ORGANIC	HEXP	RDX	6	1	17	1	17	0.19	0.19	0.19	mg/kg	Sediment		
16-026(h2)	ORGANIC	HEXP	Tetryl	1	1	100	1	100	3.21	3.21	3.21	mg/kg	Soil		
16-026(h2)	ORGANIC	HEXP	Tetryl	6	1	17	1	17	2.71	2.71	2.71	mg/kg	Sediment		
16-026(h2)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	1	1	100	1	100	0.58	0.58	0.58	mg/kg	Soil		
16-026(h2)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	6	1	17	1	17	0.12	0.12	0.12	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Acenaphthene	1	1	100	1	100	16.00	16.00	16.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Acenaphthene	6	3	50	3	50	3.24	0.12	9.40	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Acenaphthylene	1	1	100	1	100	0.75	0.75	0.75	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Anthracene	1	1	100	1	100	28.00	28.00	28.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Anthracene	6	3	50	3	50	6.49	0.17	19.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Benzo(a)anthracene	1	1	100	1	100	75.00	75.00	75.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Benzo(a)anthracene	6	3	50	3	50	10.67	0.45	31.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Benzo(a)pyrene	1	1	100	1	100	68.00	68.00	68.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Benzo(a)pyrene	6	3	50	3	50	9.04	0.49	26.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Benzo(b)fluoranthene	1	1	100	1	100	120.00	120.00	120.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Benzo(b)fluoranthene	6	3	50	3	50	13.79	0.60	40.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Benzo(g,h,i)perylene	1	1	100	1	100	33.00	33.00	33.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Benzo(g,h,i)perylene	6	3	50	3	50	4.20	0.25	12.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Benzo(k)fluoranthene	1	1	100	1	100	31.00	31.00	31.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Benzo(k)fluoranthene	6	3	50	3	50	4.89	0.30	14.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Benzoic Acid	6	2	33	2	33	0.32	0.23	0.40	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	6	4	67	4	67	0.07	0.04	0.15	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Chrysene	1	1	100	1	100	110.00	110.00	110.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Chrysene	6	3	50	3	50	13.10	0.56	38.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Dibenz(a,h)anthracene	1	1	100	1	100	8.70	8.70	8.70	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Dibenz(a,h)anthracene	6	3	50	3	50	1.05	0.06	3.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Dibenzofuran	1	1	100	1	100	9.20	9.20	9.20	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Dibenzofuran	6	3	50	3	50	2.04	0.04	6.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Fluoranthene	1	1	100	1	100	190.00	190.00	190.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Fluoranthene	6	4	67	4	67	18.41	0.04	71.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Fluorene	1	1	100	1	100	15.00	15.00	15.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Fluorene	6	3	50	3	50	3.42	0.10	10.00	mg/kg	Sediment		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-026(h2)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	1	1	100	1	100	35.00	35.00	35.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	6	3	50	3	50	4.55	0.28	13.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Methylnaphthalene[2-]	1	1	100	1	100	5.00	5.00	5.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Methylnaphthalene[2-]	6	2	33	2	33	2.53	0.05	5.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Naphthalene	1	1	100	1	100	11.00	11.00	11.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Naphthalene	6	3	50	3	50	5.07	0.05	15.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Phenanthrene	1	1	100	1	100	140.00	140.00	140.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Phenanthrene	6	3	50	3	50	20.31	0.73	59.00	mg/kg	Sediment		
16-026(h2)	ORGANIC	SVOA	Pyrene	1	1	100	1	100	140.00	140.00	140.00	mg/kg	Soil		
16-026(h2)	ORGANIC	SVOA	Pyrene	6	4	67	4	67	14.31	0.06	54.00	mg/kg	Sediment		
16-026(j)	ORGANIC	SVOA	Acenaphthene	2	2	100	2	100	0.14	0.09	0.18	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Anthracene	2	2	100	2	100	0.23	0.15	0.30	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Benzo(a)anthracene	2	2	100	2	100	0.30	0.23	0.36	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Benzo(a)pyrene	2	2	100	2	100	0.25	0.19	0.31	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Benzo(b)fluoranthene	2	2	100	2	100	0.42	0.32	0.52	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Chrysene	2	2	100	2	100	0.31	0.23	0.39	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Dibenzofuran	2	2	100	2	100	0.10	0.06	0.13	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Fluoranthene	2	2	100	2	100	0.78	0.55	1.00	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Fluorene	2	2	100	2	100	0.14	0.09	0.20	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Methylnaphthalene[2-]	2	2	100	2	100	0.07	0.05	0.09	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Naphthalene	2	2	100	2	100	0.25	0.18	0.32	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Phenanthrene	2	2	100	2	100	0.83	0.56	1.10	mg/kg	Soil		
16-026(j)	ORGANIC	SVOA	Pyrene	2	2	100	2	100	0.72	0.55	0.90	mg/kg	Soil		
16-026(v)	INORGANIC	Metals	Barium	3	3	100	1	33	234.67	167.00	317.00	mg/kg	Soil	295	mg/kg
16-026(v)	INORGANIC	Metals	Barium	6	6	100	2	33	118.37	63.50	194.00	mg/kg	Sediment	127	mg/kg
16-026(v)	INORGANIC	Metals	Chromium	3	3	100	1	33	11.00	4.80	19.60	mg/kg	Soil	19.3	mg/kg
16-026(v)	INORGANIC	Metals	Chromium	6	6	100	5	83	18.97	10.10	26.50	mg/kg	Sediment	10.5	mg/kg
16-026(v)	INORGANIC	Metals	Cobalt	6	5	83	1	17	3.38	2.38	4.90	mg/kg	Sediment	4.73	mg/kg
16-026(v)	INORGANIC	Metals	Copper	3	3	100	1	33	27.07	7.10	65.80	mg/kg	Soil	14.7	mg/kg
16-026(v)	INORGANIC	Metals	Copper	6	6	100	5	83	109.08	11.10	412.00	mg/kg	Sediment	11.2	mg/kg
16-026(v)	INORGANIC	Metals	Iron	6	6	100	1	17	12596.67	4400.00	36100.00	mg/kg	Sediment	13800	mg/kg
16-026(v)	INORGANIC	Metals	Lead	3	3	100	1	33	34.10	8.30	79.90	mg/kg	Soil	22.3	mg/kg
16-026(v)	INORGANIC	Metals	Lead	6	6	100	5	83	46.78	13.40	103.00	mg/kg	Sediment	19.7	mg/kg
16-026(v)	INORGANIC	Metals	Mercury	3	2	67	1	33	2.21	0.09	4.33	mg/kg	Soil	0.1	mg/kg
16-026(v)	INORGANIC	Metals	Mercury	6	6	100	6	100	4.00	0.30	9.20	mg/kg	Sediment	0.1	mg/kg
16-026(v)	INORGANIC	Metals	Nickel	6	6	100	2	33	10.90	5.22	26.10	mg/kg	Sediment	9.38	mg/kg
16-026(v)	INORGANIC	Metals	Silver	3	1	33	1	33	5.25	5.25	5.25	mg/kg	Soil	1	mg/kg
16-026(v)	INORGANIC	Metals	Silver	6	5	83	5	83	4.77	1.70	7.77	mg/kg	Sediment	1	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-026(v)	INORGANIC	Metals	Uranium	2	2	100	2	100	3.13	2.41	3.86	mg/kg	Soil	1.82	mg/kg
16-026(v)	INORGANIC	Metals	Uranium	6	6	100	5	83	3.14	1.95	3.70	mg/kg	Sediment	2.22	mg/kg
16-026(v)	INORGANIC	Metals	Vanadium	6	6	100	1	17	18.30	16.00	23.00	mg/kg	Sediment	19.7	mg/kg
16-026(v)	INORGANIC	Metals	Zinc	3	3	100	2	67	61.10	33.30	101.00	mg/kg	Soil	48.8	mg/kg
16-026(v)	INORGANIC	Metals	Zinc	6	6	100	5	83	150.30	43.90	321.00	mg/kg	Sediment	60.2	mg/kg
16-026(v)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	3	1	33	1	33	0.40	0.40	0.40	mg/kg	Soil		
16-026(v)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	3	1	33	1	33	0.46	0.46	0.46	mg/kg	Soil		
16-026(v)	ORGANIC	HEXP	HMX	3	1	33	1	33	24.60	24.60	24.60	mg/kg	Soil		
16-026(v)	ORGANIC	HEXP	RDX	3	1	33	1	33	1.37	1.37	1.37	mg/kg	Soil		
16-026(v)	ORGANIC	HEXP	TATB	4	3	75	3	75	8.00	2.41	11.10	mg/kg	Sediment		
16-026(v)	ORGANIC	HEXP	Tetryl	6	2	33	2	33	0.11	0.10	0.12	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Acenaphthene	6	3	50	3	50	0.44	0.32	0.67	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Anthracene	6	3	50	3	50	1.11	0.72	1.30	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Benzo(a)anthracene	6	3	50	3	50	3.47	1.90	4.90	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Benzo(a)pyrene	6	3	50	3	50	3.10	2.00	3.90	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Benzo(b)fluoranthene	6	4	67	4	67	4.32	2.20	6.50	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Benzo(g,h,i)perylene	6	3	50	3	50	1.27	1.20	1.40	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Benzo(k)fluoranthene	6	3	50	3	50	2.00	1.00	2.70	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Benzoic Acid	6	1	17	1	17	0.59	0.59	0.59	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	3	2	67	2	67	0.17	0.10	0.24	mg/kg	Soil		
16-026(v)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	6	4	67	4	67	1.76	0.44	2.90	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Chrysene	3	1	33	1	33	0.07	0.07	0.07	mg/kg	Soil		
16-026(v)	ORGANIC	SVOA	Chrysene	6	3	50	3	50	4.53	2.20	5.80	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Dibenz(a,h)anthracene	6	3	50	3	50	0.37	0.31	0.44	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Dibenzofuran	6	3	50	3	50	0.20	0.12	0.35	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Diethylphthalate	3	1	33	1	33	0.09	0.09	0.09	mg/kg	Soil		
16-026(v)	ORGANIC	SVOA	Fluoranthene	3	1	33	1	33	0.14	0.14	0.14	mg/kg	Soil		
16-026(v)	ORGANIC	SVOA	Fluoranthene	6	5	83	5	83	5.93	0.94	10.00	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Fluorene	6	3	50	3	50	0.44	0.31	0.66	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	6	3	50	3	50	1.43	1.30	1.60	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Methylphenol[4-]	6	2	33	2	33	0.24	0.06	0.42	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Naphthalene	6	3	50	3	50	0.18	0.08	0.36	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Phenanthrene	3	1	33	1	33	0.09	0.09	0.09	mg/kg	Soil		
16-026(v)	ORGANIC	SVOA	Phenanthrene	6	5	83	5	83	3.32	0.51	6.60	mg/kg	Sediment		
16-026(v)	ORGANIC	SVOA	Pyrene	3	1	33	1	33	0.12	0.12	0.12	mg/kg	Soil		
16-026(v)	ORGANIC	SVOA	Pyrene	6	6	100	6	100	4.61	0.07	9.50	mg/kg	Sediment		
16-026(v)	ORGANIC	VOA	Methylene Chloride	2	1	50	1	50	0.0040	0.0040	0.0040	mg/kg	Soil		
16-026(v)	ORGANIC	VOA	Trichlorofluoromethane	2	1	50	1	50	0.01	0.01	0.01	mg/kg	Soil		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-028(b)	INORGANIC	Metals	Cadmium	1	1	100	1	100	1.70	1.70	1.70	mg/kg	Soil	0.4	mg/kg
16-028(b)	INORGANIC	Metals	Chromium	1	1	100	1	100	52.90	52.90	52.90	mg/kg	Soil	19.3	mg/kg
16-028(b)	INORGANIC	Metals	Cobalt	1	1	100	1	100	17.30	17.30	17.30	mg/kg	Soil	8.64	mg/kg
16-028(b)	INORGANIC	Metals	Copper	1	1	100	1	100	472.00	472.00	472.00	mg/kg	Soil	14.7	mg/kg
16-028(b)	INORGANIC	Metals	Lead	1	1	100	1	100	148.00	148.00	148.00	mg/kg	Soil	22.3	mg/kg
16-028(b)	INORGANIC	Metals	Mercury	1	1	100	1	100	0.37	0.37	0.37	mg/kg	Soil	0.1	mg/kg
16-028(b)	INORGANIC	Metals	Nickel	1	1	100	1	100	70.20	70.20	70.20	mg/kg	Soil	15.4	mg/kg
16-028(b)	INORGANIC	Metals	Uranium	1	1	100	1	100	2.84	2.84	2.84	mg/kg	Soil	1.82	mg/kg
16-028(b)	INORGANIC	Metals	Zinc	1	1	100	1	100	540.00	540.00	540.00	mg/kg	Soil	48.8	mg/kg
16-028(b)	ORGANIC	HEXP	Dinitrobenzene[1,3-]	1	1	100	1	100	2.80	2.80	2.80	mg/kg	Soil		
16-028(b)	ORGANIC	HEXP	Nitrotoluene[3-]	1	1	100	1	100	6.10	6.10	6.10	mg/kg	Soil		
16-028(b)	ORGANIC	HEXP	Nitrotoluene[4-]	1	1	100	1	100	0.80	0.80	0.80	mg/kg	Soil		
16-028(b)	ORGANIC	HEXP	Tetryl	1	1	100	1	100	1.60	1.60	1.60	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Acenaphthene	1	1	100	1	100	8.60	8.60	8.60	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Benzo(a)anthracene	1	1	100	1	100	67.00	67.00	67.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Benzo(a)pyrene	1	1	100	1	100	71.00	71.00	71.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Benzo(b)fluoranthene	1	1	100	1	100	75.00	75.00	75.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Benzo(g,h,i)perylene	1	1	100	1	100	45.00	45.00	45.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	1	1	100	1	100	58.00	58.00	58.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Chrysene	1	1	100	1	100	120.00	120.00	120.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Fluoranthene	1	1	100	1	100	190.00	190.00	190.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Fluorene	1	1	100	1	100	9.60	9.60	9.60	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	1	1	100	1	100	44.00	44.00	44.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Phenanthrene	1	1	100	1	100	130.00	130.00	130.00	mg/kg	Soil		
16-028(b)	ORGANIC	SVOA	Pyrene	1	1	100	1	100	140.00	140.00	140.00	mg/kg	Soil		
16-028(e)	INORGANIC	Metals	Barium	7	7	100	3	43	122.23	24.30	215.00	mg/kg	Sediment	127	mg/kg
16-028(e)	INORGANIC	Metals	Beryllium	7	6	86	2	29	1.06	0.73	1.56	mg/kg	Sediment	1.31	mg/kg
16-028(e)	INORGANIC	Metals	Cobalt	7	6	86	3	43	5.05	2.30	8.24	mg/kg	Sediment	4.73	mg/kg
16-028(e)	INORGANIC	Metals	Mercury	7	6	86	3	43	0.09	0.07	0.12	mg/kg	Sediment	0.1	mg/kg
16-028(e)	INORGANIC	Metals	Uranium	2	2	100	1	50	2.17	1.28	3.07	mg/kg	Soil	1.82	mg/kg
16-028(e)	INORGANIC	Metals	Uranium	7	7	100	6	86	2.57	1.42	3.36	mg/kg	Sediment	2.22	mg/kg
16-028(e)	INORGANIC	Metals	Vanadium	7	7	100	4	57	17.99	7.30	23.50	mg/kg	Sediment	19.7	mg/kg
16-028(e)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	7	1	14	1	14	1.71	1.71	1.71	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	7	1	14	1	14	0.18	0.18	0.18	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	7	2	29	2	29	0.73	0.08	1.38	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	HMX	7	1	14	1	14	0.22	0.22	0.22	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	Nitroglyceron	5	1	20	1	20	30.10	30.10	30.10	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	PETN	5	1	20	1	20	113.00	113.00	113.00	mg/kg	Sediment		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-028(e)	ORGANIC	HEXP	Tetryl	7	2	29	2	29	2.65	0.53	4.76	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	Trinitrobenzene[1,3,5-]	7	1	14	1	14	0.85	0.85	0.85	mg/kg	Sediment		
16-028(e)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	7	1	14	1	14	0.58	0.58	0.58	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Acenaphthene	2	1	50	1	50	0.07	0.07	0.07	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Acenaphthene	7	4	57	4	57	0.53	0.05	1.10	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Acenaphthylene	7	2	29	2	29	0.06	0.06	0.06	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Anthracene	2	1	50	1	50	0.09	0.09	0.09	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Anthracene	7	4	57	4	57	0.87	0.10	1.60	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Benzo(a)anthracene	2	1	50	1	50	0.40	0.40	0.40	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Benzo(a)anthracene	7	4	57	4	57	2.76	0.45	5.10	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Benzo(a)pyrene	2	1	50	1	50	0.55	0.55	0.55	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Benzo(a)pyrene	7	4	57	4	57	3.51	0.66	5.90	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Benzo(b)fluoranthene	2	1	50	1	50	0.81	0.81	0.81	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Benzo(b)fluoranthene	7	5	71	5	71	4.27	0.05	8.60	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Benzo(g,h,i)perylene	2	1	50	1	50	0.30	0.30	0.30	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Benzo(g,h,i)perylene	7	4	57	4	57	1.77	0.43	3.10	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Benzo(k)fluoranthene	2	1	50	1	50	0.31	0.31	0.31	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Benzo(k)fluoranthene	7	1	14	1	14	0.42	0.42	0.42	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Benzoic Acid	2	1	50	1	50	0.13	0.13	0.13	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Benzoic Acid	7	2	29	2	29	0.17	0.14	0.20	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Chrysene	2	1	50	1	50	0.75	0.75	0.75	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Chrysene	7	4	57	4	57	3.17	0.87	5.30	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Dibenz(a,h)anthracene	2	1	50	1	50	0.06	0.06	0.06	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Dibenz(a,h)anthracene	7	4	57	4	57	0.40	0.08	0.80	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Dibenzofuran	2	1	50	1	50	0.04	0.04	0.04	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Dibenzofuran	7	3	43	3	43	0.34	0.09	0.59	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Di-n-butylphthalate	7	1	14	1	14	0.07	0.07	0.07	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Fluoranthene	2	1	50	1	50	1.20	1.20	1.20	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Fluoranthene	7	6	86	6	86	5.12	0.05	14.00	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Fluorene	2	1	50	1	50	0.06	0.06	0.06	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Fluorene	7	4	57	4	57	0.49	0.05	1.00	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	2	1	50	1	50	0.32	0.32	0.32	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	7	4	57	4	57	1.59	0.44	2.60	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Methylnaphthalene[2-]	7	2	29	2	29	0.24	0.16	0.32	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Methylphenol[4-]	7	2	29	2	29	0.04	0.04	0.05	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Naphthalene	2	1	50	1	50	0.04	0.04	0.04	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Naphthalene	7	3	43	3	43	0.50	0.09	0.96	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Phenanthrene	2	1	50	1	50	0.68	0.68	0.68	mg/kg	Soil		

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
16-028(e)	ORGANIC	SVOA	Phenanthrene	7	4	57	4	57	4.05	0.59	9.20	mg/kg	Sediment		
16-028(e)	ORGANIC	SVOA	Pyrene	2	1	50	1	50	0.85	0.85	0.85	mg/kg	Soil		
16-028(e)	ORGANIC	SVOA	Pyrene	7	5	71	5	71	5.44	0.05	12.00	mg/kg	Sediment		
16-028(e)	ORGANIC	VOA	Acetone	2	1	50	1	50	0.0050	0.0050	0.0050	mg/kg	Soil		
16-028(e)	ORGANIC	VOA	Methylene Chloride	2	2	100	2	100	0.0040	0.0040	0.0040	mg/kg	Soil		
16-030(g)	INORGANIC	Metals	Barium	3	3	100	1	33	178.23	67.40	391.00	mg/kg	Soil	295	mg/kg
16-030(g)	INORGANIC	Metals	Barium	6	6	100	2	33	112.92	58.40	214.00	mg/kg	Sediment	127	mg/kg
16-030(g)	INORGANIC	Metals	Chromium	3	3	100	1	33	16.43	3.62	36.90	mg/kg	Soil	19.3	mg/kg
16-030(g)	INORGANIC	Metals	Chromium	6	6	100	1	17	5.87	1.60	12.60	mg/kg	Sediment	10.5	mg/kg
16-030(g)	INORGANIC	Metals	Copper	6	6	100	3	50	32.32	3.70	73.00	mg/kg	Sediment	11.2	mg/kg
16-030(g)	INORGANIC	Metals	Lead	3	3	100	2	67	56.73	5.10	138.00	mg/kg	Soil	22.3	mg/kg
16-030(g)	INORGANIC	Metals	Lead	6	6	100	4	67	93.13	8.70	434.00	mg/kg	Sediment	19.7	mg/kg
16-030(g)	INORGANIC	Metals	Vanadium	6	6	100	1	17	10.92	5.80	20.90	mg/kg	Sediment	19.7	mg/kg
16-030(g)	INORGANIC	Metals	Zinc	3	3	100	2	67	81.57	35.70	107.00	mg/kg	Soil	48.8	mg/kg
16-030(g)	INORGANIC	Metals	Zinc	6	6	100	3	50	56.60	22.40	88.80	mg/kg	Sediment	60.2	mg/kg
16-030(g)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	3	1	33	1	33	0.22	0.22	0.22	mg/kg	Soil		
16-030(g)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	6	1	17	1	17	0.12	0.12	0.12	mg/kg	Sediment		
16-030(g)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	3	1	33	1	33	0.11	0.11	0.11	mg/kg	Soil		
16-030(g)	ORGANIC	HEXP	Dinitrotoluene[2,4-]	6	1	17	1	17	0.11	0.11	0.11	mg/kg	Sediment		
16-030(g)	ORGANIC	HEXP	HMX	3	1	33	1	33	0.36	0.36	0.36	mg/kg	Soil		
16-030(g)	ORGANIC	HEXP	HMX	6	1	17	1	17	1.72	1.72	1.72	mg/kg	Sediment		
16-030(g)	ORGANIC	HEXP	TATB	5	1	20	1	20	3.34	3.34	3.34	mg/kg	Sediment		
16-030(g)	ORGANIC	HEXP	Tetryl	3	1	33	1	33	0.14	0.14	0.14	mg/kg	Soil		
16-030(g)	ORGANIC	HEXP	Tetryl	6	1	17	1	17	0.10	0.10	0.10	mg/kg	Sediment		
16-030(g)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	3	1	33	1	33	0.31	0.31	0.31	mg/kg	Soil		
16-030(g)	ORGANIC	HEXP	Trinitrotoluene[2,4,6-]	6	3	50	3	50	0.26	0.11	0.48	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Acenaphthene	1	1	100	1	100	0.09	0.09	0.09	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Acenaphthene	3	1	33	1	33	0.84	0.84	0.84	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Anthracene	1	1	100	1	100	0.43	0.43	0.43	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Anthracene	3	2	67	2	67	0.95	0.11	1.80	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Benzo(a)anthracene	1	1	100	1	100	1.90	1.90	1.90	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Benzo(a)anthracene	3	1	33	1	33	3.30	3.30	3.30	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Benzo(a)pyrene	1	1	100	1	100	2.00	2.00	2.00	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Benzo(a)pyrene	3	2	67	2	67	1.64	0.07	3.20	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Benzo(b)fluoranthene	1	1	100	1	100	2.80	2.80	2.80	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Benzo(b)fluoranthene	3	2	67	2	67	2.45	0.09	4.80	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Benzo(g,h,i)perylene	1	1	100	1	100	0.99	0.99	0.99	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Benzo(g,h,i)perylene	3	1	33	1	33	1.40	1.40	1.40	mg/kg	Soil		

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16-030(g)	ORGANIC	SVOA	Benzo(k)fluoranthene	1	1	100	1	100	1.00	1.00	1.00	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Benzo(k)fluoranthene	3	1	33	1	33	2.50	2.50	2.50	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Chrysene	1	1	100	1	100	2.70	2.70	2.70	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Chrysene	3	2	67	2	67	2.50	0.10	4.90	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Dibenz(a,h)anthracene	1	1	100	1	100	0.29	0.29	0.29	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Dibenz(a,h)anthracene	3	1	33	1	33	0.41	0.41	0.41	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Dibenzofuran	1	1	100	1	100	0.05	0.05	0.05	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Dibenzofuran	3	1	33	1	33	0.53	0.53	0.53	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Di-n-butylphthalate	1	1	100	1	100	0.05	0.05	0.05	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Di-n-butylphthalate	3	1	33	1	33	0.04	0.04	0.04	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Fluoranthene	1	1	100	1	100	3.70	3.70	3.70	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Fluoranthene	3	2	67	2	67	4.58	0.16	9.00	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Fluorene	1	1	100	1	100	0.11	0.11	0.11	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Fluorene	3	1	33	1	33	0.96	0.96	0.96	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	1	1	100	1	100	1.10	1.10	1.10	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	3	1	33	1	33	1.40	1.40	1.40	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Naphthalene	3	1	33	1	33	0.86	0.86	0.86	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Phenanthrene	1	1	100	1	100	1.40	1.40	1.40	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Phenanthrene	3	2	67	2	67	3.35	0.10	6.60	mg/kg	Soil		
16-030(g)	ORGANIC	SVOA	Pyrene	1	1	100	1	100	2.60	2.60	2.60	mg/kg	Sediment		
16-030(g)	ORGANIC	SVOA	Pyrene	3	2	67	2	67	4.31	0.12	8.50	mg/kg	Soil		
16-030(g)	ORGANIC	VOA	Acetone	2	1	50	1	50	0.01	0.01	0.01	mg/kg	Soil		
18-003(c)	INORGANIC	Metals	Uranium	5	5	100	5	100	3.68	2.85	4.67	mg/kg	Soil	1.82	mg/kg
18-003(c)	INORGANIC	Metals	Zinc	5	5	100	1	20	33.54	26.60	56.00	mg/kg	Soil	48.8	mg/kg
18-003(c)	RAD	RAD	Plutonium-238	2	2	100	2	100	0.01	0.01	0.01	pCi/g	Sediment	0.006	pCi/g
18-010(d)	INORGANIC	Metals	Lead	2	2	100	2	100	43.05	40.90	45.20	mg/kg	Sediment	19.7	mg/kg
18-010(d)	INORGANIC	Metals	Zinc	2	2	100	1	50	67.60	31.20	104.00	mg/kg	Sediment	60.2	mg/kg
18-010(d)	ORGANIC	SVOA	Benzo(a)anthracene	2	1	50	1	50	0.37	0.37	0.37	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Benzo(a)pyrene	2	1	50	1	50	0.49	0.49	0.49	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Benzo(b)fluoranthene	2	1	50	1	50	0.65	0.65	0.65	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Chrysene	2	1	50	1	50	0.68	0.68	0.68	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Fluoranthene	2	1	50	1	50	1.00	1.00	1.00	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	2	1	50	1	50	0.36	0.36	0.36	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Phenanthrene	2	1	50	1	50	0.67	0.67	0.67	mg/kg	Sediment		
18-010(d)	ORGANIC	SVOA	Pyrene	2	1	50	1	50	0.86	0.86	0.86	mg/kg	Sediment		
18-010(f)	INORGANIC	Metals	Uranium	2	2	100	2	100	3.33	3.23	3.43	mg/kg	Sediment	2.22	mg/kg
18-012(b)	INORGANIC	Metals	Antimony	3	3	100	3	100	13.10	7.60	23.60	mg/kg	Sediment	0.83	mg/kg
18-012(b)	INORGANIC	Metals	Cadmium	3	2	67	1	33	0.44	0.40	0.48	mg/kg	Sediment	0.4	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
18-012(b)	INORGANIC	Metals	Cobalt	3	3	100	1	33	3.77	2.00	5.70	mg/kg	Sediment	4.73	mg/kg
18-012(b)	INORGANIC	Metals	Nickel	3	3	100	1	33	8.00	3.70	16.60	mg/kg	Sediment	9.38	mg/kg
18-012(b)	INORGANIC	Metals	Selenium	3	3	100	3	100	1.02	0.53	1.80	mg/kg	Sediment	0.3	mg/kg
18-012(b)	INORGANIC	Metals	Silver	2	2	100	1	50	1.95	1.00	2.90	mg/kg	Sediment	1	mg/kg
18-012(b)	INORGANIC	Metals	Thallium	3	3	100	3	100	1.08	0.82	1.60	mg/kg	Sediment	0.73	mg/kg
18-012(b)	INORGANIC	Metals	Zinc	3	1	33	1	33	116.00	116.00	116.00	mg/kg	Sediment	60.2	mg/kg
18-012(b)	ORGANIC	SVOA	Acenaphthene	2	1	50	1	50	32.00	32.00	32.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Anthracene	2	2	100	2	100	34.55	6.10	63.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Benzo(a)anthracene	2	2	100	2	100	129.50	19.00	240.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Benzo(a)pyrene	2	2	100	2	100	135.50	21.00	250.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Benzo(b)fluoranthene	2	2	100	2	100	156.50	23.00	290.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Benzo(g,h,i)perylene	2	2	100	2	100	70.00	10.00	130.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	2	2	100	2	100	61.00	12.00	110.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Chrysene	2	2	100	2	100	141.50	23.00	260.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Dibenz(a,h)anthracene	2	1	50	1	50	4.60	4.60	4.60	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Fluoranthene	2	2	100	2	100	280.00	40.00	520.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Fluorene	2	1	50	1	50	32.00	32.00	32.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	2	2	100	2	100	76.00	12.00	140.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Naphthalene	2	1	50	1	50	26.00	26.00	26.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Phenanthrene	2	2	100	2	100	159.50	29.00	290.00	mg/kg	Sediment		
18-012(b)	ORGANIC	SVOA	Pyrene	2	2	100	2	100	239.50	39.00	440.00	mg/kg	Sediment		
20-002(a)	INORGANIC	Metals	Copper	11	11	100	2	18	14.46	3.70	82.60	mg/kg	Soil	14.7	mg/kg
20-002(a)	INORGANIC	Metals	Lead	11	11	100	1	9	13.85	8.40	37.90	mg/kg	Soil	22.3	mg/kg
20-002(a)	INORGANIC	Metals	Uranium	11	11	100	11	100	3.10	2.40	5.08	mg/kg	Soil	1.82	mg/kg
21-011(c)	INORGANIC	Metals	Beryllium	63	46	73	1	2	3.31	0.25	124.00	mg/kg	Soil	1.83	mg/kg
21-011(c)	INORGANIC	Metals	Cadmium	63	31	49	31	49	1.21	0.69	2.20	mg/kg	Soil	0.4	mg/kg
21-011(c)	INORGANIC	Metals	Lead	63	63	100	1	2	14.10	6.10	61.30	mg/kg	Soil	22.3	mg/kg
21-011(c)	INORGANIC	Metals	Nickel	63	45	71	1	2	6.29	3.10	19.40	mg/kg	Soil	15.4	mg/kg
21-011(c)	INORGANIC	Metals	Silver	63	3	5	3	5	1.23	1.10	1.30	mg/kg	Soil	1	mg/kg
21-011(c)	INORGANIC	Metals	Zinc	63	63	100	10	16	38.39	17.90	132.00	mg/kg	Soil	48.8	mg/kg
21-011(c)	ORGANIC	SVOA	Benzo(a)anthracene	63	2	3	2	3	0.51	0.40	0.61	mg/kg	Soil		
21-011(c)	ORGANIC	SVOA	Benzo(b)fluoranthene	63	2	3	2	3	0.56	0.52	0.61	mg/kg	Soil		
21-011(c)	ORGANIC	SVOA	Benzo(k)fluoranthene	63	1	2	1	2	0.61	0.61	0.61	mg/kg	Soil		
21-011(c)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	63	1	2	1	2	0.44	0.44	0.44	mg/kg	Soil		
21-011(c)	ORGANIC	SVOA	Chrysene	63	2	3	2	3	0.65	0.48	0.83	mg/kg	Soil		
21-011(c)	ORGANIC	SVOA	Fluoranthene	63	4	6	4	6	1.19	0.59	2.50	mg/kg	Soil		
21-011(c)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	63	1	2	1	2	0.43	0.43	0.43	mg/kg	Soil		
21-011(c)	RAD	RAD	Americium-241	64	61	95	55	86	4.02	0.01	83.21	pCi/g	Soil	0.013	pCi/g

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
21-011(c)	RAD	RAD	Cesium-137	25	22	88	8	32	25.10	0.28	431.42	pCi/g	Soil	1.65	pCi/g
21-011(c)	RAD	RAD	Plutonium-238	64	59	92	47	73	1.02	0.01	6.85	pCi/g	Soil	0.023	pCi/g
21-011(c)	RAD	RAD	Plutonium-239	64	63	98	54	84	8.65	0.01	201.25	pCi/g	Soil	0.054	pCi/g
21-011(c)	RAD	RAD	Strontium-90	64	20	31	7	11	14.14	0.20	239.70	pCi/g	Soil	1.31	pCi/g
21-011(c)	RAD	RAD	Uranium-234	49	49	100	2	4	1.56	0.87	3.36	pCi/g	Soil	2.59	pCi/g
21-011(c)	RAD	RAD	Uranium-235	51	2	4	1	2	0.29	0.20	0.38	pCi/g	Soil	0.2	pCi/g
21-016(a)	INORGANIC	Metals	Beryllium	64	47	73	1	2	3.25	0.25	124.00	mg/kg	Soil	1.83	mg/kg
21-016(a)	INORGANIC	Metals	Cadmium	64	32	50	32	50	1.20	0.69	2.20	mg/kg	Soil	0.4	mg/kg
21-016(a)	INORGANIC	Metals	Lead	64	64	100	1	2	14.05	6.10	61.30	mg/kg	Soil	22.3	mg/kg
21-016(a)	INORGANIC	Metals	Nickel	64	46	72	1	2	6.30	3.10	19.40	mg/kg	Soil	15.4	mg/kg
21-016(a)	INORGANIC	Metals	Silver	64	3	5	3	5	1.23	1.10	1.30	mg/kg	Soil	1	mg/kg
21-016(a)	INORGANIC	Metals	Zinc	64	64	100	10	16	38.19	17.90	132.00	mg/kg	Soil	48.8	mg/kg
21-016(a)	ORGANIC	SVOA	Benzo(a)anthracene	64	2	3	2	3	0.51	0.40	0.61	mg/kg	Soil		
21-016(a)	ORGANIC	SVOA	Benzo(b)fluoranthene	64	2	3	2	3	0.56	0.52	0.61	mg/kg	Soil		
21-016(a)	ORGANIC	SVOA	Benzo(k)fluoranthene	64	1	2	1	2	0.61	0.61	0.61	mg/kg	Soil		
21-016(a)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	64	1	2	1	2	0.44	0.44	0.44	mg/kg	Soil		
21-016(a)	ORGANIC	SVOA	Chrysene	64	2	3	2	3	0.65	0.48	0.83	mg/kg	Soil		
21-016(a)	ORGANIC	SVOA	Fluoranthene	64	4	6	4	6	1.19	0.59	2.50	mg/kg	Soil		
21-016(a)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	64	1	2	1	2	0.43	0.43	0.43	mg/kg	Soil		
21-016(a)	RAD	RAD	Americium-241	65	61	94	55	85	4.02	0.01	83.21	pCi/g	Soil	0.013	pCi/g
21-016(a)	RAD	RAD	Cesium-137	25	22	88	8	32	25.10	0.28	431.42	pCi/g	Soil	1.65	pCi/g
21-016(a)	RAD	RAD	Plutonium-238	65	59	91	47	72	1.02	0.01	6.85	pCi/g	Soil	0.023	pCi/g
21-016(a)	RAD	RAD	Plutonium-239	65	63	97	54	83	8.65	0.01	201.25	pCi/g	Soil	0.054	pCi/g
21-016(a)	RAD	RAD	Strontium-90	65	20	31	7	11	14.14	0.20	239.70	pCi/g	Soil	1.31	pCi/g
21-016(a)	RAD	RAD	Uranium-234	50	50	100	2	4	1.55	0.87	3.36	pCi/g	Soil	2.59	pCi/g
21-016(a)	RAD	RAD	Uranium-235	52	2	4	1	2	0.29	0.20	0.38	pCi/g	Soil	0.2	pCi/g
21-016(b)	INORGANIC	Metals	Beryllium	64	47	73	1	2	3.25	0.25	124.00	mg/kg	Soil	1.83	mg/kg
21-016(b)	INORGANIC	Metals	Cadmium	64	32	50	32	50	1.19	0.69	2.20	mg/kg	Soil	0.4	mg/kg
21-016(b)	INORGANIC	Metals	Lead	64	64	100	1	2	14.03	6.10	61.30	mg/kg	Soil	22.3	mg/kg
21-016(b)	INORGANIC	Metals	Nickel	64	46	72	1	2	6.29	3.10	19.40	mg/kg	Soil	15.4	mg/kg
21-016(b)	INORGANIC	Metals	Silver	64	3	5	3	5	1.23	1.10	1.30	mg/kg	Soil	1	mg/kg
21-016(b)	INORGANIC	Metals	Zinc	64	64	100	10	16	38.17	17.90	132.00	mg/kg	Soil	48.8	mg/kg
21-016(b)	ORGANIC	SVOA	Benzo(a)anthracene	64	2	3	2	3	0.51	0.40	0.61	mg/kg	Soil		
21-016(b)	ORGANIC	SVOA	Benzo(b)fluoranthene	64	2	3	2	3	0.56	0.52	0.61	mg/kg	Soil		
21-016(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	64	1	2	1	2	0.61	0.61	0.61	mg/kg	Soil		
21-016(b)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	64	1	2	1	2	0.44	0.44	0.44	mg/kg	Soil		
21-016(b)	ORGANIC	SVOA	Chrysene	64	2	3	2	3	0.65	0.48	0.83	mg/kg	Soil		
21-016(b)	ORGANIC	SVOA	Fluoranthene	64	4	6	4	6	1.19	0.59	2.50	mg/kg	Soil		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
21-016(b)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	64	1	2	1	2	0.43	0.43	0.43	mg/kg	Soil		
21-016(b)	RAD	RAD	Americium-241	65	62	95	55	85	3.96	0.01	83.21	pCi/g	Soil	0.013	pCi/g
21-016(b)	RAD	RAD	Cesium-137	25	22	88	8	32	25.10	0.28	431.42	pCi/g	Soil	1.65	pCi/g
21-016(b)	RAD	RAD	Plutonium-238	65	59	91	47	72	1.02	0.01	6.85	pCi/g	Soil	0.023	pCi/g
21-016(b)	RAD	RAD	Plutonium-239	65	63	97	54	83	8.65	0.01	201.25	pCi/g	Soil	0.054	pCi/g
21-016(b)	RAD	RAD	Strontium-90	65	20	31	7	11	14.14	0.20	239.70	pCi/g	Soil	1.31	pCi/g
21-016(b)	RAD	RAD	Uranium-234	50	50	100	2	4	1.56	0.87	3.36	pCi/g	Soil	2.59	pCi/g
21-016(b)	RAD	RAD	Uranium-235	52	2	4	1	2	0.29	0.20	0.38	pCi/g	Soil	0.2	pCi/g
21-016(c)	INORGANIC	Metals	Beryllium	63	46	73	1	2	3.31	0.25	124.00	mg/kg	Soil	1.83	mg/kg
21-016(c)	INORGANIC	Metals	Cadmium	63	31	49	31	49	1.21	0.69	2.20	mg/kg	Soil	0.4	mg/kg
21-016(c)	INORGANIC	Metals	Lead	63	63	100	1	2	14.10	6.10	61.30	mg/kg	Soil	22.3	mg/kg
21-016(c)	INORGANIC	Metals	Nickel	63	45	71	1	2	6.29	3.10	19.40	mg/kg	Soil	15.4	mg/kg
21-016(c)	INORGANIC	Metals	Silver	63	3	5	3	5	1.23	1.10	1.30	mg/kg	Soil	1	mg/kg
21-016(c)	INORGANIC	Metals	Zinc	63	63	100	10	16	38.39	17.90	132.00	mg/kg	Soil	48.8	mg/kg
21-016(c)	ORGANIC	SVOA	Benzo(a)anthracene	63	2	3	2	3	0.51	0.40	0.61	mg/kg	Soil		
21-016(c)	ORGANIC	SVOA	Benzo(b)fluoranthene	63	2	3	2	3	0.56	0.52	0.61	mg/kg	Soil		
21-016(c)	ORGANIC	SVOA	Benzo(k)fluoranthene	63	1	2	1	2	0.61	0.61	0.61	mg/kg	Soil		
21-016(c)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	63	1	2	1	2	0.44	0.44	0.44	mg/kg	Soil		
21-016(c)	ORGANIC	SVOA	Chrysene	63	2	3	2	3	0.65	0.48	0.83	mg/kg	Soil		
21-016(c)	ORGANIC	SVOA	Fluoranthene	63	4	6	4	6	1.19	0.59	2.50	mg/kg	Soil		
21-016(c)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	63	1	2	1	2	0.43	0.43	0.43	mg/kg	Soil		
21-016(c)	RAD	RAD	Americium-241	64	61	95	55	86	4.02	0.01	83.21	pCi/g	Soil	0.013	pCi/g
21-016(c)	RAD	RAD	Cesium-137	25	22	88	8	32	25.10	0.28	431.42	pCi/g	Soil	1.65	pCi/g
21-016(c)	RAD	RAD	Plutonium-238	64	59	92	47	73	1.02	0.01	6.85	pCi/g	Soil	0.023	pCi/g
21-016(c)	RAD	RAD	Plutonium-239	64	63	98	54	84	8.65	0.01	201.25	pCi/g	Soil	0.054	pCi/g
21-016(c)	RAD	RAD	Strontium-90	64	20	31	7	11	14.14	0.20	239.70	pCi/g	Soil	1.31	pCi/g
21-016(c)	RAD	RAD	Uranium-234	49	49	100	2	4	1.56	0.87	3.36	pCi/g	Soil	2.59	pCi/g
21-016(c)	RAD	RAD	Uranium-235	51	2	4	1	2	0.29	0.20	0.38	pCi/g	Soil	0.2	pCi/g
21-024(e)	INORGANIC	Metals	Aluminum	5	5	100	2	40	29178.00	9690.00	57500.00	mg/kg	Soil	29200	mg/kg
21-024(e)	INORGANIC	Metals	Barium	5	5	100	2	40	292.60	142.00	484.00	mg/kg	Soil	295	mg/kg
21-024(e)	INORGANIC	Metals	Beryllium	5	5	100	2	40	1.59	0.70	3.00	mg/kg	Soil	1.83	mg/kg
21-024(e)	INORGANIC	Metals	Cadmium	5	5	100	5	100	3.98	2.30	7.90	mg/kg	Soil	0.4	mg/kg
21-024(e)	INORGANIC	Metals	Chromium	5	5	100	3	60	22.30	15.00	30.50	mg/kg	Soil	19.3	mg/kg
21-024(e)	INORGANIC	Metals	Copper	5	5	100	3	60	24.02	13.50	37.50	mg/kg	Soil	14.7	mg/kg
21-024(e)	INORGANIC	Metals	Lead	5	5	100	5	100	51.58	29.40	75.00	mg/kg	Soil	22.3	mg/kg
21-024(e)	INORGANIC	Metals	Uranium	5	5	100	5	100	23.80	15.00	37.70	mg/kg	Soil	1.82	mg/kg
21-024(e)	INORGANIC	Metals	Vanadium	5	5	100	3	60	38.42	26.20	48.30	mg/kg	Soil	39.6	mg/kg
21-024(e)	INORGANIC	Metals	Zinc	5	5	100	5	100	201.40	136.00	262.00	mg/kg	Soil	48.8	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
21-024(e)	RAD	RAD	Americium-241	11	7	64	7	64	1.02	0.46	1.59	pCi/g	Soil	0.013	pCi/g
21-024(e)	RAD	RAD	Europium-152	6	1	17	1	17	0.71	0.71	0.71	pCi/g	Soil		
21-024(e)	RAD	RAD	Plutonium-238	11	5	45	5	45	0.08	0.04	0.14	pCi/g	Soil	0.023	pCi/g
21-024(e)	RAD	RAD	Plutonium-239	11	11	100	11	100	17.47	2.30	47.74	pCi/g	Soil	0.054	pCi/g
21-024(e)	RAD	RAD	Uranium-234	7	7	100	3	43	3.87	0.70	11.10	pCi/g	Soil	2.59	pCi/g
21-024(e)	RAD	RAD	Uranium-235	7	5	71	2	29	0.20	0.05	0.44	pCi/g	Soil	0.2	pCi/g
21-024(e)	RAD	RAD	Uranium-238	7	7	100	3	43	3.04	0.63	8.26	pCi/g	Soil	2.29	pCi/g
21-024(h)	INORGANIC	Metals	Cadmium	8	8	100	8	100	1.11	0.53	2.10	mg/kg	Soil	0.4	mg/kg
21-024(h)	INORGANIC	Metals	Uranium	8	8	100	8	100	7.96	2.60	38.00	mg/kg	Soil	1.82	mg/kg
21-024(h)	INORGANIC	Metals	Zinc	8	8	100	1	13	35.74	23.50	51.80	mg/kg	Soil	48.8	mg/kg
21-024(h)	ORGANIC	VOA	Acetone	8	7	88	7	88	0.02	0.01	0.03	mg/kg	Soil		
21-024(h)	ORGANIC	VOA	Methylene Chloride	8	1	13	1	13	0.02	0.02	0.02	mg/kg	Soil		
21-024(h)	RAD	RAD	Americium-241	8	2	25	2	25	0.49	0.30	0.68	pCi/g	Soil	0.013	pCi/g
21-024(h)	RAD	RAD	Plutonium-238	8	1	13	1	13	0.91	0.91	0.91	pCi/g	Soil	0.023	pCi/g
21-024(h)	RAD	RAD	Plutonium-239	8	3	38	3	38	12.19	1.74	33.00	pCi/g	Soil	0.054	pCi/g
21-024(i)	INORGANIC	Metals	Antimony	37	8	22	1	3	0.92	0.06	6.60	mg/kg	Soil	0.83	mg/kg
21-024(i)	INORGANIC	Metals	Arsenic	52	52	100	2	4	3.18	0.55	8.30	mg/kg	Soil	8.17	mg/kg
21-024(i)	INORGANIC	Metals	Barium	52	52	100	1	2	94.25	8.70	304.00	mg/kg	Soil	295	mg/kg
21-024(i)	INORGANIC	Metals	Cadmium	52	16	31	12	23	0.61	0.14	1.00	mg/kg	Soil	0.4	mg/kg
21-024(i)	INORGANIC	Metals	Chromium	52	52	100	7	13	10.51	1.00	44.70	mg/kg	Soil	19.3	mg/kg
21-024(i)	INORGANIC	Metals	Copper	52	50	96	5	10	7.17	1.00	22.20	mg/kg	Soil	14.7	mg/kg
21-024(i)	INORGANIC	Metals	Lead	52	52	100	13	25	25.90	3.60	144.00	mg/kg	Soil	22.3	mg/kg
21-024(i)	INORGANIC	Metals	Mercury	52	40	77	32	62	2.11	0.01	14.70	mg/kg	Soil	0.1	mg/kg
21-024(i)	INORGANIC	Metals	Thallium	52	13	25	1	2	0.22	0.05	1.50	mg/kg	Soil	0.73	mg/kg
21-024(i)	INORGANIC	Metals	Zinc	52	52	100	23	44	68.40	12.70	316.00	mg/kg	Soil	48.8	mg/kg
21-024(i)	ORGANIC	PCB	Aroclor-1254	28	12	43	12	43	0.27	0.00	0.91	mg/kg	Soil		
21-024(i)	ORGANIC	PCB	Aroclor-1260	28	10	36	10	36	0.14	0.00	0.40	mg/kg	Soil		
21-024(i)	ORGANIC	SVOA	Bis(2-chloroethyl)ether	28	1	4	1	4	0.16	0.16	0.16	mg/kg	Soil		
21-024(i)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	28	1	4	1	4	0.04	0.04	0.04	mg/kg	Soil		
21-024(i)	ORGANIC	SVOA	Di-n-butylphthalate	28	3	11	3	11	0.08	0.04	0.16	mg/kg	Soil		
21-024(i)	ORGANIC	SVOA	Fluoranthene	28	5	18	5	18	0.14	0.02	0.57	mg/kg	Soil		
21-024(i)	ORGANIC	SVOA	Phenanthrene	28	2	7	2	7	0.35	0.04	0.66	mg/kg	Soil		
21-024(i)	ORGANIC	SVOA	Pyrene	28	6	21	6	21	0.12	0.02	0.52	mg/kg	Soil		
21-024(i)	RAD	RAD	Americium-241	50	9	18	8	16	0.05	0.01	0.09	pCi/g	Soil	0.013	pCi/g
21-024(i)	RAD	RAD	Plutonium-238	14	3	21	1	7	0.02	0.02	0.02	pCi/g	Soil	0.023	pCi/g
21-024(i)	RAD	RAD	Plutonium-239	14	14	100	14	100	1.07	0.08	3.68	pCi/g	Soil	0.054	pCi/g
21-024(i)	RAD	RAD	Uranium-234	38	38	100	7	18	2.02	0.66	13.04	pCi/g	Soil	2.59	pCi/g
21-024(i)	RAD	RAD	Uranium-235	38	22	58	4	11	0.12	0.03	0.44	pCi/g	Soil	0.2	pCi/g

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
21-024(i)	RAD	RAD	Uranium-238	38	38	100	4	11	1.31	0.61	6.01	pCi/g	Soil	2.29	pCi/g
21-027(a)	INORGANIC	Metals	Cadmium	15	13	87	13	87	2.91	1.30	4.20	mg/kg	Soil	0.4	mg/kg
21-027(a)	INORGANIC	Metals	Chromium	15	15	100	13	87	316.61	13.60	1000.40	mg/kg	Soil	19.3	mg/kg
21-027(a)	INORGANIC	Metals	Copper	15	15	100	15	100	81.16	22.50	198.00	mg/kg	Soil	14.7	mg/kg
21-027(a)	INORGANIC	Metals	Iron	15	15	100	1	7	10120.67	4610.00	49000.00	mg/kg	Soil	21500	mg/kg
21-027(a)	INORGANIC	Metals	Lead	15	15	100	14	93	46.55	13.80	79.80	mg/kg	Soil	22.3	mg/kg
21-027(a)	INORGANIC	Metals	Mercury	1	1	100	1	100	0.40	0.40	0.40	mg/kg	Soil	0.1	mg/kg
21-027(a)	INORGANIC	Metals	Nickel	15	15	100	3	20	11.51	2.90	42.30	mg/kg	Soil	15.4	mg/kg
21-027(a)	INORGANIC	Metals	Uranium	14	14	100	14	100	83.19	7.60	231.50	mg/kg	Soil	1.82	mg/kg
21-027(a)	INORGANIC	Metals	Zinc	15	15	100	15	100	398.38	89.50	1010.00	mg/kg	Soil	48.8	mg/kg
21-027(a)	ORGANIC	SVOA	Benzo(a)anthracene	14	2	14	2	14	0.59	0.36	0.82	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Benzo(a)pyrene	14	3	21	3	21	0.66	0.52	0.92	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Benzo(b)fluoranthene	14	8	57	8	57	0.66	0.35	1.40	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Benzo(k)fluoranthene	14	2	14	2	14	0.73	0.49	0.97	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	14	2	14	2	14	0.42	0.34	0.49	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Chrysene	14	3	21	3	21	0.64	0.39	1.00	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Fluoranthene	14	8	57	8	57	0.85	0.37	2.00	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	14	2	14	2	14	0.42	0.38	0.47	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Phenanthrene	14	4	29	4	29	0.76	0.42	1.50	mg/kg	Soil		
21-027(a)	ORGANIC	SVOA	Pyrene	14	9	64	9	64	0.96	0.37	3.30	mg/kg	Soil		
21-027(a)	ORGANIC	VOA	Acetone	14	4	29	4	29	0.02	0.02	0.04	mg/kg	Soil		
21-027(a)	ORGANIC	VOA	Methylene Chloride	14	2	14	2	14	0.01	0.01	0.01	mg/kg	Soil		
21-027(a)	ORGANIC	VOA	Tetrachloroethene	14	1	7	1	7	0.06	0.06	0.06	mg/kg	Soil		
21-027(a)	RAD	RAD	Americium-241	13	13	100	13	100	14.31	0.78	37.10	pCi/g	Soil	0.013	pCi/g
21-027(a)	RAD	RAD	Plutonium-238	14	13	93	13	93	11.60	1.24	25.23	pCi/g	Soil	0.023	pCi/g
21-027(a)	RAD	RAD	Plutonium-239	14	13	93	13	93	71.29	16.80	193.00	pCi/g	Soil	0.054	pCi/g
21-027(d)	INORGANIC	Metals	Cadmium	6	6	100	6	100	1.10	0.69	1.40	mg/kg	Sediment	0.4	mg/kg
21-027(d)	INORGANIC	Metals	Cobalt	6	6	100	2	33	3.92	2.60	5.70	mg/kg	Sediment	4.73	mg/kg
21-027(d)	INORGANIC	Metals	Lead	6	6	100	2	33	18.45	15.50	23.70	mg/kg	Sediment	19.7	mg/kg
21-027(d)	INORGANIC	Metals	Uranium	6	6	100	6	100	5.70	4.60	7.30	mg/kg	Sediment	2.22	mg/kg
21-027(d)	ORGANIC	Petroleum Hydrocarbons	TPH Diesel Range Organics	7	1	14	1	14	19.00	19.00	19.00	mg/kg	Sediment		
21-027(d)	RAD	RAD	Americium-241	1	1	100	1	100	0.20	0.20	0.20	pCi/g	Soil	0.013	pCi/g
21-027(d)	RAD	RAD	Americium-241	13	7	54	7	54	0.11	0.05	0.27	pCi/g	Sediment	0.04	pCi/g
21-027(d)	RAD	RAD	Cesium-137	1	1	100	1	100	2.15	2.15	2.15	pCi/g	Soil	1.65	pCi/g
21-027(d)	RAD	RAD	Plutonium-238	13	4	31	4	31	0.02	0.01	0.03	pCi/g	Sediment	0.006	pCi/g
21-027(d)	RAD	RAD	Plutonium-239	1	1	100	1	100	1.25	1.25	1.25	pCi/g	Soil	0.054	pCi/g
21-027(d)	RAD	RAD	Plutonium-239	13	13	100	13	100	1.97	0.29	8.45	pCi/g	Sediment	0.068	pCi/g

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
21-027(d)	RAD	RAD	Uranium-238	1	1	100	1	100	2.70	2.70	2.70	pCi/g	Soil	2.29	pCi/g
21-029	INORGANIC	Metals	Antimony	30	7	23	2	7	0.83	0.52	1.20	mg/kg	Sediment	0.83	mg/kg
21-029	INORGANIC	Metals	Barium	30	30	100	1	3	58.82	11.40	135.00	mg/kg	Sediment	127	mg/kg
21-029	INORGANIC	Metals	Cadmium	30	15	50	1	3	0.24	0.03	0.67	mg/kg	Sediment	0.4	mg/kg
21-029	INORGANIC	Metals	Cadmium	30	16	53	2	7	0.23	0.02	0.87	mg/kg	Soil	0.4	mg/kg
21-029	INORGANIC	Metals	Chromium	28	28	100	6	21	7.20	2.13	18.40	mg/kg	Sediment	10.5	mg/kg
21-029	INORGANIC	Metals	Chromium	30	27	90	1	3	8.39	0.91	22.00	mg/kg	Soil	19.3	mg/kg
21-029	INORGANIC	Metals	Cobalt	30	30	100	1	3	2.63	0.70	6.00	mg/kg	Sediment	4.73	mg/kg
21-029	INORGANIC	Metals	Copper	30	29	97	1	3	5.99	1.10	16.30	mg/kg	Soil	14.7	mg/kg
21-029	INORGANIC	Metals	Copper	30	30	100	6	20	8.46	2.20	21.10	mg/kg	Sediment	11.2	mg/kg
21-029	INORGANIC	Metals	Lead	28	28	100	16	57	58.43	4.20	244.00	mg/kg	Sediment	19.7	mg/kg
21-029	INORGANIC	Metals	Lead	30	30	100	16	53	30.54	4.10	160.00	mg/kg	Soil	22.3	mg/kg
21-029	INORGANIC	Metals	Manganese	30	30	100	1	3	285.20	87.50	690.00	mg/kg	Soil	671	mg/kg
21-029	INORGANIC	Metals	Mercury	30	16	53	2	7	0.06	0.00	0.25	mg/kg	Sediment	0.1	mg/kg
21-029	INORGANIC	Metals	Nickel	30	30	100	1	3	20.76	0.72	496.00	mg/kg	Sediment	9.38	mg/kg
21-029	INORGANIC	Metals	Selenium	30	6	20	6	20	0.65	0.32	1.10	mg/kg	Sediment	0.3	mg/kg
21-029	INORGANIC	Metals	Silver	30	17	57	11	37	1.24	0.38	1.90	mg/kg	Soil	1	mg/kg
21-029	INORGANIC	Metals	Uranium	4	4	100	4	100	3.73	2.40	4.80	mg/kg	Soil	1.82	mg/kg
21-029	INORGANIC	Metals	Zinc	30	30	100	13	43	64.52	26.30	270.00	mg/kg	Soil	48.8	mg/kg
21-029	INORGANIC	Metals	Zinc	30	30	100	17	57	91.88	29.60	520.00	mg/kg	Sediment	60.2	mg/kg
21-029	ORGANIC	PAH	Benzo(a)anthracene	2	1	50	1	50	0.26	0.26	0.26	mg/kg	Sediment		
21-029	ORGANIC	PAH	Chrysene	2	1	50	1	50	0.35	0.35	0.35	mg/kg	Sediment		
21-029	ORGANIC	PAH	Fluoranthene	2	1	50	1	50	0.81	0.81	0.81	mg/kg	Sediment		
21-029	ORGANIC	PAH	Phenanthrene	2	1	50	1	50	0.53	0.53	0.53	mg/kg	Sediment		
21-029	ORGANIC	PAH	Pyrene	2	1	50	1	50	0.66	0.66	0.66	mg/kg	Sediment		
21-029	ORGANIC	PCB	Aroclor-1260	14	2	14	2	14	0.51	0.01	1.00	mg/kg	Sediment		
21-029	ORGANIC	PEST	Chlordane[alpha-]	5	3	60	3	60	0.09	0.00	0.25	mg/kg	Sediment		
21-029	ORGANIC	PEST	Chlordane[gamma-]	4	2	50	2	50	0.09	0.00	0.18	mg/kg	Sediment		
21-029	ORGANIC	PEST	DDE[4,4'-]	5	2	40	2	40	0.01	0.01	0.01	mg/kg	Sediment		
21-029	ORGANIC	PEST	DDT[4,4'-]	5	3	60	3	60	0.05	0.00	0.12	mg/kg	Sediment		
21-029	ORGANIC	PEST	Dieldrin	5	1	20	1	20	0.0022	0.0022	0.0022	mg/kg	Sediment		
21-029	ORGANIC	PEST	Heptachlor Epoxide	5	1	20	1	20	0.11	0.11	0.11	mg/kg	Sediment		
21-029	ORGANIC	Petroleum Hydrocarbons	TPH Diesel Range Organics	12	7	58	7	58	556.00	15.00	2300.00	mg/kg	Soil		
21-029	ORGANIC	Petroleum Hydrocarbons	TPH Diesel Range Organics	28	20	71	20	71	775.35	37.00	11000.00	mg/kg	Sediment		
21-029	ORGANIC	Petroleum Hydrocarbons	TPH Gasoline Range Org.	16	4	25	4	25	3.56	0.03	8.80	mg/kg	Soil		

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21-029	ORGANIC	Petroleum Hydrocarbons	TPH Gasoline Range Org.	18	2	11	2	11	445.03	0.06	890.00	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Acenaphthene	28	1	4	1	4	0.24	0.24	0.24	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Anthracene	28	3	11	3	11	0.46	0.33	0.62	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Benzo(a)anthracene	20	2	10	2	10	0.17	0.11	0.23	mg/kg	Soil		
21-029	ORGANIC	SVOA	Benzo(a)anthracene	28	14	50	14	50	0.68	0.04	3.00	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Benzo(a)pyrene	20	2	10	2	10	0.21	0.14	0.28	mg/kg	Soil		
21-029	ORGANIC	SVOA	Benzo(a)pyrene	28	9	32	9	32	0.82	0.08	3.20	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Benzo(b)fluoranthene	20	2	10	2	10	0.18	0.13	0.24	mg/kg	Soil		
21-029	ORGANIC	SVOA	Benzo(b)fluoranthene	28	12	43	12	43	1.00	0.09	3.80	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Benzo(g,h,i)perylene	20	2	10	2	10	0.16	0.08	0.24	mg/kg	Soil		
21-029	ORGANIC	SVOA	Benzo(g,h,i)perylene	28	3	11	3	11	1.77	0.12	5.00	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Benzo(k)fluoranthene	20	2	10	2	10	0.20	0.14	0.26	mg/kg	Soil		
21-029	ORGANIC	SVOA	Benzo(k)fluoranthene	28	7	25	7	25	0.48	0.09	1.40	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Benzoic Acid	28	4	14	4	14	0.19	0.14	0.30	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	28	14	50	14	50	0.52	0.05	1.70	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Butylbenzylphthalate	28	2	7	2	7	0.41	0.32	0.50	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Carbazole	18	2	11	2	11	0.39	0.27	0.50	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Chrysene	20	2	10	2	10	0.22	0.13	0.30	mg/kg	Soil		
21-029	ORGANIC	SVOA	Chrysene	28	14	50	14	50	0.73	0.04	3.30	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Dibenz(a,h)anthracene	28	1	4	1	4	0.98	0.98	0.98	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Dimethylphenol[2,4-]	20	3	15	3	15	0.45	0.09	1.00	mg/kg	Soil		
21-029	ORGANIC	SVOA	Di-n-butylphthalate	28	1	4	1	4	0.10	0.10	0.10	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Di-n-octylphthalate	28	1	4	1	4	0.27	0.27	0.27	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Fluoranthene	20	2	10	2	10	0.34	0.21	0.46	mg/kg	Soil		
21-029	ORGANIC	SVOA	Fluoranthene	28	14	50	14	50	1.15	0.04	4.40	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	20	2	10	2	10	0.14	0.07	0.21	mg/kg	Soil		
21-029	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	28	7	25	7	25	0.83	0.05	3.80	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Methylnaphthalene[2-]	28	1	4	1	4	0.05	0.05	0.05	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Methylphenol[4-]	20	2	10	2	10	0.91	0.31	1.50	mg/kg	Soil		
21-029	ORGANIC	SVOA	Naphthalene	28	2	7	2	7	0.48	0.34	0.62	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Phenanthrene	20	2	10	2	10	0.26	0.06	0.47	mg/kg	Soil		
21-029	ORGANIC	SVOA	Phenanthrene	28	15	54	15	54	0.99	0.05	3.20	mg/kg	Sediment		
21-029	ORGANIC	SVOA	Phenol	20	3	15	3	15	5.65	0.55	14.00	mg/kg	Soil		
21-029	ORGANIC	SVOA	Pyrene	20	2	10	2	10	0.38	0.17	0.59	mg/kg	Soil		
21-029	ORGANIC	SVOA	Pyrene	28	15	54	15	54	2.37	0.10	12.00	mg/kg	Sediment		
21-029	ORGANIC	VOA	Isopropyltoluene[4-]	12	1	8	1	8	0.0020	0.0020	0.0020	mg/kg	Soil		
21-029	ORGANIC	VOA	Toluene	18	2	11	2	11	0.0019	0.0018	0.0020	mg/kg	Soil		

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
21-029	ORGANIC	VOA	Toluene	18	6	33	6	33	0.0044	0.0015	0.0072	mg/kg	Sediment		
21-029	ORGANIC	VOA	Trimethylbenzene[1,2,4-]	18	1	6	1	6	0.0030	0.0030	0.0030	mg/kg	Soil		
21-029	ORGANIC	VOA	Trimethylbenzene[1,2,4-]	18	2	11	2	11	0.02	0.00	0.04	mg/kg	Sediment		
21-029	ORGANIC	VOA	Xylene (Total)	18	2	11	2	11	0.01	0.01	0.01	mg/kg	Sediment		
21-029	RAD	RAD	Americium-241	7	6	86	6	86	0.02	0.01	0.05	pCi/g	Soil	0.013	pCi/g
21-029	RAD	RAD	Americium-241	12	2	17	2	17	0.20	0.05	0.34	pCi/g	Sediment	0.04	pCi/g
21-029	RAD	RAD	Cesium-137	5	3	60	1	20	1.34	0.73	1.67	pCi/g	Soil	1.65	pCi/g
21-029	RAD	RAD	Plutonium-239	8	7	88	7	88	0.30	0.09	0.62	pCi/g	Soil	0.054	pCi/g
21-029	RAD	RAD	Uranium-234	4	4	100	1	25	2.23	1.92	2.81	pCi/g	Soil	2.59	pCi/g
21-029	RAD	RAD	Uranium-238	4	4	100	2	50	2.35	1.79	2.96	pCi/g	Soil	2.29	pCi/g
32-004	INORGANIC	Metals	Cadmium	9	2	22	2	22	0.82	0.54	1.10	mg/kg	Soil	0.4	mg/kg
32-004	INORGANIC	Metals	Chromium	9	9	100	1	11	8.54	1.00	32.00	mg/kg	Soil	19.3	mg/kg
32-004	INORGANIC	Metals	Copper	9	9	100	2	22	8.71	1.20	26.00	mg/kg	Soil	14.7	mg/kg
32-004	INORGANIC	Metals	Lead	9	9	100	4	44	50.46	9.50	200.00	mg/kg	Soil	22.3	mg/kg
32-004	INORGANIC	Metals	Mercury	9	3	33	3	33	0.37	0.11	0.55	mg/kg	Soil	0.1	mg/kg
32-004	INORGANIC	Metals	Silver	9	1	11	1	11	3.30	3.30	3.30	mg/kg	Soil	1	mg/kg
32-004	INORGANIC	Metals	Zinc	9	9	100	6	67	67.02	20.00	150.00	mg/kg	Soil	48.8	mg/kg
32-004	ORGANIC	SVOA	Acenaphthene	9	1	11	1	11	0.19	0.19	0.19	mg/kg	Soil		
32-004	ORGANIC	SVOA	Anthracene	9	3	33	3	33	0.98	0.32	2.30	mg/kg	Soil		
32-004	ORGANIC	SVOA	Benzo(a)anthracene	9	5	56	5	56	2.47	0.17	8.20	mg/kg	Soil		
32-004	ORGANIC	SVOA	Benzo(a)pyrene	9	5	56	5	56	2.58	0.21	8.40	mg/kg	Soil		
32-004	ORGANIC	SVOA	Benzo(b)fluoranthene	9	6	67	6	67	2.17	0.12	7.80	mg/kg	Soil		
32-004	ORGANIC	SVOA	Benzo(g,h,i)perylene	9	5	56	5	56	1.50	0.15	4.90	mg/kg	Soil		
32-004	ORGANIC	SVOA	Benzo(k)fluoranthene	9	5	56	5	56	2.45	0.15	7.90	mg/kg	Soil		
32-004	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	9	5	56	5	56	0.74	0.10	1.80	mg/kg	Soil		
32-004	ORGANIC	SVOA	Butylbenzylphthalate	9	6	67	6	67	2.54	0.18	8.30	mg/kg	Soil		
32-004	ORGANIC	SVOA	Chrysene	9	6	67	6	67	3.66	0.21	14.00	mg/kg	Soil		
32-004	ORGANIC	SVOA	Di-n-octylphthalate	9	1	11	1	11	0.10	0.10	0.10	mg/kg	Soil		
32-004	ORGANIC	SVOA	Fluoranthene	9	8	89	8	89	3.69	0.18	18.00	mg/kg	Soil		
32-004	ORGANIC	SVOA	Fluorene	9	1	11	1	11	0.19	0.19	0.19	mg/kg	Soil		
32-004	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	9	5	56	5	56	1.47	0.16	4.80	mg/kg	Soil		
32-004	ORGANIC	SVOA	Naphthalene	9	1	11	1	11	0.23	0.23	0.23	mg/kg	Soil		
32-004	ORGANIC	SVOA	Phenanthrene	9	6	67	6	67	2.82	0.10	11.00	mg/kg	Soil		
32-004	ORGANIC	SVOA	Pyrene	9	7	78	7	78	3.43	0.15	15.00	mg/kg	Soil		
32-004	ORGANIC	VOA	Acetone	2	1	50	1	50	0.0020	0.0020	0.0020	mg/kg	Soil		
33-004(j)	INORGANIC	Metals	Copper	2	2	100	2	100	62.20	56.60	67.80	mg/kg	Soil	14.7	mg/kg
33-004(j)	INORGANIC	Metals	Uranium	2	2	100	2	100	17.63	16.77	18.49	mg/kg	Soil	1.82	mg/kg
33-006(a)	INORGANIC	Metals	Antimony	39	4	10	4	10	3.90	1.30	10.40	mg/kg	Soil	0.83	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
33-006(a)	INORGANIC	Metals	Barium	39	33	85	3	8	128.13	48.00	460.00	mg/kg	Soil	295	mg/kg
33-006(a)	INORGANIC	Metals	Cadmium	39	2	5	2	5	0.58	0.56	0.60	mg/kg	Soil	0.4	mg/kg
33-006(a)	INORGANIC	Metals	Copper	5	5	100	5	100	649.42	22.10	1270.00	mg/kg	Sediment	11.2	mg/kg
33-006(a)	INORGANIC	Metals	Copper	33	30	91	21	64	1304.47	5.70	23300.00	mg/kg	Soil	14.7	mg/kg
33-006(a)	INORGANIC	Metals	Lead	39	39	100	7	18	14.11	2.90	51.60	mg/kg	Soil	22.3	mg/kg
33-006(a)	INORGANIC	Metals	Selenium	39	7	18	3	8	1.71	0.40	4.40	mg/kg	Soil	1.52	mg/kg
33-006(a)	INORGANIC	Metals	Silver	39	7	18	5	13	3.00	0.81	9.70	mg/kg	Soil	1	mg/kg
33-006(a)	INORGANIC	Metals	Uranium	5	5	100	5	100	14.01	6.63	21.48	mg/kg	Sediment	2.22	mg/kg
33-006(a)	INORGANIC	Metals	Uranium	39	39	100	27	69	49.51	0.45	678.30	mg/kg	Soil	1.82	mg/kg
33-006(a)	INORGANIC	Metals	Zinc	39	39	100	8	21	37.56	12.40	100.00	mg/kg	Soil	48.8	mg/kg
33-006(a)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	14	1	7	1	7	0.66	0.66	0.66	mg/kg	Soil		
33-006(a)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	14	1	7	1	7	0.66	0.66	0.66	mg/kg	Soil		
33-006(a)	RAD	RAD	Cesium-137	38	23	61	2	5	0.69	0.04	2.98	pCi/g	Soil	1.65	pCi/g
33-007(b)	INORGANIC	Metals	Arsenic	78	34	44	18	23	7.05	1.00	18.30	mg/kg	Soil	8.17	mg/kg
33-007(b)	INORGANIC	Metals	Cadmium	78	10	13	8	10	0.92	0.12	2.00	mg/kg	Soil	0.4	mg/kg
33-007(b)	INORGANIC	Metals	Chromium	78	68	87	8	10	9.19	2.20	50.40	mg/kg	Soil	19.3	mg/kg
33-007(b)	INORGANIC	Metals	Cobalt	78	24	31	4	5	3.95	1.10	15.00	mg/kg	Soil	8.64	mg/kg
33-007(b)	INORGANIC	Metals	Copper	8	8	100	6	75	14.60	2.20	27.50	mg/kg	Sediment	11.2	mg/kg
33-007(b)	INORGANIC	Metals	Copper	78	64	82	28	36	16.78	3.40	48.60	mg/kg	Soil	14.7	mg/kg
33-007(b)	INORGANIC	Metals	Lead	78	72	92	10	13	12.84	2.20	68.50	mg/kg	Soil	22.3	mg/kg
33-007(b)	INORGANIC	Metals	Nickel	8	4	50	2	25	10.05	2.80	17.30	mg/kg	Sediment	9.38	mg/kg
33-007(b)	INORGANIC	Metals	Nickel	78	48	62	16	21	12.77	3.10	28.40	mg/kg	Soil	15.4	mg/kg
33-007(b)	INORGANIC	Metals	Selenium	8	2	25	2	25	0.94	0.94	0.94	mg/kg	Sediment	0.3	mg/kg
33-007(b)	INORGANIC	Metals	Selenium	78	6	8	2	3	1.23	0.59	2.20	mg/kg	Soil	1.52	mg/kg
33-007(b)	INORGANIC	Metals	Thallium	78	2	3	2	3	1.80	1.80	1.80	mg/kg	Soil	0.73	mg/kg
33-007(b)	INORGANIC	Metals	Uranium	4	4	100	4	100	205.67	4.23	407.12	mg/kg	Sediment	2.22	mg/kg
33-007(b)	INORGANIC	Metals	Uranium	54	52	96	44	81	333.02	0.66	6721.30	mg/kg	Soil	1.82	mg/kg
33-007(b)	INORGANIC	Metals	Zinc	78	78	100	6	8	31.95	15.00	93.10	mg/kg	Soil	48.8	mg/kg
33-007(b)	ORGANIC	HEXP	Nitrobenzene	30	2	7	1	3	0.25	0.25	0.25	mg/kg	Soil		
33-007(b)	ORGANIC	HEXP	RDX	4	2	50	1	25	0.50	0.50	0.50	mg/kg	Sediment		
33-007(b)	ORGANIC	HEXP	Trinitrobenzene[1,3,5-]	4	2	50	1	25	0.17	0.17	0.17	mg/kg	Sediment		
33-007(b)	ORGANIC	SVOA	Acenaphthene	28	2	7	1	4	0.58	0.58	0.58	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Anthracene	28	2	7	1	4	2.00	2.00	2.00	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Benzo(a)anthracene	28	2	7	1	4	0.71	0.71	0.71	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Benzo(a)pyrene	28	2	7	1	4	0.51	0.51	0.51	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Benzo(b)fluoranthene	28	4	14	2	7	1.03	0.66	1.40	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Benzo(k)fluoranthene	28	2	7	1	4	0.32	0.32	0.32	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	28	2	7	1	4	0.55	0.55	0.55	mg/kg	Soil		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
33-007(b)	ORGANIC	SVOA	Carbazole	6	2	33	1	17	0.62	0.62	0.62	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Chrysene	28	4	14	2	7	0.74	0.18	1.30	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Dibenzofuran	28	2	7	1	4	0.44	0.44	0.44	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Di-n-butylphthalate	28	4	14	2	7	2.09	0.07	4.10	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Dinitrotoluene[2,4-]	28	2	7	1	4	2.00	2.00	2.00	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Fluoranthene	28	4	14	2	7	0.99	0.38	1.60	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Fluorene	28	2	7	1	4	0.60	0.60	0.60	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Naphthalene	28	2	7	1	4	0.37	0.37	0.37	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Phenanthrene	28	4	14	2	7	1.07	0.34	1.80	mg/kg	Soil		
33-007(b)	ORGANIC	SVOA	Pyrene	28	4	14	2	7	0.86	0.33	1.40	mg/kg	Soil		
33-007(b)	ORGANIC	VOA	Toluene	2	2	100	1	50	0.0009	0.0009	0.0009	mg/kg	Soil		
33-007(b)	RAD	RAD	Cesium-137	50	38	76	2	4	1.13	0.04	16.54	pCi/g	Soil	1.65	pCi/g
33-007(b)	RAD	RAD	Uranium-234	14	14	100	4	29	2.61	1.37	7.35	pCi/g	Soil	2.59	pCi/g
33-007(b)	RAD	RAD	Uranium-235	14	6	43	2	14	0.20	0.11	0.31	pCi/g	Soil	0.2	pCi/g
33-007(b)	RAD	RAD	Uranium-238	14	14	100	4	29	2.61	1.31	7.15	pCi/g	Soil	2.29	pCi/g
33-010(c)	INORGANIC	Metals	Antimony	11	4	36	4	36	3.90	1.30	10.40	mg/kg	Soil	0.83	mg/kg
33-010(c)	INORGANIC	Metals	Barium	8	8	100	2	25	80.62	49.60	130.00	mg/kg	Sediment	127	mg/kg
33-010(c)	INORGANIC	Metals	Barium	11	11	100	2	18	133.12	48.00	460.00	mg/kg	Soil	295	mg/kg
33-010(c)	INORGANIC	Metals	Cadmium	11	2	18	2	18	0.58	0.56	0.60	mg/kg	Soil	0.4	mg/kg
33-010(c)	INORGANIC	Metals	Copper	5	5	100	3	60	1187.62	5.00	5760.00	mg/kg	Soil	14.7	mg/kg
33-010(c)	INORGANIC	Metals	Copper	8	8	100	8	100	684.01	60.10	1380.00	mg/kg	Sediment	11.2	mg/kg
33-010(c)	INORGANIC	Metals	Lead	11	11	100	5	45	20.40	6.00	39.00	mg/kg	Soil	22.3	mg/kg
33-010(c)	INORGANIC	Metals	Selenium	8	1	13	1	13	0.89	0.89	0.89	mg/kg	Sediment	0.3	mg/kg
33-010(c)	INORGANIC	Metals	Selenium	11	7	64	2	18	1.16	0.40	3.00	mg/kg	Soil	1.52	mg/kg
33-010(c)	INORGANIC	Metals	Silver	8	2	25	1	13	2.47	0.34	4.60	mg/kg	Sediment	1	mg/kg
33-010(c)	INORGANIC	Metals	Uranium	5	5	100	5	100	18.83	7.55	22.74	mg/kg	Sediment	2.22	mg/kg
33-010(c)	INORGANIC	Metals	Uranium	7	7	100	7	100	82.37	11.60	215.00	mg/kg	Soil	1.82	mg/kg
33-010(c)	INORGANIC	Metals	Zinc	11	11	100	4	36	150.09	33.00	1160.00	mg/kg	Soil	48.8	mg/kg
33-010(c)	RAD	RAD	Uranium-234	3	3	100	3	100	11.62	4.86	16.30	pCi/g	Sediment	2.59	pCi/g
33-010(c)	RAD	RAD	Uranium-234	7	7	100	6	86	11.37	1.51	21.40	pCi/g	Soil	2.59	pCi/g
33-010(c)	RAD	RAD	Uranium-235	3	3	100	3	100	0.62	0.30	0.79	pCi/g	Sediment	0.2	pCi/g
33-010(c)	RAD	RAD	Uranium-235	7	7	100	6	86	0.61	0.13	1.17	pCi/g	Soil	0.2	pCi/g
33-010(c)	RAD	RAD	Uranium-238	3	3	100	3	100	12.37	5.57	17.20	pCi/g	Sediment	2.29	pCi/g
33-010(c)	RAD	RAD	Uranium-238	7	7	100	6	86	12.44	1.48	24.40	pCi/g	Soil	2.29	pCi/g
33-010(g)	INORGANIC	Metals	Cadmium	22	2	9	2	9	0.65	0.65	0.65	mg/kg	Soil	0.4	mg/kg
33-010(g)	INORGANIC	Metals	Copper	22	18	82	6	27	25.97	6.70	91.50	mg/kg	Soil	14.7	mg/kg
33-010(g)	INORGANIC	Metals	Mercury	22	2	9	2	9	0.56	0.56	0.56	mg/kg	Soil	0.1	mg/kg
33-010(g)	INORGANIC	Metals	Uranium	22	22	100	8	36	1.98	0.18	6.05	mg/kg	Soil	1.82	mg/kg

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
33-010(g)	INORGANIC	Metals	Zinc	22	22	100	4	18	38.65	19.00	54.20	mg/kg	Soil	48.8	mg/kg
33-010(g)	ORGANIC	HEXP	Amino-2,6-dinitrotoluene[4-]	8	4	50	2	25	2.85	0.36	5.35	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	Amino-4,6-dinitrotoluene[2-]	8	4	50	2	25	2.85	0.36	5.35	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	Nitrobenzene	6	2	33	1	17	0.51	0.51	0.51	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	Nitrotoluene[2-]	6	2	33	1	17	0.16	0.16	0.16	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	Nitrotoluene[3-]	6	2	33	1	17	0.51	0.51	0.51	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	Nitrotoluene[4-]	6	2	33	1	17	0.51	0.51	0.51	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	RDX	14	2	14	1	7	0.54	0.54	0.54	mg/kg	Soil		
33-010(g)	ORGANIC	HEXP	Tetryl	6	2	33	1	17	0.69	0.69	0.69	mg/kg	Soil		
33-010(g)	RAD	RAD	Cesium-137	22	20	91	2	9	0.97	0.11	2.09	pCi/g	Soil	1.65	pCi/g
36-004(a)	INORGANIC	Metals	Uranium	4	4	100	1	25	1.77	0.92	2.32	mg/kg	Sediment	2.22	mg/kg
36-004(a)	RAD	RAD	Plutonium-238	4	2	50	1	25	0.01	0.00	0.01	pCi/g	Sediment	0.006	pCi/g
36-004(b)	INORGANIC	Metals	Iron	8	8	100	2	25	8725.00	1840.00	21600.00	mg/kg	Sediment	13800	mg/kg
36-004(b)	INORGANIC	Metals	Mercury	8	1	13	1	13	0.23	0.23	0.23	mg/kg	Sediment	0.1	mg/kg
36-004(b)	INORGANIC	Metals	Vanadium	8	2	25	2	25	29.60	28.20	31.00	mg/kg	Sediment	19.7	mg/kg
36-004(b)	INORGANIC	Metals	Zinc	8	8	100	2	25	39.21	9.60	91.00	mg/kg	Sediment	60.2	mg/kg
36-004(b)	RAD	RAD	Europium-152	4	1	25	1	25	0.17	0.17	0.17	pCi/g	Sediment		
36-004(b)	RAD	RAD	Plutonium-238	4	3	75	1	25	0.0043	0.0020	0.0070	pCi/g	Sediment	0.006	pCi/g
36-004(b)	RAD	RAD	Plutonium-239	4	2	50	1	25	0.05	0.01	0.10	pCi/g	Sediment	0.068	pCi/g
36-004(b)	RAD	RAD	Sodium-22	5	1	20	1	20	0.03	0.03	0.03	pCi/g	Sediment		
36-004(c)	INORGANIC	Metals	Iron	8	8	100	2	25	8725.00	1840.00	21600.00	mg/kg	Sediment	13800	mg/kg
36-004(c)	INORGANIC	Metals	Mercury	8	1	13	1	13	0.23	0.23	0.23	mg/kg	Sediment	0.1	mg/kg
36-004(c)	INORGANIC	Metals	Vanadium	8	2	25	2	25	29.60	28.20	31.00	mg/kg	Sediment	19.7	mg/kg
36-004(c)	INORGANIC	Metals	Zinc	8	8	100	2	25	39.21	9.60	91.00	mg/kg	Sediment	60.2	mg/kg
36-004(c)	RAD	RAD	Europium-152	4	1	25	1	25	0.17	0.17	0.17	pCi/g	Sediment		
36-004(c)	RAD	RAD	Plutonium-238	4	3	75	1	25	0.0043	0.0020	0.0070	pCi/g	Sediment	0.006	pCi/g
36-004(c)	RAD	RAD	Plutonium-239	4	2	50	1	25	0.05	0.01	0.10	pCi/g	Sediment	0.068	pCi/g
36-004(c)	RAD	RAD	Sodium-22	5	1	20	1	20	0.03	0.03	0.03	pCi/g	Sediment		
36-005	INORGANIC	Metals	Cadmium	27	1	4	1	4	0.55	0.55	0.55	mg/kg	Soil	0.4	mg/kg
36-005	INORGANIC	Metals	Thallium	27	1	4	1	4	1.24	1.24	1.24	mg/kg	Soil	0.73	mg/kg
36-005	INORGANIC	Metals	Uranium	27	27	100	25	93	2.84	1.02	8.15	mg/kg	Soil	1.82	mg/kg
36-005	ORGANIC	HEXP	RDX	27	1	4	1	4	1.72	1.72	1.72	mg/kg	Soil		
36-005	ORGANIC	VOA	Acetone	28	1	4	1	4	0.52	0.52	0.52	mg/kg	Soil		
36-005	ORGANIC	VOA	Methyl-2-pentanone[4-]	28	1	4	1	4	0.02	0.02	0.02	mg/kg	Soil		
36-005	ORGANIC	VOA	Methylene Chloride	28	9	32	9	32	0.02	0.01	0.13	mg/kg	Soil		
36-005	ORGANIC	VOA	Toluene	28	3	11	3	11	0.02	0.01	0.03	mg/kg	Soil		
36-005	ORGANIC	VOA	Trichloroethene	28	3	11	3	11	0.06	0.03	0.11	mg/kg	Soil		
36-005	ORGANIC	VOA	Trimethylbenzene[1,2,4-]	28	3	11	3	11	0.08	0.05	0.12	mg/kg	Soil		

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36-005	ORGANIC	VOA	Xylene (Total)	28	3	11	3	11	0.09	0.05	0.14	mg/kg	Soil		
36-005	RAD	RAD	Europium-152	11	1	9	1	9	0.26	0.26	0.26	pCi/g	Soil		
36-005	RAD	RAD	Thorium-228	3	1	33	1	33	7.42	7.42	7.42	pCi/g	Soil	2.28	pCi/g
36-005	RAD	RAD	Uranium-235	12	5	42	3	25	0.20	0.18	0.22	pCi/g	Soil	0.2	pCi/g
36-006	INORGANIC	Metals	Cadmium	4	1	25	1	25	1.50	1.50	1.50	mg/kg	Soil	0.4	mg/kg
36-006	INORGANIC	Metals	Chromium	4	4	100	1	25	105.27	2.10	410.00	mg/kg	Soil	19.3	mg/kg
36-006	INORGANIC	Metals	Copper	4	4	100	1	25	19.77	4.20	52.00	mg/kg	Soil	14.7	mg/kg
36-006	INORGANIC	Metals	Lead	4	4	100	1	25	57.45	5.20	200.00	mg/kg	Soil	22.3	mg/kg
36-006	INORGANIC	Metals	Mercury	4	1	25	1	25	0.11	0.11	0.11	mg/kg	Soil	0.1	mg/kg
36-006	INORGANIC	Metals	Nickel	4	3	75	1	25	70.07	4.60	200.00	mg/kg	Soil	15.4	mg/kg
39-004(b)	INORGANIC	Metals	Beryllium	19	12	63	1	5	0.88	0.42	2.60	mg/kg	Soil	1.83	mg/kg
39-004(b)	INORGANIC	Metals	Copper	19	18	95	9	47	156.63	1.10	1290.00	mg/kg	Soil	14.7	mg/kg
39-004(b)	INORGANIC	Metals	Lead	19	19	100	4	21	25.52	4.80	102.00	mg/kg	Soil	22.3	mg/kg
39-004(b)	INORGANIC	Metals	Mercury	19	15	79	13	68	6.33	0.00	44.10	mg/kg	Soil	0.1	mg/kg
39-004(b)	INORGANIC	Metals	Uranium	19	19	100	19	100	581.76	8.50	4465.00	mg/kg	Soil	1.82	mg/kg
39-004(b)	INORGANIC	Metals	Zinc	19	19	100	2	11	69.12	13.30	587.00	mg/kg	Soil	48.8	mg/kg
39-004(b)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	19	1	5	1	5	0.24	0.24	0.24	mg/kg	Soil		
39-004(b)	ORGANIC	SVOA	Di-n-butylphthalate	19	1	5	1	5	0.04	0.04	0.04	mg/kg	Soil		
39-004(b)	RAD	RAD	Cesium-134	12	1	8	1	8	0.40	0.40	0.40	pCi/g	Soil		
39-004(b)	RAD	RAD	Ruthenium-106	16	1	6	1	6	3.60	3.60	3.60	pCi/g	Soil		
39-004(b)	RAD	RAD	Sodium-22	16	1	6	1	6	0.19	0.19	0.19	pCi/g	Soil		
39-004(b)	RAD	RAD	Thorium-228	19	19	100	3	16	1.94	1.18	2.66	pCi/g	Soil	2.28	pCi/g
39-004(b)	RAD	RAD	Thorium-230	19	19	100	3	16	1.82	1.12	2.68	pCi/g	Soil	2.29	pCi/g
39-004(b)	RAD	RAD	Thorium-232	19	19	100	3	16	1.89	1.34	2.47	pCi/g	Soil	2.33	pCi/g
39-004(b)	RAD	RAD	Uranium-235	12	4	33	4	33	8.84	0.85	18.64	pCi/g	Soil	0.2	pCi/g
39-004(c)	INORGANIC	Metals	Barium	44	44	100	1	2	64.58	15.20	302.00	mg/kg	Soil	295	mg/kg
39-004(c)	INORGANIC	Metals	Beryllium	44	18	41	1	2	0.68	0.31	2.00	mg/kg	Soil	1.83	mg/kg
39-004(c)	INORGANIC	Metals	Cadmium	44	2	5	2	5	1.25	0.61	1.90	mg/kg	Soil	0.4	mg/kg
39-004(c)	INORGANIC	Metals	Chromium	44	40	91	1	2	6.18	1.10	104.00	mg/kg	Soil	19.3	mg/kg
39-004(c)	INORGANIC	Metals	Cobalt	44	25	57	1	2	3.00	0.91	14.50	mg/kg	Soil	8.64	mg/kg
39-004(c)	INORGANIC	Metals	Copper	44	43	98	15	34	166.26	1.00	2640.00	mg/kg	Soil	14.7	mg/kg
39-004(c)	INORGANIC	Metals	Lead	45	45	100	10	22	66.89	3.10	978.00	mg/kg	Soil	22.3	mg/kg
39-004(c)	INORGANIC	Metals	Mercury	45	1	2	1	2	8.50	8.50	8.50	mg/kg	Soil	0.1	mg/kg
39-004(c)	INORGANIC	Metals	Nickel	44	18	41	1	2	5.40	2.40	17.70	mg/kg	Soil	15.4	mg/kg
39-004(c)	INORGANIC	Metals	Silver	44	2	5	2	5	29.60	4.10	55.10	mg/kg	Soil	1	mg/kg
39-004(c)	INORGANIC	Metals	Thallium	45	3	7	1	2	0.69	0.30	1.40	mg/kg	Soil	0.73	mg/kg
39-004(c)	INORGANIC	Metals	Uranium	45	45	100	40	89	783.14	0.90	34540.00	mg/kg	Soil	1.82	mg/kg
39-004(c)	INORGANIC	Metals	Zinc	44	44	100	8	18	40.67	14.00	183.00	mg/kg	Soil	48.8	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
39-004(c)	ORGANIC	SVOA	Benzoic Acid	45	1	2	1	2	0.05	0.05	0.05	mg/kg	Soil		
39-004(c)	ORGANIC	SVOA	Bis(2-chloroethyl)ether	45	1	2	1	2	0.17	0.17	0.17	mg/kg	Soil		
39-004(c)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	45	4	9	4	9	0.32	0.09	0.79	mg/kg	Soil		
39-004(c)	ORGANIC	SVOA	Butylbenzylphthalate	45	1	2	1	2	0.22	0.22	0.22	mg/kg	Soil		
39-004(c)	ORGANIC	SVOA	Di-n-butylphthalate	45	7	16	7	16	0.33	0.04	0.72	mg/kg	Soil		
39-004(c)	ORGANIC	SVOA	Naphthalene	45	1	2	1	2	0.17	0.17	0.17	mg/kg	Soil		
39-004(c)	RAD	RAD	Sodium-22	30	1	3	1	3	0.06	0.06	0.06	pCi/g	Soil		
39-004(c)	RAD	RAD	Thorium-228	45	45	100	3	7	1.37	0.60	2.55	pCi/g	Soil	2.28	pCi/g
39-004(c)	RAD	RAD	Thorium-230	45	42	93	2	4	1.23	0.60	2.76	pCi/g	Soil	2.29	pCi/g
39-004(c)	RAD	RAD	Thorium-232	45	45	100	2	4	1.33	0.59	2.56	pCi/g	Soil	2.33	pCi/g
39-004(d)	INORGANIC	Metals	Antimony	46	1	2	1	2	4.00	4.00	4.00	mg/kg	Soil	0.83	mg/kg
39-004(d)	INORGANIC	Metals	Barium	47	47	100	1	2	42.58	4.40	540.00	mg/kg	Soil	295	mg/kg
39-004(d)	INORGANIC	Metals	Beryllium	48	18	38	2	4	1.34	0.53	9.10	mg/kg	Soil	1.83	mg/kg
39-004(d)	INORGANIC	Metals	Cadmium	48	4	8	4	8	2.53	0.51	7.60	mg/kg	Soil	0.4	mg/kg
39-004(d)	INORGANIC	Metals	Cobalt	48	12	25	1	2	38.09	0.97	440.00	mg/kg	Soil	8.64	mg/kg
39-004(d)	INORGANIC	Metals	Copper	48	41	85	8	17	2008.47	1.10	77600.00	mg/kg	Soil	14.7	mg/kg
39-004(d)	INORGANIC	Metals	Lead	48	48	100	7	15	19.07	1.80	320.00	mg/kg	Soil	22.3	mg/kg
39-004(d)	INORGANIC	Metals	Mercury	48	18	38	13	27	0.83	0.06	6.80	mg/kg	Soil	0.1	mg/kg
39-004(d)	INORGANIC	Metals	Nickel	48	11	23	1	2	26.72	1.70	270.00	mg/kg	Soil	15.4	mg/kg
39-004(d)	INORGANIC	Metals	Silver	48	2	4	2	4	2.60	2.10	3.10	mg/kg	Soil	1	mg/kg
39-004(d)	INORGANIC	Metals	Uranium	48	48	100	46	96	127.12	0.90	2796.00	mg/kg	Soil	1.82	mg/kg
39-004(d)	INORGANIC	Metals	Zinc	48	48	100	4	8	37.94	0.53	690.00	mg/kg	Soil	48.8	mg/kg
39-004(d)	ORGANIC	HEXP	HMX	40	2	5	2	5	13.72	2.33	25.10	mg/kg	Soil		
39-004(d)	ORGANIC	HEXP	RDX	40	1	3	1	3	9.17	9.17	9.17	mg/kg	Soil		
39-004(d)	ORGANIC	SVOA	Anthracene	47	1	2	1	2	0.18	0.18	0.18	mg/kg	Soil		
39-004(d)	ORGANIC	SVOA	Chrysene	47	1	2	1	2	0.18	0.18	0.18	mg/kg	Soil		
39-004(d)	RAD	RAD	Europium-152	27	3	11	3	11	0.28	0.19	0.41	pCi/g	Soil		
39-004(d)	RAD	RAD	Sodium-22	32	1	3	1	3	0.38	0.38	0.38	pCi/g	Soil		
39-004(d)	RAD	RAD	Thorium-228	48	48	100	9	19	1.49	0.42	3.54	pCi/g	Soil	2.28	pCi/g
39-004(d)	RAD	RAD	Thorium-230	48	31	65	5	10	1.62	0.38	3.20	pCi/g	Soil	2.29	pCi/g
39-004(d)	RAD	RAD	Thorium-232	48	40	83	7	15	1.61	0.55	3.46	pCi/g	Soil	2.33	pCi/g
39-004(d)	RAD	RAD	Uranium-235	24	8	33	8	33	3.84	0.43	18.30	pCi/g	Soil	0.2	pCi/g
53-002(a)	INORGANIC	Metals	Beryllium	25	25	100	1	4	0.67	0.23	2.70	mg/kg	Soil	1.83	mg/kg
53-002(a)	INORGANIC	Metals	Zinc	25	25	100	2	8	26.46	8.40	63.40	mg/kg	Soil	48.8	mg/kg
53-002(a)	ORGANIC	PCB	Aroclor-1254	25	1	4	1	4	0.16	0.16	0.16	mg/kg	Soil		
53-002(a)	ORGANIC	PEST	DDE[4,4'-]	21	1	5	1	5	0.0003	0.0003	0.0003	mg/kg	Soil		
53-002(a)	ORGANIC	SVOA	Bis(2-chloroethyl)ether	25	1	4	1	4	0.08	0.08	0.08	mg/kg	Soil		
53-002(a)	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	25	7	28	7	28	0.06	0.04	0.07	mg/kg	Soil		

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
53-002(a)	ORGANIC	SVOA	Fluoranthene	25	1	4	1	4	0.04	0.04	0.04	mg/kg	Soil		
53-002(a)	ORGANIC	SVOA	Pyrene	25	1	4	1	4	0.04	0.04	0.04	mg/kg	Soil		
53-002(a)	ORGANIC	VOA	Acetone	10	1	10	1	10	0.03	0.03	0.03	mg/kg	Soil		
53-002(a)	ORGANIC	VOA	Benzene	10	1	10	1	10	0.0003	0.0003	0.0003	mg/kg	Soil		
53-002(a)	ORGANIC	VOA	Chloroethane	10	2	20	2	20	0.0016	0.0005	0.0026	mg/kg	Soil		
53-002(a)	ORGANIC	VOA	Toluene	10	2	20	2	20	0.0008	0.0008	0.0009	mg/kg	Soil		
53-002(a)	ORGANIC	VOA	Trichloroethene	10	5	50	5	50	0.0010	0.0009	0.0013	mg/kg	Soil		
53-002(a)	RAD	RAD	Americium-241	25	1	4	1	4	0.19	0.19	0.19	pCi/g	Soil	0.013	pCi/g
53-002(a)	RAD	RAD	Cesium-134	25	4	16	4	16	4.39	0.71	14.60	pCi/g	Soil		
53-002(a)	RAD	RAD	Cobalt-60	25	7	28	7	28	2.93	0.28	8.93	pCi/g	Soil		
53-002(a)	RAD	RAD	Sodium-22	25	3	12	3	12	0.38	0.29	0.43	pCi/g	Soil		
53-002(a)	RAD	RAD	Strontium-90	25	3	12	3	12	3.02	1.45	4.98	pCi/g	Soil	1.31	pCi/g
73-002	INORGANIC	Metals	Arsenic	1	1	100	1	100	7.20	7.20	7.20	mg/kg	Sediment	3.98	mg/kg
73-002	INORGANIC	Metals	Barium	1	1	100	1	100	3300.00	3300.00	3300.00	mg/kg	Sediment	127	mg/kg
73-002	INORGANIC	Metals	Barium	14	14	100	2	14	98.44	6.20	415.00	mg/kg	Soil	295	mg/kg
73-002	INORGANIC	Metals	Cadmium	1	1	100	1	100	2.50	2.50	2.50	mg/kg	Sediment	0.4	mg/kg
73-002	INORGANIC	Metals	Cadmium	14	10	71	3	21	1.46	0.06	12.20	mg/kg	Soil	0.4	mg/kg
73-002	INORGANIC	Metals	Chromium	1	1	100	1	100	36.00	36.00	36.00	mg/kg	Sediment	10.5	mg/kg
73-002	INORGANIC	Metals	Cobalt	14	14	100	1	7	2.95	0.78	9.90	mg/kg	Soil	8.64	mg/kg
73-002	INORGANIC	Metals	Copper	1	1	100	1	100	220.00	220.00	220.00	mg/kg	Sediment	11.2	mg/kg
73-002	INORGANIC	Metals	Copper	14	14	100	3	21	9.31	1.50	40.20	mg/kg	Soil	14.7	mg/kg
73-002	INORGANIC	Metals	Lead	1	1	100	1	100	1300.00	1300.00	1300.00	mg/kg	Sediment	19.7	mg/kg
73-002	INORGANIC	Metals	Lead	13	13	100	6	46	39.25	9.10	168.00	mg/kg	Soil	22.3	mg/kg
73-002	INORGANIC	Metals	Manganese	9	9	100	1	11	382.56	101.00	790.00	mg/kg	Soil	671	mg/kg
73-002	INORGANIC	Metals	Mercury	1	1	100	1	100	0.55	0.55	0.55	mg/kg	Sediment	0.1	mg/kg
73-002	INORGANIC	Metals	Mercury	14	9	64	2	14	0.08	0.03	0.24	mg/kg	Soil	0.1	mg/kg
73-002	INORGANIC	Metals	Nickel	1	1	100	1	100	17.00	17.00	17.00	mg/kg	Sediment	9.38	mg/kg
73-002	INORGANIC	Metals	Selenium	1	1	100	1	100	0.32	0.32	0.32	mg/kg	Sediment	0.3	mg/kg
73-002	INORGANIC	Metals	Silver	1	1	100	1	100	160.00	160.00	160.00	mg/kg	Sediment	1	mg/kg
73-002	INORGANIC	Metals	Silver	14	4	29	4	29	5.63	1.10	10.70	mg/kg	Soil	1	mg/kg
73-002	INORGANIC	Metals	Thallium	14	3	21	3	21	0.81	0.77	0.87	mg/kg	Soil	0.73	mg/kg
73-002	INORGANIC	Metals	Zinc	1	1	100	1	100	1100.00	1100.00	1100.00	mg/kg	Sediment	60.2	mg/kg
73-002	ORGANIC	Dioxins/Furans	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	5	5	100	5	100	0.0000247	0.0000010	0.0001000	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Heptachlorodibenzodioxins (Total)	4	4	100	4	100	0.0001	0.0000	0.0002	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5	5	100	5	100	0.0000104	0.0000007	0.0000440	mg/kg	Soil		

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									Average	Miniumum	Maximum	Units	Matrix	Value	Units
73-002	ORGANIC	Dioxins/Furans	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5	1	20	1	20	0.0000043	0.0000043	0.0000043	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Heptachlorodibenzofurans (Total)	4	4	100	4	100	0.0000336	0.0000029	0.0001200	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5	2	40	2	40	0.0000018	0.0000003	0.0000033	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	5	3	60	3	60	0.0000027	0.0000003	0.0000068	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	5	2	40	2	40	0.0000041	0.0000009	0.0000073	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzodioxins (Total)	4	4	100	4	100	0.0000159	0.0000023	0.0000520	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5	3	60	3	60	0.0000024	0.0000007	0.0000059	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzofuran[1,2,3,6,7,8-]	5	3	60	3	60	0.0000082	0.0000004	0.0000220	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzofuran[2,3,4,6,7,8-]	5	1	20	1	20	0.0000003	0.0000003	0.0000003	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Hexachlorodibenzofurans (Total)	4	1	25	1	25	0.0000013	0.0000013	0.0000013	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5	5	100	5	100	0.0000131	0.0000007	0.0000550	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Pentachlorodibenzodioxin[1,2,3,7,8-]	5	2	40	2	40	0.0000015	0.0000004	0.0000026	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Pentachlorodibenzodioxins (Total)	4	3	75	3	75	0.0000064	0.0000007	0.0000170	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Pentachlorodibenzofuran[1,2,3,7,8-]	5	1	20	1	20	0.0000022	0.0000022	0.0000022	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Pentachlorodibenzofuran[2,3,4,7,8-]	5	3	60	3	60	0.0000012	0.0000004	0.0000025	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Pentachlorodibenzofurans (Totals)	4	4	100	4	100	0.0000293	0.0000019	0.0000890	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Tetrachlorodibenzodioxin[2,3,7,8-]	12	1	8	1	8	0.0000007	0.0000007	0.0000007	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Tetrachlorodibenzodioxins (Total)	4	4	100	4	100	0.0000037	0.0000007	0.0000120	mg/kg	Soil		
73-002	ORGANIC	Dioxins/Furans	Tetrachlorodibenzofuran[2,3,7,8-]	12	4	33	4	33	0.0000028	0.0000009	0.0000062	mg/kg	Soil		

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73-002	ORGANIC	Dioxins/Furans	Tetrachlorodibenzofurans (Total)	4	4	100	4	100	0.0000351	0.0000045	0.0000930	mg/kg	Soil		
73-002	ORGANIC	PEST	Chlordane(alpha/gamma)	1	1	100	1	100	0.41	0.41	0.41	mg/kg	Sediment		
73-002	ORGANIC	PEST	Chlordane[alpha-]	1	1	100	1	100	0.03	0.03	0.03	mg/kg	Sediment		
73-002	ORGANIC	PEST	Chlordane[gamma-]	1	1	100	1	100	0.04	0.04	0.04	mg/kg	Sediment		
73-002	ORGANIC	PEST	DDD[4,4'-]	1	1	100	1	100	6.80	6.80	6.80	mg/kg	Sediment		
73-002	ORGANIC	PEST	DDE[4,4'-]	1	1	100	1	100	4.38	4.38	4.38	mg/kg	Sediment		
73-002	ORGANIC	PEST	DDT[4,4'-]	1	1	100	1	100	35.40	35.40	35.40	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Acenaphthene	9	2	22	2	22	0.41	0.04	0.78	mg/kg	Soil		
73-002	ORGANIC	SVOA	Anthracene	9	1	11	1	11	0.06	0.06	0.06	mg/kg	Soil		
73-002	ORGANIC	SVOA	Benzo(a)anthracene	9	1	11	1	11	0.10	0.10	0.10	mg/kg	Soil		
73-002	ORGANIC	SVOA	Benzo(a)pyrene	9	1	11	1	11	0.11	0.11	0.11	mg/kg	Soil		
73-002	ORGANIC	SVOA	Benzo(b)fluoranthene	1	1	100	1	100	0.21	0.21	0.21	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Benzo(b)fluoranthene	9	1	11	1	11	0.21	0.21	0.21	mg/kg	Soil		
73-002	ORGANIC	SVOA	Benzoic Acid	1	1	100	1	100	0.19	0.19	0.19	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Benzoic Acid	9	3	33	3	33	0.06	0.04	0.09	mg/kg	Soil		
73-002	ORGANIC	SVOA	Bis(2-ethylhexyl)phthalate	9	1	11	1	11	0.05	0.05	0.05	mg/kg	Soil		
73-002	ORGANIC	SVOA	Chrysene	1	1	100	1	100	0.12	0.12	0.12	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Chrysene	9	1	11	1	11	0.11	0.11	0.11	mg/kg	Soil		
73-002	ORGANIC	SVOA	Di-n-butylphthalate	9	2	22	2	22	0.13	0.08	0.19	mg/kg	Soil		
73-002	ORGANIC	SVOA	Fluoranthene	1	1	100	1	100	0.16	0.16	0.16	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Fluoranthene	9	1	11	1	11	0.24	0.24	0.24	mg/kg	Soil		
73-002	ORGANIC	SVOA	Naphthalene	1	1	100	1	100	0.08	0.08	0.08	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Naphthalene	9	1	11	1	11	0.04	0.04	0.04	mg/kg	Soil		
73-002	ORGANIC	SVOA	Phenanthrene	1	1	100	1	100	0.09	0.09	0.09	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Phenanthrene	9	1	11	1	11	0.21	0.21	0.21	mg/kg	Soil		
73-002	ORGANIC	SVOA	Pyrene	1	1	100	1	100	0.14	0.14	0.14	mg/kg	Sediment		
73-002	ORGANIC	SVOA	Pyrene	9	1	11	1	11	0.32	0.32	0.32	mg/kg	Soil		
73-004(d)	INORGANIC	Metals	Arsenic	12	1	8	1	8	6.00	6.00	6.00	mg/kg	Sediment	3.98	mg/kg
73-004(d)	INORGANIC	Metals	Beryllium	12	1	8	1	8	1.90	1.90	1.90	mg/kg	Sediment	1.31	mg/kg
73-004(d)	INORGANIC	Metals	Cadmium	8	2	25	2	25	0.95	0.90	1.00	mg/kg	Soil	0.4	mg/kg
73-004(d)	INORGANIC	Metals	Chromium	12	8	67	1	8	5.71	2.30	14.10	mg/kg	Sediment	10.5	mg/kg
73-004(d)	INORGANIC	Metals	Copper	8	7	88	4	50	55.91	7.50	188.00	mg/kg	Soil	14.7	mg/kg
73-004(d)	INORGANIC	Metals	Copper	12	1	8	1	8	14.40	14.40	14.40	mg/kg	Sediment	11.2	mg/kg
73-004(d)	INORGANIC	Metals	Iron	8	8	100	1	13	10617.50	3040.00	21600.00	mg/kg	Soil	21500	mg/kg
73-004(d)	INORGANIC	Metals	Iron	12	12	100	1	8	6732.50	3400.00	15100.00	mg/kg	Sediment	13800	mg/kg
73-004(d)	INORGANIC	Metals	Lead	12	12	100	1	8	12.32	4.90	32.50	mg/kg	Sediment	19.7	mg/kg
73-004(d)	INORGANIC	Metals	Mercury	8	1	13	1	13	0.20	0.20	0.20	mg/kg	Soil	0.1	mg/kg

Site ID	Analytical Class	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Frequency of Detect	Number Detects > Background	Frequency > Background (%)	Summary of Detected Results				LANL Soil/Sediment Background Values		
									Average	Miniumum	Maximum	Units	Matrix	Value	Units
73-004(d)	INORGANIC	Metals	Nickel	8	5	63	1	13	11.10	6.40	21.50	mg/kg	Soil	15.4	mg/kg
73-004(d)	INORGANIC	Metals	Nickel	12	2	17	2	17	11.10	11.00	11.20	mg/kg	Sediment	9.38	mg/kg
73-004(d)	INORGANIC	Metals	Silver	8	1	13	1	13	1.70	1.70	1.70	mg/kg	Soil	1	mg/kg
73-004(d)	INORGANIC	Metals	Uranium	1	1	100	1	100	4.04	4.04	4.04	mg/kg	Soil	1.82	mg/kg
73-004(d)	INORGANIC	Metals	Uranium	12	12	100	8	67	3.39	1.48	8.10	mg/kg	Sediment	2.22	mg/kg
73-004(d)	INORGANIC	Metals	Vanadium	12	3	25	2	17	19.97	15.80	23.20	mg/kg	Sediment	19.7	mg/kg
73-004(d)	INORGANIC	Metals	Zinc	8	8	100	3	38	162.80	31.00	608.00	mg/kg	Soil	48.8	mg/kg
73-004(d)	INORGANIC	Metals	Zinc	12	12	100	1	8	53.94	20.30	234.00	mg/kg	Sediment	60.2	mg/kg
73-004(d)	ORGANIC	PCB	Aroclor-1254	7	2	29	2	29	1.04	0.08	2.00	mg/kg	Soil		
73-004(d)	ORGANIC	PCB	Aroclor-1254	12	1	8	1	8	0.12	0.12	0.12	mg/kg	Sediment		
73-004(d)	ORGANIC	PCB	Aroclor-1260	7	1	14	1	14	0.13	0.13	0.13	mg/kg	Soil		
73-004(d)	ORGANIC	PCB	Aroclor-1260	12	2	17	2	17	0.07	0.05	0.09	mg/kg	Sediment		
73-004(d)	ORGANIC	PEST/PCB	Chlordane[alpha-]	12	1	8	1	8	0.01	0.01	0.01	mg/kg	Sediment		
73-004(d)	ORGANIC	PEST/PCB	Chlordane[gamma-]	12	2	17	2	17	0.01	0.00	0.01	mg/kg	Sediment		
73-004(d)	ORGANIC	PEST/PCB	DDE[4,4'-]	8	1	13	1	13	0.05	0.05	0.05	mg/kg	Soil		
73-004(d)	ORGANIC	PEST/PCB	DDE[4,4'-]	12	1	8	1	8	0.0036	0.0036	0.0036	mg/kg	Sediment		
73-004(d)	ORGANIC	PEST/PCB	DDT[4,4'-]	8	3	38	3	38	0.01	0.00	0.03	mg/kg	Soil		
73-004(d)	ORGANIC	PEST/PCB	DDT[4,4'-]	12	5	42	5	42	0.02	0.01	0.05	mg/kg	Sediment		
73-004(d)	ORGANIC	PEST/PCB	Methoxychlor[4,4'-]	8	1	13	1	13	2.10	2.10	2.10	mg/kg	Soil		
73-004(d)	ORGANIC	SVOA	Acenaphthene	12	1	8	1	8	0.64	0.64	0.64	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Anthracene	12	1	8	1	8	0.94	0.94	0.94	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Benzo(a)anthracene	12	1	8	1	8	1.60	1.60	1.60	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Benzo(a)pyrene	12	2	17	2	17	0.88	0.37	1.40	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Benzo(b)fluoranthene	12	1	8	1	8	1.40	1.40	1.40	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Benzo(g,h,i)perylene	12	1	8	1	8	0.92	0.92	0.92	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Benzo(k)fluoranthene	12	1	8	1	8	1.40	1.40	1.40	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Chrysene	12	1	8	1	8	1.80	1.80	1.80	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Fluoranthene	12	3	25	3	25	1.65	0.57	3.80	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Fluorene	12	1	8	1	8	0.52	0.52	0.52	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Indeno(1,2,3-cd)pyrene	12	1	8	1	8	0.85	0.85	0.85	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Naphthalene	12	1	8	1	8	0.43	0.43	0.43	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Phenanthrene	12	2	17	2	17	1.69	0.38	3.00	mg/kg	Sediment		
73-004(d)	ORGANIC	SVOA	Pyrene	12	3	25	3	25	1.24	0.46	2.70	mg/kg	Sediment		
73-004(d)	RAD	RAD	Plutonium-239	1	1	100	1	100	0.10	0.10	0.10	pCi/g	Soil	0.054	pCi/g
73-004(d)	RAD	RAD	Plutonium-239	12	6	50	2	17	0.12	0.02	0.42	pCi/g	Sediment	0.068	pCi/g

ATTACHMENT 2

Summary of Site-Specific Storm Water Monitoring Data
Monitoring Year 2004

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List of Attachment 2 Tables

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Table 1. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
B-SMA-1	SS067	SS	00-011(d)	73.8	LA/Pueblo	Bayo	2004
ACID-SMA-2	E055.5, E056	Gage	01-002(b)-00	71.5	LA/Pueblo	Pueblo	2004
ACID-SMA-2	E055.5, E056	Gage	45-001	50.3	LA/Pueblo	Pueblo	2004
ACID-SMA-2	E055.5, E056	Gage	45-004	50.2	LA/Pueblo	Pueblo	2004
P-SMA-1	SS058	SS	73-001(a)	85.5	LA/Pueblo	Pueblo	2004
P-SMA-1	SS058	SS	73-004(d)	46.7	LA/Pueblo	Pueblo	2004
DP-SMA-1	SS0385	SS	21-011(k)	72.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-1	SS0263	SS	00-017	67.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-1	SS0264	ISCO	00-017	67.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-2	SS0265	ISCO	01-001(f)	56.7	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-2	SS0265	ISCO	01-006(b)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-3	SS0266	ISCO	01-003(a)	79.0	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(n)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(d)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-001(c)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(b)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-4	SS0267	ISCO	01-006(c)	76.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-5	SS0268	ISCO	01-001(d)	74.5	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-5	SS0268	ISCO	01-003(e)	83.0	LA/Pueblo	Upper Los Alamos	2004
LA-SMA-6	SS0269	SS	21-013(b)	67.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-6	SS0269	SS	21-013(g)	67.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-6	SS0269	SS	21-027(d)	45.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-9	SS0304	SS	26-001	65.0	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-10	SS037	SS	53-002(a)	47.8	LA/Pueblo	Middle Los Alamos/DP	2004
LA-SMA-10	SS037	SS	53-008	61.8	LA/Pueblo	Middle Los Alamos/DP	2004
S-SMA-1	E122.2	Gage	03-003(m)	46.3	Sandia	Upper Sandia	2004
S-SMA-1	E122.2	Gage	03-009(a)	61.3	Sandia	Upper Sandia	2004
S-SMA-1	E122.2	Gage	03-029	44.3	Sandia	Upper Sandia	2004
S-SMA-1	E122.2	Gage	03-056(c)	45.0	Sandia	Upper Sandia	2004
S-SMA-2	E121	Gage	03-012(b)	65.0	Sandia	Upper Sandia	2004
S-SMA-2	E121	Gage	03-045(b)	65.0	Sandia	Upper Sandia	2004
S-SMA-2	E121	Gage	03-045(c)	57.7	Sandia	Upper Sandia	2004
S-SMA-3	SS12292	ISCO	03-014(c2)	72.0	Sandia	Upper Sandia	2004
S-SMA-4	SS1238	ISCO	53-014	80.5	Sandia	Lower Sandia	2004

Table 1. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
S-SMA-5	SS1245	SS	20-002(c)	73.8	Sandia	Lower Sandia	2004
S-SMA-6	SS1248	ISCO	72-001	84.3	Sandia	Lower Sandia	2004
M-SMA-1	SS198	ISCO	03-054(e)	89.0	Mortandad	Upper Mortandad	2004
M-SMA-2	SS1984	SS	48-007(f)	76.5	Mortandad	Upper Mortandad	2004
M-SMA-3	SS1985	SS	48-007(c)	69.5	Mortandad	Upper Mortandad	2004
M-SMA-4	SS1987	SS	48-007(a)	55.8	Mortandad	Upper Mortandad	2004
M-SMA-4	SS1987	SS	48-007(d)	55.8	Mortandad	Upper Mortandad	2004
M-SMA-4	SS1987	SS	48-010	80.3	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	55-011(c)	50.3	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-001(a)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-001(b)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-001(c)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-002(a)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-5	SS199	SS	42-002(b)	65.8	Mortandad	Upper Mortandad	2004
M-SMA-6	SS1991	ISCO	35-016(h)	76.5	Mortandad	Upper Mortandad	2004
M-SMA-7	SS1992	ISCO	35-016(g)	68.3	Mortandad	Upper Mortandad	2004
M-SMA-7	SS1992	ISCO	35-016(h)	76.5	Mortandad	Upper Mortandad	2004
M-SMA-8	E200	Gage	50-006(d)	89.0	Mortandad	Upper Mortandad	2004
M-SMA-9	SS2001	SS	35-016(f)	76.5	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-10	SS2002	ISCO	35-008	61.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-10	SS2002	ISCO	35-014(e)	61.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-10	SS2002	ISCO	35-016(e)	72.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-11	SS2003	SS	35-016(o)	60.3	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-12	SS2004	SS	35-016(p)	60.3	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(d)	59.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(h)	44.2	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(l)	59.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(p)	50.8	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(q)	59.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-003(r)	87.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-004(h)	50.8	Mortandad	Middle Mortandad/Ten Site	2004

Table 1. List of Site Monitoring Areas Initiated in Monitoring Year 2004

SMA ID	Monitoring Station ID	Station Type	Site ID	Erosion Matrix Score	Site Watershed	Site Sub-Watershed	Monitoring Year Start
Pratt-SMA-1	SS20142	SS	35-016(k)	53.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-016(l)	64.0	Mortandad	Middle Mortandad/Ten Site	2004
Pratt-SMA-1	SS20142	SS	35-016(m)	72.0	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-1	E201.3	Gage	50-006(a)	77.8	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-1	E201.3	Gage	50-009	54.8	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-3	SS20134	SS	35-016(b)	96.0	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-4	SS20136	SS	35-016(c)	47.2	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-4	SS20136	SS	35-016(d)	76.5	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-5	SS20138	SS	35-016(a)	92.0	Mortandad	Middle Mortandad/Ten Site	2004
T-SMA-6	SS20140	SS	35-016(q)	92.0	Mortandad	Middle Mortandad/Ten Site	2004
M-SMA-13	SS205	SS	05-001(c)	73.5	Mortandad	Lower Mortandad/Cedro	2004
CDB-SMA-1	SS2185	SS	C-46-001	68.3	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-004(t)	68.3	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-008(g)	68.3	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-003(a)	44.7	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-004(d2)	56.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-004(s)	49.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-1	SS2185	SS	46-009(a)	57.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-2	SS2188	SS	46-002	52.8	Mortandad	Upper Canada del Buey	2004
CDB-SMA-2	SS2188	SS	46-009(b)	70.0	Mortandad	Upper Canada del Buey	2004
CDB-SMA-4	E227	Gage	54-017	62.0	Pajarito	Lower Pajarito	2004
CDB-SMA-4	E227	Gage	54-018	52.6	Pajarito	Lower Pajarito	2004
CDB-SMA-4	E227	Gage	54-020	53.7	Pajarito	Lower Pajarito	2004
PJ-SMA-15	E248, E248.5, E249, E249.5	Gage	54-014(d)	52.6	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-017	53.7	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-018	52.6	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-020	53.7	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-018	52.6	Pajarito	Lower Pajarito	2004
PJ-SMA-15		Gage	54-020	53.7	Pajarito	Lower Pajarito	2004

LA = Los Alamos [Canyon] SS = single stage [sampler]

Table 2. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Laboratory-Derived Contaminants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
B-SMA-1	UF	METALS	Arsenic	5	4	2	23	10.7	34.9	24.2	ug/L
	UF	METALS	Lead	5	5	3	177.1	2.6	304	126	ug/L
	UF	METALS	Vanadium	5	4	3	128.2	60.6	190	100	ug/L
DP-SMA-1	UF	METALS	Mercury	3	2	1	0.516	0.091	0.94	0.77	ug/L
LA-SMA-1	UF	GENINORG	Cyanide, Amenable	5	1	1	0.0113	0.0113	0.0113	0.0052	mg/L
	UF	METALS	Arsenic	5	5	5	34.9	26.6	50.1	24.2	ug/L
	UF	METALS	Lead	5	5	5	275	173	540	126	ug/L
	UF	METALS	Vanadium	5	5	5	251	172	398	100	ug/L
LA-SMA-2	UF	PEST/PCB	Aroclor-1254	4	4	4	2.5	1.6	3.8	0.0017	ug/L
LA-SMA-4	UF	METALS	Lead	4	4	2	134.5	50.2	265	126	ug/L
LA-SMA-5	UF	METALS	Mercury	1	1	1	1.7	1.7	1.7	0.77	ug/L
	UF	METALS	Lead	1	1	1	329	329	329	126	ug/L
	UF	METALS	Vanadium	1	1	1	139	139	139	100	ug/L
	UF	PEST/PCB	Aroclor-1260	1	1	1	0.28	0.28	0.28	0.0017	ug/L
LA-SMA-6	UF	METALS	Arsenic	2	2	1	22.6	17.7	27.4	24.2	ug/L
	UF	METALS	Lead	2	2	2	308	210	405	126	ug/L
	UF	PEST/PCB	Aroclor-1260	2	1	1	0.058	0.058	0.058	0.0017	ug/L
S-SMA-1	UF	METALS	Arsenic	7	7	1	17.1	3.2	35.7	24.2	ug/L
	UF	METALS	Lead	7	7	2	81.5	26.7	137	126	ug/L
S-SMA-3	UF	METALS	Arsenic	2	2	1	40.4	18.6	62.2	24.2	ug/L
	UF	METALS	Lead	2	2	1	187	87	286	126	ug/L
	UF	METALS	Vanadium	2	2	1	140.9	76.7	205	100	ug/L
S-SMA-5	UF	METALS	Silver	1	1	1	14	14	14	4.1	ug/L
	UF	METALS	Lead	1	1	1	216	216	216	126	ug/L
	UF	PEST/PCB	Aroclor-1260	1	1	1	0.21	0.21	0.21	0.0017	ug/L
S-SMA-6	UF	METALS	Silver	1	1	1	18.3	18.3	18.3	4.1	ug/L
	UF	METALS	Arsenic	1	1	1	28.9	28.9	28.9	24.2	ug/L
	UF	METALS	Mercury	2	2	2	1.7	1.6	1.8	0.77	ug/L
	UF	METALS	Lead	1	1	1	1450	1450	1450	126	ug/L

Table 2. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Laboratory-Derived Contaminants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
M-SMA-2	UF	METALS	Vanadium	2	2	1	80.4	44.8	116	100	ug/L
M-SMA-4	UF	METALS	Lead	5	5	1	51.2	5.8	165	126	ug/L
M-SMA-13	UF	METALS	Lead	5	5	4	173	106	255	126	ug/L
Pratt-SMA-1	UF	METALS	Arsenic	5	4	2	31.9	21.2	55.7	24.2	ug/L
	UF	METALS	Lead	5	5	1	112.2	11.5	262	126	ug/L
	UF	METALS	Vanadium	5	5	4	158.5	33.4	315	100	ug/L
	UF	PEST/PCB	Aroclor-1254	5	1	1	0.21	0.21	0.21	0.0017	ug/L
T-SMA-3	UF	METALS	Silver	5	5	1	2.7	1.5	4.3	4.1	ug/L
CDB-SMA-2	UF	METALS	Silver	2	2	1	5.1	1.9	8.3	4.1	ug/L
CDB-SMA-4	UF	METALS	Vanadium	1	1	1	108	108	108	100	ug/L

Table 3. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
ACID-SMA-2	UF	GENINORG	Chemical Oxygen Demand	1	1	1	161	161	161	120	mg/L
	UF	GENINORG	Magnesium	1	1	1	5.84	5.84	5.84	0.0636	mg/L
	UF	METALS	Aluminum	1	1	1	34200	34200	34200	5000	ug/L
B-SMA-1	UF	GENINORG	Chemical Oxygen Demand	5	5	4	657.2	92.2	2020	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	12.79	0.783	23.9	0.0636	mg/L
	UF	METALS	Aluminum	5	5	4	75210	2250	140000	5000	ug/L
DP-SMA-1	UF	GENINORG	Chemical Oxygen Demand	4	4	1	122.6	57.5	277	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	27.1	11.3	45.4	0.0636	mg/L
LA-SMA-1	UF	GENINORG	Chemical Oxygen Demand	5	5	5	792	235	1630	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	31.3	22.5	55.9	0.0636	mg/L
	UF	METALS	Aluminum	5	5	5	151640	97200	253000	5000	ug/L
LA-SMA-2	UF	GENINORG	Magnesium	4	4	4	1.95	1.14	2.97	0.0636	mg/L
	UF	METALS	Aluminum	4	4	2	8295	4170	12400	5000	ug/L
LA-SMA-3	UF	GENINORG	Chemical Oxygen Demand	4	4	4	146	124	160	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	2.82	1.75	4.93	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	12013	6080	23300	5000	ug/L
LA-SMA-4	UF	GENINORG	Chemical Oxygen Demand	4	4	4	345	142	485	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	7.53	4.05	12.3	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	48950	27300	79300	5000	ug/L
LA-SMA-5	UF	GENINORG	Chemical Oxygen Demand	1	1	1	510	510	510	120	mg/L
	UF	GENINORG	Magnesium	1	1	1	16.4	16.4	16.4	0.0636	mg/L
	UF	METALS	Aluminum	1	1	1	80800	80800	80800	5000	ug/L
LA-SMA-6	UF	GENINORG	Chemical Oxygen Demand	1	1	1	652	652	652	120	mg/L
	UF	GENINORG	Magnesium	2	2	2	13.1	10.7	15.5	0.0636	mg/L
	UF	METALS	Aluminum	2	2	2	80900	57800	104000	5000	ug/L
LA-SMA-10	UF	GENINORG	Magnesium	1	1	1	3.33	3.33	3.33	0.0636	mg/L

Table 3. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
S-SMA-1	UF	GENINORG	Chemical Oxygen Demand	7	7	5	204.7	79.4	503	120	mg/L
	UF	GENINORG	Magnesium	7	7	7	20.8	5.92	45.2	0.0636	mg/L
S-SMA-2	UF	GENINORG	Magnesium	5	5	5	4.26	2.9	6.72	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	13445	6980	16900	5000	ug/L
S-SMA-3	UF	GENINORG	Chemical Oxygen Demand	1	1	1	248	248	248	120	mg/L
	UF	GENINORG	Magnesium	2	2	2	20.0	11.5	28.5	0.0636	mg/L
	UF	METALS	Aluminum	2	2	2	107900	65800	150000	5000	ug/L
S-SMA-4	UF	GENINORG	Chemical Oxygen Demand	4	3	1	106.7	27.2	193	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	6.76	4.16	9.69	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	23988	7350	40600	5000	ug/L
S-SMA-5	UF	GENINORG	Magnesium	1	1	1	13.4	13.4	13.4	0.0636	mg/L
	UF	METALS	Aluminum	1	1	1	65900	65900	65900	5000	ug/L
S-SMA-6	UF	GENINORG	Chemical Oxygen Demand	1	1	1	2980	2980	2980	120	mg/L
	UF	GENINORG	Magnesium	1	1	1	9.39	9.39	9.39	0.0636	mg/L
M-SMA-1	UF	GENINORG	Chemical Oxygen Demand	3	3	1	138	117	179	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	2.37	1.73	3.65	0.0636	mg/L
	UF	METALS	Aluminum	4	4	3	9355	4070	18900	5000	ug/L
M-SMA-2	UF	GENINORG	Chemical Oxygen Demand	2	2	1	80.1	37.2	123	120	mg/L
	UF	GENINORG	Magnesium	2	2	2	9.98	5.75	14.2	0.0636	mg/L
	UF	METALS	Aluminum	2	2	2	62050	37100	87000	5000	ug/L
M-SMA-3	UF	GENINORG	Chemical Oxygen Demand	3	3	2	226.23	9.68	508	120	mg/L
	UF	GENINORG	Magnesium	3	3	3	5.68	3.82	6.91	0.0636	mg/L
	UF	METALS	Aluminum	3	3	3	32533	22600	40400	5000	ug/L
M-SMA-4	UF	GENINORG	Chemical Oxygen Demand	5	5	1	128.6	28.3	430	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	3.88	1.78	10.2	0.0636	mg/L
	UF	METALS	Aluminum	5	5	4	18090	4710	56400	5000	ug/L
M-SMA-5	UF	GENINORG	Chemical Oxygen Demand	4	4	4	274	127	429	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	5.70	1.91	8.24	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	34550	12600	46600	5000	ug/L

Table 3. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
M-SMA-6	UF	GENINORG	Chemical Oxygen Demand	4	4	4	255	134	408	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	5.03	1.62	9.02	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	27173	7690	46900	5000	ug/L
M-SMA-8	UF	GENINORG	Chemical Oxygen Demand	4	4	2	144	22	245	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	4.77	2.76	7.14	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	25300	13300	42300	5000	ug/L
M-SMA-9	UF	GENINORG	Chemical Oxygen Demand	4	4	2	126.6	67.3	184	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	4.16	2.02	9.95	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	23475	11700	57400	5000	ug/L
M-SMA-11	UF	GENINORG	Chemical Oxygen Demand	5	5	4	175.1	77.3	253	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	1.51	0.375	2.32	0.0636	mg/L
	UF	METALS	Aluminum	5	5	3	10029	917	15900	5000	ug/L
M-SMA-12	UF	GENINORG	Chemical Oxygen Demand	1	1	1	124	124	124	120	mg/L
	UF	GENINORG	Magnesium	1	1	1	2.73	2.73	2.73	0.0636	mg/L
	UF	METALS	Aluminum	1	1	1	15200	15200	15200	5000	ug/L
M-SMA-13	UF	GENINORG	Chemical Oxygen Demand	5	5	3	788.3	62.2	2670	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	14.3	11.1	18.1	0.0636	mg/L
Pratt-SMA-1	UF	GENINORG	Chemical Oxygen Demand	5	5	3	261.3	53.3	564	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	25.85	5.16	57.6	0.0636	mg/L
	UF	METALS	Aluminum	5	5	5	126720	30300	277000	5000	ug/L
T-SMA-1	UF	GENINORG	Chemical Oxygen Demand	2	1	1	171	171	171	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	3.088	0.744	9.85	0.0636	mg/L
	UF	METALS	Aluminum	3	3	1	23203	1370	65100	5000	ug/L
T-SMA-3	UF	GENINORG	Chemical Oxygen Demand	5	5	4	174.8	79.2	336	120	mg/L
	UF	GENINORG	Magnesium	5	5	5	4.53	2.68	6.59	0.0636	mg/L
	UF	METALS	Aluminum	5	5	5	24120	12600	39400	5000	ug/L
T-SMA-4	UF	GENINORG	Chemical Oxygen Demand	3	3	1	78.8	20.7	158	120	mg/L
	UF	GENINORG	Magnesium	3	3	3	2.41	2.16	2.76	0.0636	mg/L
	UF	METALS	Aluminum	3	3	3	13167	11200	15600	5000	ug/L

Table 3. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Potential Non-Laboratory Derived Pollutants

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
T-SMA-5	UF	GENINORG	Chemical Oxygen Demand	2	2	2	415	296	533	120	mg/L
	UF	GENINORG	Magnesium	2	2	2	7.47	6.32	8.61	0.0636	mg/L
	UF	METALS	Aluminum	2	2	2	43450	35500	51400	5000	ug/L
CDB-SMA-1	UF	GENINORG	Chemical Oxygen Demand	4	4	2	107.5	55.4	161	120	mg/L
	UF	GENINORG	Magnesium	4	4	4	4.14	3.04	5.14	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	23200	17300	27900	5000	ug/L
CDB-SMA-2	UF	GENINORG	Chemical Oxygen Demand	2	2	1	90.4	49.7	131	120	mg/L
	UF	GENINORG	Magnesium	2	2	2	3.23	2.73	3.73	0.0636	mg/L
	UF	METALS	Aluminum	2	2	2	18300	10400	26200	5000	ug/L
CDB-SMA-4	UF	GENINORG	Chemical Oxygen Demand	1	1	1	160	160	160	120	mg/L
	UF	GENINORG	Magnesium	1	1	1	27.8	27.8	27.8	0.0636	mg/L
	UF	METALS	Aluminum	1	1	1	79300	79300	79300	5000	ug/L
PJ-SMA-15	UF	GENINORG	Chemical Oxygen Demand	8	7	2	177.6	40.5	461	120	mg/L
	UF	GENINORG	Magnesium	9	9	9	2.63	1.09	4.93	0.0636	mg/L
	UF	METALS	Aluminum	4	4	4	11698	5150	20600	5000	ug/L

Table 4. Site-Specific Storm Water Runoff Monitoring, 2004
Analytical Results greater than wSAL
Summary for Gross Alpha

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > wSAL	Summary of Detected Results				
							Average	Minimum	Maximum	wSAL	Units
DP-SMA-1	UF	RAD	Gross alpha	2	2	2	162.5	128	197	15	pCi/L
LA-SMA-1	UF	RAD	Gross alpha	5	5	5	175.3	26.5	312	15	pCi/L
LA-SMA-2	UF	RAD	Gross alpha	4	4	1	12.74	6.15	25.5	15	pCi/L
LA-SMA-3	UF	RAD	Gross alpha	4	4	1	21.32	8.15	56.4	15	pCi/L
LA-SMA-4	UF	RAD	Gross alpha	4	4	4	90.9	40.4	210	15	pCi/L
LA-SMA-5	UF	RAD	Gross alpha	1	1	1	161	161	161	15	pCi/L
LA-SMA-6	UF	RAD	Gross alpha	1	1	1	127	127	127	15	pCi/L
S-SMA-2	UF	RAD	Gross alpha	3	3	2	20.83	5.79	32	15	pCi/L
S-SMA-4	UF	RAD	Gross alpha	4	4	3	57.19	6.26	144	15	pCi/L
S-SMA-6	UF	RAD	Gross alpha	1	1	1	253	253	253	15	pCi/L
M-SMA-1	UF	RAD	Gross alpha	3	3	1	13.83	3.28	25.2	15	pCi/L
M-SMA-11	UF	RAD	Gross alpha	4	4	4	72.5	26.2	141	15	pCi/L
M-SMA-13	UF	RAD	Gross alpha	4	4	4	214.4	50.3	604	15	pCi/L
M-SMA-2	UF	RAD	Gross alpha	2	2	2	54.2	42.3	66	15	pCi/L
M-SMA-3	UF	RAD	Gross alpha	3	3	3	79.2	36.1	112	15	pCi/L
M-SMA-4	UF	RAD	Gross alpha	5	5	2	24.5	1	65	15	pCi/L
M-SMA-5	UF	RAD	Gross alpha	2	2	2	220	202	237	15	pCi/L
M-SMA-6	UF	RAD	Gross alpha	4	4	3	31.25	2.79	56	15	pCi/L
M-SMA-8	UF	RAD	Gross alpha	4	4	4	222.8	26.8	751	15	pCi/L
M-SMA-9	UF	RAD	Gross alpha	4	4	4	39.4	18	62.5	15	pCi/L
Pratt-SMA-1	UF	RAD	Gross alpha	5	5	5	102.5	58.9	142	15	pCi/L
T-SMA-3	UF	RAD	Gross alpha	5	5	5	53.3	24.5	115	15	pCi/L
T-SMA-4	UF	RAD	Gross alpha	3	3	2	14.21	7.83	19.3	15	pCi/L
T-SMA-5	UF	RAD	Gross alpha	2	2	2	32.2	32	32.4	15	pCi/L
CDB-SMA-1	UF	RAD	Gross alpha	4	4	3	26.76	8.73	38.2	15	pCi/L
CDB-SMA-2	UF	RAD	Gross alpha	1	1	1	78.7	78.7	78.7	15	pCi/L
PJ-SMA-15	UF	RAD	Gross alpha	5	5	1	30.05	2.55	132	15	pCi/L

NOTE: Gross alpha values have not been corrected for the presence of radionuclides regulated under the Atomic Energy Act of 1954.

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
ACID-SMA-2	9/27/2004	UF	GU0409E055501	GENINORG	Chemical Oxygen Demand	161	mg/L			120	mg/L
ACID-SMA-2	9/27/2004	UF	GU0409E055501	GENINORG	Magnesium	5.84	mg/L	E		0.0636	mg/L
ACID-SMA-2	9/27/2004	UF	GU0409E055501	METALS	Aluminum	34200	ug/L	*		5000	ug/L
B-SMA-1	7/27/2004	UF	GU04080K06701	GENINORG	Magnesium	6.86	mg/L	E		0.0636	mg/L
B-SMA-1	7/27/2004	UF	GU04080K06701	METALS	Aluminum	42700	ug/L			5000	ug/L
B-SMA-1	8/6/2004	UF	GU04080K06702	GENINORG	Chemical Oxygen Demand	135	mg/L			120	mg/L
B-SMA-1	8/6/2004	UF	GU04080K06702	GENINORG	Magnesium	16.5	mg/L	N	J+	0.0636	mg/L
B-SMA-1	8/6/2004	UF	GU04080K06702	METALS	Aluminum	97000	ug/L			5000	ug/L
B-SMA-1	8/6/2004	UF	GU04080K06702	METALS	Arsenic	25.2	ug/L			24.2	ug/L
B-SMA-1	8/6/2004	UF	GU04080K06702	METALS	Lead	262	ug/L			126	ug/L
B-SMA-1	8/6/2004	UF	GU04080K06702	METALS	Vanadium	132	ug/L			100	ug/L
B-SMA-1	8/10/2004	UF	GU04080K06703	GENINORG	Chemical Oxygen Demand	694	mg/L		J	120	mg/L
B-SMA-1	8/10/2004	UF	GU04080K06703	GENINORG	Magnesium	0.783	mg/L			0.0636	mg/L
B-SMA-1	8/11/2004	UF	GU04080K06704	GENINORG	Chemical Oxygen Demand	345	mg/L			120	mg/L
B-SMA-1	8/11/2004	UF	GU04080K06704	GENINORG	Magnesium	15.9	mg/L			0.0636	mg/L
B-SMA-1	8/11/2004	UF	GU04080K06704	METALS	Aluminum	94100	ug/L		J-	5000	ug/L
B-SMA-1	8/11/2004	UF	GU04080K06704	METALS	Lead	217	ug/L	E		126	ug/L
B-SMA-1	8/11/2004	UF	GU04080K06704	METALS	Vanadium	130	ug/L			100	ug/L
B-SMA-1	8/20/2004	UF	GU04080K06705	GENINORG	Chemical Oxygen Demand	2020	mg/L			120	mg/L
B-SMA-1	8/20/2004	UF	GU04080K06705	GENINORG	Magnesium	23.9	mg/L	N	J+	0.0636	mg/L
B-SMA-1	8/20/2004	UF	GU04080K06705	METALS	Aluminum	140000	ug/L	N	J+	5000	ug/L
B-SMA-1	8/20/2004	UF	GU04080K06705	METALS	Arsenic	34.9	ug/L			24.2	ug/L
B-SMA-1	8/20/2004	UF	GU04080K06705	METALS	Lead	304	ug/L			126	ug/L
B-SMA-1	8/20/2004	UF	GU04080K06705	METALS	Vanadium	190	ug/L			100	ug/L
CDB-SMA-1	7/27/2004	UF	GU0408K218501	GENINORG	Chemical Oxygen Demand	161	mg/L			120	mg/L
CDB-SMA-1	7/27/2004	UF	GU0408K218501	GENINORG	Magnesium	3.8	mg/L	N*		0.0636	mg/L
CDB-SMA-1	7/27/2004	UF	GU0408K218501	METALS	Aluminum	21400	ug/L			5000	ug/L
CDB-SMA-1	7/27/2004	UF	GU0408K218501	RAD	Gross alpha	21.9	pCi/L			15	pCi/L
CDB-SMA-1	8/18/2004	UF	GU0408K218502	GENINORG	Magnesium	5.14	mg/L	N	J+	0.0636	mg/L
CDB-SMA-1	8/18/2004	UF	GU0408K218502	METALS	Aluminum	27900	ug/L			5000	ug/L
CDB-SMA-1	8/18/2004	UF	GU0408K218502	RAD	Gross alpha	38.2	pCi/L		J-	15	pCi/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
CDB-SMA-1	10/5/2004	UF	GU0410K218501	GENINORG	Chemical Oxygen Demand	147	mg/L			120	mg/L
CDB-SMA-1	10/5/2004	UF	GU0410K218501	GENINORG	Magnesium	3.04	mg/L			0.0636	mg/L
CDB-SMA-1	10/5/2004	UF	GU0410K218501	METALS	Aluminum	17300	ug/L	N		5000	ug/L
CDB-SMA-1	10/5/2004	UF	GU0410K218501	RAD	Gross alpha	38.2	pCi/L			15	pCi/L
CDB-SMA-1	10/11/2004	UF	GU0410K218502	GENINORG	Magnesium	4.59	mg/L			0.0636	mg/L
CDB-SMA-1	10/11/2004	UF	GU0410K218502	METALS	Aluminum	26200	ug/L	N		5000	ug/L
CDB-SMA-2	7/27/2004	UF	GU0408K218801	GENINORG	Magnesium	3.73	mg/L	E		0.0636	mg/L
CDB-SMA-2	7/27/2004	UF	GU0408K218801	METALS	Aluminum	26200	ug/L			5000	ug/L
CDB-SMA-2	7/27/2004	UF	GU0408K218801	METALS	Silver	8.3	ug/L			4.1	ug/L
CDB-SMA-2	7/27/2004	UF	GU0408K218801	RAD	Gross alpha	78.7	pCi/L			15	pCi/L
CDB-SMA-2	10/11/2004	UF	GU0410K218801	GENINORG	Chemical Oxygen Demand	131	mg/L			120	mg/L
CDB-SMA-2	10/11/2004	UF	GU0410K218801	GENINORG	Magnesium	2.73	mg/L			0.0636	mg/L
CDB-SMA-2	10/11/2004	UF	GU0410K218801	METALS	Aluminum	10400	ug/L	N		5000	ug/L
CDB-SMA-4	8/10/2004	UF	GU04080E22701	GENINORG	Chemical Oxygen Demand	160	mg/L		J	120	mg/L
CDB-SMA-4	8/10/2004	UF	GU04080E22701	GENINORG	Magnesium	27.8	mg/L			0.0636	mg/L
CDB-SMA-4	8/10/2004	UF	GU04080E22701	METALS	Aluminum	79300	ug/L			5000	ug/L
CDB-SMA-4	8/10/2004	UF	GU04080E22701	METALS	Vanadium	108	ug/L			100	ug/L
DP-SMA-1	7/27/2004	UF	GU0408K038501	GENINORG	Magnesium	45.4	mg/L	E		0.0636	mg/L
DP-SMA-1	7/27/2004	UF	GU0408K038501	RAD	Gross alpha	197	pCi/L			15	pCi/L
DP-SMA-1	8/24/2004	UF	GU0408K038502	GENINORG	Chemical Oxygen Demand	277	mg/L			120	mg/L
DP-SMA-1	8/24/2004	UF	GU0408K038502	GENINORG	Magnesium	29	mg/L			0.0636	mg/L
DP-SMA-1	8/24/2004	UF	GU0408K038502	METALS	Mercury	0.94	ug/L			0.77	ug/L
DP-SMA-1	8/24/2004	UF	GU0408K038502	RAD	Gross alpha	128	pCi/L			15	pCi/L
DP-SMA-1	10/5/2004	UF	GU0410K038501	GENINORG	Magnesium	22.8	mg/L			0.0636	mg/L
DP-SMA-1	10/11/2004	UF	GU0410K038502	GENINORG	Magnesium	11.3	mg/L			0.0636	mg/L
LA-SMA-1	7/18/2004	UF	GU04080262501	GENINORG	Chemical Oxygen Demand	688	mg/L			120	mg/L
LA-SMA-1	7/18/2004	UF	GU04080262501	GENINORG	Magnesium	25.2	mg/L	N*		0.0636	mg/L
LA-SMA-1	7/18/2004	UF	GU04080262501	METALS	Aluminum	97200	ug/L			5000	ug/L
LA-SMA-1	7/18/2004	UF	GU04080262501	METALS	Arsenic	35.2	ug/L			24.2	ug/L
LA-SMA-1	7/18/2004	UF	GU04080262501	METALS	Lead	209	ug/L			126	ug/L
LA-SMA-1	7/18/2004	UF	GU04080262501	METALS	Vanadium	242	ug/L			100	ug/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
LA-SMA-1	7/18/2004	UF	GU04080262501	RAD	Gross alpha	108	pCi/L			15	pCi/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	GENINORG	Chemical Oxygen Demand	1630	mg/L			120	mg/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	GENINORG	Magnesium	28.8	mg/L			0.0636	mg/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	METALS	Aluminum	150000	ug/L		J-	5000	ug/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	METALS	Arsenic	34.9	ug/L			24.2	ug/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	METALS	Lead	271	ug/L		J+	126	ug/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	METALS	Vanadium	239	ug/L			100	ug/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	RAD	Gross alpha	312	pCi/L			15	pCi/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	GENINORG	Chemical Oxygen Demand	555	mg/L			120	mg/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	GENINORG	Magnesium	55.9	mg/L	N		0.0636	mg/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	METALS	Aluminum	253000	ug/L			5000	ug/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	METALS	Arsenic	50.1	ug/L			24.2	ug/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	METALS	Lead	540	ug/L			126	ug/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	METALS	Vanadium	398	ug/L			100	ug/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	RAD	Gross alpha	287	pCi/L			15	pCi/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	GENINORG	Chemical Oxygen Demand	851	mg/L		J-	120	mg/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	GENINORG	Cyanide, Amenable	0.0113	mg/L		J	0.0052	mg/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	GENINORG	Magnesium	22.5	mg/L			0.0636	mg/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	METALS	Aluminum	116000	ug/L			5000	ug/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	METALS	Arsenic	26.6	ug/L			24.2	ug/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	METALS	Lead	181	ug/L	E	J	126	ug/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	METALS	Vanadium	172	ug/L			100	ug/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	RAD	Gross alpha	143	pCi/L		J-	15	pCi/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	GENINORG	Chemical Oxygen Demand	235	mg/L		J	120	mg/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	GENINORG	Magnesium	24.1	mg/L		J	0.0636	mg/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	METALS	Aluminum	142000	ug/L		J	5000	ug/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	METALS	Arsenic	27.5	ug/L		J	24.2	ug/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	METALS	Lead	173	ug/L			126	ug/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	METALS	Vanadium	206	ug/L		J	100	ug/L
LA-SMA-1	9/4/2004	UF	GU0409K026401	RAD	Gross alpha	26.5	pCi/L			15	pCi/L
LA-SMA-2	8/6/2004	UF	GU0408K026501	GENINORG	Magnesium	1.14	mg/L			0.0636	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
LA-SMA-2	8/6/2004	UF	GU0408K026501	PEST/PCB	Aroclor-1254	1.6	ug/L		J-	0.0017	ug/L
LA-SMA-2	8/15/2004	UF	GU0408K026502	GENINORG	Magnesium	1.39	mg/L			0.0636	mg/L
LA-SMA-2	8/15/2004	UF	GU0408K026502	PEST/PCB	Aroclor-1254	2.4	ug/L			0.0017	ug/L
LA-SMA-2	8/18/2004	UF	GU0408K026503	GENINORG	Magnesium	2.31	mg/L	N		0.0636	mg/L
LA-SMA-2	8/18/2004	UF	GU0408K026503	METALS	Aluminum	11900	ug/L			5000	ug/L
LA-SMA-2	8/18/2004	UF	GU0408K026503	PEST/PCB	Aroclor-1254	3.8	ug/L			0.0017	ug/L
LA-SMA-2	8/18/2004	UF	GU0408K026503	RAD	Gross alpha	25.5	pCi/L			15	pCi/L
LA-SMA-2	8/20/2004	UF	GU0408K026504	GENINORG	Magnesium	2.97	mg/L	N	J+	0.0636	mg/L
LA-SMA-2	8/20/2004	UF	GU0408K026504	METALS	Aluminum	12400	ug/L	N	J+	5000	ug/L
LA-SMA-2	8/20/2004	UF	GU0408K026504	PEST/PCB	Aroclor-1254	2.2	ug/L			0.0017	ug/L
LA-SMA-3	8/18/2004	UF	GU0408K026601	GENINORG	Chemical Oxygen Demand	160	mg/L			120	mg/L
LA-SMA-3	8/18/2004	UF	GU0408K026601	GENINORG	Magnesium	4.93	mg/L	N		0.0636	mg/L
LA-SMA-3	8/18/2004	UF	GU0408K026601	METALS	Aluminum	23300	ug/L			5000	ug/L
LA-SMA-3	8/18/2004	UF	GU0408K026601	RAD	Gross alpha	56.4	pCi/L			15	pCi/L
LA-SMA-3	8/20/2004	UF	GU0408K026602	GENINORG	Chemical Oxygen Demand	147	mg/L			120	mg/L
LA-SMA-3	8/20/2004	UF	GU0408K026602	GENINORG	Magnesium	2.01	mg/L	N	J+	0.0636	mg/L
LA-SMA-3	8/20/2004	UF	GU0408K026602	METALS	Aluminum	7070	ug/L	N	J+	5000	ug/L
LA-SMA-3	9/25/2004	UF	GU0409K026601	GENINORG	Chemical Oxygen Demand	154	mg/L			120	mg/L
LA-SMA-3	9/25/2004	UF	GU0409K026601	GENINORG	Magnesium	1.75	mg/L		J-	0.0636	mg/L
LA-SMA-3	9/25/2004	UF	GU0409K026601	METALS	Aluminum	6080	ug/L			5000	ug/L
LA-SMA-3	10/5/2004	UF	GU0410K026601	GENINORG	Chemical Oxygen Demand	124	mg/L			120	mg/L
LA-SMA-3	10/5/2004	UF	GU0410K026601	GENINORG	Magnesium	2.58	mg/L			0.0636	mg/L
LA-SMA-3	10/5/2004	UF	GU0410K026601	METALS	Aluminum	11600	ug/L	N		5000	ug/L
LA-SMA-4	8/6/2004	UF	GU0408K026701	GENINORG	Magnesium	5.95	mg/L			0.0636	mg/L
LA-SMA-4	8/6/2004	UF	GU0408K026701	METALS	Aluminum	39400	ug/L		J-	5000	ug/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	GENINORG	Chemical Oxygen Demand	485	mg/L			120	mg/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	GENINORG	Magnesium	12.3	mg/L			0.0636	mg/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	METALS	Aluminum	79300	ug/L	EN	J+	5000	ug/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	METALS	Lead	148	ug/L			126	ug/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	RAD	Gross alpha	66.4	pCi/L			15	pCi/L
LA-SMA-4	8/18/2004	UF	GU0408K026703	GENINORG	Chemical Oxygen Demand	396	mg/L			120	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
LA-SMA-4	8/18/2004	UF	GU0408K026703	GENINORG	Magnesium	7.81	mg/L	N		0.0636	mg/L
LA-SMA-4	8/18/2004	UF	GU0408K026703	METALS	Aluminum	49800	ug/L			5000	ug/L
LA-SMA-4	8/18/2004	UF	GU0408K026703	METALS	Lead	265	ug/L			126	ug/L
LA-SMA-4	8/18/2004	UF	GU0408K026703	RAD	Gross alpha	210	pCi/L			15	pCi/L
LA-SMA-4	9/4/2004	UF	GU0409K026701	GENINORG	Chemical Oxygen Demand	142	mg/L		J	120	mg/L
LA-SMA-4	9/4/2004	UF	GU0409K026701	GENINORG	Magnesium	4.05	mg/L		J	0.0636	mg/L
LA-SMA-4	9/4/2004	UF	GU0409K026701	METALS	Aluminum	27300	ug/L		J	5000	ug/L
LA-SMA-4	9/4/2004	UF	GU0409K026701	RAD	Gross alpha	40.4	pCi/L			15	pCi/L
LA-SMA-4	9/13/2004	UF	GU0409K026702	RAD	Gross alpha	46.6	pCi/L		J-	15	pCi/L
LA-SMA-4	9/25/2004	UF	GU0409K026703	GENINORG	Chemical Oxygen Demand	357	mg/L			120	mg/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	GENINORG	Chemical Oxygen Demand	510	mg/L			120	mg/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	GENINORG	Magnesium	16.4	mg/L	N		0.0636	mg/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	METALS	Aluminum	80800	ug/L			5000	ug/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	METALS	Lead	329	ug/L			126	ug/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	METALS	Mercury	1.7	ug/L			0.77	ug/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	METALS	Vanadium	139	ug/L			100	ug/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	PEST/PCB	Aroclor-1260	0.28	ug/L			0.0017	ug/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	RAD	Gross alpha	161	pCi/L			15	pCi/L
LA-SMA-6	7/27/2004	UF	GU0408K026901	GENINORG	Chemical Oxygen Demand	652	mg/L			120	mg/L
LA-SMA-6	7/27/2004	UF	GU0408K026901	GENINORG	Magnesium	10.7	mg/L	N*		0.0636	mg/L
LA-SMA-6	7/27/2004	UF	GU0408K026901	METALS	Aluminum	57800	ug/L			5000	ug/L
LA-SMA-6	7/27/2004	UF	GU0408K026901	METALS	Lead	210	ug/L			126	ug/L
LA-SMA-6	7/27/2004	UF	GU0408K026901	PEST/PCB	Aroclor-1260	0.058	ug/L	J	J	0.0017	ug/L
LA-SMA-6	9/19/2004	UF	GU0409K026901	GENINORG	Magnesium	15.5	mg/L	N		0.0636	mg/L
LA-SMA-6	9/19/2004	UF	GU0409K026901	METALS	Aluminum	104000	ug/L			5000	ug/L
LA-SMA-6	9/19/2004	UF	GU0409K026901	METALS	Arsenic	27.4	ug/L	*		24.2	ug/L
LA-SMA-6	9/19/2004	UF	GU0409K026901	METALS	Lead	405	ug/L			126	ug/L
LA-SMA-6	9/19/2004	UF	GU0409K026901	RAD	Gross alpha	127	pCi/L			15	pCi/L
LA-SMA-10	10/5/2004	UF	GU04100K03701	GENINORG	Magnesium	3.33	mg/L			0.0636	mg/L
M-SMA-1	8/11/2004	UF	GU04080K19801	GENINORG	Chemical Oxygen Demand	179	mg/L			120	mg/L
M-SMA-1	8/11/2004	UF	GU04080K19801	GENINORG	Magnesium	3.65	mg/L			0.0636	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
M-SMA-1	8/11/2004	UF	GU04080K19801	METALS	Aluminum	18900	ug/L		J-	5000	ug/L
M-SMA-1	8/18/2004	UF	GU04080K19802	GENINORG	Magnesium	2.16	mg/L			0.0636	mg/L
M-SMA-1	8/18/2004	UF	GU04080K19802	METALS	Aluminum	9180	ug/L			5000	ug/L
M-SMA-1	8/19/2004	UF	GU04080K19803	GENINORG	Magnesium	1.73	mg/L	N	J+	0.0636	mg/L
M-SMA-1	8/19/2004	UF	GU04080K19803	METALS	Aluminum	5270	ug/L	N	J+	5000	ug/L
M-SMA-1	9/4/2004	UF	GU04090K19801	GENINORG	Magnesium	1.92	mg/L		J	0.0636	mg/L
M-SMA-1	9/4/2004	UF	GU04090K19801	RAD	Gross alpha	25.2	pCi/L		J	15	pCi/L
M-SMA-2	7/27/2004	UF	GU0408K198401	GENINORG	Magnesium	14.2	mg/L	E		0.0636	mg/L
M-SMA-2	7/27/2004	UF	GU0408K198401	METALS	Aluminum	87000	ug/L			5000	ug/L
M-SMA-2	7/27/2004	UF	GU0408K198401	METALS	Vanadium	116	ug/L			100	ug/L
M-SMA-2	7/27/2004	UF	GU0408K198401	RAD	Gross alpha	66	pCi/L			15	pCi/L
M-SMA-2	8/19/2004	UF	GU0408K198402	GENINORG	Chemical Oxygen Demand	123	mg/L			120	mg/L
M-SMA-2	8/19/2004	UF	GU0408K198402	GENINORG	Magnesium	5.75	mg/L	N		0.0636	mg/L
M-SMA-2	8/19/2004	UF	GU0408K198402	METALS	Aluminum	37100	ug/L			5000	ug/L
M-SMA-2	8/19/2004	UF	GU0408K198402	RAD	Gross alpha	42.3	pCi/L			15	pCi/L
M-SMA-3	7/27/2004	UF	GU0408K198501	GENINORG	Magnesium	6.91	mg/L	E		0.0636	mg/L
M-SMA-3	7/27/2004	UF	GU0408K198501	METALS	Aluminum	40400	ug/L			5000	ug/L
M-SMA-3	7/27/2004	UF	GU0408K198501	RAD	Gross alpha	112	pCi/L			15	pCi/L
M-SMA-3	8/19/2004	UF	GU0408K198502	GENINORG	Chemical Oxygen Demand	508	mg/L			120	mg/L
M-SMA-3	8/19/2004	UF	GU0408K198502	GENINORG	Magnesium	6.3	mg/L	N		0.0636	mg/L
M-SMA-3	8/19/2004	UF	GU0408K198502	METALS	Aluminum	34600	ug/L			5000	ug/L
M-SMA-3	8/19/2004	UF	GU0408K198502	RAD	Gross alpha	89.4	pCi/L			15	pCi/L
M-SMA-3	9/27/2004	UF	GU0409K198501	GENINORG	Chemical Oxygen Demand	161	mg/L			120	mg/L
M-SMA-3	9/27/2004	UF	GU0409K198501	GENINORG	Magnesium	3.82	mg/L			0.0636	mg/L
M-SMA-3	9/27/2004	UF	GU0409K198501	METALS	Aluminum	22600	ug/L			5000	ug/L
M-SMA-3	9/27/2004	UF	GU0409K198501	RAD	Gross alpha	36.1	pCi/L			15	pCi/L
M-SMA-4	7/27/2004	UF	GU0408K198701	GENINORG	Magnesium	3.19	mg/L	E		0.0636	mg/L
M-SMA-4	7/27/2004	UF	GU0408K198701	METALS	Aluminum	12500	ug/L			5000	ug/L
M-SMA-4	7/27/2004	UF	GU0408K198701	RAD	Gross alpha	36.6	pCi/L			15	pCi/L
M-SMA-4	8/11/2004	UF	GU0408K198702	GENINORG	Chemical Oxygen Demand	430	mg/L			120	mg/L
M-SMA-4	8/11/2004	UF	GU0408K198702	GENINORG	Magnesium	10.2	mg/L			0.0636	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
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SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
M-SMA-4	8/11/2004	UF	GU0408K198702	METALS	Aluminum	56400	ug/L		J-	5000	ug/L
M-SMA-4	8/11/2004	UF	GU0408K198702	METALS	Lead	165	ug/L	E		126	ug/L
M-SMA-4	8/11/2004	UF	GU0408K198702	RAD	Gross alpha	65	pCi/L			15	pCi/L
M-SMA-4	8/19/2004	UF	GU0408K198703	GENINORG	Magnesium	2.26	mg/L	N	J+	0.0636	mg/L
M-SMA-4	8/19/2004	UF	GU0408K198703	METALS	Aluminum	10100	ug/L			5000	ug/L
M-SMA-4	9/27/2004	UF	GU0409K198701	GENINORG	Magnesium	1.96	mg/L			0.0636	mg/L
M-SMA-4	9/27/2004	UF	GU0409K198701	METALS	Aluminum	6740	ug/L			5000	ug/L
M-SMA-4	10/3/2004	UF	GU0410K198701	GENINORG	Magnesium	1.78	mg/L			0.0636	mg/L
M-SMA-5	7/27/2004	UF	GU04080K19901	GENINORG	Chemical Oxygen Demand	130	mg/L			120	mg/L
M-SMA-5	8/19/2004	UF	GU04080K19903	GENINORG	Chemical Oxygen Demand	127	mg/L			120	mg/L
M-SMA-5	8/19/2004	UF	GU04080K19903	GENINORG	Magnesium	8.24	mg/L	N	J+	0.0636	mg/L
M-SMA-5	8/19/2004	UF	GU04080K19903	METALS	Aluminum	46600	ug/L			5000	ug/L
M-SMA-5	9/27/2004	UF	GU04090K19902	GENINORG	Chemical Oxygen Demand	429	mg/L			120	mg/L
M-SMA-5	9/27/2004	UF	GU04090K19902	GENINORG	Magnesium	6.98	mg/L			0.0636	mg/L
M-SMA-5	9/27/2004	UF	GU04090K19902	METALS	Aluminum	44200	ug/L			5000	ug/L
M-SMA-5	9/27/2004	UF	GU04090K19902	RAD	Gross alpha	202	pCi/L			15	pCi/L
M-SMA-5	10/5/2004	UF	GU04100K19901	GENINORG	Chemical Oxygen Demand	410	mg/L			120	mg/L
M-SMA-5	10/5/2004	UF	GU04100K19901	GENINORG	Cyanide, Amenable	0.00598	mg/L			0.0052	mg/L
M-SMA-5	10/5/2004	UF	GU04100K19901	GENINORG	Magnesium	5.65	mg/L			0.0636	mg/L
M-SMA-5	10/5/2004	UF	GU04100K19901	METALS	Aluminum	34800	ug/L	N		5000	ug/L
M-SMA-5	10/5/2004	UF	GU04100K19901	RAD	Gross alpha	237	pCi/L			15	pCi/L
M-SMA-5	10/11/2004	UF	GU04100K19902	GENINORG	Magnesium	1.91	mg/L			0.0636	mg/L
M-SMA-5	10/11/2004	UF	GU04100K19902	METALS	Aluminum	12600	ug/L	N		5000	ug/L
M-SMA-6	8/11/2004	UF	GU0408K199101	GENINORG	Chemical Oxygen Demand	408	mg/L			120	mg/L
M-SMA-6	8/11/2004	UF	GU0408K199101	GENINORG	Magnesium	9.02	mg/L			0.0636	mg/L
M-SMA-6	8/11/2004	UF	GU0408K199101	METALS	Aluminum	46900	ug/L		J-	5000	ug/L
M-SMA-6	8/11/2004	UF	GU0408K199101	RAD	Gross alpha	49	pCi/L			15	pCi/L
M-SMA-6	8/13/2004	UF	GU0408K199102	GENINORG	Chemical Oxygen Demand	134	mg/L			120	mg/L
M-SMA-6	8/13/2004	UF	GU0408K199102	GENINORG	Magnesium	1.62	mg/L			0.0636	mg/L
M-SMA-6	8/13/2004	UF	GU0408K199102	METALS	Aluminum	7690	ug/L	EN	J+	5000	ug/L
M-SMA-6	8/18/2004	UF	GU0408K199103	GENINORG	Chemical Oxygen Demand	246	mg/L		J-	120	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
M-SMA-6	8/18/2004	UF	GU0408K199103	GENINORG	Magnesium	5.63	mg/L			0.0636	mg/L
M-SMA-6	8/18/2004	UF	GU0408K199103	METALS	Aluminum	31700	ug/L			5000	ug/L
M-SMA-6	8/18/2004	UF	GU0408K199103	RAD	Gross alpha	56	pCi/L		J-	15	pCi/L
M-SMA-6	8/19/2004	UF	GU0408K199104	GENINORG	Chemical Oxygen Demand	231	mg/L			120	mg/L
M-SMA-6	8/19/2004	UF	GU0408K199104	GENINORG	Magnesium	3.85	mg/L	N	J+	0.0636	mg/L
M-SMA-6	8/19/2004	UF	GU0408K199104	METALS	Aluminum	22400	ug/L	N	J+	5000	ug/L
M-SMA-6	8/19/2004	UF	GU0408K199104	RAD	Gross alpha	17.2	pCi/L			15	pCi/L
M-SMA-8	7/27/2004	UF	GU04070E20001	GENINORG	Magnesium	2.76	mg/L			0.0636	mg/L
M-SMA-8	7/27/2004	UF	GU04070E20001	METALS	Aluminum	13300	ug/L			5000	ug/L
M-SMA-8	7/27/2004	UF	GU04070E20001	RAD	Gross alpha	26.8	pCi/L			15	pCi/L
M-SMA-8	8/11/2004	UF	GU04080E20001	GENINORG	Chemical Oxygen Demand	245	mg/L			120	mg/L
M-SMA-8	8/11/2004	UF	GU04080E20001	GENINORG	Magnesium	5.63	mg/L			0.0636	mg/L
M-SMA-8	8/11/2004	UF	GU04080E20001	METALS	Aluminum	31300	ug/L			5000	ug/L
M-SMA-8	8/11/2004	UF	GU04080E20001	RAD	Gross alpha	39.4	pCi/L			15	pCi/L
M-SMA-8	8/18/2004	UF	GU04080E20002	GENINORG	Chemical Oxygen Demand	243	mg/L			120	mg/L
M-SMA-8	8/18/2004	UF	GU04080E20002	GENINORG	Magnesium	7.14	mg/L			0.0636	mg/L
M-SMA-8	8/18/2004	UF	GU04080E20002	METALS	Aluminum	42300	ug/L	E	J-	5000	ug/L
M-SMA-8	8/18/2004	UF	GU04080E20002	RAD	Gross alpha	751	pCi/L			15	pCi/L
M-SMA-8	8/20/2004	UF	GU04080E20003	GENINORG	Magnesium	3.53	mg/L			0.0636	mg/L
M-SMA-8	8/20/2004	UF	GU04080E20003	METALS	Aluminum	14300	ug/L			5000	ug/L
M-SMA-8	8/20/2004	UF	GU04080E20003	RAD	Gross alpha	74	pCi/L			15	pCi/L
M-SMA-9	7/27/2004	UF	GU0408K200101	GENINORG	Chemical Oxygen Demand	149	mg/L			120	mg/L
M-SMA-9	7/27/2004	UF	GU0408K200101	GENINORG	Magnesium	2.33	mg/L			0.0636	mg/L
M-SMA-9	7/27/2004	UF	GU0408K200101	METALS	Aluminum	12000	ug/L			5000	ug/L
M-SMA-9	8/18/2004	UF	GU0408K200102	GENINORG	Magnesium	2.33	mg/L	N	J+	0.0636	mg/L
M-SMA-9	8/18/2004	UF	GU0408K200102	METALS	Aluminum	12800	ug/L			5000	ug/L
M-SMA-9	8/18/2004	UF	GU0408K200102	RAD	Gross alpha	62.5	pCi/L		J-	15	pCi/L
M-SMA-9	9/7/2004	UF	GU0409K200101	GENINORG	Magnesium	9.95	mg/L		J	0.0636	mg/L
M-SMA-9	9/7/2004	UF	GU0409K200101	METALS	Aluminum	57400	ug/L		J	5000	ug/L
M-SMA-9	9/27/2004	UF	GU0409K200102	GENINORG	Chemical Oxygen Demand	184	mg/L			120	mg/L
M-SMA-9	9/27/2004	UF	GU0409K200102	GENINORG	Magnesium	2.02	mg/L			0.0636	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
M-SMA-9	9/27/2004	UF	GU0409K200102	METALS	Aluminum	11700	ug/L			5000	ug/L
M-SMA-9	9/27/2004	UF	GU0409K200102	RAD	Gross alpha	41.4	pCi/L			15	pCi/L
M-SMA-9	10/5/2004	UF	GU0410K200101	RAD	Gross alpha	35.8	pCi/L			15	pCi/L
M-SMA-9	10/11/2004	UF	GU0410K200102	RAD	Gross alpha	18	pCi/L			15	pCi/L
M-SMA-11	7/27/2004	UF	GU0408K200301	GENINORG	Magnesium	0.375	mg/L			0.0636	mg/L
M-SMA-11	8/18/2004	UF	GU0408K200302	GENINORG	Chemical Oxygen Demand	122	mg/L			120	mg/L
M-SMA-11	8/18/2004	UF	GU0408K200302	GENINORG	Magnesium	1.95	mg/L	N	J+	0.0636	mg/L
M-SMA-11	8/18/2004	UF	GU0408K200302	METALS	Aluminum	13200	ug/L			5000	ug/L
M-SMA-11	8/20/2004	UF	GU0408K200303	GENINORG	Chemical Oxygen Demand	205	mg/L			120	mg/L
M-SMA-11	8/20/2004	UF	GU0408K200303	GENINORG	Magnesium	2.13	mg/L			0.0636	mg/L
M-SMA-11	8/20/2004	UF	GU0408K200303	METALS	Aluminum	15600	ug/L	N		5000	ug/L
M-SMA-11	8/20/2004	UF	GU0408K200303	RAD	Gross alpha	96	pCi/L			15	pCi/L
M-SMA-11	9/4/2004	UF	GU0409K200301	GENINORG	Chemical Oxygen Demand	253	mg/L		J	120	mg/L
M-SMA-11	9/4/2004	UF	GU0409K200301	GENINORG	Magnesium	2.32	mg/L		J	0.0636	mg/L
M-SMA-11	9/4/2004	UF	GU0409K200301	METALS	Aluminum	15900	ug/L		J	5000	ug/L
M-SMA-11	9/4/2004	UF	GU0409K200301	RAD	Gross alpha	26.7	pCi/L			15	pCi/L
M-SMA-11	9/27/2004	UF	GU0409K200303	GENINORG	Chemical Oxygen Demand	218	mg/L			120	mg/L
M-SMA-11	9/27/2004	UF	GU0409K200303	GENINORG	Magnesium	0.775	mg/L			0.0636	mg/L
M-SMA-11	9/27/2004	UF	GU0409K200303	RAD	Gross alpha	141	pCi/L			15	pCi/L
M-SMA-11	10/5/2004	UF	GU0410K200302	RAD	Gross alpha	26.2	pCi/L			15	pCi/L
M-SMA-12	10/11/2004	UF	GU0410K200401	GENINORG	Chemical Oxygen Demand	124	mg/L			120	mg/L
M-SMA-12	10/11/2004	UF	GU0410K200401	GENINORG	Magnesium	2.73	mg/L			0.0636	mg/L
M-SMA-12	10/11/2004	UF	GU0410K200401	METALS	Aluminum	15200	ug/L	N		5000	ug/L
M-SMA-13	7/27/2004	UF	GU04080K20501	GENINORG	Magnesium	12	mg/L		J+	0.0636	mg/L
M-SMA-13	7/27/2004	UF	GU04080K20501	METALS	Lead	127	ug/L			126	ug/L
M-SMA-13	8/15/2004	UF	GU04080K20502	GENINORG	Chemical Oxygen Demand	2670	mg/L			120	mg/L
M-SMA-13	8/15/2004	UF	GU04080K20502	GENINORG	Magnesium	11.1	mg/L			0.0636	mg/L
M-SMA-13	8/15/2004	UF	GU04080K20502	METALS	Lead	217	ug/L			126	ug/L
M-SMA-13	8/15/2004	UF	GU04080K20502	RAD	Gross alpha	50.3	pCi/L			15	pCi/L
M-SMA-13	8/19/2004	UF	GU04080K20503	GENINORG	Magnesium	17.9	mg/L	N		0.0636	mg/L
M-SMA-13	8/19/2004	UF	GU04080K20503	METALS	Lead	255	ug/L			126	ug/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
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SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
M-SMA-13	8/19/2004	UF	GU04080K20503	RAD	Gross alpha	604	pCi/L		J-	15	pCi/L
M-SMA-13	8/20/2004	UF	GU04080K20504	GENINORG	Chemical Oxygen Demand	879	mg/L			120	mg/L
M-SMA-13	8/20/2004	UF	GU04080K20504	GENINORG	Magnesium	18.1	mg/L	N	J+	0.0636	mg/L
M-SMA-13	8/20/2004	UF	GU04080K20504	METALS	Lead	159	ug/L			126	ug/L
M-SMA-13	8/20/2004	UF	GU04080K20504	RAD	Gross alpha	84.4	pCi/L			15	pCi/L
M-SMA-13	9/25/2004	UF	GU04090K20501	GENINORG	Chemical Oxygen Demand	237	mg/L			120	mg/L
M-SMA-13	9/25/2004	UF	GU04090K20501	GENINORG	Magnesium	12.5	mg/L			0.0636	mg/L
M-SMA-13	9/25/2004	UF	GU04090K20501	RAD	Gross alpha	119	pCi/L			15	pCi/L
PJ-SMA-15	2/25/2004	UF	GU0402E249501	GENINORG	Magnesium	2.14	mg/L			0.0636	mg/L
PJ-SMA-15	4/2/2004	UF	GU0404E248502	GENINORG	Magnesium	4.93	mg/L			0.0636	mg/L
PJ-SMA-15	4/2/2004	UF	GU0404E248502	METALS	Aluminum	20600	ug/L	E	J	5000	ug/L
PJ-SMA-15	6/25/2004	UF	GU0406E249501	GENINORG	Chemical Oxygen Demand	461	mg/L			120	mg/L
PJ-SMA-15	7/24/2004	UF	GU0407E248501	GENINORG	Magnesium	3.78	mg/L			0.0636	mg/L
PJ-SMA-15	7/24/2004	UF	GU0407E248501	METALS	Aluminum	9340	ug/L			5000	ug/L
PJ-SMA-15	7/27/2004	UF	GU0407E249501	GENINORG	Magnesium	1.22	mg/L			0.0636	mg/L
PJ-SMA-15	8/10/2004	UF	GU0408E249502	GENINORG	Magnesium	3.47	mg/L		J	0.0636	mg/L
PJ-SMA-15	8/10/2004	UF	GU0408E248501	RAD	Gross alpha	132	pCi/L			15	pCi/L
PJ-SMA-15	8/10/2004	UF	GU04080E24901	GENINORG	Chemical Oxygen Demand	387	mg/L		J	120	mg/L
PJ-SMA-15	8/10/2004	UF	GU04080E24901	GENINORG	Magnesium	2.84	mg/L			0.0636	mg/L
PJ-SMA-15	8/10/2004	UF	GU04080E24901	METALS	Aluminum	5150	ug/L			5000	ug/L
PJ-SMA-15	8/11/2004	UF	GU0408E249503	GENINORG	Magnesium	1.83	mg/L			0.0636	mg/L
PJ-SMA-15	8/18/2004	UF	GU0408E249504	GENINORG	Magnesium	1.09	mg/L			0.0636	mg/L
PJ-SMA-15	9/25/2004	UF	GU0409E248501	GENINORG	Magnesium	2.37	mg/L			0.0636	mg/L
PJ-SMA-15	9/25/2004	UF	GU0409E248501	METALS	Aluminum	11700	ug/L	N*	J+	5000	ug/L
Pratt-SMA-1	7/27/2004	UF	GU04082014201	GENINORG	Chemical Oxygen Demand	349	mg/L			120	mg/L
Pratt-SMA-1	7/27/2004	UF	GU04082014201	GENINORG	Magnesium	19.4	mg/L			0.0636	mg/L
Pratt-SMA-1	7/27/2004	UF	GU04082014201	METALS	Aluminum	79300	ug/L			5000	ug/L
Pratt-SMA-1	7/27/2004	UF	GU04082014201	METALS	Vanadium	137	ug/L			100	ug/L
Pratt-SMA-1	7/27/2004	UF	GU04082014201	RAD	Gross alpha	58.9	pCi/L			15	pCi/L
Pratt-SMA-1	8/11/2004	UF	GU04082014202	GENINORG	Magnesium	22.8	mg/L			0.0636	mg/L
Pratt-SMA-1	8/11/2004	UF	GU04082014202	METALS	Aluminum	122000	ug/L		J-	5000	ug/L

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SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
Pratt-SMA-1	8/11/2004	UF	GU04082014202	METALS	Vanadium	150	ug/L			100	ug/L
Pratt-SMA-1	8/18/2004	UF	GU04082014203	GENINORG	Magnesium	24.3	mg/L	N	J+	0.0636	mg/L
Pratt-SMA-1	8/18/2004	UF	GU04082014203	METALS	Aluminum	125000	ug/L			5000	ug/L
Pratt-SMA-1	8/18/2004	UF	GU04082014203	METALS	Arsenic	28.3	ug/L			24.2	ug/L
Pratt-SMA-1	8/18/2004	UF	GU04082014203	METALS	Vanadium	157	ug/L			100	ug/L
Pratt-SMA-1	8/18/2004	UF	GU04082014203	RAD	Gross alpha	142	pCi/L		J-	15	pCi/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	GENINORG	Chemical Oxygen Demand	564	mg/L			120	mg/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	GENINORG	Magnesium	57.6	mg/L			0.0636	mg/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	METALS	Aluminum	277000	ug/L	N		5000	ug/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	METALS	Arsenic	55.7	ug/L			24.2	ug/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	METALS	Lead	262	ug/L	E*		126	ug/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	METALS	Vanadium	315	ug/L			100	ug/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	RAD	Gross alpha	121	pCi/L			15	pCi/L
Pratt-SMA-1	9/4/2004	UF	GU04092014201	GENINORG	Chemical Oxygen Demand	223	mg/L		J	120	mg/L
Pratt-SMA-1	9/4/2004	UF	GU04092014201	PEST/PCB	Aroclor-1254	0.21	ug/L	P	J+	0.0017	ug/L
Pratt-SMA-1	9/4/2004	UF	GU04092014201	RAD	Gross alpha	123	pCi/L			15	pCi/L
Pratt-SMA-1	10/5/2004	UF	GU04102014201	RAD	Gross alpha	67.8	pCi/L			15	pCi/L
Pratt-SMA-1	10/11/2004	UF	GU04102014202	GENINORG	Magnesium	5.16	mg/L			0.0636	mg/L
Pratt-SMA-1	10/11/2004	UF	GU04102014202	METALS	Aluminum	30300	ug/L	N		5000	ug/L
S-SMA-1	2/25/2004	UF	GU0402E122201	GENINORG	Magnesium	9.7	mg/L			0.0636	mg/L
S-SMA-1	4/2/2004	UF	GU0404E122201	GENINORG	Chemical Oxygen Demand	503	mg/L			120	mg/L
S-SMA-1	4/2/2004	UF	GU0404E122201	GENINORG	Magnesium	45.2	mg/L	*	J	0.0636	mg/L
S-SMA-1	4/2/2004	UF	GU0404E122201	METALS	Arsenic	35.7	ug/L			24.2	ug/L
S-SMA-1	4/2/2004	UF	GU0404E122201	METALS	Lead	137	ug/L			126	ug/L
S-SMA-1	7/27/2004	UF	GU0407E122290	GENINORG	Chemical Oxygen Demand	159	mg/L			120	mg/L
S-SMA-1	7/27/2004	UF	GU0407E122201	GENINORG	Chemical Oxygen Demand	135	mg/L			120	mg/L
S-SMA-1	7/27/2004	UF	GU0407E122290	GENINORG	Magnesium	19	mg/L			0.0636	mg/L
S-SMA-1	7/27/2004	UF	GU0407E122201	GENINORG	Magnesium	19.5	mg/L			0.0636	mg/L
S-SMA-1	8/11/2004	UF	GU0408E122201	GENINORG	Chemical Oxygen Demand	255	mg/L			120	mg/L
S-SMA-1	8/11/2004	UF	GU0408E122201	GENINORG	Magnesium	5.92	mg/L			0.0636	mg/L
S-SMA-1	8/18/2004	UF	GU0408E122202	GENINORG	Chemical Oxygen Demand	213	mg/L			120	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
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SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
S-SMA-1	8/18/2004	UF	GU0408E122202	GENINORG	Magnesium	28.4	mg/L			0.0636	mg/L
S-SMA-1	8/18/2004	UF	GU0408E122202	METALS	Lead	129	ug/L		J+	126	ug/L
S-SMA-1	8/20/2004	UF	GU0408E122203	GENINORG	Magnesium	17.7	mg/L		J+	0.0636	mg/L
S-SMA-2	2/25/2004	UF	GU04020E12101	GENINORG	Magnesium	6.72	mg/L			0.0636	mg/L
S-SMA-2	7/27/2004	UF	GU04070E12101	GENINORG	Magnesium	3.46	mg/L			0.0636	mg/L
S-SMA-2	7/27/2004	UF	GU04070E12101	METALS	Aluminum	16900	ug/L		J	5000	ug/L
S-SMA-2	8/11/2004	UF	GU04080E12101	GENINORG	Magnesium	3.24	mg/L			0.0636	mg/L
S-SMA-2	8/11/2004	UF	GU04080E12101	METALS	Aluminum	13900	ug/L			5000	ug/L
S-SMA-2	8/18/2004	UF	GU04080E12102	GENINORG	Magnesium	2.9	mg/L			0.0636	mg/L
S-SMA-2	8/18/2004	UF	GU04080E12102	METALS	Aluminum	6980	ug/L	N*	J+	5000	ug/L
S-SMA-2	8/18/2004	UF	GU04080E12102	RAD	Gross alpha	24.7	pCi/L			15	pCi/L
S-SMA-2	9/27/2004	UF	GU04090E12101	GENINORG	Magnesium	4.96	mg/L			0.0636	mg/L
S-SMA-2	9/27/2004	UF	GU04090E12101	METALS	Aluminum	16000	ug/L	N		5000	ug/L
S-SMA-2	9/27/2004	UF	GU04090E12101	RAD	Gross alpha	32	pCi/L			15	pCi/L
S-SMA-3	7/27/2004	UF	GU0408K122901	GENINORG	Magnesium	28.5	mg/L	E		0.0636	mg/L
S-SMA-3	7/27/2004	UF	GU0408K122901	METALS	Aluminum	150000	ug/L			5000	ug/L
S-SMA-3	7/27/2004	UF	GU0408K122901	METALS	Arsenic	62.2	ug/L			24.2	ug/L
S-SMA-3	7/27/2004	UF	GU0408K122901	METALS	Lead	286	ug/L			126	ug/L
S-SMA-3	7/27/2004	UF	GU0408K122901	METALS	Vanadium	205	ug/L			100	ug/L
S-SMA-3	9/27/2004	UF	GU0409K122901	GENINORG	Chemical Oxygen Demand	248	mg/L			120	mg/L
S-SMA-3	9/27/2004	UF	GU0409K122901	GENINORG	Magnesium	11.5	mg/L			0.0636	mg/L
S-SMA-3	9/27/2004	UF	GU0409K122901	METALS	Aluminum	65800	ug/L			5000	ug/L
S-SMA-4	7/18/2004	UF	GU0408K123801	GENINORG	Magnesium	9.69	mg/L	E		0.0636	mg/L
S-SMA-4	7/18/2004	UF	GU0408K123801	METALS	Aluminum	40600	ug/L			5000	ug/L
S-SMA-4	7/18/2004	UF	GU0408K123801	RAD	Gross alpha	47.1	pCi/L			15	pCi/L
S-SMA-4	8/6/2004	UF	GU0408K123802	GENINORG	Magnesium	4.99	mg/L	N	J+	0.0636	mg/L
S-SMA-4	8/6/2004	UF	GU0408K123802	METALS	Aluminum	22300	ug/L			5000	ug/L
S-SMA-4	8/6/2004	UF	GU0408K123802	RAD	Gross alpha	31.4	pCi/L			15	pCi/L
S-SMA-4	8/10/2004	UF	GU0408K123803	GENINORG	Chemical Oxygen Demand	193	mg/L		J	120	mg/L
S-SMA-4	8/10/2004	UF	GU0408K123803	GENINORG	Magnesium	8.21	mg/L			0.0636	mg/L
S-SMA-4	8/10/2004	UF	GU0408K123803	METALS	Aluminum	25700	ug/L			5000	ug/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
S-SMA-4	8/11/2004	UF	GU0408K123804	GENINORG	Magnesium	4.16	mg/L			0.0636	mg/L
S-SMA-4	8/11/2004	UF	GU0408K123804	METALS	Aluminum	7350	ug/L		J-	5000	ug/L
S-SMA-4	8/15/2004	UF	GU0408K123805	RAD	Gross alpha	144	pCi/L			15	pCi/L
S-SMA-5	7/27/2004	UF	GU0408K124501	GENINORG	Magnesium	13.4	mg/L	E		0.0636	mg/L
S-SMA-5	7/27/2004	UF	GU0408K124501	METALS	Aluminum	65900	ug/L			5000	ug/L
S-SMA-5	7/27/2004	UF	GU0408K124501	METALS	Lead	216	ug/L			126	ug/L
S-SMA-5	7/27/2004	UF	GU0408K124501	METALS	Silver	14	ug/L			4.1	ug/L
S-SMA-5	7/27/2004	UF	GU0408K124501	PEST/PCB	Aroclor-1260	0.21	ug/L		J	0.0017	ug/L
S-SMA-6	7/24/2004	UF	GU0408K124801	METALS	Mercury	1.8	ug/L			0.77	ug/L
S-SMA-6	8/15/2004	UF	GU0408K124802	GENINORG	Chemical Oxygen Demand	2980	mg/L			120	mg/L
S-SMA-6	8/15/2004	UF	GU0408K124802	GENINORG	Magnesium	9.39	mg/L			0.0636	mg/L
S-SMA-6	8/15/2004	UF	GU0408K124802	METALS	Arsenic	28.9	ug/L			24.2	ug/L
S-SMA-6	8/15/2004	UF	GU0408K124802	METALS	Lead	1450	ug/L			126	ug/L
S-SMA-6	8/15/2004	UF	GU0408K124802	METALS	Mercury	1.6	ug/L			0.77	ug/L
S-SMA-6	8/15/2004	UF	GU0408K124802	METALS	Silver	18.3	ug/L			4.1	ug/L
S-SMA-6	8/15/2004	UF	GU0408K124802	RAD	Gross alpha	253	pCi/L			15	pCi/L
T-SMA-1	4/2/2004	UF	GU0404E201302	GENINORG	Magnesium	0.935	mg/L			0.0636	mg/L
T-SMA-1	4/5/2004	UF	GU0404E201303	GENINORG	Magnesium	0.744	mg/L	*	J	0.0636	mg/L
T-SMA-1	7/23/2004	UF	GU0407E201301	GENINORG	Chemical Oxygen Demand	171	mg/L			120	mg/L
T-SMA-1	7/23/2004	UF	GU0407E201301	GENINORG	Magnesium	9.85	mg/L			0.0636	mg/L
T-SMA-1	7/23/2004	UF	GU0407E201301	METALS	Aluminum	65100	ug/L			5000	ug/L
T-SMA-1	10/6/2004	UF	GU0410E201301	GENINORG	Magnesium	0.824	mg/L			0.0636	mg/L
T-SMA-3	7/27/2004	UF	GU04082013401	GENINORG	Chemical Oxygen Demand	336	mg/L			120	mg/L
T-SMA-3	7/27/2004	UF	GU04082013401	GENINORG	Magnesium	6.12	mg/L			0.0636	mg/L
T-SMA-3	7/27/2004	UF	GU04082013401	METALS	Aluminum	29900	ug/L			5000	ug/L
T-SMA-3	7/27/2004	UF	GU04082013401	RAD	Gross alpha	43	pCi/L			15	pCi/L
T-SMA-3	8/11/2004	UF	GU04082013402	GENINORG	Chemical Oxygen Demand	164	mg/L			120	mg/L
T-SMA-3	8/11/2004	UF	GU04082013402	GENINORG	Magnesium	3.6	mg/L			0.0636	mg/L
T-SMA-3	8/11/2004	UF	GU04082013402	METALS	Aluminum	18200	ug/L		J-	5000	ug/L
T-SMA-3	8/11/2004	UF	GU04082013402	RAD	Gross alpha	27.5	pCi/L			15	pCi/L
T-SMA-3	8/15/2004	UF	GU04082013403	GENINORG	Chemical Oxygen Demand	155	mg/L			120	mg/L

Table 5. Site-Specific Storm Water Runoff Monitoring - 2004
Analytical Results greater than wSAL - Detail

SMA ID	Sample Date	F/UF	Sample ID	Suite	Detected Results > wSAL					wSAL	
					Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
T-SMA-3	8/15/2004	UF	GU04082013403	GENINORG	Magnesium	2.68	mg/L			0.0636	mg/L
T-SMA-3	8/15/2004	UF	GU04082013403	METALS	Aluminum	12600	ug/L	EN	J+	5000	ug/L
T-SMA-3	8/15/2004	UF	GU04082013403	RAD	Gross alpha	24.5	pCi/L			15	pCi/L
T-SMA-3	8/18/2004	UF	GU04082013404	GENINORG	Magnesium	6.59	mg/L	N	J+	0.0636	mg/L
T-SMA-3	8/18/2004	UF	GU04082013404	METALS	Aluminum	39400	ug/L			5000	ug/L
T-SMA-3	8/18/2004	UF	GU04082013404	METALS	Silver	4.3	ug/L			4.1	ug/L
T-SMA-3	8/18/2004	UF	GU04082013404	RAD	Gross alpha	115	pCi/L		J-	15	pCi/L
T-SMA-3	8/20/2004	UF	GU04082013405	GENINORG	Chemical Oxygen Demand	140	mg/L			120	mg/L
T-SMA-3	8/20/2004	UF	GU04082013405	GENINORG	Magnesium	3.65	mg/L	N	J+	0.0636	mg/L
T-SMA-3	8/20/2004	UF	GU04082013405	METALS	Aluminum	20500	ug/L	N	J+	5000	ug/L
T-SMA-3	8/20/2004	UF	GU04082013405	RAD	Gross alpha	56.3	pCi/L			15	pCi/L
T-SMA-4	7/27/2004	UF	GU04082013601	GENINORG	Chemical Oxygen Demand	158	mg/L			120	mg/L
T-SMA-4	7/27/2004	UF	GU04082013601	GENINORG	Magnesium	2.76	mg/L			0.0636	mg/L
T-SMA-4	7/27/2004	UF	GU04082013601	METALS	Aluminum	15600	ug/L			5000	ug/L
T-SMA-4	7/27/2004	UF	GU04082013601	RAD	Gross alpha	19.3	pCi/L			15	pCi/L
T-SMA-4	10/5/2004	UF	GU04102013601	GENINORG	Magnesium	2.32	mg/L			0.0636	mg/L
T-SMA-4	10/5/2004	UF	GU04102013601	METALS	Aluminum	12700	ug/L	N		5000	ug/L
T-SMA-4	10/5/2004	UF	GU04102013601	RAD	Gross alpha	15.5	pCi/L			15	pCi/L
T-SMA-4	10/11/2004	UF	GU04102013602	GENINORG	Magnesium	2.16	mg/L			0.0636	mg/L
T-SMA-4	10/11/2004	UF	GU04102013602	METALS	Aluminum	11200	ug/L	N		5000	ug/L
T-SMA-5	7/27/2004	UF	GU0408K201301	GENINORG	Chemical Oxygen Demand	533	mg/L			120	mg/L
T-SMA-5	7/27/2004	UF	GU0408K201301	GENINORG	Magnesium	8.61	mg/L			0.0636	mg/L
T-SMA-5	7/27/2004	UF	GU0408K201301	METALS	Aluminum	51400	ug/L			5000	ug/L
T-SMA-5	9/4/2004	UF	GU0409K201301	RAD	Gross alpha	32.4	pCi/L			15	pCi/L
T-SMA-5	10/11/2004	UF	GU0410K201301	GENINORG	Chemical Oxygen Demand	296	mg/L			120	mg/L
T-SMA-5	10/11/2004	UF	GU0410K201301	GENINORG	Magnesium	6.32	mg/L			0.0636	mg/L
T-SMA-5	10/11/2004	UF	GU0410K201301	METALS	Aluminum	35500	ug/L	N		5000	ug/L
T-SMA-5	10/11/2004	UF	GU0410K201301	RAD	Gross alpha	32	pCi/L			15	pCi/L

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101				0.341						
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101	<	0.819				116			<	1.67
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101	<	0.819				16900			<	3.6
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101	<	0.819				313			<	1.67
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101	<	0.819				297			<	1.67
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101	<	0.819				13900			<	1.67
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101	<	0.819				11900			<	1.87
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102	<	0.819				477			<	2.7
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102	<	0.819	<	0.23		731			<	1.67
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102	<	0.819				6980			<	1.67
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102	<	0.819		0.389		7210			<	3.1
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101	<	0.819				5590			<	1.67
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101	<	0.819				5760				3.05
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		1.3				16000				2.5
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101	<	0.819				15800			<	1.67
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201			<	0.23						
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201				0.73						
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290			<	0.39						
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201			<	0.4						
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201			<	0.23						
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202			<	0.57						
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203			<	0.3						
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001	<	0.819				1720			<	1.67
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001	<	0.819				13300			<	2.8

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001	<	0.819				862			<	1.67
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001	<	0.819				31300				5.7
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002	<	0.819				1280			<	4
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002	<	0.819				1160			<	3.74
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002	<	0.819				42300			<	17.4
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003	<	0.819				1340			<	3.3
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003	<	0.819				14300			<	6.4
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302	<	0.819				3140				23.7
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303			<	0.23						
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301	<	0.819				1090				4.27
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301		0.932				1050				1.72
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301	<	0.82				1260				5.94
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301	<	0.82				65100				18.9
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301	<	0.819				953			<	9.2
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301	<	0.819				892				9.04
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301	<	0.92				1370			<	6.1
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301	<	0.819				2380				6.55
E227	MDA G-13	WT		F	CS	GF04080E22701	<	0.819				361			<	2.9
E227	MDA G-13	WT		F	DUP	GF04080E22701	<	0.819	<	0.23		370			<	2
E227	MDA G-13	WT		UF	CS	GU04080E22701	<	0.819				79300				22.4
E227	MDA G-13	WT		UF	DUP	GU04080E22701	<	0.819		2.39		77700				20
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502		1.81				20600				6
E248.5	MDA G-6U	WT		F	CS	GF0407E248501	<	0.82				224			<	4.65
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501	<	0.82				9340			<	2.94

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0409E248501	<	0.819				475				3.8
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501	<	0.819				607			<	1.67
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501	<	0.819				11700			<	1.67
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501	<	0.819				11400				1.67
E248.5	MDA G-6U	WT		F	CS	GF0410E248501	<	0.819				254			<	3.1
E249	MDA G-4	WT		F	CS	GF04080E24901	<	0.819				422			<	1.67
E249	MDA G-4	WT		UF	CS	GU04080E24901	<	0.819				5150			<	1.67
E249.5	MDA G-7	WT		UF	CS	GU0402E249501			<	0.23						
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501			<	0.23				5650		
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501			<	0.23						
E249.5	MDA G-7	WT		UF	CS	GU0408E249502			<	0.23						
E249.5	MDA G-7	WT		UF	CS	GU0408E249503			<	0.23						
E249.5	MDA G-7	WT		UF	CS	GU0408E249504			<	0.23						
E249.5	MDA G-7	WT		UF	CS	GU0408E249505										
E249.5	MDA G-7	WT		UF	CS	GU0409E249501										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501			<	0.23		172			<	1.7
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501			<	0.38		97200				35.2
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401			<	0.23		3260			<	4.8
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401			<	0.23		3210				5.46
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401			<	0.73		150000				34.9
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402			<	0.23		546			<	1.67
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402			<	0.23		573			<	1.67
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402				1.1		253000				50.1
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403			<	0.23		837			<	4.3
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403			<	0.58		116000				26.6
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403			<	0.545		110000				28.1
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401			<	0.23		1850			<	5
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401				0.46		142000				27.5
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501			<	0.23		124			<	2.8
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501			<	0.23		4170			<	1.67
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502			<	0.23		267			<	1.67
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502			<	0.23		4710			<	1.67

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503			<	0.23		345			<	1.67
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503			<	0.31		11900			<	3.9
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503			<	0.27						
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504			<	0.23		252			<	1.67
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504			<	0.23		12400			<	1.67
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601			<	0.23		219			<	1.67
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601			<	0.73		23300				6.9
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602			<	0.23		156			<	1.67
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602				0.23		7070			<	1.67
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601			<	0.23		147			<	1.67
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601				0.4		6080			<	1.67
SS0266	LA-SMA-3	WT		UF	DUP	GU0409K026601										
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601			<	0.23		153			<	1.67
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601				0.24		11600				1.9
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701			<	0.23		248			<	1.67
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701			<	0.23		39400				9.5
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701			<	0.23		45700				9.88
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702			<	0.23		236			<	1.67
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702			<	0.33		79300				12.5
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703			<	0.23		284			<	1.67
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703			<	0.34		49800				13.2
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701			<	0.23		202			<	4.3
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701						205				3.05
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701			<	0.23		27300			<	8.8
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801			<	0.23		1510			<	1.67
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801			<	0.96		80800				17.9
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801						92300				21.3
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901			<	0.23		2010			<	3.8
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901			<	0.63		57800				17.7
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901			<	0.23		890				1.8
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901			<	0.23		951			<	1.67
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901				1.7		104000				27.4
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901				1.66		91600				20.9

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701			<	0.23						
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501			<	0.68						
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502			<	0.49						
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501				0.27						
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502			<	0.23						
SS067	B-SMA-1	WT		F	CS	GF04080K06701			<	0.23		2660			<	2.5
SS067	B-SMA-1	WT		UF	CS	GU04080K06701			<	0.47		42700				10.7
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701			<	0.465						
SS067	B-SMA-1	WT		F	CS	GF04080K06702			<	0.23		1320			<	1.67
SS067	B-SMA-1	WT		F	DUP	GF04080K06702			<	0.23						
SS067	B-SMA-1	WT		UF	CS	GU04080K06702			<	0.85		97000				25.2
SS067	B-SMA-1	WT		UF	DUP	GU04080K06702			<	0.867						
SS067	B-SMA-1	WT		F	CS	GF04080K06703			<	0.23		4170			<	1.67
SS067	B-SMA-1	WT		UF	CS	GU04080K06703			<	0.23		2250			<	2.5
SS067	B-SMA-1	WT		F	CS	GF04080K06704			<	0.23		497			<	1.67
SS067	B-SMA-1	WT		UF	CS	GU04080K06704			<	0.97		94100				21.2
SS067	B-SMA-1	WT		F	CS	GF04080K06705			<	0.23		1530			<	1.67
SS067	B-SMA-1	WT		UF	CS	GU04080K06705				1.1		140000				34.9
SS12292	S-SMA-3	WT		F	CS	GF0408K122901			<	0.23		1200			<	1.67
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901				3.2		150000				62.2
SS12292	S-SMA-3	WT		F	CS	GF0409K122901			<	0.23		876			<	1.67
SS12292	S-SMA-3	WT		F	DUP	GF0409K122901			<	0.23						
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901				0.48		65800				18.6
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901				0.546						
SS1238	S-SMA-4	WT		F	CS	GF0408K123801			<	0.23	<	15.1			<	2.3
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801	<	0.819	<	0.23	<	14.4			<	1.67
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801				1.4		40600				15.1
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										
SS1238	S-SMA-4	WT		F	CS	GF0408K123802			<	0.23		272			<	1.67
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802			<	0.86		22300			<	8.1
SS1238	S-SMA-4	WT		F	CS	GF0408K123803			<	0.23		115			<	2.3
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803			<	0.65		25700			<	6.4
SS1238	S-SMA-4	WT		F	CS	GF0408K123804			<	0.23	<	64.8			<	1.67

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804			<	0.23		7350			<	1.67
SS1245	S-SMA-5	WT		F	CS	GF0408K124501			<	0.23		2640			<	1.67
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501				14		65900				17.9
SS1248	S-SMA-6	WT		UF	CS	GU0408K124801										
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802				18.3						
SS198	M-SMA-1	WT		F	CS	GF04080K19801			<	0.23	<	65.7			<	3.7
SS198	M-SMA-1	WT		UF	CS	GU04080K19801			<	0.23		18900			<	4.9
SS198	M-SMA-1	WT		F	CS	GF04080K19802			<	0.23	<	66.2			<	2.7
SS198	M-SMA-1	WT		UF	CS	GU04080K19802			<	0.23		9180			<	5.5
SS198	M-SMA-1	WT		F	CS	GF04080K19803			<	0.23		438			<	1.67
SS198	M-SMA-1	WT		F	DUP	GF04080K19803	<	0.819	<	0.23		371			<	1.67
SS198	M-SMA-1	WT		UF	CS	GU04080K19803			<	0.23		5270			<	1.67
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803	<	0.819	<	0.23		5490			<	1.67
SS198	M-SMA-1	WT		F	CS	GF04090K19801			<	0.23		70.4			<	1.8
SS198	M-SMA-1	WT		UF	CS	GU04090K19801			<	0.23		4070			<	2
SS1984	M-SMA-2	WT		F	CS	GF0408K198401			<	0.23		2400			<	1.67
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401			<	0.41		87000				20.5
SS1984	M-SMA-2	WT		F	CS	GF0408K198402			<	0.23		1360			<	1.67
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402			<	0.23		37100				7.7
SS1985	M-SMA-3	WT		F	CS	GF0408K198501			<	0.23		675			<	1.67
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501			<	0.26		40400				8.8
SS1985	M-SMA-3	WT		F	CS	GF0408K198502			<	0.23		663			<	1.67
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502			<	0.23		34600				11.7
SS1985	M-SMA-3	WT		F	CS	GF0409K198501			<	0.23		619			<	1.67
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501			<	0.23		22600				6.3
SS1987	M-SMA-4	WT		F	CS	GF0408K198701			<	0.23		1870			<	3.5
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701			<	0.23		12500				6.1
SS1987	M-SMA-4	WT		F	CS	GF0408K198702			<	0.23		1720			<	1.67
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702			<	0.23		1760			<	1.67
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702			<	0.31		56400			<	13.9
SS1987	M-SMA-4	WT		F	CS	GF0408K198703			<	0.23		2110			<	3.8
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703			<	0.23		2100				
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703			<	0.23		10100			<	7

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		F	CS	GF0409K198701			<	0.23		1370			<	1.67
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701			<	0.23		1280			<	1.67
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701			<	0.23		6740				3.3
SS1987	M-SMA-4	WT		F	CS	GF0410K198701			<	0.23		3720			<	2.1
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701			<	0.23		3950			<	1.67
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701			<	0.23		4710			<	1.67
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701			<	0.23		4880				4.7
SS199	M-SMA-5	WT		F	CS	GF04080K19901			<	0.23		288			<	1.8
SS199	M-SMA-5	WT		UF	CS	GU04080K19902										
SS199	M-SMA-5	WT		F	CS	GF04080K19902			<	0.23		960			<	4.6
SS199	M-SMA-5	WT		UF	CS	GU04080K19903				2.9		46600				23.7
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903				3.04		47600				
SS199	M-SMA-5	WT		F	CS	GF04090K19901			<	0.23		881			<	1.8
SS199	M-SMA-5	WT		UF	CS	GU04090K19902				2.5		44200				14.2
SS199	M-SMA-5	WT		F	CS	GF04100K19901			<	0.23		670			<	1.67
SS199	M-SMA-5	WT		F	DUP	GF04100K19901						681			<	1.67
SS199	M-SMA-5	WT		UF	CS	GU04100K19901				2.9		34800				12.6
SS199	M-SMA-5	WT		UF	CS	GU04100K19902			<	0.81		12600			<	2.6
SS1991	M-SMA-6	WT		F	CS	GF0408K199101			<	0.23		548			<	2.7
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101			<	0.23		46900				14.5
SS1991	M-SMA-6	WT		F	CS	GF0408K199102			<	0.23		977			<	1.67
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102			<	0.23		907			<	1.67
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102			<	0.23		7690			<	1.67
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102			<	0.23		7960				3.45
SS1991	M-SMA-6	WT		F	CS	GF0408K199103			<	0.23		1150			<	3.5
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103			<	0.23		1110			<	1.67
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103			<	0.23		31700			<	12.4
SS1991	M-SMA-6	WT		F	CS	GF0408K199104			<	0.23		1620				2
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104			<	0.23		22400				6.1
SS2001	M-SMA-9	WT		F	CS	GF0408K200101			<	0.23		848			<	1.67
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101			<	0.23		12000			<	3.6
SS2001	M-SMA-9	WT		F	CS	GF0408K200102			<	0.23		534			<	2.6
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102			<	0.23		12800			<	6.2

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		F	CS	GF0409K200101			<	0.23		1440			<	2.5
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101			<	0.23		57400				15.9
SS2001	M-SMA-9	WT		F	CS	GF0409K200102			<	0.23		347			<	2.5
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102			<	0.23		11700			<	1.67
SS2003	M-SMA-11	WT		F	CS	GF0408K200301			<	0.23		124			<	1.67
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301			<	0.23		917			<	1.67
SS2003	M-SMA-11	WT		F	CS	GF0408K200302			<	0.23		158			<	1.67
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302			<	0.23		13200			<	6.5
SS2003	M-SMA-11	WT		F	CS	GF0408K200303			<	0.23		239			<	2
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303			<	0.23		15600			<	6.7
SS2003	M-SMA-11	WT		F	CS	GF0409K200301			<	0.23		169			<	3.7
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301			<	0.23		15900			<	3.4
SS2003	M-SMA-11	WT		F	CS	GF0409K200302			<	0.23		424			<	1.67
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302						423				1.96
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303			<	0.23		4530			<	1.67
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303						4480				2.95
SS2004	M-SMA-12	WT		F	CS	GF0410K200401			<	0.23		3750			<	3.4
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401			<	0.23		3830			<	1.67
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401			<	0.23		15200			<	4.6
SS20134	T-SMA-3	WT		F	CS	GF04082013401			<	0.23		433			<	2.1
SS20134	T-SMA-3	WT		UF	CS	GU04082013401				3.9		29900				9.7
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401				3.83		28800				8.94
SS20134	T-SMA-3	WT		F	CS	GF04082013402			<	0.23		286			<	1.67
SS20134	T-SMA-3	WT		UF	CS	GU04082013402				2		18200			<	5.9
SS20134	T-SMA-3	WT		F	CS	GF04082013403			<	0.23		285			<	3.1
SS20134	T-SMA-3	WT		UF	CS	GU04082013403				1.5		12600			<	3.8
SS20134	T-SMA-3	WT		F	CS	GF04082013404			<	0.23		959			<	3.4
SS20134	T-SMA-3	WT		UF	CS	GU04082013404				4.3		39400			<	14.1
SS20134	T-SMA-3	WT		F	CS	GF04082013405			<	0.23		361			<	1.67
SS20134	T-SMA-3	WT		UF	CS	GU04082013405				2		20500			<	1.67
SS20136	T-SMA-4	WT		F	CS	GF04082013601			<	0.23		2130			<	1.67
SS20136	T-SMA-4	WT		UF	CS	GU04082013601			<	0.23		15600			<	3.5
SS20136	T-SMA-4	WT		F	CS	GF04102013601			<	0.23		376			<	1.67

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	DUP	GF04102013601			<	0.23						
SS20136	T-SMA-4	WT		UF	CS	GU04102013601			<	0.23		12700			<	1.67
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601						12500			<	1.67
SS20136	T-SMA-4	WT		F	CS	GF04102013602			<	0.23		2880			<	1.67
SS20136	T-SMA-4	WT		UF	CS	GU04102013602			<	0.23		11200			<	2.4
SS20138	T-SMA-5	WT		F	CS	GF0408K201301			<	0.23		1210			<	1.67
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301			<	0.55		51400				10.5
SS20138	T-SMA-5	WT		F	CS	GF0410K201301			<	0.23		1130			<	1.67
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301			<	0.26		35500			<	4
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201			<	0.23		1670			<	3.5
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201			<	0.23		1690			<	3.44
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201			<	0.23		79300				21.2
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202			<	0.23		3730			<	2.1
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202			<	0.59		122000				22.4
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202			<	0.599		133000				22.4
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203			<	0.23		1110			<	2.8
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203			<	0.51		125000				28.3
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204			<	0.23		7540			<	3.8
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204			<	0.23		7880			<	4.7
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204				1.2		277000				55.7
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204				1.55		321000				61.7
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201										
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201			<	0.23		3310			<	1.67
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202			<	0.23		30300			<	1.67
SS205	M-SMA-13	WT		UF	CS	GU04080K20501			<	0.55						
SS205	M-SMA-13	WT		UF	CS	GU04080K20502			<	0.97						
SS205	M-SMA-13	WT		UF	CS	GU04080K20503			<	0.93						
SS205	M-SMA-13	WT		UF	CS	GU04080K20504				0.24						
SS205	M-SMA-13	WT		UF	CS	GU04090K20501				0.44						
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501				0.401		90600				14.7
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501			<	0.23		236			<	1.67
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501				1.1		21400				5.3
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502			<	0.23		896			<	4.5

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Ag		Ag		Al		Al		As	
						Anyl Meth Code	EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502				1.2		27900				10
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501			<	0.23		702				2.7
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501				1.2		17300				5.1
SS2185	CDB-SMA-1	WT		UF	DUP	GU0410K218501				1.03						
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502			<	0.24		4860			<	1.9
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502				1.1		26200				6.5
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801			<	0.25		245			<	1.67
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801				8.3		26200				8
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801			<	0.23	<	50			<	1.9
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801				1.9		10400			<	1.67
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801				1.88		11300				2.01

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101	<	1.83					<	0.07		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101				14.5	<	0.172	<	0.07	<	0.762
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101				126	<	0.83	<	0.5	<	3.8
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101				11	<	0.22	<	0.083	<	1.7
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101				10.7	<	0.172	<	0.07	<	2.94
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101				134	<	0.69	<	0.56	<	4.5
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101				125	<	0.626	<	0.561	<	4.28
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102				11.7	<	0.172	<	0.07	<	2.9
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102		3.4		11.9	<	0.172	<	0.07	<	2.23
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102				74.4	<	0.52	<	0.43	<	2.1
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		6.15		76	<	0.46	<	0.469	<	2.03
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101				56.1	<	0.46	<	0.07	<	0.762
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101				56.2		0.356	<	0.07		0.794
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101				126	<	1.1		0.37		2.5
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101				125		1.03		0.348		2.14
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201		6.32						1.1		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201		35.7						4.74		
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290		19.2						2.1		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201		20.2						2.1		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201		3.2					<	0.79		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202		23.9						3.5		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203		11.4						1.6		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001				20.8	<	0.2	<	0.07	<	5
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001				96.5	<	1.2	<	0.47	<	3.1

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001							<	0.437		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001				18.7	<	0.172	<	0.07	<	2.6
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001				284	<	2.7	<	0.88		6.7
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002				16.2	<	0.25	<	0.07	<	3.2
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002				15.1	<	0.172	<	0.07	<	2.2
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002				429	<	4.4		1.3		11.1
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003				20.3	<	0.172	<	0.07	<	2.4
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003				131	<	1.1	<	0.47	<	2.4
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302				53		0.302		0.443	<	0.762
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303		12.5						0.788		
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301				20.7	<	0.172	<	0.07	<	0.762
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301				19.4	<	0.172			<	0.762
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301				16.5	<	0.17	<	0.07	<	0.76
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301				835		5.53		2.94		20.6
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301				32.7	<	0.26		0.22		3.1
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301				31.9	<	0.172		0.13		2.96
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301				38.4	<	0.172		0.17	<	0.762
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301				40.7	<	0.172		0.157	<	0.762
E227	MDA G-13	WT		F	CS	GF04080E22701				29.7	<	0.172	<	0.087		5.4
E227	MDA G-13	WT		F	DUP	GF04080E22701	<	1.51		29.4	<	0.172	<	0.07	<	4.18
E227	MDA G-13	WT		UF	CS	GU04080E22701				629		6.3		3.2		18.5
E227	MDA G-13	WT		UF	DUP	GU04080E22701		13.4		656		6.46		3.5		18.9
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502				164		1.51		0.781		4.24
E248.5	MDA G-6U	WT		F	CS	GF0407E248501				22.7	<	0.17	<	0.07	<	0.76
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501				75.4	<	0.421	<	0.335	<	0.845

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0409E248501				9.4	<	0.172		0.22	<	2.3
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501				9.74	<	0.172		0.178		3.16
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501				90.9	<	0.71		0.61	<	2
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501				88.9		0.602		0.547		1.69
E248.5	MDA G-6U	WT		F	CS	GF0410E248501				15.4	<	0.33	<	0.07	<	1.8
E249	MDA G-4	WT		F	CS	GF04080E24901				19.9	<	0.172	<	0.072	<	0.762
E249	MDA G-4	WT		UF	CS	GU04080E24901				169	<	1.4		1.2	<	3.7
E249.5	MDA G-7	WT		UF	CS	GU0402E249501	<	0.887						0.231		
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501		0.644						0.229		
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501		4.2					<	0.46		
E249.5	MDA G-7	WT		UF	CS	GU0408E249502		5						1.3		
E249.5	MDA G-7	WT		UF	CS	GU0408E249503	<	3.2					<	0.61		
E249.5	MDA G-7	WT		UF	CS	GU0408E249504	<	4.1					<	0.49		
E249.5	MDA G-7	WT		UF	CS	GU0408E249505										
E249.5	MDA G-7	WT		UF	CS	GU0409E249501										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501				53.3	<	0.172	<	0.07	<	5
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501				2630		16.3		3.1		77.7
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401				37.3	<	0.21	<	0.092	<	1.8
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401				36.3	<	0.172	<	0.07	<	1.78
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401				2030		11.4		4.2		64.4
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402				24.6	<	0.172	<	0.07	<	2.1
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402				24.2	<	0.172	<	0.07	<	2.11
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402				4180		27.1		10.2		148
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403				36.4	<	0.172	<	0.07	<	0.762
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403				1430		8.6		3.2		40.5
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403				1400		8.31		3.02		39.9
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401				39.1		0.23	<	0.07	<	2.4
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401				1740		10.8		2.8		59.6
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501				16.6	<	0.172	<	0.07	<	2.3
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501				53.9	<	0.24	<	0.21	<	1.9
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502				16.7	<	0.172	<	0.07	<	1.9
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502				64	<	0.32	<	0.32	<	1.1

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503				12.3	<	0.172	<	0.07	<	1.8
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503				122	<	0.82	<	0.66	<	2.3
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503							<	0.597		
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504				21.8	<	0.172	<	0.07		1.6
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504				135		0.86		0.56		2.4
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601				7.7	<	0.172	<	0.07	<	3.1
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601				292	<	3.2		2		6.6
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602				19.5	<	0.172	<	0.07	<	0.762
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602				72.7		0.45		0.4		0.77
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601				16.4	<	0.22	<	0.07	<	2.2
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601				109	<	0.61		0.64		5.1
SS0266	LA-SMA-3	WT		UF	DUP	GU0409K026601										
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601				19.9	<	0.172	<	0.07		1.8
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601				111		0.83		0.39		3.3
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701				18.2	<	0.172	<	0.07	<	3
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701				364		5.3		1.6		8.6
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701				391		5.76		1.6		8.71
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702				12.3	<	0.172	<	0.07	<	1.4
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702				769		13.4		3.4		18.2
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703				9.3	<	0.172	<	0.07	<	1.2
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703				883		26.3		4.4		17.1
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701				9.2		0.26	<	0.07	<	2.4
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701				9.33	<	0.172				2.48
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701				266		4.4		1.5		6.8
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801				21.9	<	0.172	<	0.071	<	3
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801				1290		8.4		3.9		40.9
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801				1360		8.86				43.1
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901				49.1	<	0.23	<	0.21		16.6
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901				677		8.5		4		17.4
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901				33.2	<	0.57		0.21	<	3.7
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901				32.9		0.434		0.2		3.65
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901				978		30.5		10.2		20.1
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901				921		28.6		9.53		18.2

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701		1.8						0.42		
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		20.7						2.6		
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		18.4						1.7		
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501		8.7						0.91		
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502		5.7					<	0.45		
SS067	B-SMA-1	WT		F	CS	GF04080K06701				44.1	<	0.172	<	0.09		20.5
SS067	B-SMA-1	WT		UF	CS	GU04080K06701				411	<	3.3		1.1		12.9
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701		11.2						1.06		
SS067	B-SMA-1	WT		F	CS	GF04080K06702				21.7	<	0.19	<	0.12	<	2.6
SS067	B-SMA-1	WT		F	DUP	GF04080K06702										
SS067	B-SMA-1	WT		UF	CS	GU04080K06702				906		7.3		2.4		30.8
SS067	B-SMA-1	WT		UF	DUP	GU04080K06702										
SS067	B-SMA-1	WT		F	CS	GF04080K06703				27.5	<	0.22	<	0.11	<	0.762
SS067	B-SMA-1	WT		UF	CS	GU04080K06703				26	<	0.172	<	0.1	<	0.762
SS067	B-SMA-1	WT		F	CS	GF04080K06704				21.2	<	0.172	<	0.07	<	0.762
SS067	B-SMA-1	WT		UF	CS	GU04080K06704				952		6.9		1.9		28.5
SS067	B-SMA-1	WT		F	CS	GF04080K06705				29.7		0.23		0.14		2
SS067	B-SMA-1	WT		UF	CS	GU04080K06705				1400		10.2		2.8		46.4
SS12292	S-SMA-3	WT		F	CS	GF0408K122901				34.4	<	0.172	<	0.07	<	0.762
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901				1160		15.6		5.6		34.2
SS12292	S-SMA-3	WT		F	CS	GF0409K122901				13.5	<	0.172		0.081		3.8
SS12292	S-SMA-3	WT		F	DUP	GF0409K122901							<	0.07		
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901				530		5.3		1.6		15.2
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901								1.73		
SS1238	S-SMA-4	WT		F	CS	GF0408K123801				35.7	<	0.172	<	0.07	<	3.8
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801	<	2.69		36.8	<	0.172	<	0.07		3.87
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801				417	<	4.8		3		12
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										
SS1238	S-SMA-4	WT		F	CS	GF0408K123802				28.2	<	0.2	<	0.083	<	0.762
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802				215	<	2.1		1.7		5.6
SS1238	S-SMA-4	WT		F	CS	GF0408K123803				27	<	0.172	<	0.07		5.5
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803				407	<	4		2.6		10.9
SS1238	S-SMA-4	WT		F	CS	GF0408K123804				24.8	<	0.172	<	0.07	<	3.2

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804				86.7	<	0.7	<	0.36	<	2.5
SS1245	S-SMA-5	WT		F	CS	GF0408K124501				42.7	<	0.23	<	0.07		14.3
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501				854		9.9		4.3		21.4
SS1248	S-SMA-6	WT		UF	CS	GU0408K124801										
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		28.9						10.7		
SS198	M-SMA-1	WT		F	CS	GF04080K19801				35.7	<	0.172	<	0.099	<	1
SS198	M-SMA-1	WT		UF	CS	GU04080K19801				174	<	0.9	<	0.75		5.4
SS198	M-SMA-1	WT		F	CS	GF04080K19802				14.2	<	0.172	<	0.07	<	2.5
SS198	M-SMA-1	WT		UF	CS	GU04080K19802				113	<	0.38	<	0.53	<	2.5
SS198	M-SMA-1	WT		F	CS	GF04080K19803				15.9	<	0.172		0.097	<	0.762
SS198	M-SMA-1	WT		F	DUP	GF04080K19803				16.1	<	0.172	<	0.086	<	0.762
SS198	M-SMA-1	WT		UF	CS	GU04080K19803				60		0.23		0.33	<	0.762
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803		0.555		63.1	<	0.233	<	0.367	<	1.2
SS198	M-SMA-1	WT		F	CS	GF04090K19801				18.5	<	0.172		0.2	<	3.1
SS198	M-SMA-1	WT		UF	CS	GU04090K19801				53.9		0.2		0.4	<	1.5
SS1984	M-SMA-2	WT		F	CS	GF0408K198401				42.5	<	0.172	<	0.097	<	1
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401				818		5.7		2.3		24.5
SS1984	M-SMA-2	WT		F	CS	GF0408K198402				23.8	<	0.172	<	0.089	<	0.96
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402				331	<	1.9	<	0.94		8.1
SS1985	M-SMA-3	WT		F	CS	GF0408K198501				22.9	<	0.172	<	0.07	<	0.762
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501				368	<	2.7		1.4		10.2
SS1985	M-SMA-3	WT		F	CS	GF0408K198502				19.1	<	0.172	<	0.07		6.4
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502				388	<	2.7		1.3		9.4
SS1985	M-SMA-3	WT		F	CS	GF0409K198501				9.2	<	0.172	<	0.07		2.1
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501				204	<	1.2		0.64		4.4
SS1987	M-SMA-4	WT		F	CS	GF0408K198701				37.1	<	0.172	<	0.095	<	2.9
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701				135	<	0.95	<	0.53	<	2.8
SS1987	M-SMA-4	WT		F	CS	GF0408K198702				23.2	<	0.23	<	0.07	<	0.89
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702	<	2		23.5	<	0.172	<	0.07	<	0.762
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702				1040		7		2.8		28.7
SS1987	M-SMA-4	WT		F	CS	GF0408K198703				30.7	<	0.172	<	0.14		6.5
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703	<	0.53		30.4	<	0.172	<	0.126		6.29
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703				86.2	<	0.53	<	0.42	<	1.1

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		F	CS	GF0409K198701				23.8	<	0.172	<	0.07		8.9
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701		0.827		24.2	<	0.172	<	0.07		8.48
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701				72.6	<	0.55		0.76		0.78
SS1987	M-SMA-4	WT		F	CS	GF0410K198701				38.9		0.34		0.11	<	0.762
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701				37.8		0.249		0.119	<	0.762
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701				46.5		0.4		0.18	<	0.762
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701				46.4		0.346		0.146	<	0.762
SS199	M-SMA-5	WT		F	CS	GF04080K19901				30.2	<	0.172	<	0.07	<	0.762
SS199	M-SMA-5	WT		UF	CS	GU04080K19902										
SS199	M-SMA-5	WT		F	CS	GF04080K19902				18.1	<	0.172	<	0.07	<	4.5
SS199	M-SMA-5	WT		UF	CS	GU04080K19903				692	<	4.6		2.9		10.8
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903		11.2		704	<	4.62		3.01		10.7
SS199	M-SMA-5	WT		F	CS	GF04090K19901				10.2	<	0.172	<	0.07	<	0.762
SS199	M-SMA-5	WT		UF	CS	GU04090K19902				524		3.4		1.9		9.7
SS199	M-SMA-5	WT		F	CS	GF04100K19901				9.4	<	0.172	<	0.07	<	0.762
SS199	M-SMA-5	WT		F	DUP	GF04100K19901				9.34	<	0.172			<	0.762
SS199	M-SMA-5	WT		UF	CS	GU04100K19901				481		3.5		1.8		8.1
SS199	M-SMA-5	WT		UF	CS	GU04100K19902				117	<	0.9	<	0.41	<	1.6
SS1991	M-SMA-6	WT		F	CS	GF0408K199101				18.2	<	0.172	<	0.07	<	2.6
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101				477	<	3.5		1.2		14.2
SS1991	M-SMA-6	WT		F	CS	GF0408K199102				25.7	<	0.172	<	0.13	<	2.6
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102	<	1.07		25.6	<	0.172	<	0.089	<	2.76
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102				67.6	<	0.52	<	0.27	<	1.3
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102	<	1.66		68.9	<	0.571	<	0.27	<	1.14
SS1991	M-SMA-6	WT		F	CS	GF0408K199103				15.7	<	0.172	<	0.07	<	2.7
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103				15.5	<	0.172	<	0.07	<	2.76
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103				349	<	2.9		1.2		8.6
SS1991	M-SMA-6	WT		F	CS	GF0408K199104				24.9	<	0.172		0.081		1.9
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104				205		1.5		0.64		4.2
SS2001	M-SMA-9	WT		F	CS	GF0408K200101				19.7	<	0.172	<	0.07	<	1.4
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101				103	<	0.96	<	0.38	<	1.9
SS2001	M-SMA-9	WT		F	CS	GF0408K200102				9.3	<	0.172	<	0.07	<	0.762
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102				98.6	<	0.74	<	0.32	<	1.7

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		F	CS	GF0409K200101				13.9	<	0.172	<	0.07	<	1.5
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101				441		4.1		1.2		13.5
SS2001	M-SMA-9	WT		F	CS	GF0409K200102				5.6	<	0.172	<	0.07		0.83
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102				93.4		0.82		0.29		1.3
SS2003	M-SMA-11	WT		F	CS	GF0408K200301				5.6	<	0.172	<	0.07	<	0.762
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301				11.6	<	0.172	<	0.07	<	0.762
SS2003	M-SMA-11	WT		F	CS	GF0408K200302				6.2	<	0.172	<	0.081	<	1
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302				78.8	<	0.95	<	0.39	<	1.6
SS2003	M-SMA-11	WT		F	CS	GF0408K200303				5.3	<	0.172	<	0.07	<	0.762
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303				91.6	<	1.3	<	0.44	<	1.7
SS2003	M-SMA-11	WT		F	CS	GF0409K200301				6.4	<	0.172	<	0.07	<	3.6
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301				98.4		1.2		0.51	<	3
SS2003	M-SMA-11	WT		F	CS	GF0409K200302				4.4	<	0.172	<	0.07	<	0.762
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302				4.43	<	0.172			<	0.762
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303				22.4		0.28		0.11	<	0.762
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303				22.4		0.278			<	0.762
SS2004	M-SMA-12	WT		F	CS	GF0410K200401				21.6	<	0.71	<	0.18	<	4.1
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401		3.03		21.2	<	0.577	<	0.169	<	3.96
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401				66.9	<	1.7	<	0.41	<	0.762
SS20134	T-SMA-3	WT		F	CS	GF04082013401				64.6	<	0.172	<	0.24	<	3
SS20134	T-SMA-3	WT		UF	CS	GU04082013401				333	<	2		2.4		8.6
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401				334	<	2.01		2.33		8.84
SS20134	T-SMA-3	WT		F	CS	GF04082013402				27.3	<	0.18	<	0.14	<	0.762
SS20134	T-SMA-3	WT		UF	CS	GU04082013402				167	<	0.94		1	<	3.9
SS20134	T-SMA-3	WT		F	CS	GF04082013403				25	<	0.172	<	0.12	<	3.7
SS20134	T-SMA-3	WT		UF	CS	GU04082013403				122	<	0.72	<	0.75	<	2.8
SS20134	T-SMA-3	WT		F	CS	GF04082013404				16.3	<	0.172	<	0.09		6.7
SS20134	T-SMA-3	WT		UF	CS	GU04082013404				356	<	2.7		1.8		8.8
SS20134	T-SMA-3	WT		F	CS	GF04082013405				23	<	0.172		0.14		5.3
SS20134	T-SMA-3	WT		UF	CS	GU04082013405				188		1.2		0.9		3.8
SS20136	T-SMA-4	WT		F	CS	GF04082013601				28.3	<	0.172	<	0.098	<	0.762
SS20136	T-SMA-4	WT		UF	CS	GU04082013601				125	<	1	<	0.53	<	3.1
SS20136	T-SMA-4	WT		F	CS	GF04102013601				12.5	<	0.172	<	0.07		3.9

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	DUP	GF04102013601		0.645					<	0.07		
SS20136	T-SMA-4	WT		UF	CS	GU04102013601				103		0.91		0.34		2.6
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601				104		0.923				2.71
SS20136	T-SMA-4	WT		F	CS	GF04102013602				18.7	<	0.172	<	0.07	<	0.762
SS20136	T-SMA-4	WT		UF	CS	GU04102013602				75	<	0.63	<	0.27	<	1.3
SS20138	T-SMA-5	WT		F	CS	GF0408K201301				19.4	<	0.172	<	0.07	<	0.762
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301				432	<	4.1		1.5		9.8
SS20138	T-SMA-5	WT		F	CS	GF0410K201301				16.1	<	0.172	<	0.07	<	0.762
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301				271	<	2.6	<	0.74		6.3
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201				57.1	<	0.172	<	0.074		11.1
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201				58.7	<	0.172	<	0.07		11.4
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201				1520		10.4		1.4		27.1
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202				71.8	<	0.2	<	0.078		9.8
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202				1270		9.2		1.5		23.8
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202		25.1		1280		9.52		1.51		24.8
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203				46.2	<	0.172	<	0.07	<	0.762
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203				1280		9.8		2.1		26.4
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204				91.3	<	0.51	<	0.12	<	1.4
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204		3.72		93.1	<	0.432	<	0.123	<	1.46
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204				3410		26		3.3		75.2
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204		84.5		3370		26.5		3.87		77.4
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201										
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201				27.1	<	0.172	<	0.07		12.5
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202				201	<	1.6	<	0.23	<	3.7
SS205	M-SMA-13	WT		UF	CS	GU04080K20501		13.9						3.5		
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		23.5						4.9		
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		22.3						6.2		
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		7.1						2.7		
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		12.2						1.8		
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501		11.4		685		7.02		1.64		17.4
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501				16.6	<	0.172	<	0.073	<	0.762
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501				239	<	1.4		1.2		5.8
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502				12.4	<	0.172	<	0.1	<	2.1

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	As		Ba		Be		Cd		Co	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502				300	<	1.6		1.5		8.9
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501				9.3	<	0.172	<	0.07	<	0.762
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501				180		1.2		0.73		4.9
SS2185	CDB-SMA-1	WT		UF	DUP	GU0410K218501		5.01						0.73		
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502				27.7	<	0.29	<	0.1	<	1.6
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502				250	<	1.5	<	0.9		6.9
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801				26.6	<	0.172	<	0.13	<	0.98
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801				175	<	2.9		1.3	<	4.8
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801				26.3	<	0.172	<	0.07	<	3.9
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801				77.9	<	1.1	<	0.48	<	1.4
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801	<	1.97		81.4	<	1.09	<	0.443	<	1.22

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101										4410
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101	<	1.6	<	3.1			<	86.5		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		28.2		23.3				11500		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101	<	1.43		9.3				180		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101	<	1.59		9.41				181		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101		29		55.9				9900		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101		24.4		53				8450		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102	<	2.5	<	4.9				284		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102	<	2.65	<	4.25				425		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		12.6		18				4840		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		13.4		18.3				5280		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101		3.9		10.2				3090		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101		3.97		8.84				3110		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		12.3		20.7				10700		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		11.7		20.3				10600		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001	<	2		5.1				962		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		9.4		15.2				9180		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001	<	1.8	<	4.7				493		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		26.5		43.7				25300		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002	<	2.1	<	3.7				649		
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002	<	2.15	<	3.51				661		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		33.7		56.4				40700		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003	<	1.8	<	3.2				787		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		11.7		16.5				10700		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302		13.4		10.2				1600		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303										
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301	<	1.43		2.58				510		
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301		3.92		2.68				512		
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301	<	2.36	<	3.7				617		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301		38.8		59.4				47400		
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301		5.1		4.3				457		
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301		5.38		3.68				429		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301		5.5		5.2				696		
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301		6.4		4.97				1220		
E227	MDA G-13	WT		F	CS	GF04080E22701	<	1.43	<	3				228		
E227	MDA G-13	WT		F	DUP	GF04080E22701	<	1.43	<	3.34				223		
E227	MDA G-13	WT		UF	CS	GU04080E22701		50.3		62.3				66000		
E227	MDA G-13	WT		UF	DUP	GU04080E22701		49.5		64				62900		
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502		14.8		20.1				14300		
E248.5	MDA G-6U	WT		F	CS	GF0407E248501	<	1.4	<	3.18			<	121		
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501	<	4.47		11.9				5570		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0409E248501		3		5.7				290		
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501		3.06		5.19				348		
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501		15.9		23.2				8040		
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501		15.2		22.8				7910		
E248.5	MDA G-6U	WT		F	CS	GF0410E248501	<	1.43		2			<	163		
E249	MDA G-4	WT		F	CS	GF04080E24901	<	1.43	<	3.5				232		
E249	MDA G-4	WT		UF	CS	GU04080E24901	<	1.7		15.7				2360		
E249.5	MDA G-7	WT		UF	CS	GU0402E249501										3320
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501						10.1				3790
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501										
E249.5	MDA G-7	WT		UF	CS	GU0408E249502										
E249.5	MDA G-7	WT		UF	CS	GU0408E249503										
E249.5	MDA G-7	WT		UF	CS	GU0408E249504										
E249.5	MDA G-7	WT		UF	CS	GU0408E249505										2390
E249.5	MDA G-7	WT		UF	CS	GU0409E249501										2210
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501	<	1.43	<	1.9				112		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		62.5		98.3				95800		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401	<	3.7	<	5				1940		
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401	<	3.31		5.28				1930		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		106		146				132000		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402	<	1.43	<	4.8				302		
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402	<	1.69	<	4.77				317		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		156		223				186000		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403	<	3.5		6.1				484		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		78.7		99.8				89700		
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		74.1		97.2				84600		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401		2.3		4.8				900		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		87.5		121				101000		
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501	<	1.6	<	4			<	74.4		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501	<	4.8		10				3110		
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502	<	1.6	<	4.3				164		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		5.1		11.7				3090		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503	<	1.43	<	3				188		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		9.9		21				8730		
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504	<	1.43		3.4				174		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		10.4		19.6				8760		
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601	<	1.43	<	2.6				137		
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		19		47.8				20200		
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602	<	1.43		3.9				104		
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		6.8		12.9				5270		
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601	<	1.43		4.3				91.1		
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		6.4		19.3				3970		
SS0266	LA-SMA-3	WT		UF	DUP	GU0409K026601										
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601	<	1.43		3.9				118		
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		9.7		17.9				7610		
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701	<	1.43		7.9				107		
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701		19.3		82.7				22400		
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701		22.9		89.2				24900		
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702	<	1.43		7				101		
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		44.8		183				47800		
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703	<	1.43		5.7				131		
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		18.6		97				27400		
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701	<	1.43		5.8				63.9		
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701	<	1.43		4.97				66.7		
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		12.9		70.1				14500		
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801	<	1.43	<	3.8				813		
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		77.2		118				63400		
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801		86.3		126				75100		
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901	<	1.5		5.7				1550		
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901		35.3		68.1				36300		
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901	<	1.43		2.2				676		
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901	<	1.43		2.55				706		
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		40.8		104				75000		
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901		34.5		95.3				63500		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701										
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501										
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502										
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501										
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502										
SS067	B-SMA-1	WT		F	CS	GF04080K06701	<	1.6	<	2.2				3210		
SS067	B-SMA-1	WT		UF	CS	GU04080K06701		26.9		25.3				32600		
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701										
SS067	B-SMA-1	WT		F	CS	GF04080K06702	<	1.43	<	2.2				709		
SS067	B-SMA-1	WT		F	DUP	GF04080K06702										
SS067	B-SMA-1	WT		UF	CS	GU04080K06702		66.4		66.7				88400		
SS067	B-SMA-1	WT		UF	DUP	GU04080K06702										
SS067	B-SMA-1	WT		F	CS	GF04080K06703	<	1.7	<	3.6				2450		
SS067	B-SMA-1	WT		UF	CS	GU04080K06703	<	1.43	<	2.9				1420		
SS067	B-SMA-1	WT		F	CS	GF04080K06704	<	1.43	<	4.1				289		
SS067	B-SMA-1	WT		UF	CS	GU04080K06704		59.8		54.5				72600		
SS067	B-SMA-1	WT		F	CS	GF04080K06705	<	1.43		3.2				1050		
SS067	B-SMA-1	WT		UF	CS	GU04080K06705		98.8		97.6				118000		
SS12292	S-SMA-3	WT		F	CS	GF0408K122901	<	1.43	<	3.9				696		
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901		115		203				165000		
SS12292	S-SMA-3	WT		F	CS	GF0409K122901	<	1.43		3				505		
SS12292	S-SMA-3	WT		F	DUP	GF0409K122901										
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901		41		53.7				64400		
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901										
SS1238	S-SMA-4	WT		F	CS	GF0408K123801	<	1.5	<	4.5				172		
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801		1.64		4.68				153		
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		46.9		157				29100		
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										
SS1238	S-SMA-4	WT		F	CS	GF0408K123802	<	1.43		9.8				124		
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		21.3		83.5				14800		
SS1238	S-SMA-4	WT		F	CS	GF0408K123803	<	2.9		8.7				106		
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803		25.2		90.2				17900		
SS1238	S-SMA-4	WT		F	CS	GF0408K123804	<	2.9		7.6			<	66.5		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		9.9		23.2				5350		
SS1245	S-SMA-5	WT		F	CS	GF0408K124501		7	<	4.4				1540		
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501		219		104				50900		
SS1248	S-SMA-6	WT		UF	CS	GU0408K124801										
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802										
SS198	M-SMA-1	WT		F	CS	GF04080K19801	<	3.5		5.1			<	28.6		
SS198	M-SMA-1	WT		UF	CS	GU04080K19801		15.6		43.9				13300		
SS198	M-SMA-1	WT		F	CS	GF04080K19802	<	1.43		8.1			<	27.3		
SS198	M-SMA-1	WT		UF	CS	GU04080K19802		9		24.8				7100		
SS198	M-SMA-1	WT		F	CS	GF04080K19803		1.5		8.7				216		
SS198	M-SMA-1	WT		F	DUP	GF04080K19803	<	1.43		8.79				229		
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		5.5		21				3960		
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803		5.33		21.8				4100		
SS198	M-SMA-1	WT		F	CS	GF04090K19801	<	1.43		15				27.2		
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		4.1		23.2				2970		
SS1984	M-SMA-2	WT		F	CS	GF0408K198401	<	1.43	<	2.9				1160		
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		57		90.9				62600		
SS1984	M-SMA-2	WT		F	CS	GF0408K198402	<	1.4		6.8				669		
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		23		35.9				25800		
SS1985	M-SMA-3	WT		F	CS	GF0408K198501	<	1.43	<	3.5				335		
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		32		73.3				31400		
SS1985	M-SMA-3	WT		F	CS	GF0408K198502	<	1.6		6				358		
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		24.9		70.4				28600		
SS1985	M-SMA-3	WT		F	CS	GF0409K198501	<	1.43		4				352		
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		15.9		32.5				16000		
SS1987	M-SMA-4	WT		F	CS	GF0408K198701	<	3.4	<	3.8				1300		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		16.3		49.9				10000		
SS1987	M-SMA-4	WT		F	CS	GF0408K198702	<	1.8		5.7				828		
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702	<	1.65		5.37				874		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		117		153				40200		
SS1987	M-SMA-4	WT		F	CS	GF0408K198703	<	4.3		30.8				1230		
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703	<	4.47		30.9				1230		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		14.3		49.9				6660		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		F	CS	GF0409K198701		2.8		10.7				1060		
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701		2.8		10.3				1050		
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701		10.6		37				5540		
SS1987	M-SMA-4	WT		F	CS	GF0410K198701		5.4		22.5				2300		
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701		5.64		22.2				2320		
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701		6.8		26.7				3040		
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701		7.12		27.5				3140		
SS199	M-SMA-5	WT		F	CS	GF04080K19901	<	1.43	<	2.4				185		
SS199	M-SMA-5	WT		UF	CS	GU04080K19902										
SS199	M-SMA-5	WT		F	CS	GF04080K19902	<	1.43	<	3.2				588		
SS199	M-SMA-5	WT		UF	CS	GU04080K19903		28.1		58.3				43200		
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903		28.5		59.2				42900		
SS199	M-SMA-5	WT		F	CS	GF04090K19901	<	1.43	<	1.8				501		
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		23.4		44				36800		
SS199	M-SMA-5	WT		F	CS	GF04100K19901	<	1.43	<	1.8				392		
SS199	M-SMA-5	WT		F	DUP	GF04100K19901	<	1.43	<	1.8				396		
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		19.1		40.3				26800		
SS199	M-SMA-5	WT		UF	CS	GU04100K19902		6.1		11.9				8620		
SS1991	M-SMA-6	WT		F	CS	GF0408K199101	<	1.43		5.6				326		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		42.6		56				43900		
SS1991	M-SMA-6	WT		F	CS	GF0408K199102	<	1.43		8				451		
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102	<	1.73		7.91				454		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102	<	4.5		14.7				4770		
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102		5.59		15.1				4510		
SS1991	M-SMA-6	WT		F	CS	GF0408K199103	<	2	<	3.4				592		
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103	<	1.79	<	3.44				579		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		26.3		37.7				26700		
SS1991	M-SMA-6	WT		F	CS	GF0408K199104		1.9		5.8				973		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		16.7		24.5				15700		
SS2001	M-SMA-9	WT		F	CS	GF0408K200101	<	1.43	<	3				847		
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101		6		11.4				7330		
SS2001	M-SMA-9	WT		F	CS	GF0408K200102	<	1.43	<	4.1				302		
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		7.3		12.6				9680		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		F	CS	GF0409K200101	<	1.43		3.6				804		
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101		33.6		54.1				44900		
SS2001	M-SMA-9	WT		F	CS	GF0409K200102	<	1.43	<	1.8				207		
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		5.1		9.4				7640		
SS2003	M-SMA-11	WT		F	CS	GF0408K200301	<	1.43	<	2				130		
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301	<	1.43	<	2.2				543		
SS2003	M-SMA-11	WT		F	CS	GF0408K200302	<	1.43	<	2.5			<	96.3		
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302		6.2		14.3				9290		
SS2003	M-SMA-11	WT		F	CS	GF0408K200303	<	1.43	<	2.5			<	179		
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		7.2		12.4				9430		
SS2003	M-SMA-11	WT		F	CS	GF0409K200301	<	1.43	<	1.8				113		
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		6.9		14.1				11700		
SS2003	M-SMA-11	WT		F	CS	GF0409K200302	<	1.43		1.9				259		
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302	<	1.43	<	1.8				260		
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		2		2.9				2890		
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303		2.49		3.06				2810		
SS2004	M-SMA-12	WT		F	CS	GF0410K200401	<	2.5		5.9				2150		
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401	<	2.95		5.31				2130		
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		8.6		13.8				8110		
SS20134	T-SMA-3	WT		F	CS	GF04082013401	<	1.43		8.7				1640		
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		21.7		65.2				20200		
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		21.1		65.1				19800		
SS20134	T-SMA-3	WT		F	CS	GF04082013402	<	1.43		15.8				165		
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		12.3		39.4				12100		
SS20134	T-SMA-3	WT		F	CS	GF04082013403	<	1.43		14				158		
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		8.8		31.5				8360		
SS20134	T-SMA-3	WT		F	CS	GF04082013404	<	1.43		6.3				512		
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		27.6		60.9				29600		
SS20134	T-SMA-3	WT		F	CS	GF04082013405	<	1.43		9.8				213		
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		14.3		38				12600		
SS20136	T-SMA-4	WT		F	CS	GF04082013601	<	1.4		6				1150		
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		10.1		18.4				9480		
SS20136	T-SMA-4	WT		F	CS	GF04102013601	<	1.43		3.4				209		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	DUP	GF04102013601										
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		8		15.4				7460		
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		7.98		15.3				7400		
SS20136	T-SMA-4	WT		F	CS	GF04102013602	<	2		5.7				1290		
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		6.4		14.1				6310		
SS20138	T-SMA-5	WT		F	CS	GF0408K201301	<	1.43	<	1.8				605		
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301		26.7		43.8				30600		
SS20138	T-SMA-5	WT		F	CS	GF0410K201301	<	1.43	<	1.8				487		
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		17.3		27.3				20800		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201	<	1.43	<	2.8				1170		
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201	<	1.43	<	2.93				1180		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		45.2		78				56600		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202	<	1.43		7.9				1770		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202		66.6		67.4				77400		
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202		73.2		71				83800		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203	<	1.43		6				623		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		76.7		80.3				90600		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204	<	4	<	6.1				4570		
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204	<	4.44		5.65				4700		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		169		195				212000		
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204		195		206				241000		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201										
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201	<	1.6	<	3.2				1480		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202		15.8		18				18300		
SS205	M-SMA-13	WT		UF	CS	GU04080K20501										
SS205	M-SMA-13	WT		UF	CS	GU04080K20502										
SS205	M-SMA-13	WT		UF	CS	GU04080K20503										
SS205	M-SMA-13	WT		UF	CS	GU04080K20504										
SS205	M-SMA-13	WT		UF	CS	GU04090K20501										
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501		42.7		73.5				54500		
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501	<	1.43		6.9				182		
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		22.4		64.5				14100		
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502	<	1.6		9.4				514		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Cr		Cu		Cu		Fe		Fe	
						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		32.6		92.3				22300		
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501		2.4		5.7				402		
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		19.5		48.8				11300		
SS2185	CDB-SMA-1	WT		UF	DUP	GU0410K218501										
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502		5.4		13.6				2390		
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		25.6		66.2				17300		
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801	<	1.43		11.3				284		
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		17.7		93.1				11600		
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801	<	1.43		15			<	41.7		
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801		7.1		46.7				4360		
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801		8.26		49.9				4810		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101	<	0.0472								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101				14.8	<	2.5	<	3.6		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		0.22		284	<	3.2		9.1		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101				17.5	<	2.6	<	3.6		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101				17.8	<	0.948	<	3.6		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101				355	<	2		10.2		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101				328	<	1.67		8.5		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102				11.7	<	2.1	<	3.6		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102				12.1	<	2.72	<	3.6		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		0.24		196	<	5	<	4.8		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102				201	<	4.33	<	3.76		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101				86.7	<	1.7	<	3.6		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101				85.5	<	0.948	<	3.6		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		0.24		287	<	1.3		6.4		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		0.232		286		1.98		5.88		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201	<	0.0472								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201		0.12								
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290	<	0.058								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201	<	0.076								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201	<	0.056								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202	<	0.18								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203	<	0.091								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001				14.3		15.6	<	3.6		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001	<	0.0472		359		14.3		6.9		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001	<	0.047								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001				40.7	<	5.3	<	3.6		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001	<	0.1		1220	<	6.5		19.8		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002				27.5	<	7.7	<	3.6		
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002				27.3	<	5.75	<	3.6		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002	<	0.14		2170	<	9.8		26.5		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003				11.4		11.1	<	3.6		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003	<	0.0472		458		12.4		11.3		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302		0.082		30.5	<	2.03	<	3.6		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303	<	0.0472								
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301				8.56	<	0.948	<	3.6		
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301				8.12	<	0.948	<	3.6		
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301			<	5.85	<	1.35	<	3.6		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301	<	0.0674		2060	<	3.17		33.4		
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301				19.4	<	2.6	<	3.6		
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301				18.8	<	0.948	<	3.6		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301				22.5	<	1.3	<	3.6		
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301				25.2	<	0.948	<	3.6		
E227	MDA G-13	WT		F	CS	GF04080E22701				26.6	<	3.2	<	3.6		
E227	MDA G-13	WT		F	DUP	GF04080E22701				26.2	<	1.29	<	3.6		1.49
E227	MDA G-13	WT		UF	CS	GU04080E22701	<	0.058		2540	<	5.6		45.9		
E227	MDA G-13	WT		UF	DUP	GU04080E22701				2570	<	5.07		45.4		45.6
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502		0.048		366	<	1.39		10.2		
E248.5	MDA G-6U	WT		F	CS	GF0407E248501			<	3.43	<	1.73	<	3.6		
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501	<	0.047		166	<	1.86	<	3.6		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0409E248501				14.3		3.5	<	3.6		
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501				14.6		1.59	<	3.6		
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501		0.053		195		2.1		5.1		
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501		0.0556		194		2.27		4.58		
E248.5	MDA G-6U	WT		F	CS	GF0410E248501				14.6	<	3.4	<	3.6		
E249	MDA G-4	WT		F	CS	GF04080E24901				32.8	<	0.948	<	3.6		
E249	MDA G-4	WT		UF	CS	GU04080E24901	<	0.055		549	<	0.948		8.6		
E249.5	MDA G-7	WT		UF	CS	GU0402E249501	<	0.0472								
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501	<	0.0472								
E249.5	MDA G-7	WT		UF	CS	GU0406E249501	<	0.11								
E249.5	MDA G-7	WT		UF	CS	GU0407E249501	<	0.0472								
E249.5	MDA G-7	WT		UF	CS	GU0408E249502	<	0.055								
E249.5	MDA G-7	WT		UF	CS	GU0408E249503										
E249.5	MDA G-7	WT		UF	CS	GU0408E249504										
E249.5	MDA G-7	WT		UF	CS	GU0408E249505										
E249.5	MDA G-7	WT		UF	CS	GU0409E249501										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501				199	<	5.8				2.9
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		0.34		7070	<	0.948				83.3
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401				35.9	<	6.6				2.4
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401				35.1	<	5.21				2.29
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		0.5		5520	<	8.1				73.4
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402				29.5	<	3.4				3.1
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402				29	<	3.37			<	1.91
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		0.6		14900	<	5.2				230
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403				14.3	<	7.1				2
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		0.53		3490	<	5				77.7
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		0.518		3440	<	4				80.1
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401				45.8	<	5.1				2.6
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		0.32		4200	<	4.8				92.7
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501			<	4.3	<	3.6			<	1.1
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501	<	0.0472		108	<	2.9				2.6
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502			<	7.5	<	0.948			<	1.3
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502	<	0.0472		109	<	0.948				4.2

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503				12.7	<	2.4			<	0.85
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503	<	0.0472		299	<	2				9
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503	<	0.0472								8.04
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504				5.5	<	0.948				0.69
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504	<	0.0472		291	<	0.948				6.2
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601				10.4	<	0.96			<	1.2
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601	<	0.2		1070	<	3.3				19.5
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602				1.4	<	0.948				0.41
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602	<	0.0472		151	<	0.948				4.5
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601				12.8	<	1.7				1.3
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		0.16		209	<	2.4				8
SS0266	LA-SMA-3	WT		UF	DUP	GU0409K026601		0.166								
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601				10.7	<	0.948			<	1.3
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		0.15		212		0.98				7.6
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701			<	6.2	<	2.8			<	1.9
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701	<	0.0472		926	<	3.6				16.9
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701	<	0.0472		997	<	3.6				17.8
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702				19.3	<	0.948			<	1.4
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702	<	0.18		2250	<	3.3				28.6
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703				40.3	<	2.2			<	1.6
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703	<	0.15		3850	<	3.6				27.6
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701				3.4	<	2.4				1.6
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701				3.46	<	0.948				
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		0.11		643	<	2				12.4
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801				19.3	<	1.3			<	1.8
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		1.7		4390	<	4.1				81.2
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801				4490	<	5.28				
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901				695	<	2.8				4.4
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901		0.44		2330	<	2.9				30.6
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901				229		3.3				2.6
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901				226		0.954				2.63
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901	<	0.0472		3960		5.6				53.8
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901		0.0501		3660		3.82				55.7

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701										
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501	<	0.15								
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		0.94								
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501		0.091								
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502										
SS067	B-SMA-1	WT		F	CS	GF04080K06701				698	<	1.5				3.3
SS067	B-SMA-1	WT		UF	CS	GU04080K06701	<	0.093		1420	<	2.3				24.7
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701										25.1
SS067	B-SMA-1	WT		F	CS	GF04080K06702				301	<	2.8				3.1
SS067	B-SMA-1	WT		F	DUP	GF04080K06702										3.15
SS067	B-SMA-1	WT		UF	CS	GU04080K06702	<	0.0472		3170	<	7.7				43.5
SS067	B-SMA-1	WT		UF	DUP	GU04080K06702										43.3
SS067	B-SMA-1	WT		F	CS	GF04080K06703				83.4	<	0.948				2.4
SS067	B-SMA-1	WT		UF	CS	GU04080K06703	<	0.0472		83.1	<	0.948			<	1.9
SS067	B-SMA-1	WT		F	CS	GF04080K06704				52.4	<	0.948				1.8
SS067	B-SMA-1	WT		UF	CS	GU04080K06704	<	0.14		2870	<	5.6				49.2
SS067	B-SMA-1	WT		F	CS	GF04080K06705				410	<	0.948				2.6
SS067	B-SMA-1	WT		UF	CS	GU04080K06705		0.11		4500		6.1				67.3
SS12292	S-SMA-3	WT		F	CS	GF0408K122901				5.8	<	3.1				1.3
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901	<	0.35		5080		17.6				110
SS12292	S-SMA-3	WT		F	CS	GF0409K122901				18.4	<	1.1				1.7
SS12292	S-SMA-3	WT		F	DUP	GF0409K122901										1.66
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901	<	0.08		1880		8				28.8
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901		0.0773								30.2
SS1238	S-SMA-4	WT		F	CS	GF0408K123801				22.7		59.8				1.3
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801				23		60.7	<	3.6	<	1.26
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801	<	0.1		1620		43.2				23.3
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801	<	0.0472								
SS1238	S-SMA-4	WT		F	CS	GF0408K123802				78.5		35.8				1.1
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802	<	0.0472		648		26.5				11.5
SS1238	S-SMA-4	WT		F	CS	GF0408K123803				14.4		70.4			<	1.7
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803	<	0.0472		1600		53.4				23.3
SS1238	S-SMA-4	WT		F	CS	GF0408K123804			<	8		47			<	0.89

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804	<	0.0472		208		54.5				3.2
SS1245	S-SMA-5	WT		F	CS	GF0408K124501				467		13.1				2.8
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501	<	0.26		3960	<	7.9				57.3
SS1248	S-SMA-6	WT		UF	CS	GU0408K124801		1.8								
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		1.6								
SS198	M-SMA-1	WT		F	CS	GF04080K19801				27.9		334			<	1.5
SS198	M-SMA-1	WT		UF	CS	GU04080K19801	<	0.0472		334	<	9.3				10.2
SS198	M-SMA-1	WT		F	CS	GF04080K19802				23.6		42.3			<	1.7
SS198	M-SMA-1	WT		UF	CS	GU04080K19802	<	0.0472		284	<	5.2				7
SS198	M-SMA-1	WT		F	CS	GF04080K19803				2.2		24				0.82
SS198	M-SMA-1	WT		F	DUP	GF04080K19803			<	2.19		23.9	<	3.6		0.936
SS198	M-SMA-1	WT		UF	CS	GU04080K19803	<	0.0472		105		46.3				4.5
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803				109		48.7		6.93		4.59
SS198	M-SMA-1	WT		F	CS	GF04090K19801				18		29.4				2.5
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		0.054		101		29.4				4
SS1984	M-SMA-2	WT		F	CS	GF0408K198401				193	<	1.1				1.8
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401	<	0.054		1880	<	1.9				39.4
SS1984	M-SMA-2	WT		F	CS	GF0408K198402				22.8	<	1.8			<	1.6
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402	<	0.06		644	<	2.3				17.4
SS1985	M-SMA-3	WT		F	CS	GF0408K198501				5	<	0.948				0.76
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501	<	0.0472		838	<	2.2				23.7
SS1985	M-SMA-3	WT		F	CS	GF0408K198502				32.2	<	1.9				2.2
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502	<	0.075		1040	<	4.4				19.1
SS1985	M-SMA-3	WT		F	CS	GF0409K198501				17		1.8				1.3
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501	<	0.0472		451		1.6				12.4
SS1987	M-SMA-4	WT		F	CS	GF0408K198701				401		18				2.6
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701	<	0.078		406		62.8				7.4
SS1987	M-SMA-4	WT		F	CS	GF0408K198702				54.1	<	6.5				1.5
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702				55.5	<	5.41			<	1.38
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702	<	0.086		3150	<	6				36.5
SS1987	M-SMA-4	WT		F	CS	GF0408K198703				17.5		102				3
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703				17.5		101				3.12
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703	<	0.0472		150		97.8				5.2

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		F	CS	GF0409K198701				42.1		27.9				1.5
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701				42.9		26.3				1.39
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701		0.051		174		43.4				13
SS1987	M-SMA-4	WT		F	CS	GF0410K198701				21		57.7				2.4
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701				20.6		53.7				2.39
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701	<	0.0472		31.5		56.6				2.8
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701	<	0.0472		32		56.4				2.91
SS199	M-SMA-5	WT		F	CS	GF04080K19901			<	8.3	<	1.6			<	1.3
SS199	M-SMA-5	WT		UF	CS	GU04080K19902	<	0.1								
SS199	M-SMA-5	WT		F	CS	GF04080K19902				17.4	<	1.1				2.2
SS199	M-SMA-5	WT		UF	CS	GU04080K19903	<	0.078		3570	<	5.4				23.5
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903	<	0.121		3610	<	5.24				24.4
SS199	M-SMA-5	WT		F	CS	GF04090K19901				13.4	<	1.7				0.94
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		0.26		2780	<	4.9				21
SS199	M-SMA-5	WT		F	CS	GF04100K19901				8.7	<	0.948			<	0.51
SS199	M-SMA-5	WT		F	DUP	GF04100K19901				8.41	<	0.948				
SS199	M-SMA-5	WT		UF	CS	GU04100K19901				2610		2.4				17.1
SS199	M-SMA-5	WT		UF	CS	GU04100K19902	<	0.05		530	<	0.948				5
SS1991	M-SMA-6	WT		F	CS	GF0408K199101				46.9	<	2.4			<	1.8
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101	<	0.0472		1470	<	6.3				24.1
SS1991	M-SMA-6	WT		F	CS	GF0408K199102				51.1	<	0.948				2.6
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102				50.7	<	0.948				2.66
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102	<	0.0472		143	<	0.948				4.3
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102				141	<	0.948				4.3
SS1991	M-SMA-6	WT		F	CS	GF0408K199103				36.1	<	1.7			<	1.6
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103				36.2	<	0.967			<	1.6
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103	<	0.064		1030	<	2.6				18.2
SS1991	M-SMA-6	WT		F	CS	GF0408K199104				78.4	<	0.948				1.4
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104	<	0.0472		458	<	0.948				10.2
SS2001	M-SMA-9	WT		F	CS	GF0408K200101				200	<	0.948			<	1.8
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101	<	0.0472		343	<	1.1				6.5
SS2001	M-SMA-9	WT		F	CS	GF0408K200102				35	<	0.948			<	0.89
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102	<	0.048		305	<	1.1				3.4

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		F	CS	GF0409K200101				5.3	<	0.948				1.3
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101		0.19		1450	<	3.4				12.5
SS2001	M-SMA-9	WT		F	CS	GF0409K200102				14.9	<	1.4				0.76
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102	<	0.14		280	<	1.2				5.7
SS2003	M-SMA-11	WT		F	CS	GF0408K200301				80.3	<	0.948			<	0.61
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301	<	0.058		103	<	0.948			<	0.91
SS2003	M-SMA-11	WT		F	CS	GF0408K200302				75.6	<	0.948			<	0.9
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302	<	0.057		430	<	0.948				3.6
SS2003	M-SMA-11	WT		F	CS	GF0408K200303				52.4	<	0.948			<	0.55
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303	<	0.14		447	<	1.2				6.6
SS2003	M-SMA-11	WT		F	CS	GF0409K200301				94.6	<	0.948				0.79
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		0.12		494	<	0.948				6.2
SS2003	M-SMA-11	WT		F	CS	GF0409K200302				43.6	<	1.5				0.54
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302				44.4		1.88				
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303	<	0.0472		116	<	1.5				2.1
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303				115		1.12				
SS2004	M-SMA-12	WT		F	CS	GF0410K200401				23.5	<	1.5				3.9
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401				22.4	<	0.948				3.99
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401	<	0.11		196	<	1.5				6.6
SS20134	T-SMA-3	WT		F	CS	GF04082013401				507	<	2.2				3.7
SS20134	T-SMA-3	WT		UF	CS	GU04082013401	<	0.083		837	<	2.3				21.1
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401	<	0.0563		857	<	2.04				21.8
SS20134	T-SMA-3	WT		F	CS	GF04082013402				37.6	<	2.9				1.6
SS20134	T-SMA-3	WT		UF	CS	GU04082013402	<	0.067		313	<	1.4				9.4
SS20134	T-SMA-3	WT		F	CS	GF04082013403				38	<	0.948			<	1.8
SS20134	T-SMA-3	WT		UF	CS	GU04082013403	<	0.0472		206	<	0.948				7.3
SS20134	T-SMA-3	WT		F	CS	GF04082013404				20.8	<	0.948				2
SS20134	T-SMA-3	WT		UF	CS	GU04082013404	<	0.0472		829	<	2.1				17.2
SS20134	T-SMA-3	WT		F	CS	GF04082013405				68.1	<	0.948				1.5
SS20134	T-SMA-3	WT		UF	CS	GU04082013405	<	0.0472		342	<	0.948				8.7
SS20136	T-SMA-4	WT		F	CS	GF04082013601				143	<	1.5				2.1
SS20136	T-SMA-4	WT		UF	CS	GU04082013601	<	0.15		320	<	1				8.3
SS20136	T-SMA-4	WT		F	CS	GF04102013601				9.8	<	0.948			<	1.7

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	DUP	GF04102013601										1.78
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		0.29		248	<	0.948				5.3
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		0.167		252	<	0.948				
SS20136	T-SMA-4	WT		F	CS	GF04102013602				10.2	<	0.948			<	1.4
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		0.33		169	<	0.948				4.6
SS20138	T-SMA-5	WT		F	CS	GF0408K201301			<	5.3	<	0.948			<	1.3
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301	<	0.069		1120	<	4.1				32.7
SS20138	T-SMA-5	WT		F	CS	GF0410K201301			<	6.8	<	0.948			<	1.2
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301				730	<	3.4				16.9
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201				363	<	1.9				2.9
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201				373	<	1.94				2.81
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201	<	0.17		2240	<	1.1				49.7
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202				38.7	<	1.7				5
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202				1910	<	2.5				80.5
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202				1960	<	2.28				81.1
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203				106	<	1.1				2.4
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203	<	0.0472		1900	<	0.948				79.6
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204				220	<	1.4				4.2
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204				224	<	0.948				4.18
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		0.66		5250	<	0.948				214
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204				5260	<	1.95				277
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		0.29								
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201				26.5	<	0.948				3.3
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202	<	0.0472		223	<	0.948				10.8
SS205	M-SMA-13	WT		UF	CS	GU04080K20501	<	0.051								
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		0.34								
SS205	M-SMA-13	WT		UF	CS	GU04080K20503	<	0.06								
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		0.055								
SS205	M-SMA-13	WT		UF	CS	GU04090K20501	<	0.0472								
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501	<	0.0472		1810		3.26				31.3
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501				123	<	1.4			<	0.89
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		0.53		486	<	1.8				13.8
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502				12.6	<	0.948			<	1.4

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Hg		Mn		Mo		Ni		Ni	
						Anyl Meth Code	EPA:245.1		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		0.3		730	<	1.6				14.9
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501				4.2	<	0.948			<	0.86
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		0.69		344	<	0.948				10.5
SS2185	CDB-SMA-1	WT		UF	DUP	GU0410K218501										9.94
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502				17.5	<	2.6				2.5
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502	<	0.15		514	<	0.948				13
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801				292	<	1.3				1.4
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801	<	0.43		702	<	2.4				10.2
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801			<	7.9	<	0.948				2.2
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801		0.5		208	<	0.948				4.3
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801		0.439		217	<	0.948				4.45

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101		9.54					<	1		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101	<	0.51	<	0.54	<	2.29			<	0.02
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		22.2	<	0.76	<	2.29			<	0.18
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101	<	0.39	<	1.6	<	2.29			<	0.24
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101	<	0.393	<	1.42	<	2.29			<	0.063
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101		31.5	<	1.4	<	3.5			<	0.11
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101		32.2	<	1.38	<	2.82			<	0.092
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102	<	0.63	<	0.62	<	2.29			<	0.02
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102	<	0.621	<	0.582	<	2.29	<	1	<	0.02
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		15.9	<	0.76	<	4			<	0.27
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		16.5	<	0.777	<	2.29	<	1	<	0.229
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101	<	0.54	<	1.1	<	4.1				0.35
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101		0.544		0.907	<	2.29				0.114
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		16.1	<	1.3	<	2.29				0.26
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		16		1.29	<	2.29				0.167
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201		43.9					<	1		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201		137					<	1.05		
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290		84.3					<	1.4		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201		88.8					<	1		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201		26.7					<	1.3		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202		129					<	1		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203		60.6					<	1		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001	<	0.71		5	<	2.29			<	0.035
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		12.9		4.9	<	2.29			<	0.16

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001		12.8		4.97					<	0.148
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001	<	0.55	<	0.6	<	2.29			<	0.025
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		52.9	<	1.5	<	3.3			<	0.45
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002		0.69	<	0.69	<	2.29			<	0.23
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002	<	0.667	<	0.681	<	2.29			<	0.062
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		73.4	<	2.2	<	2.29				0.58
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003		0.64		9.4	<	5.5			<	0.058
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		21.8	<	1	<	6.1			<	0.22
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302		2.67	<	0.809	<	2.29			<	0.109
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303		4.32					<	1		
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301		0.584	<	0.2	<	2.29			<	0.02
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301						4.02				
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301		0.441	<	0.259	<	2.3			<	0.02
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301		73.4	<	0.817	<	3.49				0.662
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301		0.52		0.69	<	2.29				0.44
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301		0.504		0.706		3.64				0.112
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301		1.6		0.56	<	2.29			<	0.048
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301		1.59		0.547	<	2.29				0.049
E227	MDA G-13	WT		F	CS	GF04080E22701	<	0.31	<	1.3	<	2.29			<	0.35
E227	MDA G-13	WT		F	DUP	GF04080E22701	<	0.315	<	1.23	<	2.29	<	1	<	0.082
E227	MDA G-13	WT		UF	CS	GU04080E22701		75.1	<	1.3	<	2.29				0.81
E227	MDA G-13	WT		UF	DUP	GU04080E22701		80.8	<	1.58	<	2.29	<	1		0.851
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502		16.6		6.41	<	4.55				0.207
E248.5	MDA G-6U	WT		F	CS	GF0407E248501		0.171		9	<	2.3			<	0.02
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501		6.11		8.24	<	2.3			<	0.065

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0409E248501		3.2	<	2.9	<	2.29				0.44
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501		3.12		2.71	<	2.29				0.162
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501		14.9	<	3.8	<	2.29			<	0.33
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501		14.8		3.9		2.91				0.244
E248.5	MDA G-6U	WT		F	CS	GF0410E248501		0.11		8.2	<	2.9			<	0.13
E249	MDA G-4	WT		F	CS	GF04080E24901	<	0.48	<	0.22	<	2.8			<	0.024
E249	MDA G-4	WT		UF	CS	GU04080E24901		37	<	0.37	<	2.29			<	0.25
E249.5	MDA G-7	WT		UF	CS	GU0402E249501		3.62					<	1		
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501		3.71					<	1		
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501		4					<	1.2		
E249.5	MDA G-7	WT		UF	CS	GU0408E249502		18.5					<	1		
E249.5	MDA G-7	WT		UF	CS	GU0408E249503		5.8					<	1		
E249.5	MDA G-7	WT		UF	CS	GU0408E249504	<	1.3					<	1		
E249.5	MDA G-7	WT		UF	CS	GU0408E249505										
E249.5	MDA G-7	WT		UF	CS	GU0409E249501										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501	<	0.29	<	0.34			<	1	<	0.02
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		209	<	0.67			<	2.6		1.1
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401	<	1.9	<	1.5			<	1.9		0.25
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401	<	1.84	<	1.37			<	1.42	<	0.078
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		271	<	1.2			<	1.6		1.5
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402	<	0.36	<	1.1			<	1	<	0.14
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402	<	0.354	<	1.06			<	1	<	0.031
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		540	<	0.61			<	1		3.2
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403		0.76	<	1.1			<	1	<	0.022
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		181		2.1			<	1		1.4
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		186	<	1.94			<	1		1.33
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401	<	0.83	<	1.1			<	2		0.032
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		173	<	0.48			<	1		1.2
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501	<	0.22	<	1.4			<	1	<	0.073
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		9.6	<	3.2			<	1.2	<	0.054
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502	<	0.42	<	2.2			<	1	<	0.025
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		13.6		6.6			<	1	<	0.11

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503	<	0.45		5.2			<	1	<	0.044
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		33.6		5.2			<	1	<	0.17
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503		32.9		5.03			<	1	<	0.157
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504		0.43		7.7			<	1.2	<	0.054
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		28.1		8			<	1		0.19
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601	<	0.73	<	0.31			<	1	<	0.02
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		105	<	1.4			<	1	<	0.36
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602		0.35	<	0.43			<	1	<	0.033
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		20.5	<	0.91			<	1		0.12
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601		0.48	<	0.35			<	1	<	0.1
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		33	<	1.2			<	1	<	0.2
SS0266	LA-SMA-3	WT		UF	DUP	GU0409K026601										
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601		0.75	<	0.38				1.1	<	0.02
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		25.7	<	0.82			<	1	<	0.02
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701	<	0.26	<	0.7			<	1.6	<	0.094
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701		74.9	<	1.3			<	2		1.2
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701		74.4	<	1.33			<	1.27		1.32
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702	<	0.28	<	0.68			<	1	<	0.05
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		148	<	1.8			<	1		1.8
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703	<	0.44	<	0.46			<	1	<	0.027
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		265	<	0.88			<	1.2		3.7
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701	<	0.17	<	0.45			<	1.1		0.057
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701										
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		50.2	<	1.2				2.2		0.85
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801	<	1.2	<	0.49			<	1	<	0.022
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		329	<	0.92			<	1.3		1.4
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801										
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901		4.1	<	0.86			<	1	<	0.093
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901		210	<	1.5			<	1.6		1.4
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901		3	<	0.61			<	1		0.4
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901		2.95		0.501			<	1		0.181
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		405	<	1.3				2.9		4
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901		407		1.04				1.69		4.11

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701		75.1					<	1		
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		105					<	1		
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		78.4					<	1		
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501		44.2					<	1		
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502		17.6					<	1		
SS067	B-SMA-1	WT		F	CS	GF04080K06701		2.8	<	0.2			<	1	<	0.02
SS067	B-SMA-1	WT		UF	CS	GU04080K06701		100	<	0.2			<	1		0.78
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701		101	<	0.2			<	1		0.737
SS067	B-SMA-1	WT		F	CS	GF04080K06702		2.1	<	0.39			<	1	<	0.29
SS067	B-SMA-1	WT		F	DUP	GF04080K06702							<	1		
SS067	B-SMA-1	WT		UF	CS	GU04080K06702		262	<	0.75			<	1		1.5
SS067	B-SMA-1	WT		UF	DUP	GU04080K06702							<	1		
SS067	B-SMA-1	WT		F	CS	GF04080K06703		3.2	<	0.61			<	1	<	0.044
SS067	B-SMA-1	WT		UF	CS	GU04080K06703		2.6	<	0.23			<	1	<	0.026
SS067	B-SMA-1	WT		F	CS	GF04080K06704		0.54	<	0.31			<	1	<	0.02
SS067	B-SMA-1	WT		UF	CS	GU04080K06704		217	<	0.76			<	1.2	<	1.4
SS067	B-SMA-1	WT		F	CS	GF04080K06705		3.7	<	0.37			<	1		0.12
SS067	B-SMA-1	WT		UF	CS	GU04080K06705		304	<	0.66			<	1		1.6
SS12292	S-SMA-3	WT		F	CS	GF0408K122901	<	0.82	<	0.2			<	1	<	0.029
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901		286	<	0.8			<	3		2.5
SS12292	S-SMA-3	WT		F	CS	GF0409K122901		0.57	<	0.39			<	1	<	0.022
SS12292	S-SMA-3	WT		F	DUP	GF0409K122901		0.568		0.383				1.46	<	0.02
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901		87	<	0.72			<	1		0.87
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901		89.8		0.858				1.2		0.897
SS1238	S-SMA-4	WT		F	CS	GF0408K123801	<	0.29	<	0.2			<	1	<	0.28
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801	<	0.269	<	0.2	<	2.29	<	1	<	0.066
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		126	<	0.97			<	1.1		0.5
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										
SS1238	S-SMA-4	WT		F	CS	GF0408K123802	<	0.37	<	0.62			<	1	<	0.02
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		58.9	<	0.89			<	1	<	0.24
SS1238	S-SMA-4	WT		F	CS	GF0408K123803	<	0.59	<	0.68			<	1	<	0.02
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803		111	<	0.93			<	1	<	0.46
SS1238	S-SMA-4	WT		F	CS	GF0408K123804	<	0.4	<	0.53			<	1	<	0.022

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		16.2	<	0.43			<	2	<	0.095
SS1245	S-SMA-5	WT		F	CS	GF0408K124501	<	1.3	<	0.2			<	1	<	0.032
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501		216	<	0.55			<	2		1.5
SS1248	S-SMA-6	WT		UF	CS	GU0408K124801										
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		1450					<	2.8		
SS198	M-SMA-1	WT		F	CS	GF04080K19801	<	0.12	<	0.61			<	1.6	<	0.02
SS198	M-SMA-1	WT		UF	CS	GU04080K19801		31.2	<	0.77			<	1		0.19
SS198	M-SMA-1	WT		F	CS	GF04080K19802		0.11	<	0.5			<	1	<	0.02
SS198	M-SMA-1	WT		UF	CS	GU04080K19802		23.5	<	0.83			<	1	<	0.11
SS198	M-SMA-1	WT		F	CS	GF04080K19803		0.43	<	0.54			<	1		0.27
SS198	M-SMA-1	WT		F	DUP	GF04080K19803	<	0.436	<	0.543		4.16	<	1	<	0.068
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		9.6	<	0.88			<	1	<	0.059
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803		9.6	<	0.955	<	2.29	<	1	<	0.062
SS198	M-SMA-1	WT		F	CS	GF04090K19801	<	0.1	<	0.33			<	2	<	0.02
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		8.3	<	0.57			<	2.1		0.06
SS1984	M-SMA-2	WT		F	CS	GF0408K198401	<	1.6	<	0.2			<	1	<	0.02
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		101	<	0.54			<	1		0.92
SS1984	M-SMA-2	WT		F	CS	GF0408K198402	<	0.71	<	0.32			<	1	<	0.02
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		42.4	<	0.5			<	1	<	0.43
SS1985	M-SMA-3	WT		F	CS	GF0408K198501	<	0.53	<	0.2			<	1	<	0.02
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		70	<	0.58			<	1		0.51
SS1985	M-SMA-3	WT		F	CS	GF0408K198502	<	0.46	<	0.51			<	1	<	0.02
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		57.3	<	0.73			<	1.2	<	0.41
SS1985	M-SMA-3	WT		F	CS	GF0409K198501		0.51	<	0.52			<	2.1	<	0.16
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		33.8	<	0.58			<	1	<	0.33
SS1987	M-SMA-4	WT		F	CS	GF0408K198701	<	1.6	<	0.2			<	1	<	0.02
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		27.1	<	0.2			<	1	<	0.13
SS1987	M-SMA-4	WT		F	CS	GF0408K198702		0.83	<	0.41			<	1	<	0.29
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702	<	0.812					<	1	<	0.071
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		165	<	0.99			<	1.7		0.89
SS1987	M-SMA-4	WT		F	CS	GF0408K198703	<	2	<	0.74			<	1	<	0.25
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703		2.11	<	0.717			<	1	<	0.083
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		15.3	<	0.59			<	1	<	0.11

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		F	CS	GF0409K198701		1.2	<	0.46			<	2.2	<	0.084
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701		1.1		0.366				1.78		0.077
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701		42.8	<	0.45			<	2.2	<	0.44
SS1987	M-SMA-4	WT		F	CS	GF0410K198701		3.9	<	0.57				2		0.39
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701		3.93		0.545			<	1		0.143
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701		5.8	<	0.35			<	1	<	0.16
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701		6.33		0.384			<	1		0.115
SS199	M-SMA-5	WT		F	CS	GF04080K19901	<	0.44	<	0.51			<	1	<	0.02
SS199	M-SMA-5	WT		UF	CS	GU04080K19902										
SS199	M-SMA-5	WT		F	CS	GF04080K19902	<	0.86	<	0.44			<	1	<	0.028
SS199	M-SMA-5	WT		UF	CS	GU04080K19903		119	<	0.65			<	1		0.52
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903		119	<	0.788			<	1		0.534
SS199	M-SMA-5	WT		F	CS	GF04090K19901		0.65	<	0.37			<	1.5		0.38
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		112	<	0.69			<	1		0.53
SS199	M-SMA-5	WT		F	CS	GF04100K19901		0.56	<	0.2				1.5		0.11
SS199	M-SMA-5	WT		F	DUP	GF04100K19901										
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		101	<	0.33			<	1		0.21
SS199	M-SMA-5	WT		UF	CS	GU04100K19902		25.5	<	0.2			<	1	<	0.11
SS1991	M-SMA-6	WT		F	CS	GF0408K199101	<	0.29	<	0.36			<	1	<	0.02
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		90.9	<	0.61			<	1		0.39
SS1991	M-SMA-6	WT		F	CS	GF0408K199102	<	0.67	<	0.78			<	1	<	0.22
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102	<	0.634	<	0.65			<	1	<	0.071
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		8.2	<	0.75			<	1	<	0.12
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102		7.99	<	0.711			<	1.02	<	0.093
SS1991	M-SMA-6	WT		F	CS	GF0408K199103		0.68	<	0.46			<	1	<	0.24
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103	<	0.716	<	0.451			<	1	<	0.044
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		69.1	<	1			<	1	<	0.32
SS1991	M-SMA-6	WT		F	CS	GF0408K199104		0.72	<	0.63			<	1	<	0.03
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		29.6	<	0.89			<	1		0.24
SS2001	M-SMA-9	WT		F	CS	GF0408K200101	<	0.96	<	0.25			<	1	<	0.02
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101		16.9	<	0.25			<	1	<	0.18
SS2001	M-SMA-9	WT		F	CS	GF0408K200102	<	0.46	<	0.2			<	1	<	0.02
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		14.8	<	0.2			<	1	<	0.12

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		F	CS	GF0409K200101	<	0.72	<	0.2			<	1.2	<	0.02
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101		53.6	<	0.32			<	1		0.22
SS2001	M-SMA-9	WT		F	CS	GF0409K200102	<	0.21	<	0.2			<	1	<	0.084
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		18.1	<	0.23			<	1	<	0.16
SS2003	M-SMA-11	WT		F	CS	GF0408K200301	<	0.36	<	0.29			<	1	<	0.02
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301	<	1.5	<	0.2			<	1	<	0.02
SS2003	M-SMA-11	WT		F	CS	GF0408K200302	<	0.37	<	0.2			<	1	<	0.02
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302		19.3	<	0.2			<	1	<	0.074
SS2003	M-SMA-11	WT		F	CS	GF0408K200303	<	0.33	<	0.27			<	1	<	0.027
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		26.5	<	0.28			<	1	<	0.2
SS2003	M-SMA-11	WT		F	CS	GF0409K200301	<	0.32	<	0.22			<	1.3	<	0.02
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		26.1	<	0.27			<	1.9		0.15
SS2003	M-SMA-11	WT		F	CS	GF0409K200302	<	0.33	<	0.21			<	1	<	0.036
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302										
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		4.8	<	0.2			<	1.5	<	0.022
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303										
SS2004	M-SMA-12	WT		F	CS	GF0410K200401		2.9	<	0.4			<	2	<	0.43
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401		2.59	<	0.377			<	1	<	0.118
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		19.8	<	0.28			<	1.5	<	0.081
SS20134	T-SMA-3	WT		F	CS	GF04082013401		3.2	<	0.53			<	1	<	0.02
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		76.8	<	2.2			<	1		0.61
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		76.7		2.27			<	1		0.59
SS20134	T-SMA-3	WT		F	CS	GF04082013402		0.75	<	0.68			<	1	<	0.026
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		34.2	<	1			<	1	<	0.26
SS20134	T-SMA-3	WT		F	CS	GF04082013403	<	0.79	<	1.3			<	1	<	0.02
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		25	<	1.5			<	1	<	0.21
SS20134	T-SMA-3	WT		F	CS	GF04082013404	<	1.2	<	0.78			<	1	<	0.02
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		64.5	<	0.87			<	1		0.53
SS20134	T-SMA-3	WT		F	CS	GF04082013405		0.56	<	1			<	1	<	0.02
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		30	<	1.2			<	1.5		0.27
SS20136	T-SMA-4	WT		F	CS	GF04082013601		2.7	<	0.27			<	1	<	0.033
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		26	<	0.43			<	1	<	0.2
SS20136	T-SMA-4	WT		F	CS	GF04102013601		0.84	<	0.2			<	1	<	0.02

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	DUP	GF04102013601		0.829	<	0.2			<	1	<	0.02
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		19.5	<	0.2			<	1	<	0.02
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601										
SS20136	T-SMA-4	WT		F	CS	GF04102013602	<	1.7	<	0.41			<	1.1	<	0.02
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		12.3	<	0.34			<	1	<	0.073
SS20138	T-SMA-5	WT		F	CS	GF0408K201301	<	0.52	<	0.22			<	1	<	0.02
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301		61.5	<	0.68			<	1.9		0.87
SS20138	T-SMA-5	WT		F	CS	GF0410K201301	<	0.43	<	0.2			<	1	<	0.02
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		35.8	<	0.43			<	1	<	0.46
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201	<	0.93	<	0.49			<	1	<	0.24
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201	<	0.891	<	0.351			<	1	<	0.046
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		91.8	<	0.49			<	1.8		0.73
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202		1	<	0.53			<	1	<	0.024
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202		103	<	0.62			<	1.3	<	1.9
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202		105					<	1.46		1.91
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203	<	0.53	<	0.25			<	1	<	0.037
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		92.7	<	0.44			<	1		1.6
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204		3.2	<	0.42			<	1	<	0.31
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204		3.36	<	0.361			<	1	<	0.137
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		262	<	0.66			<	1		4.8
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204		327	<	0.66			<	1		6.52
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201										
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201	<	0.9	<	0.49			<	1.6	<	0.02
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202		11.5	<	0.2			<	1	<	0.18
SS205	M-SMA-13	WT		UF	CS	GU04080K20501		127					<	1.2		
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		217					<	2.9		
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		255					<	1		
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		159					<	1.1		
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		106					<	2.1		
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501		103		0.538				2.03		1.23
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501	<	0.65	<	0.34			<	1	<	0.023
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		63.3	<	0.84			<	1	<	0.31
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502	<	0.95	<	0.44			<	1	<	0.02

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	Pb		Sb		Se		Se		Tl	
						Anyl Meth Code	EPA:200.8		EPA:200.8		EPA:200.7		EPA:200.8		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		68.3	<	0.77			<	1	<	0.29
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501		1.1	<	0.25			<	1	<	0.02
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		47.6	<	0.49			<	1	<	0.02
SS2185	CDB-SMA-1	WT		UF	DUP	GU0410K218501		44.8		0.451			<	1	<	0.02
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502		3.7	<	0.54			<	1	<	0.051
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		57.2	<	0.69			<	2.2	<	0.26
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801	<	0.57	<	0.2			<	1	<	0.02
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		30.4	<	0.2			<	1.2	<	0.22
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801	<	0.073	<	0.32			<	2.1	<	0.02
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801		9.8	<	0.26			<	2	<	0.19
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801		9.58	<	0.242			<	1	<	0.133

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101	<	0.046	<	3.2		13.8		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		0.73		21.6		196		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101	<	0.045	<	2.2		18.9		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101	<	0.04	<	2.45		18.6		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101		0.68		19.6		371		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101		0.657		17		357		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102	<	0.043	<	4.7		10.6		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102	<	0.046	<	4.14		11.4		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		0.74		13.8		182		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		0.778		15.1		192		
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101		0.14	<	7.1		36.5		
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101		0.108		7.6		36		
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		0.78		18.5		101		
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		0.665		17.7		100		
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201								
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202								
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001	<	0.14	<	3.3		9.9		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		0.95		13.8		95.1		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001		0.941						
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001	<	0.079	<	1.6		12		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		3.3		35.4		350		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002	<	0.093	<	1.9		12.2		
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002	<	0.091	<	1.46		13.2		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		6.2		48.5		468		
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003	<	0.15	<	2.6		12.7		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		1.2		16.5		148		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302		0.211		4.94		147		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303								
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301		0.057		2.51		42.3		
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301				1.61		39.7		
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301	<	0.063	<	1.78		9.56		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301		8.15		83.4		665		
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301	<	0.24	<	3		1630		
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301		0.147		1.71		1610		
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301	<	0.21	<	3		1820		
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301		0.198		3.21		1830		
E227	MDA G-13	WT		F	CS	GF04080E22701		0.3	<	3.9	<	6.6		
E227	MDA G-13	WT		F	DUP	GF04080E22701		0.302	<	4.49		6.56		
E227	MDA G-13	WT		UF	CS	GU04080E22701		9.1		108		758		
E227	MDA G-13	WT		UF	DUP	GU04080E22701		10.3		108		777		
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502		1.5		22.2		162		
E248.5	MDA G-6U	WT		F	CS	GF0407E248501	<	0.051	<	1.55		5.94		
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501		0.585		9.15		73.1		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E248.5	MDA G-6U	WT		F	CS	GF0409E248501		0.29	<	3.2		13.3		
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501		0.278		3.57		13.7		
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501		1.2		16.3		147		
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501		1.27		15.8		144		
E248.5	MDA G-6U	WT		F	CS	GF0410E248501		0.047		1.6		13.6		
E249	MDA G-4	WT		F	CS	GF04080E24901	<	0.12	<	2.4		20.8		
E249	MDA G-4	WT		UF	CS	GU04080E24901		2.4		9.9		79.4		
E249.5	MDA G-7	WT		UF	CS	GU0402E249501								
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501								74.6
E249.5	MDA G-7	WT		UF	CS	GU0406E249501								
E249.5	MDA G-7	WT		UF	CS	GU0407E249501								
E249.5	MDA G-7	WT		UF	CS	GU0408E249502								
E249.5	MDA G-7	WT		UF	CS	GU0408E249503								
E249.5	MDA G-7	WT		UF	CS	GU0408E249504								
E249.5	MDA G-7	WT		UF	CS	GU0408E249505								
E249.5	MDA G-7	WT		UF	CS	GU0409E249501								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501			<	3.6		8.8		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501				242		745		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401				11.7		13.8		
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401				11.7		6.94		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401				239		1060		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402				6	<	1.9		
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402				6.83	<	1.75		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402				398		1280		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403				8.3		11.1		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403				172		544		
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403				162		529		
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401				5.1		4.5		
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401				206		717		
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501			<	2.5		30.3		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501				6.3		113		
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502			<	1.9		17.3		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502				6.7		111		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503			<	2.4		8.4		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503				16.2		191		
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504				1.2		15.2		
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504				12.9		174		
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601			<	0.93		7.6		
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601				33.3		422		
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602				1.7		12.6		
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602				9		101		
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601				2.3		23.4		
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601				7.7		215		
SS0266	LA-SMA-3	WT		UF	DUP	GU0409K026601								
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601				1.9		21		
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601				14.7		163		
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701			<	2		24.7		
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701				39.3		511		
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701				44.1		543		
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702			<	2.3		28.2		
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702				73		1120		
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703			<	3.3		15.7		
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703				48.1		899		
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701			<	0.732		19.8		
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701				1.77		19.7		
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701				24.3		420		
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801			<	4.4	<	3.5		
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801				139		661		
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801				152		714		
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901			<	4.5		34.7		
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901				76.3		555		
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901			<	0.732		32.1		
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901				0.904		17.9		
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901				87.7		756		
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901				77.5		685		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701								
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501								
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502								
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501								
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502								
SS067	B-SMA-1	WT		F	CS	GF04080K06701				8.2		15.4		
SS067	B-SMA-1	WT		UF	CS	GU04080K06701				60.6		140		
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701								
SS067	B-SMA-1	WT		F	CS	GF04080K06702			<	1.3	<	8.4		
SS067	B-SMA-1	WT		F	DUP	GF04080K06702								
SS067	B-SMA-1	WT		UF	CS	GU04080K06702				132		411		
SS067	B-SMA-1	WT		UF	DUP	GU04080K06702								
SS067	B-SMA-1	WT		F	CS	GF04080K06703			<	4	<	12.8		
SS067	B-SMA-1	WT		UF	CS	GU04080K06703			<	2.7	<	9		
SS067	B-SMA-1	WT		F	CS	GF04080K06704			<	2.3	<	4.5		
SS067	B-SMA-1	WT		UF	CS	GU04080K06704				130		331		
SS067	B-SMA-1	WT		F	CS	GF04080K06705				2.3		7		
SS067	B-SMA-1	WT		UF	CS	GU04080K06705				190		537		
SS12292	S-SMA-3	WT		F	CS	GF0408K122901			<	1.9		23.6		
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901				205		2110		
SS12292	S-SMA-3	WT		F	CS	GF0409K122901			<	2.4		9.8		
SS12292	S-SMA-3	WT		F	DUP	GF0409K122901								
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901				76.7		511		
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901								
SS1238	S-SMA-4	WT		F	CS	GF0408K123801			<	0.732		19.7		
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801			<	0.732		19.7		
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801				64.2		1640		
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801								
SS1238	S-SMA-4	WT		F	CS	GF0408K123802			<	3.7		62.1		
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802				29.8		812		
SS1238	S-SMA-4	WT		F	CS	GF0408K123803				6.5		36		
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803				49.9		1150		
SS1238	S-SMA-4	WT		F	CS	GF0408K123804				8.5		21.3		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804				17.9		209		
SS1245	S-SMA-5	WT		F	CS	GF0408K124501				7.9		33.8		
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501				94.5		966		
SS1248	S-SMA-6	WT		UF	CS	GU0408K124801								
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802								
SS198	M-SMA-1	WT		F	CS	GF04080K19801				7.1		44.5		
SS198	M-SMA-1	WT		UF	CS	GU04080K19801				26.6		322		
SS198	M-SMA-1	WT		F	CS	GF04080K19802			<	1.7		46.7		
SS198	M-SMA-1	WT		UF	CS	GU04080K19802				13.8		185		
SS198	M-SMA-1	WT		F	CS	GF04080K19803				2		42.8		
SS198	M-SMA-1	WT		F	DUP	GF04080K19803		0.049	<	2.58		42.7		
SS198	M-SMA-1	WT		UF	CS	GU04080K19803				8.1		133		
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803		0.306		8.86		140		
SS198	M-SMA-1	WT		F	CS	GF04090K19801				3.1		84		
SS198	M-SMA-1	WT		UF	CS	GU04090K19801				8.7		177		
SS1984	M-SMA-2	WT		F	CS	GF0408K198401			<	3.2		17.3		
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401				116		483		
SS1984	M-SMA-2	WT		F	CS	GF0408K198402			<	2.9		8.5		
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402				44.8		184		
SS1985	M-SMA-3	WT		F	CS	GF0408K198501			<	1.8		29.3		
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501				56.4		635		
SS1985	M-SMA-3	WT		F	CS	GF0408K198502			<	2.5		14.8		
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502				48.4		606		
SS1985	M-SMA-3	WT		F	CS	GF0409K198501			<	2.1		10.9		
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501				28.8		305		
SS1987	M-SMA-4	WT		F	CS	GF0408K198701			<	3.9		14.5		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701				19.7		129		
SS1987	M-SMA-4	WT		F	CS	GF0408K198702			<	2.8	<	5		
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702			<	3.12		5.8		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702				97.1		279		
SS1987	M-SMA-4	WT		F	CS	GF0408K198703				11.8		36.8		
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703				11.9		36.5		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703				20.8		88		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS1987	M-SMA-4	WT		F	CS	GF0409K198701			<	4		9.5		
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701				3.98		9.12		
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701				13.5		72.9		
SS1987	M-SMA-4	WT		F	CS	GF0410K198701				9.8		37.1		
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701				10.4		36.3		
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701				11.1		46.8		
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701				10.3		47.6		
SS199	M-SMA-5	WT		F	CS	GF04080K19901			<	0.94		17.5		
SS199	M-SMA-5	WT		UF	CS	GU04080K19902								
SS199	M-SMA-5	WT		F	CS	GF04080K19902			<	1.6		11		
SS199	M-SMA-5	WT		UF	CS	GU04080K19903				56.8		383		
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903				57.7		386		
SS199	M-SMA-5	WT		F	CS	GF04090K19901			<	2	<	6.7		
SS199	M-SMA-5	WT		UF	CS	GU04090K19902				49		319		
SS199	M-SMA-5	WT		F	CS	GF04100K19901				1.4		9.6		
SS199	M-SMA-5	WT		F	DUP	GF04100K19901				1.16		5.43		
SS199	M-SMA-5	WT		UF	CS	GU04100K19901				39.2		275		
SS199	M-SMA-5	WT		UF	CS	GU04100K19902				12.3		75.9		
SS1991	M-SMA-6	WT		F	CS	GF0408K199101			<	1.2		20.6		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101				64.3		688		
SS1991	M-SMA-6	WT		F	CS	GF0408K199102			<	2.2		69.5		
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102			<	2.95		67.3		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102				8.7		160		
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102				8.72		159		
SS1991	M-SMA-6	WT		F	CS	GF0408K199103			<	1.6		17		
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103			<	1.47		16.7		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103				41.3		507		
SS1991	M-SMA-6	WT		F	CS	GF0408K199104				0.76		48.8		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104				25.5		259		
SS2001	M-SMA-9	WT		F	CS	GF0408K200101			<	2		11.4		
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101				11.9		53.7		
SS2001	M-SMA-9	WT		F	CS	GF0408K200102			<	0.732		11.1		
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102				13		56.9		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2001	M-SMA-9	WT		F	CS	GF0409K200101				0.93		8.9		
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101				65.1		258		
SS2001	M-SMA-9	WT		F	CS	GF0409K200102			<	1.1	<	3.4		
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102				12		46.8		
SS2003	M-SMA-11	WT		F	CS	GF0408K200301			<	0.732		9.3		
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301			<	0.83		12.6		
SS2003	M-SMA-11	WT		F	CS	GF0408K200302			<	0.732		8.6		
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302				12.2		69.3		
SS2003	M-SMA-11	WT		F	CS	GF0408K200303			<	0.732	<	7.3		
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303				13.2		72.8		
SS2003	M-SMA-11	WT		F	CS	GF0409K200301			<	0.732		5		
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301				14.6		81.1		
SS2003	M-SMA-11	WT		F	CS	GF0409K200302			<	1.6	<	6.6		
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302				1.58		6.11		
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303			<	5.5		20.9		
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303				4.92		21		
SS2004	M-SMA-12	WT		F	CS	GF0410K200401			<	4.9		34.7		
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401				5.46		34.1		
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401				14.7		94.1		
SS20134	T-SMA-3	WT		F	CS	GF04082013401			<	4		60.4		
SS20134	T-SMA-3	WT		UF	CS	GU04082013401				38.1		414		
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401				37.8		421		
SS20134	T-SMA-3	WT		F	CS	GF04082013402			<	3.4		32.4		
SS20134	T-SMA-3	WT		UF	CS	GU04082013402				24.1		203		
SS20134	T-SMA-3	WT		F	CS	GF04082013403			<	2.7		27.1		
SS20134	T-SMA-3	WT		UF	CS	GU04082013403				16.1		144		
SS20134	T-SMA-3	WT		F	CS	GF04082013404			<	2.2		23.5		
SS20134	T-SMA-3	WT		UF	CS	GU04082013404				47.7		406		
SS20134	T-SMA-3	WT		F	CS	GF04082013405				1.6		26.5		
SS20134	T-SMA-3	WT		UF	CS	GU04082013405				23.5		206		
SS20136	T-SMA-4	WT		F	CS	GF04082013601			<	4.1		24.9		
SS20136	T-SMA-4	WT		UF	CS	GU04082013601				17.8		104		
SS20136	T-SMA-4	WT		F	CS	GF04102013601				1.5		10.3		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS20136	T-SMA-4	WT		F	DUP	GF04102013601								
SS20136	T-SMA-4	WT		UF	CS	GU04102013601				13.5		82.3		
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601				13.7		83		
SS20136	T-SMA-4	WT		F	CS	GF04102013602			<	3.5		14.2		
SS20136	T-SMA-4	WT		UF	CS	GU04102013602				12.6		53.9		
SS20138	T-SMA-5	WT		F	CS	GF0408K201301			<	2.2	<	6.3		
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301				52.4		395		
SS20138	T-SMA-5	WT		F	CS	GF0410K201301			<	1.8		3		
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301				34.9		121		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201			<	4.9		20		
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201			<	4.91		19.5		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201				137		200		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202				6.3		16.9		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202				150		246		
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202				161		266		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203			<	3.8		5.4		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203				157		280		
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204				9.4	<	14.5		
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204				8.88		14.3		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204				315		667		
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204				375		733		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201								
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201			<	4.8		13.1		
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202				33.4		56.1		
SS205	M-SMA-13	WT		UF	CS	GU04080K20501								
SS205	M-SMA-13	WT		UF	CS	GU04080K20502								
SS205	M-SMA-13	WT		UF	CS	GU04080K20503								
SS205	M-SMA-13	WT		UF	CS	GU04080K20504								
SS205	M-SMA-13	WT		UF	CS	GU04090K20501								
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501				84.3		216		
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501			<	1.5		23.5		
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501				30.2		257		
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502			<	2.5		22.2		

Table 6. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Metals

						Analyte	U		V		Zn		Zn	
						Anyl Meth Code	EPA:200.8		EPA:200.7		EPA:200.7		EPA:200.8	
						Std Uom	ug/L		ug/L		ug/L		ug/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502				47.2		354		
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501				2.3		19.6		
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501				23.8		204		
SS2185	CDB-SMA-1	WT		UF	DUP	GU0410K218501								
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502				7.5		42.3		
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502				37.8		250		
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801			<	1.5		17.5		
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801				20.9		189		
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801			<	1.6		12.2		
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801				9.3		75.4		
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801				10.3		78.5		

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101				5.03		16.4		2.74		0.929
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101				4.59		14.3		2.67		0.701
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102				4.2		13.2		2.16		0.651
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101				6.7		27.6		3.97		2.64
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101				4.59				2.65		0.69
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102				4.15				2.17		0.663
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101				6.63				4.01		2.64
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101				8.19		34.7		5.75		3.46
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101				9.34		36.7		5.31		3.24
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102				9.37		35.3		5.72		2.9
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101				8.65		42		6.32		4.96
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101				8.97				4.88		2.92
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102				9.58				5.84		3
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101				8.59				6.24		4.93
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202										28.4
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203										17.7
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0407E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0408E122203										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001				6.32		20.7		4.3		1.2
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001				5.87		18.1		3.07		0.832
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002				4.19		13.4		2.76		0.718
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003				5.9		19.6		4.3		1.18
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002				4.17				2.72		0.691
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001				8.26		32		6.79		2.76
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001				13.8		57.7		9.75		5.63
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002				17.2		72.4		11.4		7.14
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003				10.6		41.1		7.99		3.53
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20003										
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301				3.97		11.7		3.83		0.435
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301				2.7		8.75		2.98		0.486
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301				7.93		23		3.38		0.773
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301				3.8				3.68		0.421
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301				7.83				3.36		0.744
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302				6.55		20.2		8.51		0.935
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303										
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301				20.5		91.8		15.3		9.85
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301				8.07		23.5		3.48		0.824
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303										
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301				8.17				3.64		0.929
E227	MDA G-13	WT		F	CS	GF04080E22701				11.7		44.4		4.49		3.67
E227	MDA G-13	WT		F	DUP	GF04080E22701				11.6				4.42		3.61
E227	MDA G-13	WT		UF	CS	GU04080E22701				40.9		216		20.5		27.8
E227	MDA G-13	WT		UF	DUP	GU04080E22701				43.2				20.7		28.5
E227	MDA G-13	WT				FN04080E22701										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0407E248501				6.48		25.2		2.54		2.18
E248.5	MDA G-6U	WT		F	CS	GF0409E248501				3.47		11.2		1.85		0.617
E248.5	MDA G-6U	WT		F	CS	GF0410E248501				4.55		17.4		1.78		1.47
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501				3.58				1.93		0.639
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502				7.46		38.9		6.83		4.93
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501				7.13		33.4		5.04		3.78
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501				5.69		24		3.94		2.37
E248.5	MDA G-6U	WT		UF	CS	GU0410E248501										
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501				5.64				3.84		2.34
E248.5	MDA G-6U	WT				FN0408E248501										
E249	MDA G-4	WT		F	CS	GF04080E24901				5.12		17.6		3.9		1.18
E249	MDA G-4	WT		UF	CS	GU04080E24901				10.7		38.5		5.22		2.84
E249	MDA G-4	WT				FN04080E24901										
E249.5	MDA G-7	WT		UF	CS	GU0402E249501										
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501										
E249.5	MDA G-7	WT		UF	CS	GU0408E249502										
E249.5	MDA G-7	WT		UF	CS	GU0408E249503										1.83
E249.5	MDA G-7	WT		UF	CS	GU0408E249504										1.09
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501										
E249.5	MDA G-7	WT				FN0408E249501										
E249.5	MDA G-7	WT				FN0408E249502										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501				14.3				2.31		2.18
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401				7.1				2.78		1.16
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402				9.92				2.99		1.03
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403				18.9				4.72		1.71
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401				14.1				3.95		1.31
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401				6.91				2.69		1.14
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402				9.73				2.92		1.02
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501				103				17.7		25.2
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401				81.2				21.5		28.8
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402				268				37.2		55.9
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403				72.5				19.3		22.5
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401				81.2				21.7		24.1
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403				71.1				18.5		21.3
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501				5.08				2.14		0.542
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502				6.3				2.29		0.655
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503				4.41				2		0.476
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504				8.34				2.34		0.887
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501				5.91				2.83		1.14
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502				7.9				3.19		1.39
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503				8.8				4.44		2.31
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504				13.4				5.37		2.97
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026501										
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503										
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601				3.7				1.37		0.327
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602				9.13				2.88		0.902
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601				7.84				2.76		0.679
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601				9.28				2.72		0.911
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601				22.1				8.05		4.93
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602				10.6				4.31		2.01
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601				11.8				3.95		1.75
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601				11.9				5.09		2.58

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601										
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701				12				2.12		0.809
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702				9.89				1.96		0.707
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703				7.27				1.7		0.6
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701				8.4				1.64		0.574
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701				8.62				1.66		0.591
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701				21.5				7.46		5.95
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702				38.3				12.9		12.3
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703				41.1				11.6		7.81
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701				16.9				6.29		4.05
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026703										
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701				22.6				8.24		6.65
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702										
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701										
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801				6.55				2.96		0.778
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801				53.2				15.9		16.4
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801				54.5				17.6		18
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901				9.36				6.77		1.87
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901				8.35				5.34		1.52
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901				8.23				5.13		1.5
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901				26.7				20.6		10.7
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901				40.6				27.3		15.5
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901				39				25.5		13.9
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701										3.33
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501										
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502										29
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501										22.8
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502										11.3
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502										
SS0385	DP-SMA-1	WT		UF	DUP	GU0410K038501										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS067	B-SMA-1	WT		F	CS	GF04080K06701				4.25				5.98		1.2
SS067	B-SMA-1	WT		F	CS	GF04080K06702				2.29				4.39		0.66
SS067	B-SMA-1	WT		F	CS	GF04080K06703				2.55				4.85		0.97
SS067	B-SMA-1	WT		F	CS	GF04080K06704				2.72				5		0.669
SS067	B-SMA-1	WT		F	CS	GF04080K06705				2.84				4.78		0.812
SS067	B-SMA-1	WT		UF	CS	GU04080K06701				8.59				14.8		6.86
SS067	B-SMA-1	WT		UF	CS	GU04080K06702				17.1				21.7		16.5
SS067	B-SMA-1	WT		UF	CS	GU04080K06703				2.41				4.7		0.783
SS067	B-SMA-1	WT		UF	CS	GU04080K06704				19.4				20.7		15.9
SS067	B-SMA-1	WT		UF	CS	GU04080K06705				24.6				31.2		23.9
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701										
SS067	B-SMA-1	WT		UF	DUP	GU04080K06704										
SS12292	S-SMA-3	WT		F	CS	GF0408K122901				9.78				2.27		0.97
SS12292	S-SMA-3	WT		F	CS	GF0409K122901				4.38				1.49		0.507
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901				45.4				24.9		28.5
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901				20.1				12.1		11.5
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901										
SS1238	S-SMA-4	WT		F	CS	GF0408K123801				15.5				4.71		2.71
SS1238	S-SMA-4	WT		F	CS	GF0408K123802				9.38				3.08		1.47
SS1238	S-SMA-4	WT		F	CS	GF0408K123803				11.5				3.92		2.42
SS1238	S-SMA-4	WT		F	CS	GF0408K123804				10.8				3.11		2.52
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801				15.9				4.81		2.78
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801				27.5				14.4		9.69
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802				15.3				8.14		4.99
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803				34.3				10.4		8.21
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804				14.3				4.99		4.16
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123804										
SS1245	S-SMA-5	WT		F	CS	GF0408K124501				11.7				9.11		2.7
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501				32.4				21.3		13.4
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802										9.39

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS198	M-SMA-1	WT		F	CS	GF04080K19801				16.1				6.19		3.66
SS198	M-SMA-1	WT		F	CS	GF04080K19802				6.69				1.75		0.726
SS198	M-SMA-1	WT		F	CS	GF04080K19803				5.64				2.18		0.683
SS198	M-SMA-1	WT		F	CS	GF04090K19801				8.22				1.85		1.01
SS198	M-SMA-1	WT		F	DUP	GF04080K19803				5.74				2.22		0.688
SS198	M-SMA-1	WT		UF	CS	GU04080K19801				9.98				4.99		3.65
SS198	M-SMA-1	WT		UF	CS	GU04080K19802				7.97				3.56		2.16
SS198	M-SMA-1	WT		UF	CS	GU04080K19803				7.28				3.29		1.73
SS198	M-SMA-1	WT		UF	CS	GU04090K19801				9.43				3.34		1.92
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803				7.67				3.48		1.8
SS1984	M-SMA-2	WT		F	CS	GF0408K198401				5.83				4.1		0.843
SS1984	M-SMA-2	WT		F	CS	GF0408K198402				3.35				3.61		0.536
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401				20.8				18.1		14.2
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402				8.74				9.83		5.75
SS1985	M-SMA-3	WT		F	CS	GF0408K198501				5.46				2.93		0.508
SS1985	M-SMA-3	WT		F	CS	GF0408K198502				5.54				3		0.623
SS1985	M-SMA-3	WT		F	CS	GF0409K198501				2.83				1.79		0.294
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501				13.5				10.9		6.91
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502				17.8				10.1		6.3
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501				8.05				6.11		3.82
SS1987	M-SMA-4	WT		F	CS	GF0408K198701				4.91				3.83		1.06
SS1987	M-SMA-4	WT		F	CS	GF0408K198702				3.27				2.54		0.835
SS1987	M-SMA-4	WT		F	CS	GF0408K198703				6.38				2.59		1.29
SS1987	M-SMA-4	WT		F	CS	GF0409K198701				5.11				3.21		1.13
SS1987	M-SMA-4	WT		F	CS	GF0410K198701				7.12				2.68		1.61
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702				3.35				2.59		0.857
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703				6.33				2.59		1.28
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701				5.19				3.23		1.14
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701				6.93				2.65		1.6
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701				9.55				10.8		3.19
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702				26.1				12.3		10.2
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703				7.35				4.49		2.26
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701				7.25				5.29		1.96

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701				7.35				2.86		1.78

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702										
SS1987	M-SMA-4	WT		UF	DUP	GU0408K198702										
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701				7.32				2.88		1.79
SS199	M-SMA-5	WT		F	CS	GF04080K19901				7.7				4.54		1.15
SS199	M-SMA-5	WT		F	CS	GF04080K19902				4.42				3.72		0.781
SS199	M-SMA-5	WT		F	CS	GF04090K19901				2.43				1.95		0.472
SS199	M-SMA-5	WT		F	CS	GF04100K19901				2.24				1.91		0.478
SS199	M-SMA-5	WT		F	DUP	GF04100K19901				2.22				1.95		0.475
SS199	M-SMA-5	WT		UF	CS	GU04080K19901										
SS199	M-SMA-5	WT		UF	CS	GU04080K19903				29.1				13.8		8.24
SS199	M-SMA-5	WT		UF	CS	GU04090K19901										
SS199	M-SMA-5	WT		UF	CS	GU04090K19902				14.3				11.1		6.98
SS199	M-SMA-5	WT		UF	CS	GU04100K19901				15.4				10.5		5.65
SS199	M-SMA-5	WT		UF	CS	GU04100K19902				4.12				4.65		1.91
SS199	M-SMA-5	WT		UF	DUP	GU04080K19901										
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903				29.3				14.1		8.29
SS1991	M-SMA-6	WT		F	CS	GF0408K199101				6.65				1.92		0.49
SS1991	M-SMA-6	WT		F	CS	GF0408K199102				8.54				3.7		0.69
SS1991	M-SMA-6	WT		F	CS	GF0408K199103				4.37				1.46		0.416
SS1991	M-SMA-6	WT		F	CS	GF0408K199104				6.05				2.45		0.603
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102				8.48				3.67		0.682
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103				4.41				1.47		0.416
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101				23.9				10.7		9.02
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102				10.1				5.54		1.62
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103				17.7				8.69		5.63
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104				9.83				6.77		3.85
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199101										
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102				10.2				5.67		1.64
SS2001	M-SMA-9	WT		F	CS	GF0408K200101				3.16				2.32		0.825
SS2001	M-SMA-9	WT		F	CS	GF0408K200102				2.1				1.87		0.519
SS2001	M-SMA-9	WT		F	CS	GF0409K200101				2.6				1.78		0.72
SS2001	M-SMA-9	WT		F	CS	GF0409K200102				1.29				1.05		0.354
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101				4.93				5.59		2.33

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102				3.66				4.76		2.33

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101				14.2				12.4		9.95
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102				3.38				3.89		2.02
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101										
SS2001	M-SMA-9	WT		UF	DUP	GU0408K200101										
SS2003	M-SMA-11	WT		F	CS	GF0408K200301				1.17				1.69		0.282
SS2003	M-SMA-11	WT		F	CS	GF0408K200302				1.37				1.21		0.348
SS2003	M-SMA-11	WT		F	CS	GF0408K200303				1.26				1.07		0.31
SS2003	M-SMA-11	WT		F	CS	GF0409K200301				1.44				1.35		0.37
SS2003	M-SMA-11	WT		F	CS	GF0409K200302				1.06				1.02		0.305
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302				1.07				1.03		0.314
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301				1.32				1.94		0.375
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302				3.56				5.11		1.95
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303				3.43				5.27		2.13
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301				3.93				5.72		2.32
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303				1.49				1.8		0.775
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		708								
SS2003	M-SMA-11	WT		UF	DUP	GU0408K200303										
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303				1.5				1.8		0.766
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301		712								
SS2003	M-SMA-11	WT		UF	TRP	GU0410K200301		732								
SS2004	M-SMA-12	WT		F	CS	GF0410K200401				5.22				4.63		1.26
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401				5.08				4.58		1.24
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401				7.71				7.05		2.73
SS20134	T-SMA-3	WT		F	CS	GF04082013401				10.1				3.86		1.61
SS20134	T-SMA-3	WT		F	CS	GF04082013402				5.85				2.04		0.864
SS20134	T-SMA-3	WT		F	CS	GF04082013403				5.48				2.11		0.827
SS20134	T-SMA-3	WT		F	CS	GF04082013404				3.32				1.35		0.608
SS20134	T-SMA-3	WT		F	CS	GF04082013405				4.51				1.63		0.672
SS20134	T-SMA-3	WT		UF	CS	GU04082013401				14.9				9.95		6.12
SS20134	T-SMA-3	WT		UF	CS	GU04082013402				8.91				5.35		3.6
SS20134	T-SMA-3	WT		UF	CS	GU04082013403				7.56				4.56		2.68
SS20134	T-SMA-3	WT		UF	CS	GU04082013404				11.1				8.44		6.59
SS20134	T-SMA-3	WT		UF	CS	GU04082013405				8				5.79		3.65

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401				15.3				9.78		6.04

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	CS	GF04082013601				3.45				5.34		0.832
SS20136	T-SMA-4	WT		F	CS	GF04102013601				2.59				2.63		0.521
SS20136	T-SMA-4	WT		F	CS	GF04102013602				3.2				3.79		0.927
SS20136	T-SMA-4	WT		UF	CS	GU04082013601				4.99				8.58		2.76
SS20136	T-SMA-4	WT		UF	CS	GU04102013601				4.93				5.7		2.32
SS20136	T-SMA-4	WT		UF	CS	GU04102013602				4.68				5.89		2.16
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601				4.99				5.72		2.34
SS20138	T-SMA-5	WT		F	CS	GF0408K201301				3.53				4.26		0.808
SS20138	T-SMA-5	WT		F	CS	GF0410K201301				3.64				3.37		0.882
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301				17.5				16.2		8.61
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301				12.1				10.1		6.32
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201				7.57				3.67		1.96
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202				7.48				5.04		2.1
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203				4.26				4.02		1.23
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204				5.19				5.1		2.22
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201				2.03				5.05		0.911
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201				7.78				3.8		2.01
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204				5.27				5.24		2.28
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201				35.9				18.3		19.4
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202				29.6				23.7		22.8
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203				26.7				26		24.3
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204				69.2				51.3		57.6
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202				5.61				10.4		5.16
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202				29.6				24.6		24.3
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204				68.5				57.4		64.2
SS205	M-SMA-13	WT		UF	CS	GU04080K20501										
SS205	M-SMA-13	WT		UF	CS	GU04080K20502										11.1
SS205	M-SMA-13	WT		UF	CS	GU04080K20503										17.9
SS205	M-SMA-13	WT		UF	CS	GU04080K20504										18.1
SS205	M-SMA-13	WT		UF	CS	GU04090K20501										12.5
SS205	M-SMA-13	WT		UF	DUP	GU04080K20502										
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501				19.3				17.1		12.5

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:160.2		EPA:200.7		EPA:200.7		EPA:200.7		EPA:200.7	
						Analyte	TSS		Ca		HARDNESS		K		Mg	
						Std Uom	mg/L		mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501				2.99				2.48		0.517
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502				2.41				2.39		0.547
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501				1.94				2.18		0.447
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502				3.76				3.36		1.19
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		2380		7.86				8.56		3.8
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502				10.1				8.8		5.14
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501				5.79				6.91		3.04
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502				9.05				8.66		4.59
SS2185	CDB-SMA-1	WT		UF	DUP	GU0408K218501		2110								
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801				6.19				4.15		0.81
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801				11.5				4.46		1.53
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801				11.3				13.2		3.73
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801				13.7				7.57		2.73
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801				14.1				7.82		2.89

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101		11.3								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101		9.11								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102		7.45								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101		2.52								
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101		9.08								
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102		7.29								
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101		2.55								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101						6.72				
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		12.5							<	0.00172
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101		9.53								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		22.2							<	0.00172
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		3.85							<	0.00172
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101		9.17								
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		22.7								
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		3.78								
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290						19			<	0.00172
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201						9.7				
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201						45.2				
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201						19.5			<	0.00172
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201						5.92			<	0.00172
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202									<	0.00172
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203									<	0.00172
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0407E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0408E122203										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001		13.1								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001		10.3								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002		6.86								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003		10.2								
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002		6.81								
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		13.9					<	4	<	0.00172
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		12.2					<	4	<	0.00172
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		12.1					<	4	<	0.00172
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		16.8					<	4	<	0.00172
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001							<	4		
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20003							<	4		
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301		4.19		6.99						
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301		1.4								
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301		2.15								
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301		4.01		6.72						
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301		2.14								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302		9.4		17.2						
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303						0.744				
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301		3.64							<	0.00172
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301		2.12								
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303										
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301		2.15								
E227	MDA G-13	WT		F	CS	GF04080E22701		2.4								
E227	MDA G-13	WT		F	DUP	GF04080E22701		2.36				3.57				
E227	MDA G-13	WT		UF	CS	GU04080E22701		7.91							<	0.00172
E227	MDA G-13	WT		UF	DUP	GU04080E22701		8.23				26				
E227	MDA G-13	WT				FN04080E22701										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0407E248501		2.18								
E248.5	MDA G-6U	WT		F	CS	GF0409E248501		7.7								
E248.5	MDA G-6U	WT		F	CS	GF0410E248501		1.54								
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501		7.98								
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502		4.16		68						
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501		3.96							<	0.00172
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501		7.96							<	0.00172
E248.5	MDA G-6U	WT		UF	CS	GU0410E248501									<	0.00172
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501		7.84								
E248.5	MDA G-6U	WT				FN0408E248501										
E249	MDA G-4	WT		F	CS	GF04080E24901		0.951								
E249	MDA G-4	WT		UF	CS	GU04080E24901		1.37							<	0.00172
E249	MDA G-4	WT				FN04080E24901										
E249.5	MDA G-7	WT		UF	CS	GU0402E249501						2.14				
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501						1.22			<	0.00172
E249.5	MDA G-7	WT		UF	CS	GU0408E249502						3.47			<	0.00172
E249.5	MDA G-7	WT		UF	CS	GU0408E249503										
E249.5	MDA G-7	WT		UF	CS	GU0408E249504										
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501						2.23				
E249.5	MDA G-7	WT				FN0408E249501										
E249.5	MDA G-7	WT				FN0408E249502										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501		27.6								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401		24								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402		21.6								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403		81.3								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401		31.9								
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401		23.3								
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402		21.1								
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		32.3							<	0.00172
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		46.6							<	0.00172
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		39							<	0.00172
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		62.3								0.0113
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		42.2							<	0.00172
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		62.1								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501		3.36								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502		4.26								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503		2.38								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504		6.47								
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		3.22							<	0.00172
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		3.9							<	0.00172
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		3.19							<	0.00172
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		9.57							<	0.00172
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026501										
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503										
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601		1.33								
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602		5.45								
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601		4.46								
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601		5.71								
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		5.58							<	0.00172
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		5.76							<	0.00172
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		4.62							<	0.00172
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		5.49								0.00194

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601										
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701		2.68								
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702		2.47								
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703		1.81								
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701		2.02								
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701		2.07								
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701		5.08								
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		8.69							<	0.00172
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		6.58							<	0.00172
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		4.74							<	0.00172
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026703									<	0.00172
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701		5.49								
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702										
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701										
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801		2.25								
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		6.13							<	0.00172
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801		6.36								
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901		4.36								
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901		2.24								
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901		2.18								
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901		8.52							<	0.00172
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		11.2								
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901		10.8								
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701										
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501						45.4			<	0.00172
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502									<	0.00172
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501									<	0.00172
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502									<	0.00172
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502										
SS0385	DP-SMA-1	WT		UF	DUP	GU0410K038501										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS067	B-SMA-1	WT		F	CS	GF04080K06701		2.93								
SS067	B-SMA-1	WT		F	CS	GF04080K06702		2.87								
SS067	B-SMA-1	WT		F	CS	GF04080K06703		2.82								
SS067	B-SMA-1	WT		F	CS	GF04080K06704		4.97								
SS067	B-SMA-1	WT		F	CS	GF04080K06705		4								
SS067	B-SMA-1	WT		UF	CS	GU04080K06701		5.02							<	0.00172
SS067	B-SMA-1	WT		UF	CS	GU04080K06702		5.33							<	0.00172
SS067	B-SMA-1	WT		UF	CS	GU04080K06703		2.82							<	0.00172
SS067	B-SMA-1	WT		UF	CS	GU04080K06704		6.95							<	0.00172
SS067	B-SMA-1	WT		UF	CS	GU04080K06705		7.98							<	0.00172
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701						8.49				
SS067	B-SMA-1	WT		UF	DUP	GU04080K06704										
SS12292	S-SMA-3	WT		F	CS	GF0408K122901		5.29								
SS12292	S-SMA-3	WT		F	CS	GF0409K122901		3.91								
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901		10.2								
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901		9.05							<	0.00172
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901										
SS1238	S-SMA-4	WT		F	CS	GF0408K123801		12.3								
SS1238	S-SMA-4	WT		F	CS	GF0408K123802		5.97								
SS1238	S-SMA-4	WT		F	CS	GF0408K123803		11.7								
SS1238	S-SMA-4	WT		F	CS	GF0408K123804		11								
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801		12.6				2.95				
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		14.2							<	0.00205
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		7.72							<	0.00172
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803		14.4							<	0.00172
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		13.1							<	0.00172
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123804										
SS1245	S-SMA-5	WT		F	CS	GF0408K124501		33.8								
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501		36.1							<	0.00172
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802									<	0.00172

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS198	M-SMA-1	WT		F	CS	GF04080K19801		21.9								
SS198	M-SMA-1	WT		F	CS	GF04080K19802		6.08								
SS198	M-SMA-1	WT		F	CS	GF04080K19803		7.32								
SS198	M-SMA-1	WT		F	CS	GF04090K19801		5.67								
SS198	M-SMA-1	WT		F	DUP	GF04080K19803		7.42								
SS198	M-SMA-1	WT		UF	CS	GU04080K19801		5.8					<	4	<	0.00172
SS198	M-SMA-1	WT		UF	CS	GU04080K19802		5.63					<	4	<	0.00172
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		7.25					<	4	<	0.00172
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		10						10.2	<	0.00172
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803		7.67								
SS1984	M-SMA-2	WT		F	CS	GF0408K198401		1.97								
SS1984	M-SMA-2	WT		F	CS	GF0408K198402		1.62								
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		4.25					<	4	<	0.00172
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		2.96					<	4	<	0.00172
SS1985	M-SMA-3	WT		F	CS	GF0408K198501		2.01								
SS1985	M-SMA-3	WT		F	CS	GF0408K198502		2.38								
SS1985	M-SMA-3	WT		F	CS	GF0409K198501		1.83								
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		4.2					<	4	<	0.00234
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		4.45					<	4	<	0.00172
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		3.13					<	4	<	0.00172
SS1987	M-SMA-4	WT		F	CS	GF0408K198701		0.698								
SS1987	M-SMA-4	WT		F	CS	GF0408K198702		0.659								
SS1987	M-SMA-4	WT		F	CS	GF0408K198703		5.55								
SS1987	M-SMA-4	WT		F	CS	GF0409K198701		4.61								
SS1987	M-SMA-4	WT		F	CS	GF0410K198701		5.61								
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702		0.669				0.815				
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703		5.53								
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701		4.67								
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701		5.46								
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		10.3					<	4	<	0.00172
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		3.38					<	4	<	0.00172
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		6.12						6.43	<	0.00172
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701		6.43					<	4	<	0.00172

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701		5.66							<	0.00172

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702							<	4		
SS1987	M-SMA-4	WT		UF	DUP	GU0408K198702										
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701		5.59								
SS199	M-SMA-5	WT		F	CS	GF04080K19901		0.339								
SS199	M-SMA-5	WT		F	CS	GF04080K19902		0.341								
SS199	M-SMA-5	WT		F	CS	GF04090K19901		0.187								
SS199	M-SMA-5	WT		F	CS	GF04100K19901		0.189								
SS199	M-SMA-5	WT		F	DUP	GF04100K19901		0.171								
SS199	M-SMA-5	WT		UF	CS	GU04080K19901									<	0.00172
SS199	M-SMA-5	WT		UF	CS	GU04080K19903		3.13					<	4	<	0.00172
SS199	M-SMA-5	WT		UF	CS	GU04090K19901							<	4		
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		2.82					<	4	<	0.00172
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		3.26					<	4		0.00598
SS199	M-SMA-5	WT		UF	CS	GU04100K19902		1.34								
SS199	M-SMA-5	WT		UF	DUP	GU04080K19901										
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903		3.28					<	4		
SS1991	M-SMA-6	WT		F	CS	GF0408K199101		5.09								
SS1991	M-SMA-6	WT		F	CS	GF0408K199102		8.2								
SS1991	M-SMA-6	WT		F	CS	GF0408K199103		5.15								
SS1991	M-SMA-6	WT		F	CS	GF0408K199104		5.39								
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102		8.12								
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103		5.16								
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		10.6					<	4	<	0.00172
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		9.45					<	4	<	0.00172
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		8.25					<	4	<	0.00172
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		10.6					<	4	<	0.00172
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199101								8		
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102		9.59					<	4		
SS2001	M-SMA-9	WT		F	CS	GF0408K200101		5.53								
SS2001	M-SMA-9	WT		F	CS	GF0408K200102		3.09								
SS2001	M-SMA-9	WT		F	CS	GF0409K200101		4.34								
SS2001	M-SMA-9	WT		F	CS	GF0409K200102		1.19								
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101		7.26					<	4	<	0.00172

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		3.98					<	4	<	0.00172

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101		7.63								
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		2.36					<	4	<	0.00172
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101							<	4	<	0.00172
SS2001	M-SMA-9	WT		UF	DUP	GU0408K200101							<	4		
SS2003	M-SMA-11	WT		F	CS	GF0408K200301		0.429								
SS2003	M-SMA-11	WT		F	CS	GF0408K200302		0.361								
SS2003	M-SMA-11	WT		F	CS	GF0408K200303		0.361								
SS2003	M-SMA-11	WT		F	CS	GF0409K200301		0.397								
SS2003	M-SMA-11	WT		F	CS	GF0409K200302		0.301								
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302		0.304								
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301		0.505							<	0.00172
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302		2.75							<	0.00172
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		2.62							<	0.00172
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		2.56							<	0.00172
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		0.634							<	0.00172
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301										
SS2003	M-SMA-11	WT		UF	DUP	GU0408K200303										
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303		0.629								
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301										
SS2003	M-SMA-11	WT		UF	TRP	GU0410K200301										
SS2004	M-SMA-12	WT		F	CS	GF0410K200401		6.09								
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401		5.97								
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		7.35							<	0.00172
SS20134	T-SMA-3	WT		F	CS	GF04082013401		3.29								
SS20134	T-SMA-3	WT		F	CS	GF04082013402		3.21								
SS20134	T-SMA-3	WT		F	CS	GF04082013403		2.99								
SS20134	T-SMA-3	WT		F	CS	GF04082013404		1.49								
SS20134	T-SMA-3	WT		F	CS	GF04082013405		2.34								
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		5.39							<	0.00172
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		4.3							<	0.00172
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		3.72							<	0.00172
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		3.56							<	0.00172
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		3.78							<	0.00172

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		5.35								

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	CS	GF04082013601		5.67								
SS20136	T-SMA-4	WT		F	CS	GF04102013601		2.44								
SS20136	T-SMA-4	WT		F	CS	GF04102013602		4.38								
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		6.6							<	0.00172
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		3.72							<	0.00172
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		5.37							<	0.00172
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		3.75								
SS20138	T-SMA-5	WT		F	CS	GF0408K201301		0.132								
SS20138	T-SMA-5	WT		F	CS	GF0410K201301		0.157								
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301		2.95							<	0.00172
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		1.9							<	0.00172
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201		4.41								
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202		2.91								
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203		1.73								
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204		1.38								
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201		0.631								
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201		4.56								
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204		1.42								
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		5.87							<	0.00172
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202		4.63								
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		3.76							<	0.00172
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		5.85							<	0.00172
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201									<	0.00172
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202		2.11							<	0.00172
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202		4.55				26.9				
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204		5.75								
SS205	M-SMA-13	WT		UF	CS	GU04080K20501						12	<	4	<	0.00172
SS205	M-SMA-13	WT		UF	CS	GU04080K20502							<	4	<	0.00172
SS205	M-SMA-13	WT		UF	CS	GU04080K20503							<	4	<	0.00172
SS205	M-SMA-13	WT		UF	CS	GU04080K20504							<	4	<	0.00172
SS205	M-SMA-13	WT		UF	CS	GU04090K20501							<	4	<	0.00172
SS205	M-SMA-13	WT		UF	DUP	GU04080K20502										
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501		4.67					<	4		

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:200.7		EPA:200.7		EPA:200.8		EPA:314.0		EPA:335.1	
						Analyte	Na		SiO2		Mg		ClO4		CN (amen)	
						Std Uom	mg/L		mg/L		mg/L		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501		4.02								
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502		4.19								
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501		3.34								
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502		8.12								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		6.59							<	0.00172
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		6.29							<	0.00172
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		5.2								0.00184
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		9.73							<	0.00172
SS2185	CDB-SMA-1	WT		UF	DUP	GU0408K218501										
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801		0.341								
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801		0.536								
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		7.82							<	0.00172
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801		3.31							<	0.00172
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801		3.45								

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102								
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101								
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101								
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102								
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101	<	0.00172		0.06				36.8
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		0.00235		0.176				77.7
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102	<	0.00172		0.269			<	41.6
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		0.00332						
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101								
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102								
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101								
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290		0.00224		0.19				159
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201		0.0058		0.07				79.4
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201				0.867				503
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201	<	0.00172		0.172				135
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201	<	0.00172		0.376				255
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202	<	0.00172		0.403				213
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203	<	0.00172		0.115				88.7
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0407E122201								139
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0408E122203	<	0.00172		0.102				

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002								
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003								
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002								
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001	<	0.00172		0.066				65.4
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001	<	0.00255		0.144				245
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002	<	0.00172		0.103				243
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003	<	0.00172		0.08				22
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001								247
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20003								
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301								
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301								
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301								
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301								
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303	<	0.00172		0.289			<	24.1
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301	<	0.00172		0.176				171
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301								
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303								16.4
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301								
E227	MDA G-13	WT		F	CS	GF04080E22701								
E227	MDA G-13	WT		F	DUP	GF04080E22701								
E227	MDA G-13	WT		UF	CS	GU04080E22701	<	0.00172		0.168				160
E227	MDA G-13	WT		UF	DUP	GU04080E22701								138
E227	MDA G-13	WT				FN04080E22701								

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E248.5	MDA G-6U	WT		F	CS	GF0407E248501								
E248.5	MDA G-6U	WT		F	CS	GF0409E248501								
E248.5	MDA G-6U	WT		F	CS	GF0410E248501								
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501								
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502								
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501	<	0.00172		0.058				89.4
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501		0.00505		0.078			<	75.7
E248.5	MDA G-6U	WT		UF	CS	GU0410E248501	<	0.00172						
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501				0.07				82
E248.5	MDA G-6U	WT				FN0408E248501								
E249	MDA G-4	WT		F	CS	GF04080E24901								
E249	MDA G-4	WT		UF	CS	GU04080E24901	<	0.00172		0.392				387
E249	MDA G-4	WT				FN04080E24901								
E249.5	MDA G-7	WT		UF	CS	GU0402E249501	<	0.00172		0.05				40.5
E249.5	MDA G-7	WT		UF	CS	GU0406E249501		0.0063		0.925				461
E249.5	MDA G-7	WT		UF	CS	GU0407E249501	<	0.00172		0.213				89.9
E249.5	MDA G-7	WT		UF	CS	GU0408E249502	<	0.00172		0.339				88.7
E249.5	MDA G-7	WT		UF	CS	GU0408E249503				0.127				86.9
E249.5	MDA G-7	WT		UF	CS	GU0408E249504								
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501								42.3
E249.5	MDA G-7	WT				FN0408E249501								
E249.5	MDA G-7	WT				FN0408E249502								

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403								
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401								
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401								
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402								
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501	<	0.00911		0.334				688
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401	<	0.00833		0.414		0.5		1630
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402	<	0.006		0.521		0.61		555
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		0.012		0.297		0.39		851
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		0.00519		0.336		0.103		235
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501		0.00882						
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401								1700
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		0.012		0.294		0.38		893
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503								
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504								
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501	<	0.00172		0.244		0.32		79.3
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502	<	0.00172		0.197		0.39		113
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503	<	0.00172		0.76		0.29		96.3
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		0.0038		0.127		0.293		93.5
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026501	<	0.00172						
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503	<	0.00172		0.763		0.29		96.3
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601								
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602								
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601								
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601								
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601	<	0.00279		0.358		0.19		160
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602	<	0.00172		0.068		0.224		147
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601	<	0.00172		0.181		0.354		154
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601	<	0.00226		0.201		0.146		124

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601				0.346				
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701								
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702								
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703								
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701								
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701								
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701								
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702	<	0.00172		0.161		0.4		485
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703	<	0.00172		0.489		0.5		396
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701	<	0.00172		0.137		0.271		142
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026703	<	0.00172		0.155		0.583		357
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701								
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702		0.00344						
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701	<	0.00172						
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801								
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801	<	0.00248		0.508		0.42		510
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801								
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901								
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901								
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901								
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901		0.00316		1.05				652
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901								
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901								
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701								
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501				0.631				84.7
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502	<	0.00356		0.252				277
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501	<	0.00205		0.232				57.5
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502	<	0.00172		0.129				71.1
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502								
SS0385	DP-SMA-1	WT		UF	DUP	GU0410K038501								50.7

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS067	B-SMA-1	WT		F	CS	GF04080K06701								
SS067	B-SMA-1	WT		F	CS	GF04080K06702								
SS067	B-SMA-1	WT		F	CS	GF04080K06703								
SS067	B-SMA-1	WT		F	CS	GF04080K06704								
SS067	B-SMA-1	WT		F	CS	GF04080K06705								
SS067	B-SMA-1	WT		UF	CS	GU04080K06701				0.768				92.2
SS067	B-SMA-1	WT		UF	CS	GU04080K06702	<	0.00172		0.45				135
SS067	B-SMA-1	WT		UF	CS	GU04080K06703	<	0.00172		0.356				694
SS067	B-SMA-1	WT		UF	CS	GU04080K06704	<	0.00445		0.401				345
SS067	B-SMA-1	WT		UF	CS	GU04080K06705		0.00285		0.726				2020
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701				0.77				
SS067	B-SMA-1	WT		UF	DUP	GU04080K06704		0.00344						345
SS12292	S-SMA-3	WT		F	CS	GF0408K122901								
SS12292	S-SMA-3	WT		F	CS	GF0409K122901								
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901								
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901		0.002		0.122		0.342		248
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901								227
SS1238	S-SMA-4	WT		F	CS	GF0408K123801								
SS1238	S-SMA-4	WT		F	CS	GF0408K123802								
SS1238	S-SMA-4	WT		F	CS	GF0408K123803								
SS1238	S-SMA-4	WT		F	CS	GF0408K123804								
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801								
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801	<	0.00205		0.15				27.2
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802	<	0.00172		0.27			<	4.88
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803	<	0.00172		0.163				193
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804	<	0.00172		0.135		0.4		100
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801								
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123804						0.4		
SS1245	S-SMA-5	WT		F	CS	GF0408K124501								
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501				0.761				44.7
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		0.0129		0.666		0.41		2980

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS198	M-SMA-1	WT		F	CS	GF04080K19801								
SS198	M-SMA-1	WT		F	CS	GF04080K19802								
SS198	M-SMA-1	WT		F	CS	GF04080K19803								
SS198	M-SMA-1	WT		F	CS	GF04090K19801								
SS198	M-SMA-1	WT		F	DUP	GF04080K19803								
SS198	M-SMA-1	WT		UF	CS	GU04080K19801	<	0.00172		0.251		0.65		179
SS198	M-SMA-1	WT		UF	CS	GU04080K19802	<	0.00209		0.12		0.39		117
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		0.00334		0.086		0.354		118
SS198	M-SMA-1	WT		UF	CS	GU04090K19801	<	0.00172						
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803				0.076		0.349		
SS1984	M-SMA-2	WT		F	CS	GF0408K198401								
SS1984	M-SMA-2	WT		F	CS	GF0408K198402								
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401				0.334				37.2
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402	<	0.00172		0.295				123
SS1985	M-SMA-3	WT		F	CS	GF0408K198501								
SS1985	M-SMA-3	WT		F	CS	GF0408K198502								
SS1985	M-SMA-3	WT		F	CS	GF0409K198501								
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501				0.34				9.68
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502	<	0.00172		0.392				508
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		0.00243		0.106				161
SS1987	M-SMA-4	WT		F	CS	GF0408K198701								
SS1987	M-SMA-4	WT		F	CS	GF0408K198702								
SS1987	M-SMA-4	WT		F	CS	GF0408K198703								
SS1987	M-SMA-4	WT		F	CS	GF0409K198701								
SS1987	M-SMA-4	WT		F	CS	GF0410K198701								
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702								
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703								
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701								
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701								
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701				0.4				44.7
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702	<	0.00172		0.548				430
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703	<	0.00172		0.113				60.1
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701	<	0.00172		0.081			<	79.9

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701	<	0.00172		0.056			<	28.3

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702								
SS1987	M-SMA-4	WT		UF	DUP	GU0408K198702				1.032				
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701	<	0.00172		0.102				28.3
SS199	M-SMA-5	WT		F	CS	GF04080K19901								
SS199	M-SMA-5	WT		F	CS	GF04080K19902								
SS199	M-SMA-5	WT		F	CS	GF04090K19901								
SS199	M-SMA-5	WT		F	CS	GF04100K19901								
SS199	M-SMA-5	WT		F	DUP	GF04100K19901								
SS199	M-SMA-5	WT		UF	CS	GU04080K19901	<	0.00418		0.303				130
SS199	M-SMA-5	WT		UF	CS	GU04080K19903		0.00588		0.32				127
SS199	M-SMA-5	WT		UF	CS	GU04090K19901								
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		0.00274		0.227				429
SS199	M-SMA-5	WT		UF	CS	GU04100K19901	<	0.00838		0.254				410
SS199	M-SMA-5	WT		UF	CS	GU04100K19902								
SS199	M-SMA-5	WT		UF	DUP	GU04080K19901		0.00459						
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903				0.322				122
SS1991	M-SMA-6	WT		F	CS	GF0408K199101								
SS1991	M-SMA-6	WT		F	CS	GF0408K199102								
SS1991	M-SMA-6	WT		F	CS	GF0408K199103								
SS1991	M-SMA-6	WT		F	CS	GF0408K199104								
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102								
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103								
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101	<	0.00172		0.17		0.49		408
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102	<	0.00209		0.306		0.59		134
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		0.0025		0.128		0.34		246
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104	<	0.00172		0.107		0.328		231
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199101								
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102								
SS2001	M-SMA-9	WT		F	CS	GF0408K200101								
SS2001	M-SMA-9	WT		F	CS	GF0408K200102								
SS2001	M-SMA-9	WT		F	CS	GF0409K200101								
SS2001	M-SMA-9	WT		F	CS	GF0409K200102								
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101	<	0.00179		0.316				149

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102	<	0.00299		0.147				67.3

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101								
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102	<	0.00172		0.11				184
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101	<	0.00172		0.264				106
SS2001	M-SMA-9	WT		UF	DUP	GU0408K200101								
SS2003	M-SMA-11	WT		F	CS	GF0408K200301								
SS2003	M-SMA-11	WT		F	CS	GF0408K200302								
SS2003	M-SMA-11	WT		F	CS	GF0408K200303								
SS2003	M-SMA-11	WT		F	CS	GF0409K200301								
SS2003	M-SMA-11	WT		F	CS	GF0409K200302								
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302								
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301	<	0.00172		0.21				77.3
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302	<	0.00397		0.151				122
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		0.00517		0.121				205
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301	<	0.00172		0.172				253
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		0.00176		0.114				218
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301								
SS2003	M-SMA-11	WT		UF	DUP	GU0408K200303		0.00439						
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303								
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301								
SS2003	M-SMA-11	WT		UF	TRP	GU0410K200301								
SS2004	M-SMA-12	WT		F	CS	GF0410K200401								
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401								
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401	<	0.00172		0.177				124
SS20134	T-SMA-3	WT		F	CS	GF04082013401								
SS20134	T-SMA-3	WT		F	CS	GF04082013402								
SS20134	T-SMA-3	WT		F	CS	GF04082013403								
SS20134	T-SMA-3	WT		F	CS	GF04082013404								
SS20134	T-SMA-3	WT		F	CS	GF04082013405								
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		0.00241		0.77				336
SS20134	T-SMA-3	WT		UF	CS	GU04082013402	<	0.00172		0.184				164
SS20134	T-SMA-3	WT		UF	CS	GU04082013403	<	0.00172		0.209				155
SS20134	T-SMA-3	WT		UF	CS	GU04082013404	<	0.00172		0.165				79.2
SS20134	T-SMA-3	WT		UF	CS	GU04082013405	<	0.00172		0.124				140

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		0.00267		0.768				324

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS20136	T-SMA-4	WT		F	CS	GF04082013601								
SS20136	T-SMA-4	WT		F	CS	GF04102013601								
SS20136	T-SMA-4	WT		F	CS	GF04102013602								
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		0.00193		0.326				158
SS20136	T-SMA-4	WT		UF	CS	GU04102013601	<	0.00172		0.181				20.7
SS20136	T-SMA-4	WT		UF	CS	GU04102013602	<	0.00172		0.099				57.8
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601								20.7
SS20138	T-SMA-5	WT		F	CS	GF0408K201301								
SS20138	T-SMA-5	WT		F	CS	GF0410K201301								
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301		0.0105		0.629				533
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		0.0042		0.44				296
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201								
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202								
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203								
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204								
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201								
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201								
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204								
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		0.00214		0.718				349
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202								
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203	<	0.00172		0.228				117
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		0.00185		0.43				564
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201	<	0.00172		0.24				223
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202	<	0.00172		0.082				53.3
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202								
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204								
SS205	M-SMA-13	WT		UF	CS	GU04080K20501		0.00266		0.714				62.2
SS205	M-SMA-13	WT		UF	CS	GU04080K20502	<	0.00172		0.754				2670
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		0.00281		0.617				93.5
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		0.0038		0.503				879
SS205	M-SMA-13	WT		UF	CS	GU04090K20501	<	0.00172		0.218				237
SS205	M-SMA-13	WT		UF	DUP	GU04080K20502		0.00344						
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501								252

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	EPA:335.3		EPA:350.1		EPA:353.1		EPA:410.4	
						Analyte	CN(TOTAL)		NH3-N		NO3+NO2-N		COD	
						Std Uom	mg/L		mg/L		mg/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501								
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502								
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501								
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		0.00308		0.295				161
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502	<	0.00233		0.18				55.4
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501	<	0.00184		0.212				147
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502	<	0.00172		0.08				66.7
SS2185	CDB-SMA-1	WT		UF	DUP	GU0408K218501								
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801								
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801								
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801				0.878				49.7
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801	<	0.00172		0.278				131
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801		0.00296		0.27				118

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E121	Sandia right fork at Power Plant	WT		F	CS	GF04070E12101										
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12101										
E121	Sandia right fork at Power Plant	WT		F	CS	GF04080E12102										
E121	Sandia right fork at Power Plant	WT		F	CS	GF04090E12101										
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12101										
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04080E12102										
E121	Sandia right fork at Power Plant	WT		F	DUP	GF04090E12101										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04020E12101										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12101										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102										
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101										
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12101										
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102										
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101										
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	CS	GU0407E122290										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0402E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0404E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0407E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122202										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	CS	GU0408E122203										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0407E122201										
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	DUP	GU0408E122203										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04070E20001										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20001										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20002										
E200	Mortandad below Effluent Canyon	WT		F	CS	GF04080E20003										
E200	Mortandad below Effluent Canyon	WT		F	DUP	GF04080E20002										
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001								0.431		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001								0.304		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002								0.583		
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003								0.202		
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001										
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20003										
E201.3	Ten Site below MDA C	WT		F	CS	GF0404E201301										
E201.3	Ten Site below MDA C	WT		F	CS	GF0407E201301										
E201.3	Ten Site below MDA C	WT		F	CS	GF0410E201301										
E201.3	Ten Site below MDA C	WT		F	DUP	GF0404E201301										
E201.3	Ten Site below MDA C	WT		F	DUP	GF0410E201301										
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201302										
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303										
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301										
E201.3	Ten Site below MDA C	WT		UF	CS	GU0410E201301										
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303										
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0410E201301										
E227	MDA G-13	WT		F	CS	GF04080E22701										
E227	MDA G-13	WT		F	DUP	GF04080E22701										
E227	MDA G-13	WT		UF	CS	GU04080E22701										
E227	MDA G-13	WT		UF	DUP	GU04080E22701										
E227	MDA G-13	WT				FN04080E22701		71.1		8.2		13.4				

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
E248.5	MDA G-6U	WT		F	CS	GF0407E248501										
E248.5	MDA G-6U	WT		F	CS	GF0409E248501										
E248.5	MDA G-6U	WT		F	CS	GF0410E248501										
E248.5	MDA G-6U	WT		F	DUP	GF0409E248501										
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502										
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501										
E248.5	MDA G-6U	WT		UF	CS	GU0409E248501										
E248.5	MDA G-6U	WT		UF	CS	GU0410E248501										
E248.5	MDA G-6U	WT		UF	DUP	GU0409E248501										
E248.5	MDA G-6U	WT				FN0408E248501		60.6		7.92		13.9				
E249	MDA G-4	WT		F	CS	GF04080E24901										
E249	MDA G-4	WT		UF	CS	GU04080E24901										
E249	MDA G-4	WT				FN04080E24901		33.5		6.65		18.4				
E249.5	MDA G-7	WT		UF	CS	GU0402E249501										
E249.5	MDA G-7	WT		UF	CS	GU0406E249501										
E249.5	MDA G-7	WT		UF	CS	GU0407E249501										
E249.5	MDA G-7	WT		UF	CS	GU0408E249502										
E249.5	MDA G-7	WT		UF	CS	GU0408E249503										
E249.5	MDA G-7	WT		UF	CS	GU0408E249504										
E249.5	MDA G-7	WT		UF	DUP	GU0402E249501										
E249.5	MDA G-7	WT				FN0408E249501		78.3		6.85		13.3				
E249.5	MDA G-7	WT				FN0408E249502		49.6		7.23		10.3				

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF04080262501										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026401										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026402										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0408K026403										
SS0264	LA-SMA-1 (B)	WT		F	CS	GF0409K026401										
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026401										
SS0264	LA-SMA-1 (B)	WT		F	DUP	GF0408K026402										
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501										
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401										
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402										
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403										
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401										
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026501										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026502										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026503										
SS0265	LA-SMA-2	WT		F	CS	GF0408K026504										
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501										
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502										
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503										
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504										
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026501										
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503										
SS0266	LA-SMA-3	WT		F	CS	GF0408K026601										
SS0266	LA-SMA-3	WT		F	CS	GF0408K026602										
SS0266	LA-SMA-3	WT		F	CS	GF0409K026601										
SS0266	LA-SMA-3	WT		F	CS	GF0410K026601										
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601										
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602										
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601										
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601										
SS0267	LA-SMA-4	WT		F	CS	GF0408K026701										
SS0267	LA-SMA-4	WT		F	CS	GF0408K026702										
SS0267	LA-SMA-4	WT		F	CS	GF0408K026703										
SS0267	LA-SMA-4	WT		F	CS	GF0409K026701										
SS0267	LA-SMA-4	WT		F	DUP	GF0409K026701										
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026701										
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702										
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703										
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701										
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026703										
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026701										
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702										
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701										
SS0268	LA-SMA-5	WT		F	CS	GF0408K026801										
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801										
SS0268	LA-SMA-5	WT		UF	DUP	GU0408K026801										
SS0269	LA-SMA-6	WT		F	CS	GF0408K026901										
SS0269	LA-SMA-6	WT		F	CS	GF0409K026901										
SS0269	LA-SMA-6	WT		F	DUP	GF0409K026901										
SS0269	LA-SMA-6	WT		UF	CS	GU0408K026901										
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901										
SS0269	LA-SMA-6	WT		UF	DUP	GU0409K026901										
SS037	LA-SMA-10	WT		UF	CS	GU04100K03701										
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501									<	0.00378
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502										
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038501										
SS0385	DP-SMA-1	WT		UF	CS	GU0410K038502										
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502										0.00185
SS0385	DP-SMA-1	WT		UF	DUP	GU0410K038501										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS067	B-SMA-1	WT		F	CS	GF04080K06701										
SS067	B-SMA-1	WT		F	CS	GF04080K06702										
SS067	B-SMA-1	WT		F	CS	GF04080K06703										
SS067	B-SMA-1	WT		F	CS	GF04080K06704										
SS067	B-SMA-1	WT		F	CS	GF04080K06705										
SS067	B-SMA-1	WT		UF	CS	GU04080K06701									<	0.00201
SS067	B-SMA-1	WT		UF	CS	GU04080K06702										
SS067	B-SMA-1	WT		UF	CS	GU04080K06703										
SS067	B-SMA-1	WT		UF	CS	GU04080K06704										
SS067	B-SMA-1	WT		UF	CS	GU04080K06705										
SS067	B-SMA-1	WT		UF	DUP	GU04080K06701										
SS067	B-SMA-1	WT		UF	DUP	GU04080K06704										
SS12292	S-SMA-3	WT		F	CS	GF0408K122901										
SS12292	S-SMA-3	WT		F	CS	GF0409K122901										
SS12292	S-SMA-3	WT		UF	CS	GU0408K122901										
SS12292	S-SMA-3	WT		UF	CS	GU0409K122901										
SS12292	S-SMA-3	WT		UF	DUP	GU0409K122901										
SS1238	S-SMA-4	WT		F	CS	GF0408K123801										
SS1238	S-SMA-4	WT		F	CS	GF0408K123802										
SS1238	S-SMA-4	WT		F	CS	GF0408K123803										
SS1238	S-SMA-4	WT		F	CS	GF0408K123804										
SS1238	S-SMA-4	WT		F	DUP	GF0408K123801										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123803										
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804										
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123801										0.00203
SS1238	S-SMA-4	WT		UF	DUP	GU0408K123804										
SS1245	S-SMA-5	WT		F	CS	GF0408K124501										
SS1245	S-SMA-5	WT		UF	CS	GU0408K124501										0.0119
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS198	M-SMA-1	WT		F	CS	GF04080K19801										
SS198	M-SMA-1	WT		F	CS	GF04080K19802										
SS198	M-SMA-1	WT		F	CS	GF04080K19803										
SS198	M-SMA-1	WT		F	CS	GF04090K19801										
SS198	M-SMA-1	WT		F	DUP	GF04080K19803										
SS198	M-SMA-1	WT		UF	CS	GU04080K19801								0.581		
SS198	M-SMA-1	WT		UF	CS	GU04080K19802								0.349		
SS198	M-SMA-1	WT		UF	CS	GU04080K19803								0.445		
SS198	M-SMA-1	WT		UF	CS	GU04090K19801								0.342		
SS198	M-SMA-1	WT		UF	DUP	GU04080K19803										
SS1984	M-SMA-2	WT		F	CS	GF0408K198401										
SS1984	M-SMA-2	WT		F	CS	GF0408K198402										
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401								0.218	<	0.00318
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402								0.415		
SS1985	M-SMA-3	WT		F	CS	GF0408K198501										
SS1985	M-SMA-3	WT		F	CS	GF0408K198502										
SS1985	M-SMA-3	WT		F	CS	GF0409K198501										
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501								0.33	<	0.00234
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502								0.525		
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501								0.293		
SS1987	M-SMA-4	WT		F	CS	GF0408K198701										
SS1987	M-SMA-4	WT		F	CS	GF0408K198702										
SS1987	M-SMA-4	WT		F	CS	GF0408K198703										
SS1987	M-SMA-4	WT		F	CS	GF0409K198701										
SS1987	M-SMA-4	WT		F	CS	GF0410K198701										
SS1987	M-SMA-4	WT		F	DUP	GF0408K198702										
SS1987	M-SMA-4	WT		F	DUP	GF0408K198703										
SS1987	M-SMA-4	WT		F	DUP	GF0409K198701										
SS1987	M-SMA-4	WT		F	DUP	GF0410K198701										
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701							<	0.05	<	0.00217
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702								2.48		
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703								6.83		
SS1987	M-SMA-4	WT		UF	CS	GU0409K198701								2.56		

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		UF	CS	GU0410K198701										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702								3.38		
SS1987	M-SMA-4	WT		UF	DUP	GU0408K198702										
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198701										
SS199	M-SMA-5	WT		F	CS	GF04080K19901										
SS199	M-SMA-5	WT		F	CS	GF04080K19902										
SS199	M-SMA-5	WT		F	CS	GF04090K19901										
SS199	M-SMA-5	WT		F	CS	GF04100K19901										
SS199	M-SMA-5	WT		F	DUP	GF04100K19901										
SS199	M-SMA-5	WT		UF	CS	GU04080K19901										
SS199	M-SMA-5	WT		UF	CS	GU04080K19903								0.241		
SS199	M-SMA-5	WT		UF	CS	GU04090K19901								0.212		
SS199	M-SMA-5	WT		UF	CS	GU04090K19902								0.13		
SS199	M-SMA-5	WT		UF	CS	GU04100K19901								0.133		
SS199	M-SMA-5	WT		UF	CS	GU04100K19902										
SS199	M-SMA-5	WT		UF	DUP	GU04080K19901										
SS199	M-SMA-5	WT		UF	DUP	GU04080K19903										
SS1991	M-SMA-6	WT		F	CS	GF0408K199101										
SS1991	M-SMA-6	WT		F	CS	GF0408K199102										
SS1991	M-SMA-6	WT		F	CS	GF0408K199103										
SS1991	M-SMA-6	WT		F	CS	GF0408K199104										
SS1991	M-SMA-6	WT		F	DUP	GF0408K199102										
SS1991	M-SMA-6	WT		F	DUP	GF0408K199103										
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101								0.145		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102								0.141		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103								0.0502		
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104								0.131		
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199101										
SS1991	M-SMA-6	WT		UF	DUP	GU0408K199102										
SS2001	M-SMA-9	WT		F	CS	GF0408K200101										
SS2001	M-SMA-9	WT		F	CS	GF0408K200102										
SS2001	M-SMA-9	WT		F	CS	GF0409K200101										
SS2001	M-SMA-9	WT		F	CS	GF0409K200102										
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101							<	0.05		

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102								0.0678		

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2001	M-SMA-9	WT		UF	CS	GU0409K200101										
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102							<	0.05		
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101								0.0571		
SS2001	M-SMA-9	WT		UF	DUP	GU0408K200101										
SS2003	M-SMA-11	WT		F	CS	GF0408K200301										
SS2003	M-SMA-11	WT		F	CS	GF0408K200302										
SS2003	M-SMA-11	WT		F	CS	GF0408K200303										
SS2003	M-SMA-11	WT		F	CS	GF0409K200301										
SS2003	M-SMA-11	WT		F	CS	GF0409K200302										
SS2003	M-SMA-11	WT		F	DUP	GF0409K200302										
SS2003	M-SMA-11	WT		UF	CS	GU0408K200301										
SS2003	M-SMA-11	WT		UF	CS	GU0408K200302										
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303										
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301										
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303										
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301										
SS2003	M-SMA-11	WT		UF	DUP	GU0408K200303										
SS2003	M-SMA-11	WT		UF	DUP	GU0409K200303										
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301										
SS2003	M-SMA-11	WT		UF	TRP	GU0410K200301										
SS2004	M-SMA-12	WT		F	CS	GF0410K200401										
SS2004	M-SMA-12	WT		F	DUP	GF0410K200401										
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401										
SS20134	T-SMA-3	WT		F	CS	GF04082013401										
SS20134	T-SMA-3	WT		F	CS	GF04082013402										
SS20134	T-SMA-3	WT		F	CS	GF04082013403										
SS20134	T-SMA-3	WT		F	CS	GF04082013404										
SS20134	T-SMA-3	WT		F	CS	GF04082013405										
SS20134	T-SMA-3	WT		UF	CS	GU04082013401										
SS20134	T-SMA-3	WT		UF	CS	GU04082013402										
SS20134	T-SMA-3	WT		UF	CS	GU04082013403										
SS20134	T-SMA-3	WT		UF	CS	GU04082013404										
SS20134	T-SMA-3	WT		UF	CS	GU04082013405										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS20136	T-SMA-4	WT		F	CS	GF04082013601										
SS20136	T-SMA-4	WT		F	CS	GF04102013601										
SS20136	T-SMA-4	WT		F	CS	GF04102013602										
SS20136	T-SMA-4	WT		UF	CS	GU04082013601										
SS20136	T-SMA-4	WT		UF	CS	GU04102013601										
SS20136	T-SMA-4	WT		UF	CS	GU04102013602										
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601										
SS20138	T-SMA-5	WT		F	CS	GF0408K201301										
SS20138	T-SMA-5	WT		F	CS	GF0410K201301										
SS20138	T-SMA-5	WT		UF	CS	GU0408K201301										
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301										
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014201										
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014202										
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014203										
SS20142	Pratt-SMA-1	WT		F	CS	GF04082014204										
SS20142	Pratt-SMA-1	WT		F	CS	GF04102014201										
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014201										
SS20142	Pratt-SMA-1	WT		F	DUP	GF04082014204										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014202										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201										
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202										
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014202										
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04082014204										
SS205	M-SMA-13	WT		UF	CS	GU04080K20501							<	0.05		
SS205	M-SMA-13	WT		UF	CS	GU04080K20502								0.0667		
SS205	M-SMA-13	WT		UF	CS	GU04080K20503								0.0502		
SS205	M-SMA-13	WT		UF	CS	GU04080K20504							<	0.05		
SS205	M-SMA-13	WT		UF	CS	GU04090K20501								0.0817		
SS205	M-SMA-13	WT		UF	DUP	GU04080K20502										
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501										

Table 7. Site-Specific Storm Water Monitoring, 2004
Analytical Results for General Inorganics

						Anyl Meth Code	GENERIC FIELD CONDUCTIVITY		GENERIC FIELD PH		GENERIC FIELD TEMP		SW-846:8321A(M)		SW-846:9012A	
						Analyte	SPEC_CONDC		pH		TEMP		ClO4		CN(TOTAL)	
						Std Uom	uS/cm				C		ug/L		mg/L	
							Sym	Result	Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id										
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218501										
SS2185	CDB-SMA-1	WT		F	CS	GF0408K218502										
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218501										
SS2185	CDB-SMA-1	WT		F	CS	GF0410K218502										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501										
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502										
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501										
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502										
SS2185	CDB-SMA-1	WT		UF	DUP	GU0408K218501										
SS2188	CDB-SMA-2	WT		F	CS	GF0408K218801										
SS2188	CDB-SMA-2	WT		F	CS	GF0410K218801										
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801									<	0.00229
SS2188	CDB-SMA-2	WT		UF	CS	GU0410K218801										
SS2188	CDB-SMA-2	WT		UF	DUP	GU0410K218801										

Table 8. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Suspended Sediment Concentration

Analyte Desc	Suspended Sediment Concentration			Anyl Meth Code		EPA:160.2		EPA:160.2		EPA:160.2		EPA:160.2	
				Analyte		SSC		SSC		SSC		SSC	
				Std Uom		mg/L		mg/L		mg/L		mg/L	
				Lab Sample Type Code		CS		DUP		QUD		TRP	
						Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Sample Id								
E121	Sandia right fork at Power Plant	WT		UF	GU04080E12101		458		464		464		460
E121	Sandia right fork at Power Plant	WT		UF	GU04080E12102		1200		1160				1150
E121	Sandia right fork at Power Plant	WT		UF	GU04090E12101		540		588		508		588
E122.2	Sandia Tributary from Roads and Grounds	WT	FD	UF	GU0407E122290		1980		2110				2000
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	GU0407E122201		2380		2390		2390		2270
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	GU0408E122201		3680		3730				3850
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	GU0408E122202		5880		5520				5190
E122.2	Sandia Tributary from Roads and Grounds	WT		UF	GU0408E122203		1530		1640		1650		1670
E200	Mortandad below Effluent Canyon	WT		UF	GU04070E20001		400		398		820		376
E200	Mortandad below Effluent Canyon	WT		UF	GU04080E20001		1280		1210				1260
E200	Mortandad below Effluent Canyon	WT		UF	GU04080E20002		2680		2340				2160
E200	Mortandad below Effluent Canyon	WT		UF	GU04080E20003		628		644				692
E201.3	Ten Site below MDA C	WT		UF	GU0404E201303		17.5		17				19
E201.3	Ten Site below MDA C	WT		UF	GU0404E201304		83.5		92				90.5
E201.3	Ten Site below MDA C	WT		UF	GU0404E201305		30.8		24.4				28.4
E201.3	Ten Site below MDA C	WT		UF	GU0407E201301		1760		2540		2260		1860
E201.3	Ten Site below MDA C	WT		UF	GU0410E201301		12.5		10.9		15		12.5
E227	MDA G-13	WT		UF	GU04080E22701		1550		1450				1460
E248.5	MDA G-6U	WT		UF	GU0404E248502		1540		1260				1080
E248.5	MDA G-6U	WT		UF	GU0407E248501		266		275				263
E248.5	MDA G-6U	WT		UF	GU0408E248501		3780		3980		3840		3760
E248.5	MDA G-6U	WT		UF	GU0409E248501		628		654		642		632
E249	MDA G-4	WT		UF	GU04080E24901		1610		1620				1700
E249.5	MDA G-7	WT		UF	GU0402E249501		51		59				58.5
E249.5	MDA G-7	WT		UF	GU0406E249501		148		144				144
E249.5	MDA G-7	WT		UF	GU0407E249501		52		58				56.8
E249.5	MDA G-7	WT		UF	GU0408E249501		165		179		176		167
E249.5	MDA G-7	WT		UF	GU0408E249502		784		796				786
E249.5	MDA G-7	WT		UF	GU0408E249503		52		58				58
E249.5	MDA G-7	WT		UF	GU0408E249504		38		33				35
E249.5	MDA G-7	WT		UF	GU0408E249505		183		191				184
E249.5	MDA G-7	WT		UF	GU0409E249501		320		352				351

Table 8. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Suspended Sediment Concentration

Analyte Desc	Suspended Sediment Concentration			Anyl Meth Code		EPA:160.2		EPA:160.2		EPA:160.2		EPA:160.2	
				Analyte		SSC		SSC		SSC		SSC	
				Std Uom		mg/L		mg/L		mg/L		mg/L	
				Lab Sample Type Code		CS		DUP		QUD		TRP	
						Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Sample Id								
E249.5	MDA G-7	WT		UF	GU0409E249502		25.5		30		30		30
SS0264	LA-SMA-1 (B)	WT		UF	GU04080262501		18600		17000				14400
SS0264	LA-SMA-1 (B)	WT		UF	GU0408K026401		12300		15000				12200
SS0264	LA-SMA-1 (B)	WT		UF	GU0408K026402		9620		11100				9180
SS0264	LA-SMA-1 (B)	WT		UF	GU0408K026403		6290		4160		6760		5820
SS0264	LA-SMA-1 (B)	WT		UF	GU0408K026404		9270		9070		8600		8430
SS0264	LA-SMA-1 (B)	WT		UF	GU0409K026401		6940		6460				6200
SS0265	LA-SMA-2	WT		UF	GU0408K026501		163		155				156
SS0265	LA-SMA-2	WT		UF	GU0408K026502		199		194				199
SS0265	LA-SMA-2	WT		UF	GU0408K026503		1240		1740		1460		1700
SS0265	LA-SMA-2	WT		UF	GU0408K026504		166		170				164
SS0266	LA-SMA-3	WT		UF	GU0408K026601		2070		2010		2080		2230
SS0266	LA-SMA-3	WT		UF	GU0408K026602		228		228				236
SS0266	LA-SMA-3	WT		UF	GU0409K026601		1280		1420		1240		1420
SS0266	LA-SMA-3	WT		UF	GU0410K026601		344		352				368
SS0267	LA-SMA-4	WT		UF	GU0408K026701		1320		1360		1280		1380
SS0267	LA-SMA-4	WT		UF	GU0408K026702		1320		1360				1440
SS0267	LA-SMA-4	WT		UF	GU0408K026703		2980		3250		3140		3120
SS0267	LA-SMA-4	WT		UF	GU0409K026701		1230		1170		1220		1280
SS0267	LA-SMA-4	WT		UF	GU0409K026702		362		438		424		356
SS0267	LA-SMA-4	WT		UF	GU0409K026703		1600		1650				1560
SS0268	LA-SMA-5	WT		UF	GU0408K026801		8060		9120				8980
SS0269	LA-SMA-6	WT		UF	GU0408K026901		7120		12500				11900
SS0269	LA-SMA-6	WT		UF	GU0409K026901		6320		6230		6270		6210
SS037	LA-SMA-10	WT		UF	GU04100K03701		674		754				702
SS0385	DP-SMA-1	WT		UF	GU0408K038501		2680		2520				2400
SS0385	DP-SMA-1	WT		UF	GU0408K038502		3190		3160				3070
SS0385	DP-SMA-1	WT		UF	GU0410K038501		1230		1250		1230		1240
SS067	B-SMA-1	WT		UF	GU04080K06701		3610		3020				3290
SS067	B-SMA-1	WT		UF	GU04080K06702		3320		3760		3470		3800
SS067	B-SMA-1	WT		UF	GU04080K06703		8630		7380		7280		7110
SS067	B-SMA-1	WT		UF	GU04080K06704		3600		12000				4080

Table 8. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Suspended Sediment Concentration

Analyte Desc	Suspended Sediment Concentration			Anyl Meth Code		EPA:160.2		EPA:160.2		EPA:160.2		EPA:160.2	
				Analyte		SSC		SSC		SSC		SSC	
				Std Uom		mg/L		mg/L		mg/L		mg/L	
				Lab Sample Type Code		CS		DUP		QUD		TRP	
						Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Sample Id								
SS067	B-SMA-1	WT		UF	GU04080K06705		3110		2940				3010
SS12292	S-SMA-3	WT		UF	GU0409K122901		2360		2170		2100		2120
SS1238	S-SMA-4	WT		UF	GU0408K123801		2590		2460		2920		2730
SS1238	S-SMA-4	WT		UF	GU0408K123802		1040		1150				1070
SS1238	S-SMA-4	WT		UF	GU0408K123803		187		153				154
SS1238	S-SMA-4	WT		UF	GU0408K123804		275		281		276		277
SS1245	S-SMA-5	WT		UF	GU0408K124501		2840		2460		2570		2710
SS1248	S-SMA-6	WT		UF	GU0408K124802		22500		19100		25100		21100
SS198	M-SMA-1	WT		UF	GU04080K19801		660		718				760
SS198	M-SMA-1	WT		UF	GU04080K19802		580		530				546
SS198	M-SMA-1	WT		UF	GU04080K19803		172		164		340		158
SS198	M-SMA-1	WT		UF	GU04090K19801		138		140				137
SS198	M-SMA-1	WT		UF	GU04090K19802		132		183				148
SS198	M-SMA-1	WT		UF	GU04090K19803		434		454				408
SS198	M-SMA-1	WT		UF	GU04100K19801		59		64				62.5
SS198	M-SMA-1	WT		UF	GU04100K19802		100		102				110
SS1984	M-SMA-2	WT		UF	GU0408K198401		2140		1880				2520
SS1984	M-SMA-2	WT		UF	GU0408K198402		1040		946				1040
SS1985	M-SMA-3	WT		UF	GU0408K198501		1380		1010				925
SS1985	M-SMA-3	WT		UF	GU0408K198502		2750		1970				2180
SS1985	M-SMA-3	WT		UF	GU0409K198501		1320		1420				1400
SS1987	M-SMA-4	WT		UF	GU0408K198701		6030		5160				4890
SS1987	M-SMA-4	WT		UF	GU0408K198702		123		129				125
SS1987	M-SMA-4	WT		UF	GU0408K198703		8520		5930				6250
SS1987	M-SMA-4	WT		UF	GU0409K198701		304		308				316
SS1987	M-SMA-4	WT		UF	GU0410K198702		436		456				472
SS1987	M-SMA-4	WT		UF	GU0410K198703		22.7		22.7				25.3
SS1987	M-SMA-4	WT		UF	GU0410K198704		66		61		65		65
SS199	M-SMA-5	WT		UF	GU04080K19901		2630		3530				3640
SS199	M-SMA-5	WT		UF	GU04080K19903		1200		1380		1270		1390
SS199	M-SMA-5	WT		UF	GU04090K19902		1560		1620				1630
SS199	M-SMA-5	WT		UF	GU04100K19901		2610		2820				2800

Table 8. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Suspended Sediment Concentration

Analyte Desc	Suspended Sediment Concentration			Anyl Meth Code		EPA:160.2		EPA:160.2		EPA:160.2		EPA:160.2	
				Analyte		SSC		SSC		SSC		SSC	
				Std Uom		mg/L		mg/L		mg/L		mg/L	
				Lab Sample Type Code		CS		DUP		QUD		TRP	
						Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Sample Id								
SS199	M-SMA-5	WT		UF	GU04100K19902		728		676				728
SS1991	M-SMA-6	WT		UF	GU0408K199101		2430		2620		2580		2360
SS1991	M-SMA-6	WT		UF	GU0408K199102		315		310				319
SS1991	M-SMA-6	WT		UF	GU0408K199103		1440		1510				1440
SS1991	M-SMA-6	WT		UF	GU0408K199104		1220		1260				1190
SS2001	M-SMA-9	WT		UF	GU0408K200101		1110		1160				1250
SS2001	M-SMA-9	WT		UF	GU0408K200102		1480		1580				1490
SS2001	M-SMA-9	WT		UF	GU0409K200102		972		1020				980
SS2001	M-SMA-9	WT		UF	GU0410K200101		1140		1310		1240		1220
SS2001	M-SMA-9	WT		UF	GU0410K200102		324		330				368
SS2003	M-SMA-11	WT		UF	GU0408K200301		1380		1540				1570
SS2003	M-SMA-11	WT		UF	GU0408K200302		610		572				588
SS2003	M-SMA-11	WT		UF	GU0408K200303		1780		1980				1940
SS2003	M-SMA-11	WT		UF	GU0409K200301		556		624				632
SS2003	M-SMA-11	WT		UF	GU0409K200303		836		852				844
SS2003	M-SMA-11	WT		UF	GU0410K200302		404		444				416
SS2004	M-SMA-12	WT		UF	GU0410K200401		104		44				60
SS20134	T-SMA-3	WT		UF	GU04082013401		7940		7460		7780		5250
SS20134	T-SMA-3	WT		UF	GU04082013402		1170		1130				1220
SS20134	T-SMA-3	WT		UF	GU04082013403		420		482				485
SS20134	T-SMA-3	WT		UF	GU04082013404		1620		1110		1360		1220
SS20134	T-SMA-3	WT		UF	GU04082013405		1550		1290				1150
SS20136	T-SMA-4	WT		UF	GU04082013601		547		663		607		710
SS20136	T-SMA-4	WT		UF	GU04102013601		812		856		836		816
SS20136	T-SMA-4	WT		UF	GU04102013602		228		234				244
SS20138	T-SMA-5	WT		UF	GU0408K201301		1660		2000		2020		1820
SS20138	T-SMA-5	WT		UF	GU0409K201301		1490		1550				1570
SS20138	T-SMA-5	WT		UF	GU0410K201301		724		872				872
SS20142	Pratt-SMA-1	WT		UF	GU04082014201		10500		12800				11700
SS20142	Pratt-SMA-1	WT		UF	GU04082014203		2520		2480				2460
SS20142	Pratt-SMA-1	WT		UF	GU04082014204		7120		7250		7180		7180
SS20142	Pratt-SMA-1	WT		UF	GU04092014201		2350		2150				2270

Table 8. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Suspended Sediment Concentration

Analyte Desc	Suspended Sediment Concentration			Anyl Meth Code		EPA:160.2		EPA:160.2		EPA:160.2		EPA:160.2	
				Analyte		SSC		SSC		SSC		SSC	
				Std Uom		mg/L		mg/L		mg/L		mg/L	
				Lab Sample Type Code		CS		DUP		QUD		TRP	
						Sym	Result	Sym	Result	Sym	Result	Sym	Result
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Sample Id								
SS20142	Pratt-SMA-1	WT		UF	GU04102014201		1920		2050				2040
SS20142	Pratt-SMA-1	WT		UF	GU04102014202		648		644				660
SS205	M-SMA-13	WT		UF	GU04080K20501		2420		2520				2650
SS205	M-SMA-13	WT		UF	GU04080K20502		9670		9680				8580
SS205	M-SMA-13	WT		UF	GU04080K20503		12700		7590				9290
SS205	M-SMA-13	WT		UF	GU04080K20504		11100		12300				10400
SS205	M-SMA-13	WT		UF	GU04090K20501		4310		4350		4310		4280
SS205	M-SMA-13	WT		UF	GU04100K20501		1370		1380				1370
SS2185	CDB-SMA-1	WT		UF	GU0408K218502		1700		1480				1260
SS2185	CDB-SMA-1	WT		UF	GU0410K218501		1320		1320				1380
SS2185	CDB-SMA-1	WT		UF	GU0410K218502		392		274		276		376
SS2188	CDB-SMA-2	WT		UF	GU0408K218801		1580		1650				1540

Table 9. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Detected Organics

Location Synonym	Location Name	Sample Id	Analyte	Analyte Desc	Anyl Meth Code	Result	Std Uom	Sym	Fld Matrix Code	Fld QC Type Code	Lab SampleType Code	Lab Qual Code	Valid Flag Code
E227	MDA G-13	GU04080E22701	62-53-3	Aniline	EPA:625	4.6	ug/L		WT		CS	J	J-
E249.5	MDA G-7	GU0408E249502	117-84-0	Di-n-octylphthalate	EPA:625	2.6	ug/L		WT		CS	J	
E249.5	MDA G-7	GU0408E249503	117-84-0	Di-n-octylphthalate	EPA:625	2	ug/L		WT		CS	J	J
E249.5	MDA G-7	GU0408E249503	117-81-7	Bis(2-ethylhexyl)phthalate	EPA:625	4.2	ug/L		WT		CS	J	J
E249.5	MDA G-7	GU0408E249504	591-78-6	Hexanone[2-]	EPA:624	1.9	ug/L		WT		CS	J	
E249.5	MDA G-7	GU0408E249504	78-93-3	Butanone[2-]	EPA:624	7.4	ug/L		WT		CS		
E249.5	MDA G-7	GU0409E249501	78-93-3	Butanone[2-]	EPA:624	9.6	ug/L		WT		CS		
E249.5	MDA G-7	GU0409E249501	591-78-6	Hexanone[2-]	EPA:624	1.6	ug/L		WT		CS	J	
E249.5	MDA G-7	GU0409E249501	67-64-1	Acetone	EPA:624	50.1	ug/L		WT		CS		J-
E249.5	MDA G-7	GU0409E249501-FTB	108-88-3	Toluene	EPA:624	1.2	ug/L		WT		CS		
E249.5	MDA G-7	GU0408E249504	67-64-1	Acetone	EPA:624	48	ug/L		WT		CS		
E249.5	MDA G-7	GU0408E249504	91-20-3	Naphthalene	EPA:624	0.26	ug/L		WT		CS	J	
E249.5	MDA G-7	GU0408E249502	108-95-2	Phenol	EPA:625	11.8	ug/L		WT		CS	J	
E249.5	MDA G-7	GU0408E249502	108-95-2	Phenol	EPA:625	7.2	ug/L		WT		RE	J	
SS0265	LA-SMA-2	GU0408K026501	11097-69-1	Aroclor-1254	EPA:608	1.6	ug/L		WT		CS		J-
SS0265	LA-SMA-2	GU0408K026503	11097-69-1	Aroclor-1254	EPA:608	3.8	ug/L		WT		CS		
SS0265	LA-SMA-2	GU0408K026504	11097-69-1	Aroclor-1254	EPA:608	2.2	ug/L		WT		CS		
SS0265	LA-SMA-2	GU0408K026501	11097-69-1	Aroclor-1254	EPA:608	1.6	ug/L		WT		CS		J-
SS0265	LA-SMA-2	GU0408K026502	11097-69-1	Aroclor-1254	EPA:608	2.4	ug/L		WT		CS		
SS0265	LA-SMA-2	GU0408K026501	11097-69-1	Aroclor-1254	EPA:608	1.6	ug/L		WT		CS		J-
SS0268	LA-SMA-5	GU0408K026801	11096-82-5	Aroclor-1260	EPA:608	0.28	ug/L		WT		CS		
SS0269	LA-SMA-6	GU0408K026901	11096-82-5	Aroclor-1260	EPA:608	0.058	ug/L		WT		CS	J	J
SS1245	S-SMA-5	GU0408K124501	11096-82-5	Aroclor-1260	EPA:608	0.21	ug/L		WT		CS		J
SS20142	Pratt-SMA-1	GU04092014201	11097-69-1	Aroclor-1254	EPA:608	0.21	ug/L		WT		CS	P	J+
SS2185	CDB-SMA-1	GU0410K218502	206-44-0	Fluoranthene	EPA:625	0.54	ug/L		WT		RE	J	J
SS2185	CDB-SMA-1	GU0410K218502	129-00-0	Pyrene	EPA:625	0.58	ug/L		WT		RE	J	J

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:900				EPA:900			
						Analyte	GROSSA				GROSSB			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		5.79	0.826	2.05		14.8	0.806	1.67
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		24.7	3.15	5.85		40	4.06	11.3
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		32	3.42	8.3		55.3	2.12	4.38
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102								
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101								
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		26.8	2.07	2.55		40.5	1.17	1.69
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		39.4	2.13	1.58		59.5	1.85	2.19
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		751	30	4.49		140	4.9	8.3
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		74	5.72	6.63		91.8	5.2	9.93
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20002								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201305		1.34	0.319	0.84		5.65	0.681	1.92
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301								
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303								
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201305								
E227	MDA G-13	WT		UF	CS	GU04080E22701								
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502								
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501								
E248.5	MDA G-6U	WT		UF	CS	GU0408E248501		132	7.54	3.17		181	4.97	5.41
E249	MDA G-4	WT		UF	CS	GU04080E24901								
E249.5	MDA G-7	WT		UF	CS	GU0408E249501		2.55	0.413	0.936		15.2	0.813	1.85

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:900				EPA:900			
						Analyte	GROSSA				GROSSB			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E249.5	MDA G-7	WT		UF	CS	GU0408E249505		6.3	0.716	1.38		14.4	0.681	1.35
E249.5	MDA G-7	WT		UF	CS	GU0409E249501		3.45	0.664	1.47		14.8	1.47	3.18
E249.5	MDA G-7	WT		UF	CS	GU0409E249502		5.93	0.676	1.23		18.2	0.724	1.24
E249.5	MDA G-7	WT		UF	DUP	GU0409E249501								
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		108	8.54	9.22		147	4.47	6.58
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		312	23.7	37.2		608	25.3	49.7
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		287	19.7	22.1		620	21.2	33.7
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		143	8.96	10.7		215	25.4	69.6
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		26.5	3.22	7.21		34.8	6.83	20.1
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		168	12.7	19.5		369	12.3	22
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0409K026401		35.8	3.29	5.66		42.1	2.83	6.36
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		7.92	0.8	1.62		14.6	0.886	2.08
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		6.15	1.64	4.53		16.5	3.28	10.1
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		25.5	2.55	3.87		31.8	3.51	10
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		11.4	2.69	6.99		15.4	3.03	9.59
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503								
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		56.4	4.09	7.11		101	4.55	9.84
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		8.15	2.27	6.43		5.7	2.68	9.8
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		9.41	1.08	2.12		18.7	0.889	1.91
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		11.3	1.32	2.53		22.2	2.04	5.61
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601								
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		66.4	3.96	3.78		46.3	4.1	11.1
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		210	10.4	9.62		165	10.1	12.1
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		40.4	3.92	5.44		41.9	2.83	6.29
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026702		46.6	4.28	6.73		64.6	2.4	4.47
SS0267	LA-SMA-4	WT		UF	CS	GU0410K026701								
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702								
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701								
SS0267	LA-SMA-4	WT		UF	DUP	GU0410K026701								
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		161	8.7	7.09		301	7.98	12.5
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		127	8.02	6.5		276	4.42	2.47
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		197	14.8	20.4		432	17.4	19.7
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		128	6.59	6.76		187	7.15	11.6
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038501								

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:900				EPA:900			
						Analyte	GROSSA				GROSSB			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502								
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		47.1	2.74	1.3		80.3	2.45	3.8
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		31.4	1.85	1.01		54.9	1.81	2.42
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		6.26	1.08	1.11		13	0.93	2.24
SS1238	S-SMA-4	WT		UF	CS	GU0408K123805		144	13	4.26		251	8.2	10.7
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		253	17.4	5.13		480	13.1	12
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		13	2.75	7.45		28.3	3.54	10.1
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		25.2	5.17	15		124	6.43	13.7
SS198	M-SMA-1	WT		UF	CS	GU04090K19802		3.28	0.573	1.36		9.51	0.609	1.47
SS198	M-SMA-1	WT		UF	CS	GU04090K19803								
SS198	M-SMA-1	WT		UF	CS	GU04100K19801								
SS198	M-SMA-1	WT		UF	CS	GU04100K19802								
SS198	M-SMA-1	WT		UF	DUP	GU04090K19801		10.2	4.8	16.1		64.3	4.99	12.9
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		66	3.97	2.42		120	3.23	4.63
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		42.3	4.27	5.74		57.8	4.03	10.4
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		112	10.9	27.7		238	10.8	22
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		89.4	6.37	4.95		163	5.72	11.1
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		36.1	3.6	6.25		91	3.14	4.19
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		36.6	1.79	1.46		80.1	2.61	3.67
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		65	4.36	4.62		135	4.09	4.58
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		11.4	1.13	1.6		22	1.56	3.92
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702		8.73	1.2	2.82		13.4	1.8	5.32
SS1987	M-SMA-4	WT		UF	CS	GU0410K198703								
SS1987	M-SMA-4	WT		UF	CS	GU0410K198704		1	0.379	1		4.15	0.661	1.99
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198702		4.26	0.867	2.07		7.57	1.67	5.21
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198704								
SS199	M-SMA-5	WT		UF	CS	GU04090K19901								
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		202	12	8.32		287	8.26	11.1
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		237	33.9	3.34		205	5.11	5.97
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		49	5.96	5.78		89	4.03	8.6
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		2.79	3.59	12		30.5	3.52	10.1
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		56	4.05	3.69		88.3	4.18	7.92
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		17.2	2.81	6.53		34.8	3.6	9.09
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101								
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		62.5	5.49	6.72		93.4	6.5	10.3
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		41.4	3.13	2.54		59.7	1.84	2.74

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:900				EPA:900			
						Analyte	GROSSA				GROSSB			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101		35.8	4.29	4.49		76.1	3.13	5.59
SS2001	M-SMA-9	WT		UF	CS	GU0410K200102		18	1.9	3.49		35.6	2.31	5.69
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		96	6.93	6.85		138	5.97	8.96
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		26.7	3.48	6.67		38.3	2.67	5.97
SS2003	M-SMA-11	WT		UF	CS	GU0409K200302								
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		141	13.3	4.86		281	6.73	5.52
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		8.97	0.77	0.945		16.2	1.02	2.22
SS2003	M-SMA-11	WT		UF	CS	GU0410K200302		26.2	1.97	2.76		39.2	2.23	5.49
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301								
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		12.7	1.72	4.39		25.2	2.29	6.42
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		43	4.06	6.38		65.3	1.96	2.59
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		27.5	1.75	1.45		52.6	1.88	2.89
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		24.5	2.44	4.1		63.4	3.76	8.9
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		115	7.61	5.81		206	11.9	11.5
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		56.3	4.14	6		73	4.51	8.28
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		58.7	3.77	3.21		70.2	1.94	2.73
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		19.3	2.26	3.54		37.2	1.47	2.56
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		15.5	1.81	4.4		31	1.94	4.82
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		7.83	1.29	2.77		14.4	1.95	4.77
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601								
SS20138	T-SMA-5	WT		UF	CS	GU0409K201301		32.4	3.84	7.29		44.8	3.02	6.97
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		32	2.49	2.54		45.5	2.54	4.84
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		58.9	6.87	3.58		472	5.25	2.02
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		142	13.3	6.23		426	12.1	14.8
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		121	9.87	8.18		277	8.23	8.19
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		123	9.09	4.51		215	8.74	9.1
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014201		67.8	4.02	5.16		188	5.57	5.29
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202								
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04092014201		105	6.37	5.99		262	9.79	9.03
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		50.3	6.36	14.5		123	8.67	21.9
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		604	40.8	13.3		1140	31.3	26.9
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		84.4	6.29	8.35		117	5.64	9.94
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		119	10.4	12.5		253	8.49	16.2
SS205	M-SMA-13	WT		UF	CS	GU04100K20501								
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		21.9	1.46	2.07		43.5	1.16	1.51

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:900				EPA:900			
						Analyte	GROSSA				GROSSB			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		38.2	3.22	3.79		78.6	3.37	7.37
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		38.2	3.28	3.5		66.1	2.66	4.98
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		8.73	1.52	3.25		27.1	1.87	4.73
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		78.7	4.24	3.07		151	11.2	2.89

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				EPA:901.1			
						Analyte	Co-60				Cs-137				K-40			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		-1.2	1.01	3.38		1.12	0.972	3.43		72.7	13.2	53.4
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		-1.63	1.49	5.02		0.715	1.37	4.86		7.59	45	49.8
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		0.382	1.13	4.09		1.82	1.07	3.91		21	23.5	36.5
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		1.96	0.995	3.74		1.9	0.946	3.42		36.7	21	29
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		1.51	1.17	4.4		-0.706	1.03	3.55		75.8	29.5	37.5
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		-0.957	1.09	3.16		10.3	1.71	2.74		4.93	22.3	31
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		-1.33	1.34	4.64		23.7	3.52	4.81		44.9	27.8	47.5
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		-0.991	0.87	2.9		5.79	1.24	3.27		17.2	26.2	27.9
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		-1.34	1.05	3.53		33	2.49	3.49		71.1	29.2	33.8
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001												
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001												
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20002												
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303												
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201305		8.55	2.3	5.77		1.86	1.45	5.24		10.8	35.5	70.2
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301												
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303												
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201305												
E227	MDA G-13	WT		UF	CS	GU04080E22701												
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502												
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501												
E248.5	MDA G-6U	WT		UF	CS	GU0408E248501		-2.38	1.11	3.56		0.809	1.09	3.9		99.3	25	42.9
E249	MDA G-4	WT		UF	CS	GU04080E24901												
E249.5	MDA G-7	WT		UF	CS	GU0408E249501		0.544	1.14	4.17		2.43	1.24	3.33		67.2	13.7	56.8

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				EPA:901.1			
						Analyte	Co-60				Cs-137				K-40			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
E249.5	MDA G-7	WT		UF	CS	GU0408E249505		1.42	0.923	3.47		6.14	1.08	4.06		61.8	11.1	44.8
E249.5	MDA G-7	WT		UF	CS	GU0409E249501		1.32	1.19	4.48		0.818	1.17	4.09		38.1	35.1	37.6
E249.5	MDA G-7	WT		UF	CS	GU0409E249502		3.7	1.39	5.04		2.35	1.4	5.09		709	51.1	44.6
E249.5	MDA G-7	WT		UF	DUP	GU0409E249501												
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		9.15	1.31	5.43		0.663	0.893	3.17		363	31.2	30.8
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		2.1	1.16	4.4		1.62	1.07	3.81		423	34	37.4
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		1.26	1.39	5.26		-0.0863	1.32	4.7		62	24.4	82.5
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		73.7	4.15	3.79		0.817	1.2	3.67		34.3	25.5	34.3
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		1.64	1.26	4.76		1.18	1.15	4.07		124	33.3	40.4
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501												
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401												
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		74	4.15	3.4		3.62	1.67	3.56		78.1	26.3	31.4
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0409K026401												
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		1.24	1.02	3.88		0.831	2.14	3.69		29.5	25.8	39.2
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		1.14	0.873	3.21		0.524	0.889	3.04		29.3	21.6	27
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		-0.478	1.36	4.97		4.33	3.02	4.67		48.3	26.2	60.9
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		-0.255	0.957	3.3		0.369	0.894	3.07		69.1	12.4	48.9
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503		9.69	1.74	7.28		-0.211	1.09	3.84		54.6	29.9	45.5
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		0.0653	2.49	4.99		0.565	0.859	3.06		78.9	20.2	28.5
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		1.61	2.37	3.22		-0.229	0.818	2.85		60.8	11.6	47.1
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		8.1	1.52	6.28		1.46	0.974	3.61		73.7	24	34.4
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		3.09	2.67	7.61		-1.04	1.32	4.53		92.6	17.7	75.8
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601												
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		0.588	0.935	3.37		0.869	0.915	3.2		26.3	24.8	33.5
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		-1.54	1.49	5.07		1.13	1.06	4.56		61.2	36.9	55.6
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		1.74	2.6	9.27		0.362	2.5	8.46		187	40.6	128
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026702												
SS0267	LA-SMA-4	WT		UF	CS	GU0410K026701												
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702												
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701												
SS0267	LA-SMA-4	WT		UF	DUP	GU0410K026701												
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		0.0721	1.21	4.34		1.21	1.14	4.11		82.8	40	42.3
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		-0.351	1.57	5.58		5.77	1.9	4.72		207	35.2	48.4
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		-0.789	2.53	7.8		37.6	4.46	5.82		77.4	43.5	71.6
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		3.11	1.33	5		56.6	5.2	4.58		108	35.1	44
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038501												

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				EPA:901.1			
						Analyte	Co-60				Cs-137				K-40			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502												
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		0.327	1.25	4.55		0.71	1.21	4.29		98.9	32.9	42
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		1.24	1.25	4.83		0.411	1.38	4.91		98.8	28.1	48.9
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		-0.62	1.36	4.83		0.946	1.35	4.86		28.1	14.2	55.1
SS1238	S-SMA-4	WT		UF	CS	GU0408K123805		8.07	1.34	5.55		-0.573	0.975	3.36		108	23.5	32.5
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		0.489	1.23	4.39		-0.0218	1.18	3.51		206	34.7	34.6
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		0.504	0.859	3.08		-0.0985	0.854	2.87		79.5	11.4	45.9
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		1.01	1.25	4.65		-1.48	1.12	3.77		2.14	28.1	48.2
SS198	M-SMA-1	WT		UF	CS	GU04090K19802												
SS198	M-SMA-1	WT		UF	CS	GU04090K19803												
SS198	M-SMA-1	WT		UF	CS	GU04100K19801												
SS198	M-SMA-1	WT		UF	CS	GU04100K19802												
SS198	M-SMA-1	WT		UF	DUP	GU04090K19801												
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		-1.49	1.81	6.38		3.28	1.64	6.09		66.4	43	58.5
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		0.654	1.55	5.84		0.506	1.63	5.86		20	32.1	40.1
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		-1.08	1.86	6.71		1.06	1.6	6.05		103	34.2	50.9
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		1.36	2.25	8.56		-1.97	1.82	6.31		29.4	31.6	71.4
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		2.37	1.22	4.75		0.0147	1.26	4.37		48.6	30.8	43.7
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		-1.39	2.3	7.01		-1.78	2.03	7.05		56.9	41.9	89.6
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		-0.499	1.21	4.28		2.27	1.25	4.56		124	31.1	37.9
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		-0.0621	0.914	3.19		0.85	0.898	3.14		47	11.6	45
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702		0.3	1.33	4.77		-1.86	1.15	3.82		39.8	22.4	43
SS1987	M-SMA-4	WT		UF	CS	GU0410K198703												
SS1987	M-SMA-4	WT		UF	CS	GU0410K198704		-0.174	0.634	2.25		0.0178	0.647	2.22		9.38	14.9	22.7
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198702												
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198704		1.4	1.1	4.37		2.93	1.02	4.1		23.4	14.9	34.5
SS199	M-SMA-5	WT		UF	CS	GU04090K19901												
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		-0.406	1.06	3.69		10.6	1.99	3.38		102	15.8	65.6
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		4.39	1.37	5.26		12.1	3.35	4.05		28.6	35.7	44.1
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		8.07	1.24	5.17		-0.0885	0.89	3.1		93.6	23.5	29.5
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		1.15	0.862	3.22		0.725	0.867	3.02		17.7	22.7	29.6
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		-0.96	1.08	3.66		-0.462	1.02	3.4		51.2	23	39.5
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		0.39	0.916	3.31		-0.257	0.868	3.01		4.13	19.7	33.9
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101												
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		1.21	1.08	3.98		-0.32	1.26	3.78		25.8	32.6	34
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		0.316	0.953	3.11		0.375	1.97	3.31		85.1	14.6	59.6

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				EPA:901.1			
						Analyte	Co-60				Cs-137				K-40			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101		-0.973	1.85	6.78		2.22	2.26	8.34		85.3	26	114
SS2001	M-SMA-9	WT		UF	CS	GU0410K200102		0.314	3.39	5.2		-0.3	1.72	6.27		96.8	43.5	61.2
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		-1.32	1.06	3.54		17.1	2.37	3.12		39	24.5	39.1
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		0.607	1.53	5.48		32.4	2.86	9.6		21.9	31	55.7
SS2003	M-SMA-11	WT		UF	CS	GU0409K200302												
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		-0.128	1.2	4.28		3.99	1.75	4.01		80.1	31.7	35
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		-2.36	1.3	4.13		0.483	1.25	4.4		45.2	31.3	48
SS2003	M-SMA-11	WT		UF	CS	GU0410K200302		0.207	2.04	7.7		0.314	1.8	6.59		24.8	28.6	70.2
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301												
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		0.789	1.77	7.15		2.52	2	7.61		23.7	24.2	95.8
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		1.7	1.82	7.2		-1.62	1.69	5.63		69.3	40.1	55.2
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		1.62	1.14	4.29		-0.577	1.1	3.67		24.9	23.9	35.3
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		-0.733	1.04	3.57		0.518	1.01	3.57		6.61	21	35.2
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		1.2	0.907	3.4		1.82	1.83	2.93		56.6	26.8	30.6
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		-1.97	1.31	4.24		32	2.59	8.12		30.4	37.6	39.4
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		1.12	1.02	3.84		0.269	1.02	3.53		49.6	25	36.4
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		0.332	2.14	8.04		-1.44	1.92	6.73		66.3	26.3	108
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		3.54	2.36	7.05		1.11	1.47	5.31		130	20.2	87.7
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		0.505	1.2	4.29		-0.087	1.11	3.8		6.38	25.6	40.3
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		0.0037	1.25	4.63		0.37	1.35	4.76		41.8	18.2	71.7
SS20138	T-SMA-5	WT		UF	CS	GU0409K201301		-0.787	1.47	5.22		-0.535	1.77	5.37		113	31.1	53.1
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		0.627	1.21	3.86		1.46	1.06	3.8		44.2	14.4	55.5
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		1.24	1.33	4.9		1.22	1.28	4.47		217	30.5	39.8
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		0.981	2.36	5.41		-0.203	0.796	2.78		44.9	20.3	28.5
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		1.17	0.966	3.56		7.17	1.87	3.24		58.4	25.5	32.4
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		0.738	1.76	6.91		2.4	3.34	6.26		75.6	44.9	57.4
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014201		0.18	2.12	7.89		-0.437	1.75	6.16		38.6	34.7	69.6
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202												
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04092014201												
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		-1.15	1.03	3.49		1.78	1.73	3.25		307	31.4	33.6
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		0.329	0.967	3.48		0.225	0.916	3.19		74.4	25.4	31.5
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		0.731	1.02	3.73		2.09	1.46	3.13		141	32.7	36.5
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		2.49	1.35	3.96		3.18	1.39	3.68		165	31.3	31.6
SS205	M-SMA-13	WT		UF	CS	GU04100K20501												
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501		0.477	1.05	3.84		5.1	2.14	3.58		109	31.6	34.3
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		1.37	1.92	7.48		8.16	3.14	6.45		121	32.6	69.4

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				EPA:901.1			
						Analyte	Co-60				Cs-137				K-40			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		-0.238	0.93	3.23		0.181	0.889	3.02		15.4	21.7	28.8
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		2.11	2.82	3.15		-0.776	1.89	6.57		10.1	38.1	64
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		-0.247	1.14	4.07		0.444	1.34	4.17		81.1	33.5	45.6
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		5.17	2.14	9.08		1.43	2.9	6.49		57.1	41.9	86.9

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				Generic:Alpha-Spec			
						Analyte	Na-22				Np-237				Am-241			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		0.705	1.27	3.67		-1.01	6.63	22.1		0.0114	0.00541	0.03
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		0.983	1.39	5.3		22.1	9.71	33.2		0.00953	0.0147	0.038
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		-0.609	1.08	3.78		-1.38	8.03	24.1		0.0139	0.0107	0.031
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		-0.955	1.16	3.37		1.17	6.62	19.9		0.00937	0.011	0.037
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		-0.978	1.29	4.41		0.647	4.47	15.4				
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		0.883	0.933	3.44		1.98	10	21.5		7.02	0.414	0.032
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		-0.27	1.35	4.88		10.1	5.64	15.6		14.1	0.803	0.246
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		-0.712	0.782	2.65		-7.49	5.62	18.2		44.5	2.78	1.21
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		0.0791	1.04	3.69		-14.4	7.92	24.7		9.18	0.478	0.045
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001												
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001										15	0.846	0.245
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20002										40.6	2.76	1.44
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303												
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201305		-1.21	1.45	5.02		-4.1	9.95	32.9		0.0504	0.0111	0.041
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301												
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303												
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201305										0.032	0.00846	0.038
E227	MDA G-13	WT		UF	CS	GU04080E22701												
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502												
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501												
E248.5	MDA G-6U	WT		UF	CS	GU0408E248501		0.716	0.987	3.68		9.56	9.87	22		0.466	0.043	0.038
E249	MDA G-4	WT		UF	CS	GU04080E24901												
E249.5	MDA G-7	WT		UF	CS	GU0408E249501		0.713	1.21	3.68		8.89	7.42	24.4		0.333	0.0307	0.03

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				Generic:Alpha-Spec			
						Analyte	Na-22				Np-237				Am-241			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
E249.5	MDA G-7	WT		UF	CS	GU0408E249505		1.87	0.78	2.73		-1.39	5.76	20.1		0.137	0.0178	0.029
E249.5	MDA G-7	WT		UF	CS	GU0409E249501		-0.893	1.19	4.1		12.7	9.58	28.8		0.154	0.0201	0.03
E249.5	MDA G-7	WT		UF	CS	GU0409E249502		-1.65	1.41	4.79		24.8	11	33.2		0.0586	0.0123	0.032
E249.5	MDA G-7	WT		UF	DUP	GU0409E249501												
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		0.112	0.947	3.26		9.13	6.34	18.6		0.214	0.0365	0.072
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		0.248	1.09	3.93		15.8	11.1	25.4		0.0174	0.0159	0.046
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		-0.0717	1.42	5.14		-8.97	5.68	18.8		0.00369	0.0169	0.058
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		1.98	1.04	3.9		19.7	11.9	40.7		0.0125	0.0192	0.049
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		1.83	1.23	4.68		-9.8	8.73	28.2		0.0183	0.00871	0.041
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501												
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401												
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403		0.941	0.993	3.62		-8.43	11.5	39.3				
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0409K026401												
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		0.398	1.06	3.87		-0.657	6.67	23.4		0.0192	0.00833	0.034
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		4.08	1.74	3.13		-3.89	5.77	19		0.483	0.0405	0.034
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		0.456	1.35	5.15		-8.04	9.65	33.4		0.0136	0.00805	0.031
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		3.67	2.02	3.13		-1.43	5.11	17.5		0.00579	0.00697	0.031
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503		0.713	1.02	3.8		2.01	7.14	22.7				
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		0.828	0.92	3.29		2.59	5.67	17.9		0.109	0.021	0.043
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		-0.481	0.948	3.18		1.68	5.22	18.2		0.0219	0.00826	0.029
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		0.394	1	3.59		4.67	6.25	22		0.027	0.0084	0.022
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		-1.06	1.26	4.23		12.7	8.98	27.3		0.0562	0.0121	0.031
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601												
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		-0.206	1.05	3.63		9.68	5.47	18.2		3.37	0.215	0.066
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		1.46	1.7	5.72		11.3	10.8	36.3		0.839	0.0614	0.039
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		-1.81	2.29	7.77		6.44	18	53.9		0.25	0.0283	0.037
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026702										0.339	0.0403	0.044
SS0267	LA-SMA-4	WT		UF	CS	GU0410K026701												
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702												
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701										0.41	0.0371	0.031
SS0267	LA-SMA-4	WT		UF	DUP	GU0410K026701												
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		1.29	1.26	4.64		6.42	6.53	13.3		0.108	0.0224	0.05
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		-2.17	1.24	4.05		14.9	5.78	21.2		0.228	0.0351	0.054
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		-1.59	2	6.99		-12	10.8	37.1		5.76	0.545	0.591
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		-1.04	1.25	4.19		9.45	7.78	25.3		19.7	1.39	0.825
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038501										6.42	0.582	0.604

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				Generic:Alpha-Spec			
						Analyte	Na-22				Np-237				Am-241			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502										22.7	1.41	0.607
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		-0.307	1.17	4.18		-1.11	8.4	26.7		0.00232	0.00956	0.037
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		1.52	1.38	5.28		-8.95	8.91	29.4		0	0.0148	0.05
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		-1.82	1.36	4.65		16.3	4.76	14.7		-0.0101	0.0124	0.04
SS1238	S-SMA-4	WT		UF	CS	GU0408K123805		0.207	0.955	3.35		4.53	9.48	19.7		0.061	0.0171	0.04
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		1.18	1.05	3.94		17.2	9.15	27.3		0.0285	0.0223	0.075
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		1.06	0.921	3.34		9.9	5.18	17.5		0.0114	0.0101	0.06
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		2.66	1.14	4.54		12.5	8.57	23.9		0.0268	0.0131	0.035
SS198	M-SMA-1	WT		UF	CS	GU04090K19802										0.02	0.0118	0.033
SS198	M-SMA-1	WT		UF	CS	GU04090K19803												
SS198	M-SMA-1	WT		UF	CS	GU04100K19801												
SS198	M-SMA-1	WT		UF	CS	GU04100K19802												
SS198	M-SMA-1	WT		UF	DUP	GU04090K19801												
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		0.0987	1.88	7.11		12	11.5	41.1		0.101	0.0236	0.069
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		-0.9	1.66	5.92		5.13	10.1	34.7		0.0464	0.0155	0.046
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		0.358	1.68	6.58		-14.6	10.5	35.6		0.129	0.0243	0.042
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		1.12	1.95	7.51		-1.08	6.52	20.2		0.077	0.0177	0.037
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		1.33	1.25	4.67		-6.98	8.41	26.4		0.0804	0.0207	0.036
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		-0.695	1.85	6.86		1.3	15.4	51.6		0.0467	0.0119	0.034
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		0.918	1.29	4.73		15.6	10.2	23.8		0.091	0.0264	0.045
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		-0.632	0.876	2.98		-3.79	5.16	17.8		0.0187	0.0105	0.037
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702		-1.65	1.21	4.05		1.56	7.35	16		0.00606	0.00607	0.032
SS1987	M-SMA-4	WT		UF	CS	GU0410K198703												
SS1987	M-SMA-4	WT		UF	CS	GU0410K198704		0.472	0.634	2.38		-0.839	5.98	19.8		0.0126	0.0151	0.066
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198702												
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198704		-1.73	0.935	3.05		3.32	7.54	27.1				
SS199	M-SMA-5	WT		UF	CS	GU04090K19901												
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		-1.34	1.2	3.38		0.878	9.75	18.8				
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		0.2	1.26	4.64		3.31	9	28.8		0.229	0.0293	0.039
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		-0.715	0.948	3.14		2.13	5.17	18.1		0.0173	0.0106	0.034
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		-1.39	0.808	2.64		-7.46	5.69	18.8		-0.00206	0.00682	0.033
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		-0.237	1.09	3.83		19.7	7.93	26		0.0369	0.0104	0.039
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		0.337	0.875	3.17		3.43	7.03	21.2		0.0137	0.00764	0.031
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101												
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		1.59	1.14	4.22		-1.79	8.11	26.5		0.0624	0.0191	0.052
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		-0.853	0.99	3.41		-5.51	6.83	21		0.0455	0.0145	0.033

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				Generic:Alpha-Spec			
						Analyte	Na-22				Np-237				Am-241			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101		2.56	2.06	8.55		8.13	16.5	50.4		0.0752	0.0177	0.032
SS2001	M-SMA-9	WT		UF	CS	GU0410K200102		0.778	1.86	7.14		-12.3	10.7	36.6		0.0164	0.00717	0.032
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		0.138	1.06	3.74		8.4	5.48	14.1		0.144	0.0302	0.079
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		0.661	1.39	5.03		-1.83	8.78	28.9		0.0309	0.0145	0.033
SS2003	M-SMA-11	WT		UF	CS	GU0409K200302												
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		1.65	1.17	4.42		5.07	8.21	27.9		0.109	0.0211	0.034
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		-0.836	1.34	4.64		18.8	8.15	24.4		0.0478	0.0167	0.038
SS2003	M-SMA-11	WT		UF	CS	GU0410K200302		-2.72	1.78	5.94		-1.16	14	42.7		0.0172	0.015	0.039
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301										0.0159	0.00974	0.031
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		-0.38	1.98	7.41		-19.6	14.6	46.9		0.018	0.00721	0.036
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		-4.1	1.83	5.55		2.79	11.5	39.4		0.00871	0.0195	0.046
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		-0.508	1.05	3.63		-2.13	6.05	20.8		0.0269	0.0118	0.039
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		-0.288	1.09	3.81		-10.2	4.16	13.3		0.0261	0.00921	0.029
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		-0.577	0.987	3.4		-10.8	6.16	20		0.00704	0.0108	0.037
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		-1.21	1.14	3.79		-2.07	7.37	24.2		0.00951	0.00633	0.03
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		-0.258	1.07	3.78		6.59	6.73	23.2		0.0231	0.0119	0.037
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		-0.722	1.82	6.69		-6.26	8.36	25.5		0.0353	0.0114	0.035
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		0.116	1.37	5.06		-4.93	10.2	32.2		0.00809	0.00702	0.032
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		-1.45	1.29	3.62		3.72	6.24	22		-0.00215	0.0057	0.034
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		-1.64	1.43	4.85		19.3	14.7	28.9		0.0205	0.0105	0.032
SS20138	T-SMA-5	WT		UF	CS	GU0409K201301		-0.118	1.55	5.62		8.33	9.79	31.8		0.0484	0.0173	0.048
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		2.05	0.807	3.56		15.2	6.16	22.1		0.0453	0.0223	0.065
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		0.387	1.48	4.64		16.4	8.86	29.5		0.0806	0.0157	0.042
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		-2.19	0.971	2.95		-10	5.47	18.2		0.00915	0.0107	0.036
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		-1.93	1.01	3.23		-2.71	5.55	19.2		0.0959	0.0173	0.045
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		3.13	3	6.25		16.4	12.7	42.5		0.0497	0.0152	0.071
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014201		1.23	1.5	6.22		-1.15	11.8	40.9		0.0481	0.0176	0.038
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202												
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04092014201										0.031	0.0164	0.082
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		-1.13	1.09	3.71		-13.8	7.24	23.2		0.145	0.0236	0.044
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		-2.3	0.921	2.9		4.39	5.4	19		0.156	0.0267	0.048
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		0.87	1	3.69		12.7	9.43	24.7		0.0968	0.0234	0.046
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		0.789	1.07	3.98		5.95	16.4	24.7		0.0151	0.00652	0.034
SS205	M-SMA-13	WT		UF	CS	GU04100K20501												
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501		-0.144	1.07	3.8		-3.46	6.91	23.4		0.0676	0.0176	0.036
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		-0.42	1.96	7.23		-12.1	6.66	21		0.0202	0.0178	0.053

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	EPA:901.1				EPA:901.1				Generic:Alpha-Spec			
						Analyte	Na-22				Np-237				Am-241			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		-1.04	0.911	3.05		12.6	5.99	20		0.0213	0.0132	0.034
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		-0.807	2.06	7.42		24.2	14.5	37.8		-0.00456	0.0151	0.036
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		0.678	1.13	4.19		-1.02	8.08	25.7		0.0087	0.00689	0.034
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		1.38	1.55	6.43		20.6	19	42		0.228	0.0269	0.037

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	Pu-238				Pu-239,240			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		-0.00197	0.00654	0.031		0.00788	0.00484	0.032
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		0.002	0.01	0.031		0.012	0.00939	0.032
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		0.0353	0.0125	0.039		0.0151	0.0101	0.04
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		0.00444	0.00943	0.034		0.0178	0.00705	0.036
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		0.0249	0.0129	0.03		0.00383	0.00717	0.031
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		4.87	0.245	0.029		4.23	0.216	0.03
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		8.86	0.326	0.027		7.41	0.277	0.028
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		22.8	0.79	0.025		21.5	0.749	0.026
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		6.41	0.252	0.031		5.52	0.22	0.032
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20002								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201305		0.0184	0.00845	0.028		0.123	0.0176	0.025
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301								
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303								
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201305								
E227	MDA G-13	WT		UF	CS	GU04080E22701								
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502								
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501								
E248.5	MDA G-6U	WT		UF	CS	GU0408E248501		0.228	0.0277	0.044		1.11	0.0772	0.046
E249	MDA G-4	WT		UF	CS	GU04080E24901								
E249.5	MDA G-7	WT		UF	CS	GU0408E249501		0.0153	0.00665	0.03		0.235	0.0238	0.031

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	Pu-238				Pu-239,240			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E249.5	MDA G-7	WT		UF	CS	GU0408E249505		0.00694	0.00602	0.027		0.0728	0.0125	0.028
E249.5	MDA G-7	WT		UF	CS	GU0409E249501		0.00629	0.00756	0.033		0.0943	0.0156	0.034
E249.5	MDA G-7	WT		UF	CS	GU0409E249502		-0.00967	0.00685	0.038		0.0266	0.0111	0.039
E249.5	MDA G-7	WT		UF	DUP	GU0409E249501								
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		0.281	0.0493	0.121		0.109	0.0336	0.125
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		-0.00911	0.0397	0.141		0.0273	0.0328	0.146
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		0.0105	0.0152	0.054		0.0732	0.0183	0.056
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		-0.0105	0.0181	0.081		0.0209	0.0148	0.084
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		0.0347	0.023	0.108		0.0208	0.012	0.111
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0409K026401		0.0416	0.022	0.107		0.00692	0.0183	0.111
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		0.00339	0.0112	0.053		0.0203	0.0108	0.054
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		-0.0167	0.00721	0.029		0.0352	0.00817	0.03
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		0.00683	0.00821	0.035		0.0819	0.015	0.036
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		-0.00379	0.00464	0.029		0.0322	0.0088	0.03
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503								
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		0	0.134	0.489		2.24	0.284	0.505
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		0.00367	0.00367	0.028		0.586	0.0427	0.029
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		0.00925	0.00718	0.029		0.514	0.0396	0.03
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		0.031	0.0132	0.04		0.565	0.0457	0.041
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601		0.149	0.183	0.579		1.64	0.276	0.598
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		0.218	0.0702	0.226		30.9	1.26	0.233
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		0.383	0.286	0.99		50.4	2.53	1.02
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		0.0374	0.0109	0.028		13.5	0.488	0.029
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026702		0.0654	0.0129	0.026		19.1	0.674	0.027
SS0267	LA-SMA-4	WT		UF	CS	GU0410K026701								
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702		0.0712	0.101	0.276		26.1	1.42	0.285
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701		0.0741	0.0121	0.028		20.4	0.966	0.029
SS0267	LA-SMA-4	WT		UF	DUP	GU0410K026701								
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		0.04	0.0129	0.044		51.5	1.98	0.046
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		0.106	0.0165	0.032		7.14	0.358	0.033
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		3.53	0.162	0.041		19.7	0.759	0.042
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		2.06	0.115	0.051		13.8	0.573	0.052
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038501								

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	Pu-238				Pu-239,240			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502								
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		0.0107	0.012	0.033		0.0129	0.0117	0.034
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		0.00731	0.00518	0.057		0.011	0.00969	0.059
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		-0.00202	0.0067	0.031		0.00404	0.00495	0.032
SS1238	S-SMA-4	WT		UF	CS	GU0408K123805		0.0112	0.00743	0.035		0.0737	0.0138	0.036
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		0.0411	0.0135	0.058		0.175	0.0274	0.06
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		-0.00987	0.0296	0.153		0.0296	0.0221	0.158
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		0.0253	0.00812	0.028		0.0162	0.00544	0.029
SS198	M-SMA-1	WT		UF	CS	GU04090K19802		0.00227	0.013	0.035		0.00227	0.00934	0.036
SS198	M-SMA-1	WT		UF	CS	GU04090K19803								
SS198	M-SMA-1	WT		UF	CS	GU04100K19801								
SS198	M-SMA-1	WT		UF	CS	GU04100K19802								
SS198	M-SMA-1	WT		UF	DUP	GU04090K19801								
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		0.00957	0.0107	0.03		0.0497	0.0113	0.031
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		0.00221	0.00584	0.034		0.0662	0.0134	0.035
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		0.116	0.0156	0.027		0.149	0.0171	0.028
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		0.063	0.0133	0.031		0.0827	0.0137	0.032
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		0.00656	0.00902	0.034		0.0722	0.0141	0.035
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		0.0172	0.0128	0.03		0.0458	0.012	0.031
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		0.0622	0.0169	0.069		0.43	0.0497	0.071
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		0.00197	0.00984	0.031		0.0197	0.00739	0.032
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702		0.0021	0.00867	0.033		0.0126	0.0073	0.034
SS1987	M-SMA-4	WT		UF	CS	GU0410K198703								
SS1987	M-SMA-4	WT		UF	CS	GU0410K198704		-0.0131	0.00588	0.041		0.00784	0.00785	0.042
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198702								
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198704								
SS199	M-SMA-5	WT		UF	CS	GU04090K19901								
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		0.0155	0.0102	0.034		0.0599	0.0153	0.036
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		0.0227	0.0136	0.039		1.53	0.084	0.04
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		0.00378	0.00535	0.029		0.051	0.0103	0.03
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		-0.0082	0.00917	0.032		0.0041	0.0082	0.033
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		0.00753	0.011	0.029		0.0526	0.012	0.03
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		0.00195	0.00437	0.03		0.00391	0.00677	0.031
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101								
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		-3.44E-09	0.012	0.028		0.245	0.0236	0.029
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		0.0491	0.0136	0.036		1.56	0.0829	0.037

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	Pu-238				Pu-239,240			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101		-2.4E-09	0.0107	0.039		0.269	0.0283	0.04
SS2001	M-SMA-9	WT		UF	CS	GU0410K200102		0.00562	0.00676	0.029		0.0974	0.0147	0.03
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		0.0222	0.00956	0.049		0.272	0.032	0.051
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		0.0136	0.007	0.03		0.0909	0.0147	0.031
SS2003	M-SMA-11	WT		UF	CS	GU0409K200302								
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		-0.00191	0.00876	0.03		0.109	0.0159	0.031
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		-0.0141	0.0157	0.044		0.0339	0.0133	0.045
SS2003	M-SMA-11	WT		UF	CS	GU0410K200302		-0.00637	0.00876	0.033		0.0998	0.0167	0.034
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301								
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		0.0162	0.00936	0.028		0.07	0.0117	0.029
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		0	0.00263	0.029		0.0668	0.0119	0.03
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		0.00374	0.00374	0.029		0.114	0.0157	0.03
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		-0.00387	0.00388	0.03		0.0213	0.00753	0.031
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		0.00371	0.0105	0.029		0.0482	0.0116	0.03
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		-0.00217	0.00376	0.034		0.013	0.00813	0.035
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		0.00206	0.00898	0.032		0.0638	0.012	0.033
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		0.00736	0.00521	0.029		0.101	0.0149	0.029
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		0.00221	0.00585	0.034		0.0155	0.00914	0.035
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		0.00717	0.00621	0.028		0.043	0.00992	0.029
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		-0.00204	0.00612	0.032		0.0184	0.00741	0.033
SS20138	T-SMA-5	WT		UF	CS	GU0409K201301		0.00929	0.00492	0.029		0.228	0.0222	0.03
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		0.0245	0.00772	0.032		0.251	0.0255	0.033
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		0.0142	0.0133	0.055		0.117	0.0217	0.057
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		0.0316	0.0202	0.054		0.0561	0.018	0.056
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		0.0202	0.00964	0.045		0.0838	0.0166	0.046
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		0.0141	0.00607	0.031		0.0302	0.00929	0.032
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014201		0.0111	0.00827	0.057		0.0479	0.0154	0.059
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202								
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04092014201								
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		0.0992	0.0223	0.05		0.409	0.0397	0.051
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		0.0397	0.0223	0.077		0.432	0.0504	0.08
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		0.0188	0.0117	0.048		0.209	0.029	0.05
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		0.0204	0.0082	0.032		0.0488	0.0121	0.033
SS205	M-SMA-13	WT		UF	CS	GU04100K20501								
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		0.0706	0.0159	0.044		0.079	0.0167	0.045

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	Pu-238				Pu-239,240			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		0.0018	0.0124	0.028		0.0162	0.0101	0.029
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		-4.72E-10	0.00396	0.031		0.0277	0.00752	0.032
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		0.00188	0.00679	0.029		0.0113	0.00535	0.03
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		-0.00606	0.00969	0.031		0.0242	0.00906	0.032

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	U-234				U-235,236				U-238			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		0.617	0.0454	0.073		0.0461	0.0127	0.048		0.6	0.044	0.052
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		0.254	0.0319	0.089		0.028	0.0112	0.058		0.26	0.03	0.063
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		1.15	0.0835	0.1		0.0525	0.0147	0.065		0.946	0.0725	0.071
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		0.286	0.0359	0.091		0.0222	0.00954	0.059		0.242	0.0295	0.064
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101		0.643	0.0516	0.081		0.0424	0.0118	0.052		0.561	0.0472	0.057
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		1.18	0.073	0.085		0.0384	0.0123	0.055		1.22	0.0748	0.06
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		1.87	0.105	0.098		0.0891	0.0191	0.064		1.82	0.103	0.07
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		3.58	0.224	0.138		0.197	0.0324	0.089		3.92	0.242	0.098
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		3.13	0.198	0.246		0.188	0.0408	0.159		3.46	0.212	0.174
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001												
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001												
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20002												
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303												
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201305		0.0511	0.0154	0.065		0.00854	0.00956	0.04		0.0745	0.0153	0.046
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301												
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303												
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201305		0.0463	0.0134	0.083		0.0164	0.00953	0.051		0.0463	0.014	0.059
E227	MDA G-13	WT		UF	CS	GU04080E22701												
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502												
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501												
E248.5	MDA G-6U	WT		UF	CS	GU0408E248501		7.85	0.439	0.215		0.45	0.0637	0.139		8.23	0.457	0.152
E249	MDA G-4	WT		UF	CS	GU04080E24901												
E249.5	MDA G-7	WT		UF	CS	GU0408E249501		0.19	0.0265	0.095		0.0166	0.00997	0.062		0.137	0.0213	0.067

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	U-234				U-235,236				U-238			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
E249.5	MDA G-7	WT		UF	CS	GU0408E249505		0.716	0.058	0.111		0.0888	0.0203	0.072		0.6	0.0521	0.078
E249.5	MDA G-7	WT		UF	CS	GU0409E249501		0.241	0.0347	0.117		0.0285	0.0147	0.075		0.161	0.0277	0.083
E249.5	MDA G-7	WT		UF	CS	GU0409E249502		0.173	0.0286	0.11		0.0382	0.0122	0.071		0.14	0.0236	0.078
E249.5	MDA G-7	WT		UF	DUP	GU0409E249501												
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		8.33	0.494	0.524		0.803	0.133	0.339		8.02	0.482	0.371
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		12.9	0.629	0.274		0.841	0.0988	0.177		13.6	0.659	0.194
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		4.28	0.339	0.428		0.328	0.0751	0.277		4.7	0.357	0.303
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		6.01	0.386	0.336		0.387	0.0717	0.218		6.84	0.427	0.238
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		6.77	0.492	0.436		0.533	0.0973	0.283		7.19	0.516	0.309
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501		7.48	0.477	0.561		0.352	0.0842	0.363		7.68	0.484	0.397
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401		12	0.816	0.473		0.692	0.114	0.306		12.8	0.863	0.335
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403												
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0409K026401												
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		1.47	0.0987	0.094		0.108	0.0196	0.061		1.38	0.0941	0.067
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		1.63	0.11	0.102		0.117	0.0218	0.066		1.67	0.111	0.072
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		4.19	0.246	0.117		0.338	0.0435	0.076		4.37	0.255	0.083
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		1.46	0.11	0.163		0.085	0.0249	0.105		1.56	0.113	0.115
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503												
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		4.63	0.281	0.141		0.349	0.0468	0.091		4.16	0.256	0.1
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		0.504	0.0465	0.105		0.0367	0.0117	0.068		0.463	0.0439	0.075
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		0.982	0.0653	0.064		0.0494	0.0117	0.042		0.589	0.0451	0.046
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		0.946	0.0832	0.15		0.0838	0.0249	0.097		0.857	0.0771	0.106
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601												
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		4.3	0.204	0.105		0.394	0.0414	0.068		4.68	0.218	0.074
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		3.62	0.218	0.121		0.22	0.0361	0.079		3.66	0.221	0.086
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		1.82	0.108	0.115		0.161	0.0279	0.075		1.97	0.113	0.082
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026702		2.35	0.139	0.088		0.141	0.0223	0.057		2.45	0.144	0.062
SS0267	LA-SMA-4	WT		UF	CS	GU0410K026701												
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702												
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701		1.73	0.107	0.123		0.228	0.0331	0.08		1.71	0.105	0.087
SS0267	LA-SMA-4	WT		UF	DUP	GU0410K026701												
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		7.62	0.482	0.323		0.394	0.0714	0.209		7.61	0.48	0.229
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		23.8	1.36	0.119		1.27	0.127	0.0662		26.2	1.49	0.0786
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		11.4	0.64	0.145		0.728	0.0704	0.094		8.12	0.468	0.102
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		7.65	0.57	0.68		0.474	0.123	0.44		5.91	0.473	0.481
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038501												

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	U-234				U-235,236				U-238			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502												
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		5.32	0.261	0.129		0.302	0.0393	0.084		5.68	0.276	0.091
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		0.249	0.0371	0.112		0.0389	0.0124	0.072		0.311	0.0368	0.079
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		0.472	0.0443	0.091		0.0349	0.0124	0.059		0.475	0.0447	0.055
SS1238	S-SMA-4	WT		UF	CS	GU0408K123805		25.4	1.26	0.212		1.31	0.116	0.137		26.8	1.33	0.15
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		22.6	1.08	0.577		4.29	0.328	0.374		23.2	1.1	0.409
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		0.292	0.036	0.106		0.0555	0.0154	0.069		0.296	0.0349	0.075
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		0.214	0.0384	0.155		0.0433	0.0154	0.101		0.168	0.0325	0.11
SS198	M-SMA-1	WT		UF	CS	GU04090K19802		0.14	0.0227	0.078		0.00542	0.00664	0.05		0.0663	0.0143	0.055
SS198	M-SMA-1	WT		UF	CS	GU04090K19803												
SS198	M-SMA-1	WT		UF	CS	GU04100K19801												
SS198	M-SMA-1	WT		UF	CS	GU04100K19802												
SS198	M-SMA-1	WT		UF	DUP	GU04090K19801												
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		5.05	0.284	0.18		0.188	0.0375	0.116		5.38	0.299	0.127
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		1.78	0.128	0.134		0.117	0.025	0.087		1.91	0.134	0.095
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		3.37	0.159	0.091		0.187	0.0256	0.059		3.46	0.163	0.064
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		3.75	0.279	0.245		0.213	0.0505	0.158		4.08	0.297	0.173
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		1.21	0.113	0.215		0.0524	0.02	0.139		1.49	0.125	0.152
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		2.89	0.221	0.361		0.214	0.0525	0.233		3.14	0.228	0.255
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		9.42	0.548	0.259		0.651	0.0833	0.168		11	0.629	0.184
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		1.32	0.108	0.202		0.0916	0.0309	0.131		1.13	0.0986	0.143
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702		0.412	0.055	0.185		0.0257	0.0158	0.119		0.278	0.0448	0.131
SS1987	M-SMA-4	WT		UF	CS	GU0410K198703												
SS1987	M-SMA-4	WT		UF	CS	GU0410K198704		0.15	0.0186	0.056		0.0117	0.00553	0.036		0.136	0.0165	0.04
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198702												
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198704												
SS199	M-SMA-5	WT		UF	CS	GU04090K19901												
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		10.4	0.433	0.101		0.53	0.0477	0.066		12.7	0.52	0.072
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		8.71	0.458	0.156		0.381	0.0523	0.101		10.7	0.552	0.11
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		2.03	0.134	0.115		0.168	0.0285	0.074		2.18	0.142	0.081
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		0.736	0.0562	0.099		0.0448	0.0186	0.064		0.584	0.0555	0.07
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		2.25	0.139	0.139		0.0777	0.024	0.09		2.14	0.134	0.099
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		1.7	0.139	0.174		0.115	0.0453	0.112		1.2	0.108	0.123
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101												
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		3.8	0.18	0.098		0.266	0.0321	0.063		5	0.226	0.069
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		1.74	0.0972	0.092		0.132	0.0212	0.06		2	0.107	0.065

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	U-234				U-235,236				U-238			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101		4.73	0.273	0.163		0.29	0.045	0.106		6	0.333	0.116
SS2001	M-SMA-9	WT		UF	CS	GU0410K200102		1.01	0.0745	0.086		0.0691	0.0154	0.056		1.21	0.0838	0.061
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		5.18	0.26	0.149		0.333	0.0448	0.096		6.53	0.313	0.106
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		1.51	0.101	0.137		0.138	0.0279	0.088		2.11	0.127	0.097
SS2003	M-SMA-11	WT		UF	CS	GU0409K200302												
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		3.31	0.152	0.082		0.229	0.0277	0.053		4.28	0.187	0.058
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		1.23	0.0759	0.061		0.0572	0.0117	0.039		1.41	0.0847	0.043
SS2003	M-SMA-11	WT		UF	CS	GU0410K200302		2.23	0.143	0.136		0.0999	0.0242	0.088		2.8	0.17	0.097
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301		1.29	0.0781	0.057		0.0751	0.0133	0.037		1.5	0.0874	0.04
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		1.46	0.0937	0.078		0.0817	0.0154	0.051		1.68	0.105	0.055
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		5.7	0.416	0.583		0.366	0.126	0.378		5.97	0.433	0.413
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		2	0.108	0.094		0.16	0.0245	0.061		2.26	0.118	0.066
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		0.401	0.0426	0.096		0.084	0.0214	0.062		0.348	0.0385	0.068
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		6.75	0.281	0.084		0.37	0.0368	0.055		6.89	0.284	0.06
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		2.82	0.231	0.338		0.153	0.0492	0.219		2.66	0.222	0.239
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401		5.27	0.379	0.518		0.307	0.105	0.336		5.1	0.381	0.367
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		3.13	0.173	0.133		0.163	0.0291	0.086		3.65	0.195	0.094
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		1.09	0.0887	0.146		0.107	0.0238	0.094		1.16	0.0922	0.103
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		0.882	0.0647	0.079		0.0553	0.0127	0.051		0.872	0.064	0.056
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601		1.14	0.0829	0.134		0.0794	0.0216	0.087		1.28	0.0884	0.095
SS20138	T-SMA-5	WT		UF	CS	GU0409K201301		1.49	0.095	0.114		0.174	0.0292	0.073		2.41	0.13	0.08
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		2.88	0.179	0.104		0.138	0.0246	0.068		4.32	0.254	0.074
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		10.4	0.514	0.257		0.61	0.0848	0.166		11.5	0.559	0.182
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		2.46	0.134	0.109		0.179	0.028	0.071		2.44	0.133	0.077
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		6.82	0.502	0.599		0.543	0.114	0.388		7.35	0.532	0.424
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		1.39	0.0883	0.112		0.133	0.0234	0.073		1.49	0.0923	0.08
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014201		1.33	0.107	0.167		0.128	0.0304	0.108		1.17	0.0978	0.119
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202												
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04092014201												
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		24.2	1.05	0.288		1.61	0.142	0.187		27.2	1.17	0.204
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		23.1	1.28	0.621		1.49	0.198	0.402		27.7	1.5	0.439
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		20.4	1.61	1.47		1.95	0.338	0.953		21.5	1.68	1.04
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		4.08	0.231	0.111		0.174	0.0273	0.072		4.46	0.25	0.079
SS205	M-SMA-13	WT		UF	CS	GU04100K20501												
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501												
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		2.7	0.157	0.148		0.252	0.0381	0.095		2.55	0.15	0.104

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Alpha-Spec				Generic:Alpha-Spec				Generic:Alpha-Spec			
						Analyte	U-234				U-235,236				U-238			
						Std Uom	pCi/L				pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id												
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		2.48	0.139	0.114		0.127	0.0274	0.074		2.42	0.137	0.081
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		1.84	0.132	0.16		0.207	0.0353	0.104		1.8	0.129	0.113
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		1.15	0.0797	0.083		0.0895	0.0167	0.054		0.984	0.071	0.059
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		1.97	0.113	0.108		0.136	0.0233	0.07		1.98	0.113	0.077

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Gas Flow Proportional				Generic:Liquid Scintillation			
						Analyte	Sr-90				H-3			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04070E12101		-0.0461	0.0578	0.231		103	66.6	210
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04080E12102		-0.0002	0.0684	0.302		48.7	47.4	152
E121	Sandia right fork at Power Plant	WT		UF	CS	GU04090E12101		0.0493	0.0849	0.357		32.4	52.1	169
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04080E12102		-0.0628	0.0614	0.287		101	53.7	168
E121	Sandia right fork at Power Plant	WT		UF	DUP	GU04090E12101								
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04070E20001		1.09	0.175	0.229		119	73	230
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20001		1.6	0.236	0.274		557	72.4	216
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20002		1.76	0.246	0.211		275	59.9	174
E200	Mortandad below Effluent Canyon	WT		UF	CS	GU04080E20003		1.09	0.182	0.238		270	55.9	161
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04070E20001		1.29	0.215	0.257				
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20001								
E200	Mortandad below Effluent Canyon	WT		UF	DUP	GU04080E20002								
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201303						197	64.4	196
E201.3	Ten Site below MDA C	WT		UF	CS	GU0404E201305		0.113	0.0939	0.307				
E201.3	Ten Site below MDA C	WT		UF	CS	GU0407E201301						98	70.8	225
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201303						213	61.3	185
E201.3	Ten Site below MDA C	WT		UF	DUP	GU0404E201305		0.242	0.107	0.327				
E227	MDA G-13	WT		UF	CS	GU04080E22701						191	64	203
E248.5	MDA G-6U	WT		UF	CS	GU0404E248502						233	65.7	198
E248.5	MDA G-6U	WT		UF	CS	GU0407E248501						313	79.6	237
E248.5	MDA G-6U	WT		UF	CS	GU0408E248501		0.328	0.112	0.327		141	72.4	232
E249	MDA G-4	WT		UF	CS	GU04080E24901						1980	99.1	251
E249.5	MDA G-7	WT		UF	CS	GU0408E249501		0.181	0.1	0.319		373	75.1	232

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Gas Flow Proportional				Generic:Liquid Scintillation			
						Analyte	Sr-90				H-3			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
E249.5	MDA G-7	WT		UF	CS	GU0408E249505		0.242	0.0779	0.254		62.9	49.7	159
E249.5	MDA G-7	WT		UF	CS	GU0409E249501		0.0749	0.0718	0.308		147	38.8	117
E249.5	MDA G-7	WT		UF	CS	GU0409E249502		0.115	0.054	0.213		51.1	45.8	147
E249.5	MDA G-7	WT		UF	DUP	GU0409E249501		-0.0254	0.0632	0.298		133	46.3	142
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU04080262501		0.417	0.098	0.235		83.4	71.9	230
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026401		0.596	0.143	0.342		50.9	70.3	229
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026402		0.144	0.0907	0.354		166	54.4	165
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0408K026403		0.226	0.0823	0.264		44.6	50.1	161
SS0264	LA-SMA-1 (B)	WT		UF	CS	GU0409K026401		0.107	0.0599	0.244				
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU04080262501								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026401								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0408K026403								
SS0264	LA-SMA-1 (B)	WT		UF	DUP	GU0409K026401								
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026501		0.209	0.0746	0.249		251	72.9	230
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026502		0.388	0.0991	0.28		172	50.2	150
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026503		0.231	0.087	0.3		138	50	154
SS0265	LA-SMA-2	WT		UF	CS	GU0408K026504		0.0475	0.05	0.216		107	54	168
SS0265	LA-SMA-2	WT		UF	DUP	GU0408K026503						112	47.5	148
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026601		0.19	0.083	0.298		166	53.7	163
SS0266	LA-SMA-3	WT		UF	CS	GU0408K026602		0.0939	0.0577	0.236		132	55.3	170
SS0266	LA-SMA-3	WT		UF	CS	GU0409K026601		0.22	0.0803	0.268		13700	228	170
SS0266	LA-SMA-3	WT		UF	CS	GU0410K026601		0.137	0.0734	0.286		-256	75.9	262
SS0266	LA-SMA-3	WT		UF	DUP	GU0408K026601								
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026702		0.131	0.0686	0.258		56	51.6	165
SS0267	LA-SMA-4	WT		UF	CS	GU0408K026703		0.205	0.0859	0.306				
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026701		-0.0523	0.0514	0.255				
SS0267	LA-SMA-4	WT		UF	CS	GU0409K026702		0.153	0.0646	0.239		102	48.3	156
SS0267	LA-SMA-4	WT		UF	CS	GU0410K026701						-110	75.1	253
SS0267	LA-SMA-4	WT		UF	DUP	GU0408K026702								
SS0267	LA-SMA-4	WT		UF	DUP	GU0409K026701								
SS0267	LA-SMA-4	WT		UF	DUP	GU0410K026701						117	75.8	243
SS0268	LA-SMA-5	WT		UF	CS	GU0408K026801		-0.0767	0.0599	0.285		123	53.2	165
SS0269	LA-SMA-6	WT		UF	CS	GU0409K026901		4.53	0.768	0.44				
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038501		33.5	4.33	0.237		72.1	73.1	235
SS0385	DP-SMA-1	WT		UF	CS	GU0408K038502		16.6	2.63	0.256		198	50.4	151
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038501								

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Gas Flow Proportional				Generic:Liquid Scintillation			
						Analyte	Sr-90				H-3			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS0385	DP-SMA-1	WT		UF	DUP	GU0408K038502								
SS1238	S-SMA-4	WT		UF	CS	GU0408K123801		0.274	0.0931	0.283				
SS1238	S-SMA-4	WT		UF	CS	GU0408K123802		0.088	0.0964	0.318		45.2	66.5	217
SS1238	S-SMA-4	WT		UF	CS	GU0408K123804		0.326	0.116	0.334		-21.6	64.2	212
SS1238	S-SMA-4	WT		UF	CS	GU0408K123805		0.27	0.0815	0.263		88	58.3	184
SS1248	S-SMA-6	WT		UF	CS	GU0408K124802		0.348	0.101	0.309				
SS198	M-SMA-1	WT		UF	CS	GU04080K19803		0.159	0.0678	0.257				
SS198	M-SMA-1	WT		UF	CS	GU04090K19801		0.294	0.0903	0.302				
SS198	M-SMA-1	WT		UF	CS	GU04090K19802		0.146	0.0896	0.359		127	46.4	149
SS198	M-SMA-1	WT		UF	CS	GU04090K19803						0	52.2	172
SS198	M-SMA-1	WT		UF	CS	GU04100K19801						-192	73.8	252
SS198	M-SMA-1	WT		UF	CS	GU04100K19802						116	76.4	245
SS198	M-SMA-1	WT		UF	DUP	GU04090K19801								
SS1984	M-SMA-2	WT		UF	CS	GU0408K198401		0.078	0.0579	0.21		22.6	70.8	231
SS1984	M-SMA-2	WT		UF	CS	GU0408K198402		-0.0022	0.0588	0.263		95.5	56.2	177
SS1985	M-SMA-3	WT		UF	CS	GU0408K198501		0.379	0.0862	0.219		-93.6	67.8	231
SS1985	M-SMA-3	WT		UF	CS	GU0408K198502		0.0932	0.0721	0.288		223	58.5	174
SS1985	M-SMA-3	WT		UF	CS	GU0409K198501		0.0836	0.0739	0.3		134	56.4	175
SS1987	M-SMA-4	WT		UF	CS	GU0408K198701		0.14	0.0777	0.274		115	72.2	228
SS1987	M-SMA-4	WT		UF	CS	GU0408K198702		0.943	0.172	0.33		59.3	70.3	229
SS1987	M-SMA-4	WT		UF	CS	GU0408K198703		0.0537	0.0676	0.276		21	49.1	160
SS1987	M-SMA-4	WT		UF	CS	GU0410K198702		0.0848	0.0793	0.332		-132	71.8	243
SS1987	M-SMA-4	WT		UF	CS	GU0410K198703						-28.8	73.9	245
SS1987	M-SMA-4	WT		UF	CS	GU0410K198704		0.142	0.0822	0.331				
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198702								
SS1987	M-SMA-4	WT		UF	DUP	GU0410K198704		-0.086	0.0782	0.38				
SS199	M-SMA-5	WT		UF	CS	GU04090K19901						-19.5	44.2	147
SS199	M-SMA-5	WT		UF	CS	GU04090K19902		2.72	0.407	0.284		0	79.8	166
SS199	M-SMA-5	WT		UF	CS	GU04100K19901		1.53	0.22	0.266				
SS1991	M-SMA-6	WT		UF	CS	GU0408K199101		0.0173	0.0806	0.272				
SS1991	M-SMA-6	WT		UF	CS	GU0408K199102		0.262	0.0941	0.345		89.1	56.7	183
SS1991	M-SMA-6	WT		UF	CS	GU0408K199103		0.0482	0.0583	0.218		118	53.1	165
SS1991	M-SMA-6	WT		UF	CS	GU0408K199104		0.0559	0.0547	0.235		34.4	53	171
SS2001	M-SMA-9	WT		UF	CS	GU0408K200101						-9.3	67.3	222
SS2001	M-SMA-9	WT		UF	CS	GU0408K200102		0.42	0.101	0.265		243	62	183
SS2001	M-SMA-9	WT		UF	CS	GU0409K200102		0.193	0.0775	0.279		-30.1	77.3	162

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Gas Flow Proportional				Generic:Liquid Scintillation			
						Analyte	Sr-90				H-3			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2001	M-SMA-9	WT		UF	CS	GU0410K200101		0.438	0.0921	0.232		-27.3	76.1	252
SS2001	M-SMA-9	WT		UF	CS	GU0410K200102		0.556	0.0788	0.118				
SS2003	M-SMA-11	WT		UF	CS	GU0408K200303		0.583	0.122	0.249		73.8	46.6	148
SS2003	M-SMA-11	WT		UF	CS	GU0409K200301		0.398	0.0898	0.25				
SS2003	M-SMA-11	WT		UF	CS	GU0409K200302						728	69.1	172
SS2003	M-SMA-11	WT		UF	CS	GU0409K200303		0.835	0.149	0.232		33.5	86.9	180
SS2003	M-SMA-11	WT		UF	CS	GU0410K200301		0.137	0.0619	0.232		32	51.4	166
SS2003	M-SMA-11	WT		UF	CS	GU0410K200302		0.308	0.0938	0.312		-139	75.5	255
SS2003	M-SMA-11	WT		UF	DUP	GU0410K200301						31.2	50.2	162
SS2004	M-SMA-12	WT		UF	CS	GU0410K200401		0.428	0.0626	0.0945		29	75.4	246
SS20134	T-SMA-3	WT		UF	CS	GU04082013401		0.0367	0.0646	0.245		42.1	71.6	232
SS20134	T-SMA-3	WT		UF	CS	GU04082013402		0.118	0.0989	0.323		51.5	71.1	232
SS20134	T-SMA-3	WT		UF	CS	GU04082013403		0.0299	0.0615	0.264		62.1	39.9	126
SS20134	T-SMA-3	WT		UF	CS	GU04082013404		0.0697	0.0585	0.232		224	59.1	175
SS20134	T-SMA-3	WT		UF	CS	GU04082013405		0.11	0.0566	0.225		111	60.5	189
SS20134	T-SMA-3	WT		UF	DUP	GU04082013401						-6.5	70	231
SS20136	T-SMA-4	WT		UF	CS	GU04082013601		0.183	0.0712	0.234		43.9	69.4	225
SS20136	T-SMA-4	WT		UF	CS	GU04102013601		0.173	0.0675	0.236		147	76.1	243
SS20136	T-SMA-4	WT		UF	CS	GU04102013602		0.0614	0.0705	0.316		81.9	64.5	187
SS20136	T-SMA-4	WT		UF	DUP	GU04102013601								
SS20138	T-SMA-5	WT		UF	CS	GU0409K201301		1.18	0.198	0.258				
SS20138	T-SMA-5	WT		UF	CS	GU0410K201301		1.09	0.137	0.0892				
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014201		181	22.8	0.226		15.4	67.6	221
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014203		84.6	11.5	0.259		-4.9	51.3	169
SS20142	Pratt-SMA-1	WT		UF	CS	GU04082014204		50.8	5.71	0.194				
SS20142	Pratt-SMA-1	WT		UF	CS	GU04092014201		48.3	6.36	0.261				
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014201		33.1	3.95	0.207				
SS20142	Pratt-SMA-1	WT		UF	CS	GU04102014202						27.2	63.5	186
SS20142	Pratt-SMA-1	WT		UF	DUP	GU04092014201								
SS205	M-SMA-13	WT		UF	CS	GU04080K20502		2.81	0.407	0.311		127	54.5	168
SS205	M-SMA-13	WT		UF	CS	GU04080K20503		2.43	0.359	0.244		126	55.5	172
SS205	M-SMA-13	WT		UF	CS	GU04080K20504		2.09	0.276	0.23		49.2	49.8	159
SS205	M-SMA-13	WT		UF	CS	GU04090K20501		1.24	0.212	0.284		67.4	55	175
SS205	M-SMA-13	WT		UF	CS	GU04100K20501						81.4	69.6	225
SS205	M-SMA-13	WT		UF	DUP	GU04090K20501						33.8	54.4	176
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218501		0.0691	0.0599	0.221		69.7	70.6	227

Table 10. Site-Specific Storm Water Monitoring, 2004
Analytical Results for Radionuclides

						Anyl Meth Code	Generic:Gas Flow Proportional				Generic:Liquid Scintillation			
						Analyte	Sr-90				H-3			
						Std Uom	pCi/L				pCi/L			
							Sym	Result	Uncert	MDA	Sym	Result	Uncert	MDA
Location Synonym	Location Name	Fld Matrix Code	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id								
SS2185	CDB-SMA-1	WT		UF	CS	GU0408K218502		0.033	0.0635	0.264		135	60.1	186
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218501		0.146	0.0628	0.23		140	73	233
SS2185	CDB-SMA-1	WT		UF	CS	GU0410K218502		0.0379	0.0297	0.0974		-88	74.3	249
SS2188	CDB-SMA-2	WT		UF	CS	GU0408K218801		0.136	0.0572	0.195		-88.7	66.6	227

Table 11. Site-Specific Storm Water Runoff Monitoring, 2004
Radionuclides greater than DOE DCG - Summary

SMA ID	F/UF	Analytical Suite	Analyte	Number of Analyses	Number of Detects	Number > DCG	Summary of Detected Results				
							Average	Minimum	Maximum	DCG	Units
DP-SMA-1	UF	RAD	Gross alpha	2	2	2	163	128	197	30	pCi/L
LA-SMA-1	UF	RAD	Gross alpha	5	5	4	175.3	26.5	312	30	pCi/L
LA-SMA-3	UF	RAD	Gross alpha	4	4	1	21.32	8.15	56.4	30	pCi/L
LA-SMA-4	UF	RAD	Gross alpha	4	4	4	90.9	40.4	210	30	pCi/L
LA-SMA-4	UF	RAD	Plutonium-239/240	4	4	2	28.5	13.5	50.4	30	pCi/L
LA-SMA-5	UF	RAD	Gross alpha	1	1	1	161	161	161	30	pCi/L
LA-SMA-5	UF	RAD	Plutonium-239/240	1	1	1	51.5	51.5	51.5	30	pCi/L
LA-SMA-6	UF	RAD	Gross alpha	1	1	1	127	127	127	30	pCi/L
S-SMA-2	UF	RAD	Gross alpha	3	3	1	20.83	5.79	32	30	pCi/L
S-SMA-4	UF	RAD	Gross alpha	4	4	3	57.19	6.26	144	30	pCi/L
S-SMA-6	UF	RAD	Gross alpha	1	1	1	253	253	253	30	pCi/L
M-SMA-2	UF	RAD	Gross alpha	2	2	2	54.2	42.3	66	30	pCi/L
M-SMA-3	UF	RAD	Gross alpha	3	3	3	79.2	36.1	112	30	pCi/L
M-SMA-4	UF	RAD	Gross alpha	5	5	2	25	1	65	30	pCi/L
M-SMA-5	UF	RAD	Gross alpha	2	2	2	220	202	237	30	pCi/L
M-SMA-6	UF	RAD	Gross alpha	4	4	2	31.25	2.79	56	30	pCi/L
M-SMA-8	UF	RAD	Americium-241	4	4	1	18.7	7.02	44.5	30	pCi/L
M-SMA-8	UF	RAD	Gross alpha	4	4	3	222.8	26.8	751	30	pCi/L
M-SMA-9	UF	RAD	Gross alpha	4	4	3	39.4	18	62.5	30	pCi/L
M-SMA-11	UF	RAD	Gross alpha	4	4	2	72.5	26.2	141	30	pCi/L
M-SMA-13	UF	RAD	Gross alpha	4	4	4	214.4	50.3	604	30	pCi/L
M-SMA-13	UF	RAD	Gross beta	4	4	1	408	117	1140	1000	pCi/L
Pratt-SMA-1	UF	RAD	Gross alpha	5	5	5	102.5	58.9	142	30	pCi/L
T-SMA-3	UF	RAD	Gross alpha	5	5	3	53.3	24.5	115	30	pCi/L
T-SMA-5	UF	RAD	Gross alpha	2	2	2	32.2	32	32.4	30	pCi/L
CDB-SMA-1	UF	RAD	Gross alpha	4	4	2	26.76	8.73	38.2	30	pCi/L
CDB-SMA-2	UF	RAD	Gross alpha	1	1	1	78.7	78.7	78.7	30	pCi/L
PJ-SMA-15	UF	RAD	Gross alpha	5	5	1	30.05	2.55	132	30	pCi/L

NOTE: Gross alpha values have not been corrected for the presence of radionuclides regulated under the Atomic Energy Act of 1954.

Table 12. Site-Specific Storm Water Monitoring, 2004
Radionuclides greater than DOE DCG - Detail

SMA ID	Sample Date	F/UF	Sample ID	Detected Results > DOE DCG					DOE DCG	
				Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
CDB-SMA-1	8/18/2004	UF	GU0408K218502	GROSSA	38.2	pCi/L		J-	30	pCi/L
CDB-SMA-1	10/5/2004	UF	GU0410K218501	GROSSA	38.2	pCi/L			30	pCi/L
CDB-SMA-2	7/27/2004	UF	GU0408K218801	GROSSA	78.7	pCi/L			30	pCi/L
DP-SMA-1	7/27/2004	UF	GU0408K038501	GROSSA	197	pCi/L			30	pCi/L
DP-SMA-1	8/24/2004	UF	GU0408K038502	GROSSA	128	pCi/L			30	pCi/L
LA-SMA-1	7/18/2004	UF	GU04080262501	GROSSA	108	pCi/L			30	pCi/L
LA-SMA-1	8/11/2004	UF	GU0408K026401	GROSSA	312	pCi/L			30	pCi/L
LA-SMA-1	8/18/2004	UF	GU0408K026402	GROSSA	287	pCi/L			30	pCi/L
LA-SMA-1	8/19/2004	UF	GU0408K026403	GROSSA	143	pCi/L		J-	30	pCi/L
LA-SMA-3	8/18/2004	UF	GU0408K026601	GROSSA	56.4	pCi/L			30	pCi/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	GROSSA	66.4	pCi/L			30	pCi/L
LA-SMA-4	8/15/2004	UF	GU0408K026702	Pu-239,240	30.9	pCi/L			30	pCi/L
LA-SMA-4	8/18/2004	UF	GU0408K026703	GROSSA	210	pCi/L			30	pCi/L
LA-SMA-4	8/18/2004	UF	GU0408K026703	Pu-239,240	50.4	pCi/L			30	pCi/L
LA-SMA-4	9/4/2004	UF	GU0409K026701	GROSSA	40.4	pCi/L			30	pCi/L
LA-SMA-4	9/13/2004	UF	GU0409K026702	GROSSA	46.6	pCi/L		J-	30	pCi/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	GROSSA	161	pCi/L			30	pCi/L
LA-SMA-5	8/18/2004	UF	GU0408K026801	Pu-239,240	51.5	pCi/L			30	pCi/L
LA-SMA-6	9/19/2004	UF	GU0409K026901	GROSSA	127	pCi/L			30	pCi/L
M-SMA-11	8/20/2004	UF	GU0408K200303	GROSSA	96	pCi/L			30	pCi/L
M-SMA-11	9/27/2004	UF	GU0409K200303	GROSSA	141	pCi/L			30	pCi/L
M-SMA-13	8/15/2004	UF	GU04080K20502	GROSSA	50.3	pCi/L			30	pCi/L
M-SMA-13	8/19/2004	UF	GU04080K20503	GROSSA	604	pCi/L		J-	30	pCi/L
M-SMA-13	8/19/2004	UF	GU04080K20503	GROSSB	1140	pCi/L		J-	1000	pCi/L
M-SMA-13	8/20/2004	UF	GU04080K20504	GROSSA	84.4	pCi/L			30	pCi/L
M-SMA-13	9/25/2004	UF	GU04090K20501	GROSSA	119	pCi/L			30	pCi/L
M-SMA-2	7/27/2004	UF	GU0408K198401	GROSSA	66	pCi/L			30	pCi/L

Table 12. Site-Specific Storm Water Monitoring, 2004
Radionuclides greater than DOE DCG - Detail

SMA ID	Sample Date	F/UF	Sample ID	Detected Results > DOE DCG					DOE DCG	
				Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
M-SMA-2	8/19/2004	UF	GU0408K198402	GROSSA	42.3	pCi/L			30	pCi/L
M-SMA-3	7/27/2004	UF	GU0408K198501	GROSSA	112	pCi/L			30	pCi/L
M-SMA-3	8/19/2004	UF	GU0408K198502	GROSSA	89.4	pCi/L			30	pCi/L
M-SMA-3	9/27/2004	UF	GU0409K198501	GROSSA	36.1	pCi/L			30	pCi/L
M-SMA-4	7/27/2004	UF	GU0408K198701	GROSSA	36.6	pCi/L			30	pCi/L
M-SMA-4	8/11/2004	UF	GU0408K198702	GROSSA	65	pCi/L			30	pCi/L
M-SMA-5	9/27/2004	UF	GU04090K19902	GROSSA	202	pCi/L			30	pCi/L
M-SMA-5	10/5/2004	UF	GU04100K19901	GROSSA	237	pCi/L			30	pCi/L
M-SMA-6	8/11/2004	UF	GU0408K199101	GROSSA	49	pCi/L			30	pCi/L
M-SMA-6	8/18/2004	UF	GU0408K199103	GROSSA	56	pCi/L		J-	30	pCi/L
M-SMA-8	8/11/2004	UF	GU04080E20001	GROSSA	39.4	pCi/L			30	pCi/L
M-SMA-8	8/18/2004	UF	GU04080E20002	Am-241	44.5	pCi/L			30	pCi/L
M-SMA-8	8/18/2004	UF	GU04080E20002	GROSSA	751	pCi/L			30	pCi/L
M-SMA-8	8/20/2004	UF	GU04080E20003	GROSSA	74	pCi/L			30	pCi/L
M-SMA-9	8/18/2004	UF	GU0408K200102	GROSSA	62.5	pCi/L		J-	30	pCi/L
M-SMA-9	9/27/2004	UF	GU0409K200102	GROSSA	41.4	pCi/L			30	pCi/L
M-SMA-9	10/5/2004	UF	GU0410K200101	GROSSA	35.8	pCi/L			30	pCi/L
PJ-SMA-15	8/10/2004	UF	GU0408E248501	GROSSA	132	pCi/L			30	pCi/L
Pratt-SMA-1	7/27/2004	UF	GU04082014201	GROSSA	58.9	pCi/L			30	pCi/L
Pratt-SMA-1	8/18/2004	UF	GU04082014203	GROSSA	142	pCi/L		J-	30	pCi/L
Pratt-SMA-1	8/20/2004	UF	GU04082014204	GROSSA	121	pCi/L			30	pCi/L
Pratt-SMA-1	9/4/2004	UF	GU04092014201	GROSSA	123	pCi/L			30	pCi/L
Pratt-SMA-1	10/5/2004	UF	GU04102014201	GROSSA	67.8	pCi/L			30	pCi/L
S-SMA-2	9/27/2004	UF	GU04090E12101	GROSSA	32	pCi/L			30	pCi/L
S-SMA-4	7/18/2004	UF	GU0408K123801	GROSSA	47.1	pCi/L			30	pCi/L
S-SMA-4	8/6/2004	UF	GU0408K123802	GROSSA	31.4	pCi/L			30	pCi/L
S-SMA-4	8/15/2004	UF	GU0408K123805	GROSSA	144	pCi/L			30	pCi/L

Table 12. Site-Specific Storm Water Monitoring, 2004
Radionuclides greater than DOE DCG - Detail

SMA ID	Sample Date	F/UF	Sample ID	Detected Results > DOE DCG					DOE DCG	
				Analyte	Result	Units	Lab Qualifier	LANL Qualifier	Value	Units
S-SMA-6	8/15/2004	UF	GU0408K124802	GROSSA	253	pCi/L			30	pCi/L
T-SMA-3	7/27/2004	UF	GU04082013401	GROSSA	43	pCi/L			30	pCi/L
T-SMA-3	8/18/2004	UF	GU04082013404	GROSSA	115	pCi/L		J-	30	pCi/L
T-SMA-3	8/20/2004	UF	GU04082013405	GROSSA	56.3	pCi/L			30	pCi/L
T-SMA-5	9/4/2004	UF	GU0409K201301	GROSSA	32.4	pCi/L			30	pCi/L
T-SMA-5	10/11/2004	UF	GU0410K201301	GROSSA	32	pCi/L			30	pCi/L

NOTE: Gross alpha values have not been corrected for the presence of radionuclides regulated under the Atomic Energy Act of 1954.

Table 13. Definition of LANL Data Validation Qualifier Flags

Qualifier Flag	Definition
J	The analyte is classified as “detected” but the reported concentration value is expected to be more uncertain than usual.
J+	The analyte is classified as “detected” but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
J-	The analyte is classified as “detected” but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
JN+	Presumptive evidence of the presence of the material at an estimated quantity with a suspected positive bias.
JN-	Presumptive evidence of the presence of the material at an estimated quantity with a suspected negative bias.
NJ	(Organic) -Analyte has been tentatively identified and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.
N	Presumptive evidence of the presence of the material.
U	The analyte is classified as “not detected.”
UJ	The analyte is classified as “not detected” with an expectation that the reported result is more uncertain than usual.
R	The reported sample result is classified as rejected due to serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.