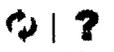


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October 22nd, 2009

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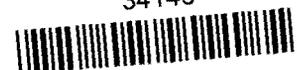
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ATTACHMENT 1: DOCUMENT ACTION REQUEST (DAR) FORM

Document Action Request (DAR) Form



Section #1 – Type of Request

Document Number: EP-PLAN-3202	Revision: R.0	Title: TA-54 Stormwater Pollution Prevention Plan		
Requestor Signature: <i>Robert Lechel</i>	Print Name: Robert Lechel	Phone: 665-6912	Z Number: 169521	Date: 01/14/2009

Section #2 – Procedure Owner Approval for Processing

New Document
 Major Revision
 Minor Revision
 Deactivation
 Cancellation

Periodic Review:
 1 Year
 2 Year
 3 Year
 4 Year
 5 Year

If new document, describe document type:

per Bob Lechel 4/1/09

Provide a detailed description of the requested change. (Attach additional sheets if needed. Number all additional sheets.):
 This Plan supercedes DIV-PLAN-0404, R.0 has been modified to meet the 2008 NPDES SWPPP requirements and updated maps.

Approved
 Disapproved (Return to originator)
 Priority: *High*

Procedure Owner Signature: *Robert Lechel*
Print Name: Robert Lechel
Date: 01/14/2009

Section #3 – Review and Concurrence

Review and Concurrence: Obtain concurrence from all review organizations..(Enter N/A for not applicable.) Document all additional review organizations, if needed, on a continuation sheet. Cognizant System Engineer Program (CSE) approval is required for all technical procedures except minor revisions, and non-authorization-basis-related cancellations/ deactivations. CSE approval is always required for changes affecting safety-basis steps.

Reviewer	Print Name	Signature	Date
Subject Matter Expert	Robert Lechel	<i>Robert Lechel</i>	2/4/09
QA Specialist	Doris Quintana	<i>Doris Quintana</i>	12/25/09
Responsible Line Manager	Steve Henry	<i>Steve Henry</i>	1/28/09
Other	Gilbert Montoya	<i>Gilbert Montoya</i>	2-9-09
CSE USQ Number (as applicable): <i>Not required - manual</i>	Authorized Derivative Classifier: <input checked="" type="checkbox"/> Unclassified <input type="checkbox"/> OUQ <input type="checkbox"/> UCNI <input type="checkbox"/> Classified Signature: <i>Robert Lechel</i> Date: <i>1/16/2009</i>		

Section #4 – Training Review

Training Required:
 Classroom/Briefing
 Just-in Time
 On the Job
 Required Reading

Yes
 No

Training Representative Signature: *[Signature]*
Print Name: *Barbara*
Course #: 37142

Section #5 – Final Approval by Procedure Owner

Validation Required:
 Yes
 No

Hazard Category:
 Low
 Med
 High

Is the document authorized to serve as Part I of the Integrated Work Document?
 Yes
 No

Approval Signature: *Robert Lechel*
Print Name: Robert Lechel
Phone: 665-6912
Z Number: 169521
Date: 2.24.09

RECEIVED

Personnel Training and Qualification

Procedure No: EP-DIR-SOP-2011

Revision: 3

Effective Date: 4-10-2008

ATTACHMENT 6: TRAINING LEVEL DETERMINATION

2011-6

Records Use only

Training Level Determination

SAVE

PRINT

Purpose: The purpose of this form is to determine the appropriate level of training rigor and training required for new or revised procedures or documents. This form documents the "analysis" step in a systematic approach to training (SAT). For some operations it may be necessary to choose a higher level of training based on factors such as personal safety or regulatory requirements.

SME fills out the following procedure information and Evaluation Criteria

Procedure Document number including revision #	EP-Plan-3202, R.0
Procedure Title	TA-54 Stormwater Pollution Prevention Plan
Document Owner	Robert Lechel
EP Training Team Lead	Greg Barbee

When making the determination on the training methodology for procedures the following table serves as guidance. When answering the hazard grading questions both activity and work-area hazards must be considered as part of the training evaluation for the procedure. For each evaluation criteria listed below check (✓) the box that indicates the level of rigor appropriate for the procedure named above. If 2 or more boxes in Level 2 or 3 are checked, OJT is required.

Evaluation Criteria	Level 1	Level 2	Level 3
Risk to worker health and safety	Low	-	-
Complexity	Low	-	-
TSR surveillance requirement	No <input checked="" type="checkbox"/>	No <input type="checkbox"/> Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Risk of damage to equipment/operations	Low	Medium <input type="checkbox"/>	High <input type="checkbox"/>
Risk of environmental impact	None <input type="checkbox"/>	Temporary or minor damage <input checked="" type="checkbox"/>	High <input type="checkbox"/>
National security impact	None <input checked="" type="checkbox"/>	Potential for adverse impact to security in a Laboratory facility or to classified information <input type="checkbox"/>	Potential for adverse impact to security in a Laboratory facility or to classified information <input type="checkbox"/>

Training completes the section below

Check one Type of Procedure:

Administrative Procedure Performance Procedure

- Based on the determination above, check (✓) one of the levels of training below.
- Check optional training methods (if any) in addition to Self-study or OJT.

Level 1 Self-Study w/self assessment	Level 2 Formal Qualification	Level 3 Formal Qualification and/or Certification
Optional training methods in addition to self-study w/self-assessment: <input type="checkbox"/> Walkthrough Checklist <input type="checkbox"/> Informal Briefing <input checked="" type="checkbox"/> Formal Classroom with self-assessment	Training methods: <input type="checkbox"/> Self-assessment <input type="checkbox"/> Walkthrough Checklist <input checked="" type="checkbox"/> Formal Classroom Training <input type="checkbox"/> Formal Briefing <input type="checkbox"/> Formal Mentoring <input type="checkbox"/> OJT	Training methods: <input type="checkbox"/> OJT <input type="checkbox"/> Operational Evaluation <input type="checkbox"/> Formal Classroom Training <input type="checkbox"/> Formal Briefing <input type="checkbox"/> Written and Oral Tests

Target Audience:

TA-54 Workers for self-awareness of SWPPP requirements.

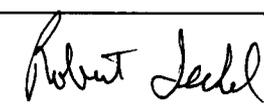
CONTROLLED DOCUMENT

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TA-54 Stormwater Pollution Prevention Plan

Effective Date: 1-1-09

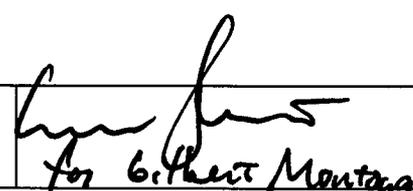
Next Review Date: 2-1-11

Process Owner	Signature	Date
Bob Lechel		12-19-08

ESH&Q Manager

Steve Henry		12/19/08
-------------	--	----------

Authorizing Signature:
EWMO-AG

Gilbert Montoya	 for Gilbert Montoya	12-19-08
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HISTORY OF REVISIONS

Document Number	Issue Date	Action	Description
PLAN-WFM-036, R.0	August 2002	New Document	Before adoption as a WFM document, this Plan was presented in two volumes; both volumes are incorporated into this Plan.
DIV-PLAN-0404, R.0	May 2005	Merging TA-54 and 54-West into one document. Additional corrections and modifications to all sections, maps, and tables.	NWIS acquired ownership of TA-54 West and this document pulls all TA-54 facilities into one document
EP-PLAN-3202, R.0	February 2009	Revision	This plan supercedes DIV-PLAN-0404. Revised to meet the 2008 MSGP requirements and formatting.

STORMWATER POLLUTION PREVENTION PLAN
FOR TA-54
LOS ALAMOS NATIONAL LABORATORY

PREFACE

This Stormwater Pollution Prevention (SWPP) Plan was developed in accordance with the provisions of the Clean Water Act (33 U.S.C. §§1251 et seq., as amended by the Water Quality Act of 1987, P.L. 100-4), and the regulations established by the U.S. Environmental Protection Agency (EPA) for National Pollutant Discharge Elimination System (NPDES) Multi-Sector General Permits for Stormwater Discharges Associated with Industrial Activities (U.S. EPA, September 2008). The previous stormwater discharge permit is EPA General Permit Number NMR05A734 (LANS) and NMR05A735 (DOE) (U.S. EPA, 2000).

This SWPP Plan also complies with the following U.S. Department of Energy (DOE) orders:

DOE 435.1: Radioactive Waste Management

DOE 450.1: Environmental Protection Program

DOE 5400.5: Radiation Protection of the Public and the Environment

DOE 5480.1B: Environment, Safety, and Health Program for Department of Energy Operations

DOE 5480.4: Environmental Protection, Safety, and Health Protection Standards

This SWPP Plan applies to discharges of stormwater from the operational areas at the Waste Characterization Reduction and Repackaging Facility (WCRRF) located at the Los Alamos National Laboratory (LANL) Technical Area (TA) 54. The objective of this SWPP Plan is to minimize stormwater pollution resulting from operations at the TA-54. In support of this goal, the Plan is expected to accomplish the following:

1. Identify potential sources of pollution that may affect the quality of stormwater discharges associated with the facility's daily activities.
2. Evaluate potential runoff of stormwater contamination from these sources.
3. Present specific controls, measures, or management practices that will be used at the facility to reduce potential pollutants in stormwater discharges.

The SWPP Plan is reviewed periodically to ensure that the elements of the Plan are in place and are effective and that the Plan is in compliance with the terms of the general permit.

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SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

This SWPP Plan applies to operations at Los Alamos National Laboratory (LANL) Technical Area (TA) 54, Areas G, L, and RANT. Located east of the intersection of Pajarito Road and Rex Drive between Pajarito Canyon and Cañada del Buey in Los Alamos County, New Mexico.. TA-54 has the Laboratory's primary waste management facilities. Materials managed within the facilities include chemical, hazardous, mixed wastes, polychlorinated biphenols (PCB), asbestos, low-level, and transuranic (TRU) waste. The industrial activities at this site are covered under Sector K of the MSGP as a Resource Conservation and Recovery Act (RCRA) hazardous waste treatment, storage, and disposal (TSD) operations and Sector L (Area G only) associated with an industrial waste landfill. The primary RCRA function at the TA-54 facilities is storage and waste sorting and segregation of regulated wastes. Area G also contains disposal units utilized for LANL's radioactive waste disposal.

1.2 Stormwater Pollution Prevention Team

Staff Titles	Responsibilities
ESH&Q Manager	Is responsible for overseeing the assigned duties of the SWPPP team members and for communication of current information to the FOD and LANL support organizations.
Deployed Environmental Generalist	Responsible for implementing and maintaining the SWPP Plan, the associated structural Best Management Practices (BMP), and performing visual and routine inspections.
ENV-RCRA Water Quality SME	ENV-RCRA Water Quality SME personnel and their associated contractor(s) will provide technical guidance to the SWPPP Team concerning SWPP Plan contents, BMP selection and installation, and implementation of the SWPP Plan. They may also aide in performing and documenting the Routine and Annual Site Compliance Evaluations.
Shift Operations Manager (or designee)	Responsible for ensuring housekeeping and BMP maintenance corrective actions are scheduled and implemented in a timely manner.
Waste Management Coordinator	Responsible for assisting with clean up of spilled or released pollutants and for directing the appropriate waste management of all resultant clean up materials.

1.3 Activities at the Facility

All facilities at TA-54 are currently operated by Waste Disposition Projects-TRU Waste Project Support at LANL.

Area G

Area G is the Laboratory's primary location for the storage and disposal of radioactive solid waste. Area G occupies approximately 70 acres of the southeast portion of TA-54 and is located approximately two miles southeast of the intersection of Pajarito Road and Rex Drive. A series of pits and shafts in Area G are used for low-level waste (LLW) disposal and retrievable transuranic (TRU) waste storage. Several tension-support domes, chemical sheds, and buildings are used to store mixed low-level waste (MLLW), LLW, TRU, and mixed TRU waste. No liquids are accepted for disposal in Area G.

Pits and shafts used for waste disposal are located no closer than 50 feet from the mesa's edge. They are also kept as far as is practicable from the well-defined drainage courses that dissect the mesa. Disposal pits are typically designed to be a maximum of 65 feet deep, with an average pit measuring up to 600 feet long and 100 feet wide. Pits are typically designed with a ramp at one end having a slope of up to 6 feet horizontal to one foot vertical (6:1) and walls that are stepped or sloped at approximately 1:2. Multiple pits may be active at any time. Loose materials disposed of in the pits are covered with crushed tuff to prevent dispersal by the wind. Inactive pits are covered with crushed tuff.

Shafts are constructed to limit external radiation from solid radioactive waste and are used for wastes that need additional separation from personnel to limit exposure. Shafts may be used for disposal of special waste forms including radiologically contaminated animal tissue, high-activity low-level waste, contaminated classified materials, and tritium waste. Shafts may also be used for retrievable storage of high-activity TRU waste. Shafts are spaced at a minimum of one shaft diameter, center to center, and shaft depth varies from 25 to 65 feet. Shafts are lined or unlined, depending on the type of waste they contain. The shafts are covered at all times, except during actual waste emplacement. When a shaft is closed, the top six to ten feet of the shaft is filled with crushed tuff and capped with either a concrete dome or is comprised of crushed tuff domed to promote surface water runoff to promote surface water runoff away from the shaft.

Several structures at Area G are used to temporarily store chemical, hazardous, LLW, MLLW, TRU, and mixed TRU waste generated from Laboratory facilities. This waste is either located in buildings, sheds, tension support domes set on asphalt pads, or on asphalt pads alone. Waste stored on asphalt pads alone is currently in three configurations. One configuration includes the storage of waste in metal boxes (transportainers). These containers are designed for waste transportation and typically meet stringent DOT requirements and are elevated by design preventing contact with stormwater run-on or run-off. Another configuration of waste stored on asphalt pads includes large (3 feet, 4 feet, or 6 feet in diameter) experimental metal vessels. The interiors of these vessels contain radioactive contamination; however, the vessels were designed to be air tight to contain the experiments that were housed inside them. They are placed on pallets to prevent contact with stormwater run-on or run-off. The final configuration includes the storage of waste containers (drums and boxes) on pallets to prevent contact with stormwater run-on or run-off. These containers are also covered to minimize rainwater contact with the containers while being stored on the pads. The potential for stormwater contamination is low at these locations, with the exception of waste loading/off-loading activities (related to transportation to or from the buildings, domes, metal boxes, or asphalt pads).

Area G has been divided into nine separate drainage areas/outfalls. These areas vary both in size and volume of stormwater runoff. Runoff from the drainage areas flows into either Pajarito Canyon or Cañada del Buey. The facility SWPP Plan site maps (Appendix B) shows these

drainage areas delineated by light blue lines. Where there is a drainage associated with an area, the location of the drainage can be seen as an outward-directed point in the otherwise curved line delineating the drainage area. Note that open (not operationally closed with cover/cap) pits constitute closed drainage basins with no canyon drainage.

Area L

Area L, which is approximately 3 acres in size, is a facility for intermediate and long-term storage of solid and liquid chemical, hazardous, and mixed low-level wastes. Sector K industrial activities include sampling, packaging, transporting, and storing of RCRA waste.

Depending on the availability of appropriate off-site recycling or disposal facilities, LANL wastes collected at Area L are either stored on site or transported off-site for treatment, storage, or disposal. Stored waste includes various types of radioactive or hazardous waste, mixed liquid waste, wastes containing PCBs, waste gas cylinders, and non-regulated waste. The waste is primarily stored in drums on pallets housed within structures or on pallets under some other form of cover inside Area L.

Asphalt channels and a storm drain convey stormwater runoff at Area L to a single outfall where stormwater discharge is sampled. Area L is paved with asphalt and contoured to efficiently divert runoff to this conveyance. The runoff from this outfall flows north into Cañada del Buey.

RANT

The Radioassay and Non-Destructive Testing Facility (TA-54-38), which is approximately 0.5 acres, is located on Mesita del Buey, at the intersection of Pajarito and Rex Drive. The RANT was designed for the testing and certification of waste containing TRU elements before its shipment from the Laboratory to the Waste Isolation Pilot Plant (WIPP) for disposal. Current operations support Sector K industrial activities associated with the storage and shipment of TRU/MTRU wastes to WIPP. A loading dock located on the east side of the building is utilized to bring waste containers into the building in preparation for shipment. The southern portion of TA-54-38 consists of a high bay with an overhead crane and roll-up doors. It is within this area that trucks will be loaded with TRU waste drums that are destined for disposal at WIPP, in Carlsbad, New Mexico. The entire fenced yard on the north and east sides of the building can be utilized for waste container storage.

1.4 General Location Map

A LANL general location map for TA-54 is located in Appendix A.

1.5 Site Maps

Area G

Of the approximate 70-acres where MSGP Sector K and Sector L industrial activities occur at Area G, approximately 40% consists of impervious surfaces in the form of structures, rooftops, covered metal bins, transportainers and asphalt/concrete surfaces. Direction of stormwater flow on the site is primarily to the south into Pajarito Canyon with a minor amount of runoff from the site discharging to the north into Canada del Buey. Appendix B has detailed site maps for Area G.

Area L

Area L, which is approximately 3 acres in size, where MSGP Sector K industrial activities occur, consists of approximately 100% impervious surfaces in the form of rooftops, covered metal bins, and asphalt/concrete surfaces. Asphalt channels and a CMP storm drain convey stormwater runoff at Area L to a single outfall where stormwater discharge is sampled. Area L is paved with asphalt and contoured to efficiently divert runoff to this conveyance. The runoff from this outfall flows north into Cañada del Buey. Appendix B has a detailed site map for Area L.

RANT

The approximate 0.5 acres at RANT where MSGP Sector K industrial activities occur consists of approximately 100% impervious surfaces in the form of rooftops, structures, covered metal containers, and asphalt/concrete surfaces. The predominant direction of stormwater discharge is toward the northeast portion of the site where the discharge is sampled. RANT is paved with asphalt, utilizes a grated trench drain, and asphalt berms to direct the stormwater runoff from industrial activity locations toward the outfall and monitoring station. Appendix B has a detailed site map for RANT.

SECTION 2: POTENTIAL POLLUTANT SOURCES

Sector K (RCRA TSDF) industrial activities associated with waste operations at TA-54 (Area G, Area L, and RANT) are primarily centered around the collection, storage, characterization, consolidation, waste handling, and shipment for numerous types of regulated wastes. Sector L (industrial waste landfill) industrial activities are associated with the radioactive solid waste disposal at Area G. Authorized non-stormwater discharges associated with fire hydrant maintenance, fire suppression system maintenance, and eye wash maintenance occurs at all industrial areas. In addition, dust suppression is utilized on unpaved areas in Area G. Section 2.1 will define the activities and associated potential pollutants for each of the TA-54 areas. Solid waste management units (SWMUs) are located within each of these areas. Section 2.1 will list all applicable SWMUs in the vicinity of industrial activities.

2.1 Industrial Activity and Associated Pollutants

Area G Industrial Activity	Area G Associated Pollutants
Loading and unloading radioactive, hazardous, chemical and mixed waste containers (See Site Map Appendix B)	Radionuclides, metals, VOCs, SVOCs, oils, PCBs, fuels, antifreeze
Outdoor waste storage in containers (See Site Map Appendix B)	Radionuclides, metals, VOCs, SVOCs, PCBs
Heavy equipment maintenance and refueling-laydown pad south of 54-281	Fuels, oils, antifreeze, grease, battery acid
Dirt staging/spoils a pile southwest of 54-2 and west of 54-283 and daily cover application	sediment
Radioactive waste hauling and disposal Pit 38 and shafts	Radionuclides
Heavy equipment operation-material handling for radioactive waste disposal	Fuels, oils, antifreeze, grease, battery acid

Scrap metal staging –southcentral portion of site | metals

Area G Solid Waste Management Units (SWMUs)

There are several SWMUs located within and adjacent to the limits of this industrial area. SWMUs within the site limits include.

- SWMU 54-012(a)-Former compactor facility, TA-54-02.
- SWMU 54-013(b)-99 consists of numerous inactive subsurface units that no longer receive waste.
- SWMU 54-015(a)-Former drum storage for TRU/MTRU waste at TA-54-08. Currently an interim status RCRA storage unit.
- SWMU 54-015(b)- Former TRU and LLW storage near TA-54-11.
- SWMU 54-015(j)-Mixed waste storage dome TA-54-49. The dome, which is located on Pit 32, is used for staging, swiping, stacking and storage of TRU and mixed TRU waste.
- SWMUs 54-015 (c through f)-TRU and mixed TRU waste storage Pads 1 through 4 and associated structures. Dome 226 is located on Pad 1, Dome 48 is located on Pad 3, and Pads 2 and 4 have been repaved in 2003 to form one continuous asphalt surface (Pad 10).
- SWMU 54-016(b)- Sump at TA-54-33 designed to collect waste from the removal of the corrosion inhibitor that is sprayed on TRU waste drums.

The majority of the SWMUs listed are inactive underground waste units (disposal or storage) or are structures/locations where current waste management activities are occurring.

<u>Area L</u>	
Area L Industrial Activity	Associated Pollutants
Loading and unloading radioactive, chemical, hazardous, and mixed waste containers (See Site Map Appendix B)	Radionuclides, metals, VOCs, SVOCs, oils, PCBs, fuels, antifreeze
Outdoor waste storage in containers (See Site Map Appendix B)	Radionuclides, metals, VOCs, SVOCs
Heavy equipment maintenance and refueling-	Fuels, oils, antifreeze, grease, battery acid
Heavy equipment operation-material handling	Fuels, oils, antifreeze, grease, battery acid

Area L Solid Waste Management Units (SWMUs)

There are several SWMUs located within and adjacent to the limits of this industrial area. SWMUs within the site limits include:

- SWMU 54-001(a)-Former bermed hazardous waste storage area for pails and drums. The site is the current location of Building TA-54-215.
- SWMU 54-001(b)-Container accumulation, packaging, and storage (TA-54-31).
- SWMU 54-001(d)-PCB storage area in building TA-54-39.

- SWMU 54-001(e)-Sheltered concrete storage pad partitioned into six cells, TA-54-32.
- SWMU 54-006- Inactive disposal units under Area L asphalt including Pit A; surface impoundments B and D; and disposal shafts.
- SWMU 54-002-Compressed gas storage area, Dome 216.
- SWMU 54-009-Barium Treatment Tanks. All tanks have been removed and units have been closed in accordance with RCRA.
- SWMU 54-014(a). Two lead stringer shafts at the northwest corner of Area L. The lead stringers were removed in the fall of 2004 and have been closed in accordance with the RCRA permit.
- SWMU 54-012(b)-Former location of drum compactor.

<u>RANT</u>	
RANT Industrial Activity	Associated Pollutants
Loading and unloading radioactive, chemical, hazardous, and mixed waste containers (See Site Map Appendix B)	Radionuclides, metals, VOCs, SVOCs, oils, fuels, antifreeze
Outdoor waste storage in containers (See Site Map Appendix B)	Radionuclides, metals, VOCs, SVOCs
Heavy equipment maintenance and refueling	Fuels, oils, antifreeze, grease, battery acid
Heavy equipment operation-material handling	Fuels, oils, antifreeze, grease, battery acid

RANT Solid Waste Management Units (SWMUs)

There are no current SWMUs located within or adjacent to the limits of this industrial area.

2.2 Spills and Leaks

Authorized non-stormwater discharges occur at all TA-54 industrial facilities. Typical authorized non-stormwater discharges consist of fire hydrant maintenance/testing, fire suppression systems maintenance/testing, safety shower/eye wash maintenance/testing, and dust suppression activities in Area G. The following tables will identify the locations within the respective areas where potential spills or leaks could occur during industrial activities.

Area G Areas of Site Where Potential Spills/Leaks Could Occur

Area G Location	Outfalls
Entrance to TSDF structures and asphalt pads-loading/unloading/storage.	ENV-RCRA monitored outfalls (See Site Map Appendix B)
Basecourse laydown pad, south of 54-281-heavy equipment storage and maintenance	ENV-RCRA monitored outfalls (See Site Map Appendix B)
Travel corridor between TSDF structures and pads-heavy equipment leaks	ENV-RCRA monitored outfalls (See Site Map Appendix B)

Area L**Areas of Site Where Potential Spills/Leaks Could Occur**

Area L Location	Outfalls
Entrance to TSDF structures and asphalt storage area-loading/unloading/storage.	Single ENV-RCRA monitored outfall E227 (See Site Map Appendix B)
Travel corridor between TSDF structures and pads-heavy equipment leaks	Single ENV-RCRA monitored outfall E227 (See Site Map Appendix B)

RANT**Areas of Site Where Potential Spills/Leaks Could Occur**

RANT Location	Outfalls
Entrance and exit to TSDF structure and asphalt storage area-loading/unloading/storage.	Single ENV-RCRA monitored outfall E220 (See Site Map Appendix B)
Travel corridor between TSDF structures and pads-heavy equipment leaks	Single ENV-RCRA monitored outfall E220 (See Site Map Appendix B)
Asphalt pad east of building 54-38- vehicle/heavy equipment parking	Single ENV-RCRA monitored outfall E220 (See Site Map Appendix B)

Description of Past Spills/Leaks

There were no occurrences of significant spills at Area G and RANT facilities within 3 years of the preparation of this SWPPP. There were minor leaks of vehicle fluids from heavy equipment operations. These spills did not discharge into a watercourse or offsite and were promptly cleaned up and recorded on LANL's internal spill report.

Area L had one spill of fire suppression water that had elevated tritium contamination. During December of 2006 the fire suppression system for Dome 215 froze, burst its pipes and activated. This event discharged water across the asphalt floor of Dome 215, which drains into tank 54-328 located east of Dome 215. This tank overflowed with the fire suppression water and discharged approximately 1000 gallons to Canada del Buey. Even though the tritium contamination was elevated (compared to background levels), it was well below EPA drinking water standards. There were minor leaks of vehicle fluids from heavy equipment operations. These spills were promptly cleaned up and recorded on LANL's internal spill report.

2.3 Non-Stormwater Discharges Documentation

- Date of evaluation: 12-18-08
- Description of the evaluation criteria used: A complete TA-54 Area G, Area L, and RANT sites inspection was performed on 12-18-08. Observation criteria included any evidence of active or inactive non-stormwater discharges (e.g. rilling or staining of pavement or ground).

Criteria also included the evaluation for the presence of vehicle washwater non-stormwater discharges

- List of the outfalls or onsite drainage points that were directly observed during the evaluation: **Outfalls identified on Site Map (see attachment)**
- Different types of non-stormwater discharge(s) and source locations: **There were no non-stormwater discharges observed during the inspection**
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. **None**

2.4 Sampling Data Summary

The most recent sampling events under the 2000 NPDES MSGP for Industrial Activities occurred during 2004. Storm water runoff from TA-54 is monitored by five automated stations in Area G (see site map), a single monitored station at Area L (E223), and a single monitored station at RANT (E220) Area G sampling results indicated benchmark exceedances for Mg, Fe, TSS, COD, and Al. Area L and RANT sampling results indicated benchmark exceedances for Mg.

SECTION 3: STORMWATER CONTROL MEASURES

3.1 Minimize Exposure

To minimize exposure of industrial activities (RCRA waste storage and processing) to precipitation events TA-54 facilities (Area G, Area L, and RANT) store wastes in containers inside structures and domes (as space allows) and any containerized wastes stored outdoors are stored under tarps, covers or in a container designed for outdoor use (transportainers). Also all wastes are stored on pallets or in a container elevated by design to prevent waste container contact with run-off or accumulated precipitation. Area G landfill activities minimize exposure of potential contaminants by storing wastes in covered containers or by emplacing the waste upon receipt at Area G. If bulk waste is disposed, it is covered with clean fill at the end of the shift. Also, disposal pits have sloped entrances and do not have stormwater discharge associated with disposal operations.

3.2 Good Housekeeping

All waste management and storage areas are kept clean and neat. Vehicles and other equipment are stored and maintained in specified areas (see site map). The site support service group typically performs all vehicle maintenance and collects and removes and manages all wastes following service. Operations personnel at the TA-54 facilities perform daily and weekly inspections/rounds which are focused toward keeping the site clean, spills prevention and detection, and identification of potential compliance issues. If a spill is witnessed it is remediated in accordance with this procedure and notifications are made, as necessary, in accordance with P 322-3 "Manual for Communicating, Investigating, and Reporting Abnormal Events". In addition to the facility rounds/inspections TA-54 operations personnel perform daily

(during operations) and weekly RCRA inspections. These inspections would also identify, record and track housekeeping issues.

3.3 Maintenance

At the TA-54 facilities, preventive maintenance (PM) is performed on all heavy equipment on a six-month schedule. Also, operators perform a preoperation inspection on equipment prior to use. These inspections would identify any maintenance issues or leaks that need to be remedied. TA-54 personnel perform daily/weekly rounds at the facility. These rounds would identify any facility maintenance issues on site. Also, the routine inspections of the facility's SWPPP structural controls by the SWPP Team identifies corrective measures necessary for maintaining the controls in proper operating condition. (See also Section 3.7.1 Preventive Maintenance for Sector L)

3.4 Spill Prevention and Response

The application of good housekeeping procedures and the regular visual inspections minimize the probability of a spill or release. Also, LANL's institutional procedures P409 *Waste Management* and P101-14 *Chemical Management* require labeling of wastes, used oils, and chemicals stored on-site to facilitate the proper handling and response if spills or leaks occur.

Operational controls are implemented to minimize the possibility of any accidents resulting in spills or releases off site. In general, the approach to spill clean-up of a known substance is to first contain the spill by securing the spill source and deploying spill containment materials. If secondary containment is being provided (e.g. secondary containment pallets for liquids) it will contain the spill. Small spills are responded to by the operator involved in the spill, or by the operator located in the vicinity. For incidental releases, absorbents are used to pick-up free liquids and the contaminated absorbents are properly disposed. Standard procedures for spill containment and clean up include the use of spill control kits, sorbent pillows, socks, sheets, and granules. Clean-up residues are managed as appropriate and as determined by the facility waste management coordinator and ENV-RCRA personnel depending on the material spilled. Larger spills require that ENV-RCRA personnel be contacted to respond to the spill, securing the spill area and contacting LANL's Emergency Management & Response (EM&R) Team.

The LANL EM&R Office has been appointed by the Laboratory Director as the organization responsible for emergency management at the Laboratory. The LANL EM&R Office will be notified if a spill cannot be easily controlled with the materials on hand, threatens to escape the facility or enter the environment, additional resources are needed, an unidentified hazard exists, injuries have occurred, fire protection is needed, or if operational or facility personnel are not adequately trained in the use of spill control equipment or are not confident in their ability to carry out spill response activities. They can be reached at 667-6211 or, after hours at 667-7080. If a 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. 911 should also be dialed in the event of an employee injury. In the event of a spill, the EM&R Office will notify the individuals or organizations responsible for the completion of spill reports or the fulfillment of regulatory reporting requirements.

At LANL, the completion of a spill report may be required in the event of a spill. This determination will be made by the EM&R Office or ENV-RCRA in accordance with Laboratory

and U.S. Department of Energy (DOE) policies, and federal and state regulatory reporting requirements. In addition to fulfilling reporting requirements, spill reports assist user Groups and Laboratory management in assessing the cause of a spill and in executing corrective action.

Two types of spill reporting are required at the Laboratory: internal spill record keeping and external agency notification. Copies of internal spill reports will be kept by the SWPPP Team member, ENV-RCRA and the responsible organization. External agency notification (as determined by ENV-RCRA personnel) may consist of verbal or written notification to the National Response Center, EPA Region VI, or the New Mexico Environment Department.

3.5 Erosion and Sediment Controls

Area G Type of Erosion Control	Location of Control(s)
• Rock check dams	See Site Maps
• Silt fencing	See Site Maps
• Rock gabion weir	See Site Maps
• Vegetation	See Site Maps
• Cement detention basin	See Site Maps
• Turf reinforcement matting	See Site Maps
• Rock blankets	See Site Maps
• Gravel and cobble rock	See Site Maps
• Earthen berms	See Site Maps
• Rock/gravel swale	See Site Maps
• Earthen detention basins	See Site Maps

Area L and RANT are both covered with impervious materials (asphalt, concrete, and structure roofs) and do not have any erosion or sediment BMPs implemented in these areas.

3.6 Management of Runoff

Area G Runoff Management Control	Location of Control(s)
o Bar ditch	See Site Maps
o PVC discharge pipes	See Site Maps
o Grated stormwater inlets	See Site Maps
o CMP energy dissipaters	See Site Maps
o Earthen berms	See Site Maps
o Culverts	See Site Maps
o Asphalt/concrete berms or curbing	See Site Maps
o Asphalt/concrete swales	See Site Maps
o CMPs	See Site Maps
o Site slope and grading	See Site Maps
Area L Runoff Management Control	Location of Control(s)
o CMP energy dissipaters	See Site Maps
o Culverts	See Site Maps
o Asphalt/concrete berms or curbing	See Site Maps
o Asphalt/concrete swales	See Site Maps
o Site slope and grading	See Site Maps
RANT Runoff Management Control	Location of Control(s)
o CMP energy dissipaters	See Site Maps
o Culverts	See Site Maps
o Grated trench drain	See Site Maps
o Asphalt/concrete berms or curbing	See Site Maps
o Asphalt/concrete swales	See Site Maps
o Site slope and grading	See Site Maps

3.7 Area G Sector-L Non-Numeric Effluent Limits

3.7.1 Preventive Maintenance Program

In addition to the preventive maintenance identified in section 3.3 the following will be performed during routine inspections. The integrity and effectiveness of any intermediate or final cover will be assessed for settlement, sinking, and erosion. If any of the above conditions are identified, then the corrective actions process identified in Section 5.4 of this document will be followed.

3.7.2 Erosion and Sedimentation Control

Provide temporary stabilization (e.g., temporary seeding, mulching, and placing geotextiles) for inactive areas of the landfill and landfill areas that have gotten final covers but where vegetation has yet to establish itself. Stockpiled crushed tuff doesn't erode readily due to its absorbent tendencies and does not need to be stabilized to prevent excessive erosion. Very little rilling or erosion occurs on the Area G tuff stockpiles. Earthen berms are installed around the base of the stockpiles and the top of the stock piles are sloped to prevent any concentrated point for stormwater to discharge creating excessive erosion.

3.7.3 Recordkeeping for Landfill Activities

Disposal records will be retained in the TA-54 LLW database. Records will include information such as the types of wastes disposed of in each pit or shaft.

3.8 Employee Training

Employee training is essential for effective implementation and maintenance of the TA-54 SWPP Plan. The objective of the training program is to (1) instill in employees and managers an understanding of the purpose of the SWPP Plan, (2) help them recognize situations that could lead to storm water contamination, and (3) train personnel in proper spill response and control procedures.

All operational site workers, managers, and supervisors at the TA-54 as well as SWPPP team members will annually receive storm water pollution prevention training. This training is recorded in LANL's employee development system (EDS) database.

The training will incorporate at a minimum, the following topics:

- Objective of the SWPP Plan
- Spill response and cleanup
- Conducting inspections
- Good housekeeping and material management practices to prevent storm water pollution
- Monitoring

- Site-specific structures, equipment and procedures designed to minimize storm water pollution and soil erosion
- Reporting and documentation requirements

3.9 Non-Stormwater Discharges

There were no unauthorized non-stormwater discharges identified during the site evaluation (See Section 2.3)

The following are the non-stormwater discharges authorized under this permit:

- Discharges from fire-fighting activities;
- Fire hydrant flushings;
- Potable water, including water line flushings;
- Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
- 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);
- Routine external building washdown that does not use detergents;
- Uncontaminated ground water or spring water;

3.10 Waste, Garbage and Floatable Debris

TA-54 facility personnel perform inspections/rounds to identify housekeeping issues (including waste items). Personnel remove all waste items and dispose of them in an appropriate manner.

3.11 Dust Generation and Vehicle Tracking of Industrial Materials

TA-54 Area G's landfill industrial activities occur primarily in the central and western portion of Area G which is comprised mostly of exposed tuff and basecourse. Dust generation during landfill activities in these areas is minimized by utilizing both water as a dust suppressant as well as application of chemical dust suppressants on travel corridors such as magnesium chloride and Durasoil products. Vehicle tracking of landfill cover material (tuff) is very limited due to the lack of organic and clay content in tuff.

SECTION 4: Storm Water Monitoring

Analytical monitoring comprised of quarterly benchmark and impaired waters monitoring will be performed on storm water discharges from the site. Monitoring events will be from storm events that result in an actual discharge from the site and that follow the preceding measurable storm event by at least 72 hours (3 days). For runoff from snowmelt, the monitoring will be performed at a time when a measurable discharge from the site occurs.

Monitoring will be conducted according to test procedures approved under 40 CFR Part 136. Runoff samples will be collected by taking a minimum of one grab sample from a discharge,

collected within the first 30 minutes of a measurable storm event. If it is not possible to collect the sample within the first 30 minutes of a measurable storm event, the sample will be collected as soon as practicable after the first 30 minutes and documentation will be kept with the SWPPP explaining why it was not possible to take samples within the first 30 minutes.

4.1 Monitoring Schedule

For this permit term, monitoring will begin in the first full quarter following April 1, 2009. Benchmark monitoring will continue on a quarterly basis at least once in each of the following 3-month intervals:

- January 1 – March 31;
- April 1 – June 30;
- July 1 – September 30; and
- October 1 – December 31.

Impaired waters monitoring will be performed on an annual basis with a sample collected in the period between October 1 and September 30.

LANL is located in a high elevation, semi-arid climate where the majority of rainfall occurs during a period between July and September. Freezing conditions that would prevent runoff from occurring for extended periods may also occur during the winter months. For these conditions if benchmark monitoring cannot be performed on the quarterly schedule above, monitoring events will be distributed during seasons when precipitation occurs, or when snowmelt results in a measurable discharge from the site. If adverse weather conditions prevent the collection of samples according to the relevant monitoring schedule, a substitute sample will be collected during the next qualifying storm event or as soon as practical.

4.2 Substantially Identical Outfalls

The Area G facility utilizes substantially identical outfalls for monitoring events. The outfalls have been identified as substantially identical based on common potential pollutant sources, drainage areas, activities within the drainage areas, and general site topography and characteristics. Required information supporting this outfall determination is as follows:

- *Drainage Area 2 (not monitored)*: The activities occurring at this outfall (see site maps for location) include RCRA permitted storage of containerized hazardous and mixed waste in Dome 153 and on asphalt Pad 6 with very limited potential for exposed materials to pollute runoff. Structural BMPs include an asphalt berm, asphalt swale, rock blanket, silt fence and site grade. The estimated surface area is 40,700 feet², with a medium runoff coefficient. The essentially identical outfall, *Drainage Area 1 (monitored)*, includes the identical industrial activities and similar stormwater management for three storage domes (-49, -283, and -224), four storage sheds (-1027, -1028, -1030, -1041), and four asphalt Pads (5 through 8) to the south and west of Drainage Area 2. Structural BMPs include rock check dams, turf reinforcement matting, silt fencing, culverts and site grade. The estimated surface area is 207,000 feet², with a medium runoff coefficient.

- *Drainage Area 7*: The activities occurring at this outfall (see site maps) include RCRA permitted storage of containerized hazardous and mixed waste in domes (-229, -230, and -231) and on a portion of asphalt Pad 9. An estimated surface area is 99,800 feet², with a high runoff coefficient. The essentially identical outfall, *Drainage Area 8 (monitored)*, includes the identical industrial activities (indoor and outdoor containerized hazardous and mixed waste) and similar stormwater management for three storage domes (-232, -48, and -226) and portions of four asphalt Pads (1, 3, 9, and 10) directly to the northeast of Drainage Area 7. The estimated surface area is 219,000 feet², with a high runoff coefficient. Both drainage areas are primarily impervious (covered by asphalt and structure roofs). Drainage Area 8 has a couple of rock check dams immediately upstream of the monitoring station located south of the access gate at the southeast end of Area G. The rest of the stormwater controls (weep holes in concrete curb, grated trench drain, and site grade) are intended for collection and discharge of stormwater away from industrial activities.

4.3 Summary of Monitoring Requirements

Monitoring Type	Location	Parameters	Numeric Limitations	Schedule	Procedures	
Benchmark	See Site Map	Ammonia	2.14 mg/L	None	Quarterly	<ol style="list-style-type: none"> 1. Collect samples in automated samplers 2. Samples retrieved by WES-RS personnel 3. Samples processed for analysis and shipment at storm water laboratory at TA-59-1 4. Samples sent to off-site laboratory for analysis and data reporting 5. See EP-SOP-5213 for additional details
		Total Magnesium	0.064 mg/L			
		Chemical Oxygen Demand (COD)	120 mg/L			
		Total Arsenic	0.15 mg/L			
		Total Cadmium	Hardness Dependent			
		Total Cyanide	0.022 mg/L			
		Total Lead	Hardness Dependent			
		Total Mercury	0.0014 mg/L			
		Total Selenium	0.005 mg/L			
		Total Silver	Hardness Dependent			
		Total Suspended Solids (TSS) ¹	100 mg/L			
Total Iron	1 mg/L					
Impaired Waters ²	See Site Map	Aluminum		None	Annual	<ol style="list-style-type: none"> 1. Collect samples in automated samplers 2. Samples retrieved by WES-RS personnel 3. Samples processed for analysis and shipment at storm water laboratory at TA-59-1 4. Samples sent to off-site laboratory for analysis and data reporting 5. See EP-SOP-5213 for additional details
		Gross Alpha				
		Radium 226				
		Radium 228				
		Selenium				

¹ Sector L Industrial Landfill pollutants only

² Impaired Waters constituents for Canada del Buey- Al, Gross Alpha, Radium 226, Radium 228. Pajarito Canyon constituents- Al, Gross Alpha, Radium 226, Radium 228, Selenium

4.4 Monitoring Results

If the average of the 4 monitoring values for any parameter exceeds the benchmark, or if prior to completion of 4 quarterly samples, an exceedance of the 4 quarter average is mathematically certain, the Pollution Prevention Team and ENV-RCRA personnel will:

- Review the selection, design, installation, and implementation of your control measures to determine if modifications are necessary to meet the effluent limits,
- Implement the necessary modifications, and
- Continue quarterly monitoring until 4 additional quarters of monitoring have been completed for which the average does not exceed the benchmark.

If the average of the 4 monitoring values for any parameter does not exceed the benchmark, monitoring for that particular parameter will no longer be performed.

4.5 Recordkeeping

For each monitoring event, except snowmelt monitoring, the following information will be recorded and maintained through field data sheets, LANL database systems, and Discharge Monitoring Records:

- The date, exact place, and time of sampling or measurements
- The date and duration (in hours) of the rainfall event
- Rainfall total (in inches) for that rainfall event
- Time (in days) since the previous measurable storm event
- The individual(s) who performed the sampling or measurements
- The date(s) analyses were performed
- The individual(s) who performed the analyses
- The analytical techniques or methods used and
- The results of such analyses

For snowmelt monitoring, all information except rainfall event durations, totals, and time since previous event will be included. Additionally, all records of monitoring information, including all calibration and maintenance records will be maintained for a minimum period of at least three years from the date the permit expires.

SECTION 5: INSPECTIONS AND CORRECTIVE ACTIONS

5.1 Routine Facility Inspections

For RCRA TSD activities (Sector K), routine inspections will be conducted and documented quarterly (Jan-March, April-June, July-September, October-December) by a qualified member of the SWPP Team (typically the Deployed Environmental Generalist or ENV-RCRA Water Quality SME).

One routine inspection will be conducted during an active stormwater discharge. Routine inspections will evaluate the following, at a minimum:

- Presence of previously unidentified discharges of pollutants from the site
- Control measures needing maintenance or repairs
- Failed controlled measures that need replacement
- Incidents of noncompliance
- Need for additional control measures needed to comply with the permit requirements

Industrial landfill activities (Sector L) routine inspections will be conducted monthly (semi-arid climate)

Specific areas of the facility to be inspected include:

Sector K (RCRA TSD activities)-loading and unloading locations at the entrances to the TA-54 RCRA TSD facilities, erosion control and stormwater BMPs (see site maps) and heavy equipment storage locations.

Sector L (Landfill activities)-soil stockpiles and associated BMPs, active portions of landfill (pit and shafts), any stabilization measures implemented on closed portions of the landfill (revegetation, erosion control mats etc.) and heavy equipment storage locations.

The SWPP Team member performing the inspection will document the inspection and will note potential stormwater pollution problems that were encountered on the routine facility inspection form. Any required corrective actions identified during the inspection will be addressed in accordance with Section 5.4 *Corrective Action* of this plan.

5.2 Comprehensive Site Inspections

The annual site comprehensive inspection will be conducted and documented during one of the quarterly routine inspections (Jan-March, April-June, July-September, October-December) by a qualified member of the SWPP Team (Deployed Environmental Generalist or ENV-RCRA Water Quality SME). Usually the comprehensive site inspection is conducted during the third quarter (July-September), which is typically the timeframe for the highest intensity precipitation events. Comprehensive site inspections will evaluate the following, at a minimum:

- all areas identified in the SWPPP as potential pollutant sources

- any areas where control measures are used to comply with the effluent limits
- areas where spills and leaks have occurred in the past 3 years.
- industrial materials, residue, or trash that may have or could come into contact with stormwater;
- offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- leaks or spills from industrial equipment, drums, tanks, and other containers
- control measures needing replacement, maintenance, or repair

Also the inspector will review the results of monitoring data collected from the past year's visual and analytical monitoring when planning and conducting inspections.

The SWPP Team member performing the inspection will document the inspection and will note potential stormwater pollution problems that were encountered on the comprehensive facility inspection form. Any required corrective actions identified during the inspection will be addressed in accordance with Section 5.4 *Corrective Action* of this plan.

5.3 Quarterly Visual Assessments

The quarterly (Jan-March, April-June, July-September, October-December) visual assessments will be conducted at TA-54 industrial facility outfalls by a qualified member of the SWPP Team (Deployed Environmental Generalist or ENV-RCRA Water Quality SME). Visual assessments will:

- use a clean clear glass or plastic sample container in a well lit area
- be collected in the first 30 minutes of a discharge from a storm event or document why it couldn't be collected during the specified time frame (adverse conditions etc)
- be conducted at least 72 hours since the last storm event
- document rationale if a visual assessment is unable to be collected in a quarter (no precipitation event or adverse conditions)
- perform an additional assessment during the next qualifying storm event if unable to perform in a particular quarter
- perform one quarterly assessment during snow melt discharge

The visual assessment will inspect for the following water quality characteristics: color, odor, clarity, floating solids, settled solids, suspended solids foam, oil sheen, and other obvious indicators of stormwater pollution.

The SWPP Team member performing the visual assessment will document potential stormwater pollution problems that were observed during the assessment on the Quarterly Visual Assessment form. Any required corrective actions identified during the assessment will be addressed in accordance with Section 5.4 *Corrective Action* of this plan.

5.4 Corrective Action Process

Upon discovery of any of the following conditions, the condition must be documented within 24 hours of the discovery on the appropriate form (routine, comprehensive or visual inspection forms) and provided to the Operations Center for initiation of corrective actions, if necessary:

- an unauthorized release or discharge (e.g., spill, leak, or discharge of non-stormwater not authorized by this or another NPDES permit) occurs at your facility;
- a discharge violates a numeric effluent limit (currently there are no numeric effluent limits for TA-54);
- control measures are not stringent enough for the discharge to meet applicable water quality standards;
- an inspection or evaluation of the facility determines that modifications to the control measures are necessary to meet the non-numeric effluent limits in this permit; or
- routine facility inspection, quarterly visual assessment, or comprehensive site inspection identifies that control measures are not being properly operated and maintained

Within 14 days of discovery of the identified condition, corrective action(s) to eliminate or further investigate the condition or documentation that no corrective action is needed will be documented by the ESH Generalist on the appropriate form. Upon completion of this information and with concurrence of facility operations, the form will be emailed to ENV-RCRA personnel for review and comment. Upon review and comment by ENV-RCRA, the form will be emailed back to the ESH Generalist and to the ENV Division Issues Management Coordinator (IMC) for entry into the Laboratory Issues Management Tracking System (LIMTS). This is required to track the status of all issues and the form will be submitted to EPA as a part of the Annual Site Compliance Evaluation Reporting Form by ENV-RCRA. In addition, the ESH Generalist will forward the ENV-RCRA reviewed corrective action form to the Operations Center for initiation of corrective actions.

If it is determined that corrective actions are necessary, any modifications to control measures will be made before the next storm event if possible, or as soon as practicable following that storm event.

5.5 Conditions Requiring Review to Determine if Modifications Are Necessary

If any of the following conditions occur, a review of the selection, design, installation, and implementation of control measures will be performed to determine if modifications are necessary to meet the effluent limits in this permit:

- construction or a change in design, operation, or maintenance at your facility significantly changes the nature of pollutants discharged in stormwater from the facility, or significantly increases the quantity of pollutants discharged; or
- the average of 4 quarterly sampling results exceeds an applicable benchmark. If less than 4 benchmark samples have been taken, but the results are such that an exceedance of the 4 quarter average is mathematically certain (i.e., if the sum of quarterly sample results to date is more than 4 times the benchmark level) this is considered a benchmark exceedance, triggering this review

If a review identifies any necessary modifications, they will be performed following the corrective action process identified in Section 5.4 above.

SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS

6.1 Documentation Regarding Endangered Species

The Los Alamos National Laboratory (LANL) Habitat Management Plan (HMP) is a document prepared by LANL personnel as part of the Dual-Axis Radiographic Hydrodynamic Test Facility Mitigation Action Plan. The HMP includes all of LANL. The purpose of the HMP is to provide for the protection of threatened and endangered species and their habitats on LANL. The HMP is designed to be a comprehensive landscape-scale management plan that balances the current operations and future development needs of LANL with the habitat requirements of threatened and endangered species. It also facilitates DOE compliance with the Endangered Species Act (ESA) and related federal regulations. The HMP was sent to the US Fish and Wildlife service and has received ESA section 7 concurrence.

The HMP defines site plans and monitoring plans for threatened and endangered species that occur or may occur on LANL. Currently, there are site plans for each of the following threatened and endangered species occurring or potentially occurring at LANL: southwestern willow flycatcher and Mexican spotted owl. The purpose of site plans is to provide guidelines that ensure LANL operations do not adversely affect these species or their habitats. Suitable habitats for these species, along with a protective buffer area surrounding the habitats, have been designated as Area of Environmental Interests (AEIs). Site plans provide information on the location of AEIs and guidelines for their management. In general, an AEI consists of a core area that contains important breeding or wintering habitat for a specific species and a buffer area around the core area. The buffer protects the core area from disturbances that would degrade the value of the core area to the species.

As determined by earlier evaluations, stormwater discharges, allowable non-stormwater discharges and stormwater discharge related activities from LANL MSGP locations will not adversely affect any species that are federally-listed as endangered or threatened under the ESA and will not result in the adverse modification or destruction of habitat that is federally-designated as "critical habitat" under the ESA. New activities will be re-evaluated to determine if they will have an impact to any species. If an activity can be complete with in the guidelines of the HMP it can go forward as scheduled, however if the activity can not comply with the guidelines the HMP requires that a project specify Biological Assessment be prepared for the action.

6.2 Documentation Regarding Historic Properties

The Cultural Resources Team reviewed, in December 2008 (using GPS spatial data as well as conducting visual inspections), the Laboratory projects and their associated outfall stations listed (see list below) in the 2000 Multi-Sector General Permit for Industrial Sites (Permit #NMR05A734 & NMR05A735) for effects on historic properties. All of these sites were found to be undertakings of no effect and in compliance with Section 106 of the NHPA.

- 1) TA-3-22, Power Plant
- 2) TA-3-38, Metal Shop
- 3) TA-3-39, Metal Shop
- 4) TA-3-66, Sigma Foundry

- 5) TA-60, Asphalt Batch Plant
- 6) TA-16, Burn Grounds
- 7) TA-50-37, WCRRF & RAMROD Facility
- 8) TA-55 Plutonium Facility
- 9) TA-54, Area G – South Side
- 10) TA-54, Area G – North Side
- 11) TA-54, Area L
- 12) TA-54-38, RANT
- 13) TA-14-23, OB/OD
- 14) TA-39-6, OB/OD
- 15) TA-39-57, OB/OD
- 16) TA-15-185, Vehicle Maintenance Shop
- 17) TA-60-1, Motor Pool
- 18) TA-60 Materials Recycling Facility
- 19) TA-60-250 Roads & Grounds Facility

6.3 Documentation Regarding NEPA Review

The Final Site-Wide Environmental Impact Statement for the Operation of Los Alamos National Laboratory (DOE/EIS-0380) was issued in May 2008, and a Record of Decision in September 2008. Stormwater issues and associated pollution prevention requirements and activities at LANL are analyzed in Chapters 4 and 5 of the 2008 Site-Wide EIS. These activities are integrated into environmental reviews on a project-specific level through both the LANL excavation permit process and the LANL project requirements (PR-ID) process. Stormwater issues are identified and pollution prevention activities are implemented during the design and construction phases of all LANL projects, and as part of facility operations, including routine maintenance. LANL staff monitors stormwater pollution prevention compliance at the MSGP sites in accordance with Section 4.0 *Monitoring* of this plan. Corrective actions are taken as necessary as described in Section 5.4 *Corrective Actions Process* of this plan.

SECTION 7: SWPPP 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.

Name: Louis Jalozet Title: Shift Operations Manager

Signature: [Handwritten Signature] Date: 12/19/08

SECTION 8: SWPPP MODIFICATIONS

Modification of this SWPPP will occur whenever necessary to address any of the triggering conditions for corrective action in Part 5.4 of this plan and to ensure that they do not reoccur, or to reflect changes implemented when a review following the triggering conditions in Part 5.5 indicates that changes to control measures are necessary to meet the effluent limits in this permit. Changes to this SWPPP document must be made in accordance with the corrective action deadlines in Parts 5.4 and must be signed and dated in accordance with MSGP Appendix B, Subsection 11 (A, B, or C).

SWPPP APPENDICES

Appendix A – General Location Map

Appendix B – Site Map

Appendix C- 2008 MSGP

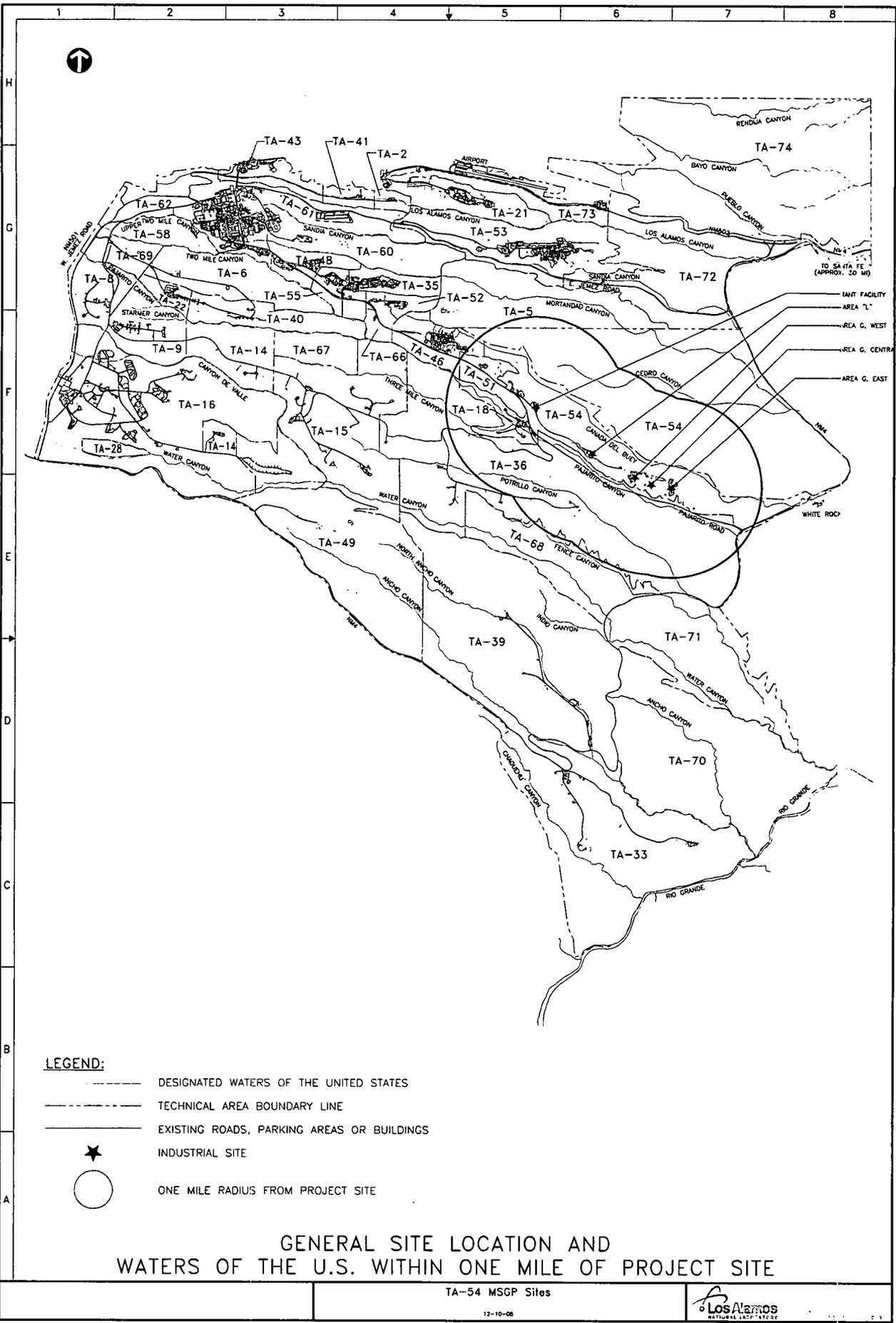
Appendix D- NPDES Corrective Action Report

Appendix E- EPA NOI

Appendix F- MSGP Monitoring Requirements

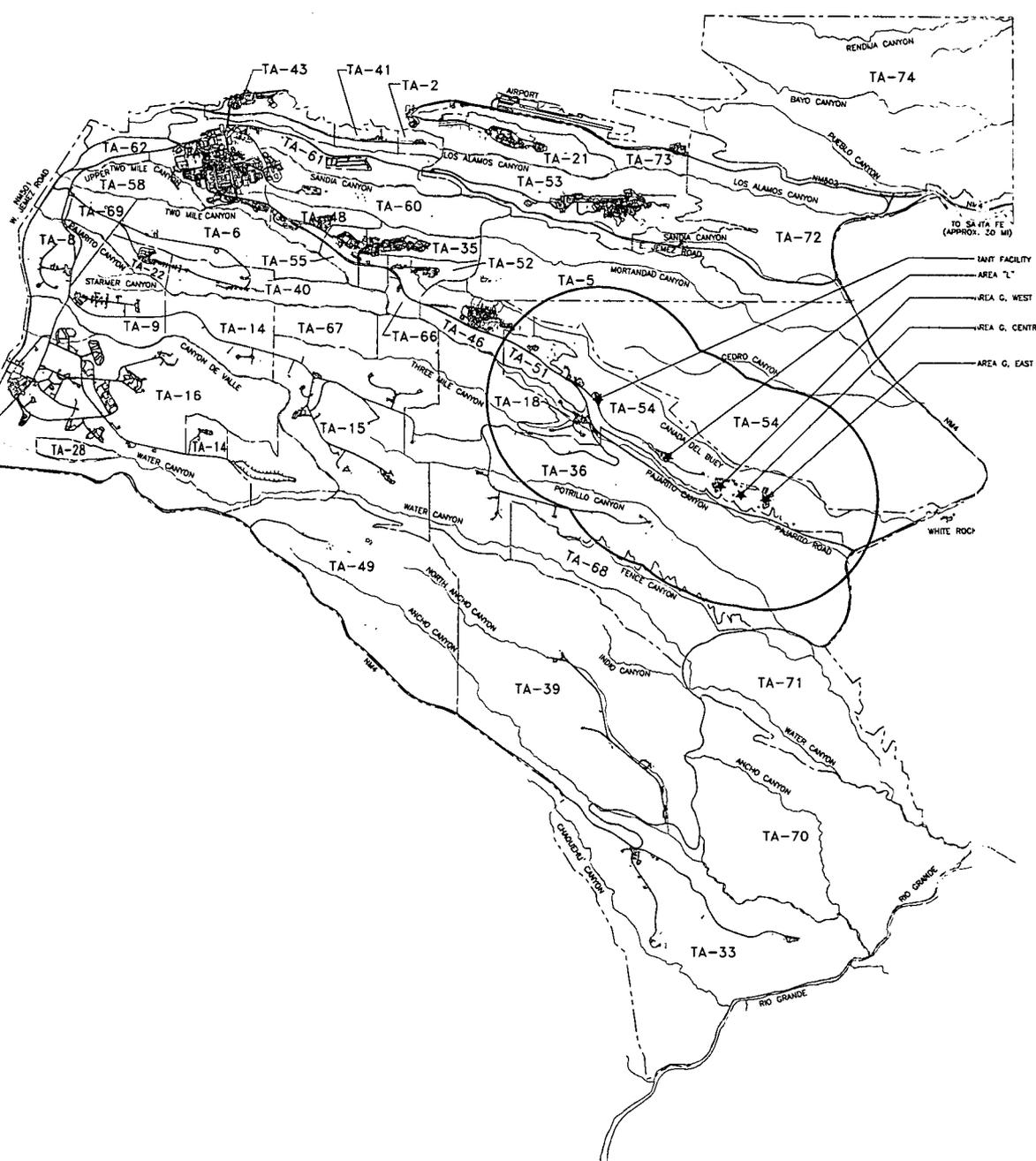
Appendix A

TA-54 General Location Map



H
G
F
E
D
C
B
A

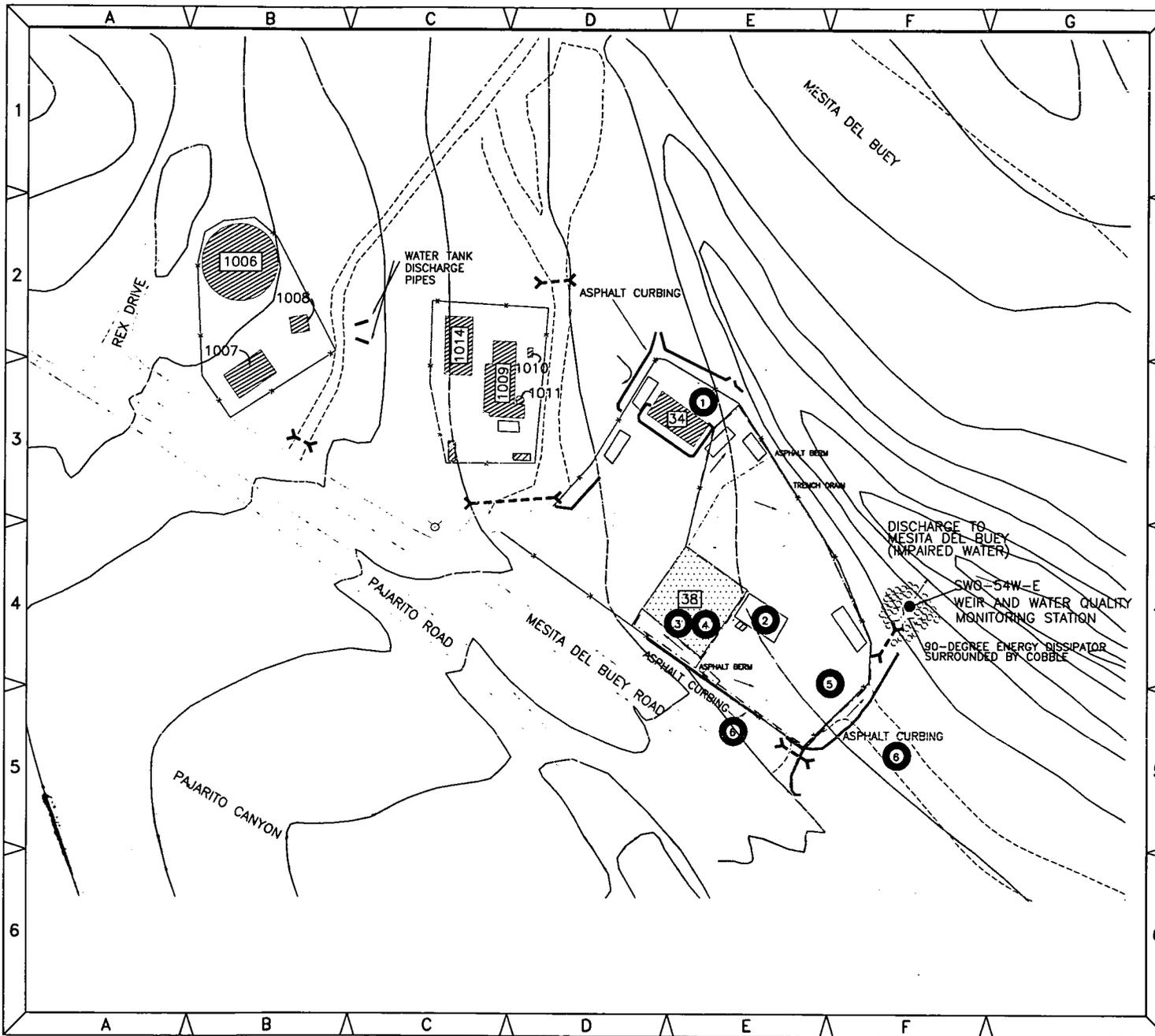
1 2 3 4 5 6 7 8



TAIY FACILITY
AREA "L"
AREA G, WEST
AREA G, CENTRAL
AREA G, EAST

Appendix B

TA-54 Site Maps



SYMBOLS LEGEND

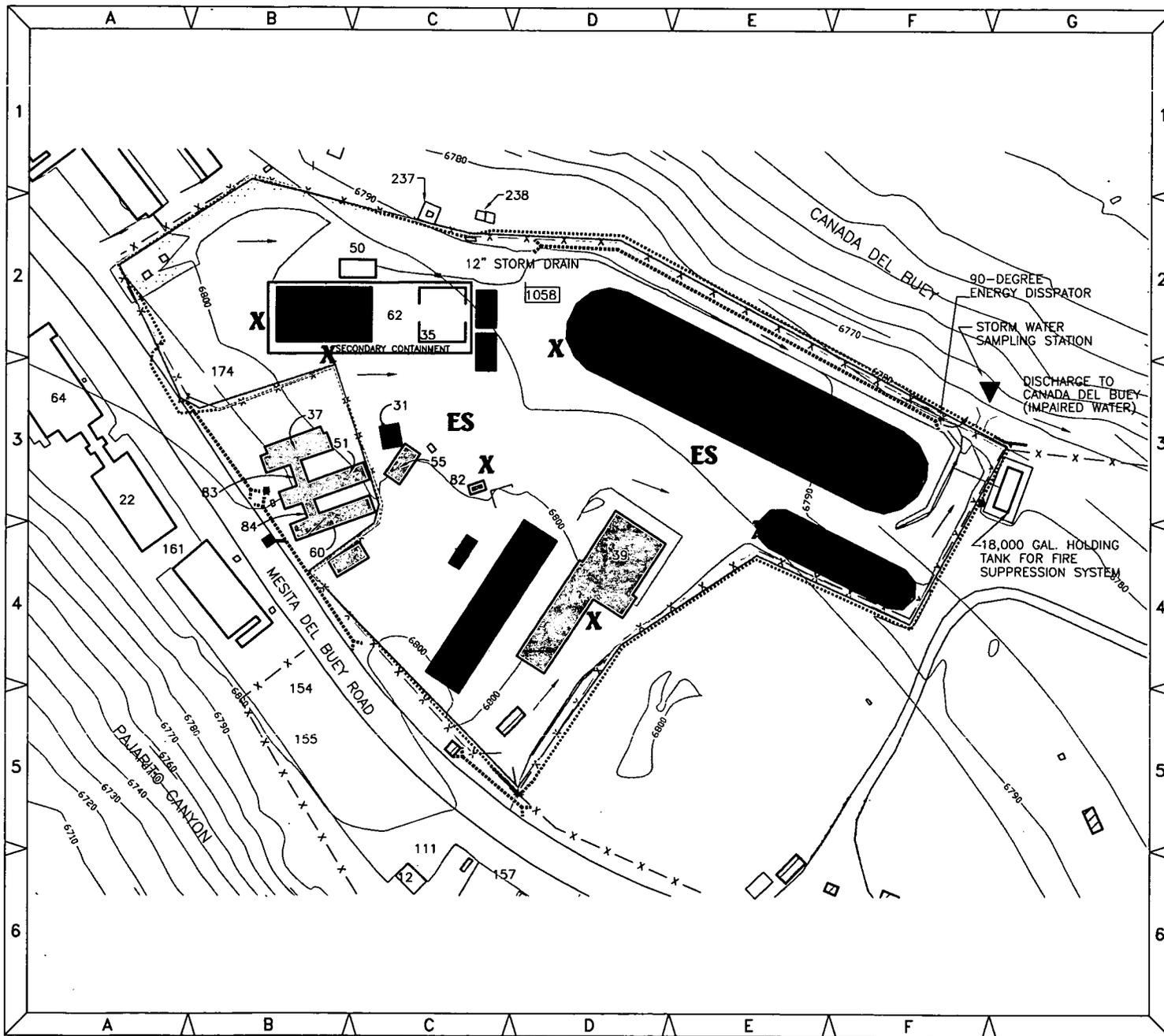
→	DIRECTION OF STORM WATER FLOW
---	DIRT ROAD
=	PAVED ROAD
▨	TSD STRUCTURE
■	CATCH BASIN
●	STORM WATER DISCHARGE POINT
>-----<	CULVERT
-x-x-x-	FENCE
.....	BERM
-----	TSD BOUNDARY
-----	TRENCH DRAIN

POINT DESCRIPTIONS

1. TRANSFORMER 54-47.
2. LOADING/UNLOADING DOCK FOR RANT FACILITY
3. DRUM STORAGE AREA WITHIN THE HIGH BAY AREA OF THE RANT FACILITY.
4. HEPA FILTER SITUATED AT THE RANT FACILITY.
5. EQUIPMENT STORAGE AREA LOCATED ALONG THE EAST FENCE LINE OF THE FACILITY
6. ASPHALT CURBING FORMS A SWALE/DRAINAGE PATH.

NO	DATE	CLASS	REV	DESCRIPTION	DRN	WDR	CHK	SUB	APP

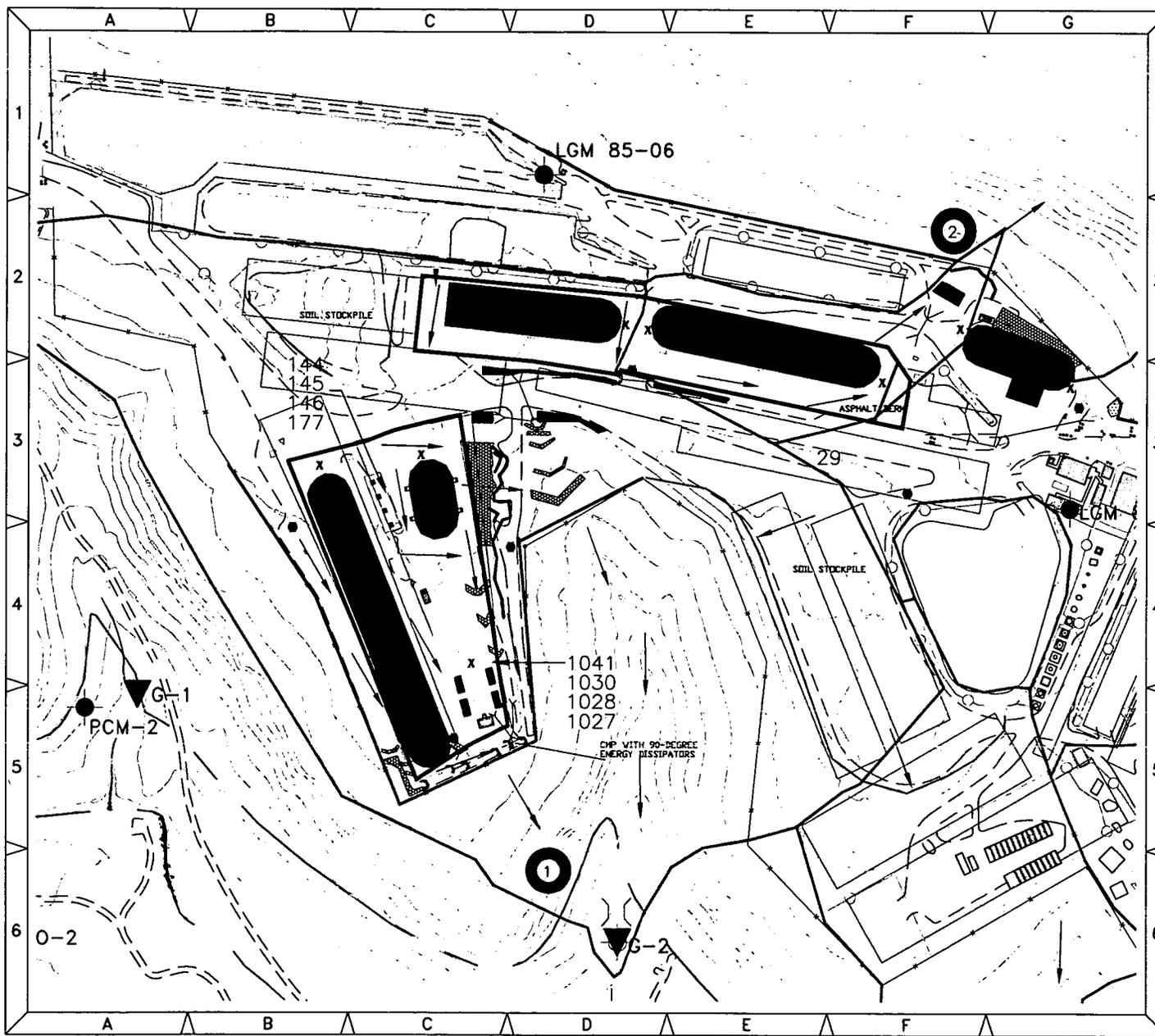
EWMO-FOD		Environmental & Waste Management Facilities Operations	
		TA-54	
BLDG		TA-54	DATE 12-15-06
SUBMITTED	R. Lechel	APPROVED FOR RELEASE	APPROVED S. Henry
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION U	REVIEWER	REVIEWER	DATE
PROJECT ID	DRAWING NO		REV
	SK-54-G-13		0



LEGEND

STRUCTURE ASSOCIATED WITH A CONTAINER STORAGE UNIT		SEDIMENT TRAP	
STRUCTURE NOT ASSOCIATED WITH A CONTAINER STORAGE UNIT		DROP BUILD	
PROPOSED STRUCTURE ASSOCIATED WITH A CONTAINER STORAGE UNIT		ORANGE FLOW ARROW	
PROPOSED ASPHALTIC CONCRETE PAVED ASSOCIATED WITH A CONTAINER STORAGE UNIT		SILT FENCE	
CONTAINER STORAGE UNIT BOUNDARY		SITE DISCHARGE POINT	
ASPHALTIC CONCRETE		BURN	
ORANGE AREA BOUNDARY		CONCRETE PAVED	
SURFACE WATER SAMPLING STATION		INTERMITTENT STREAM	
GRAVEL OR DIRT ROAD		WEIR	
GATE		RP-RIP	
INDUSTRIAL FENCE		ROCK CHECK DAM	
SINGLE-STRAND CHAIN FENCE		ROCK BLANKET	
DOE/TECHNICAL AREA BOUNDARY		TURF REINFORCEMENT MAT	
FIRE HYDRANT		LOADING & UNLOADING	
INACTIVE PIT		ACTIVE PIT	
EYEWASH STATION			

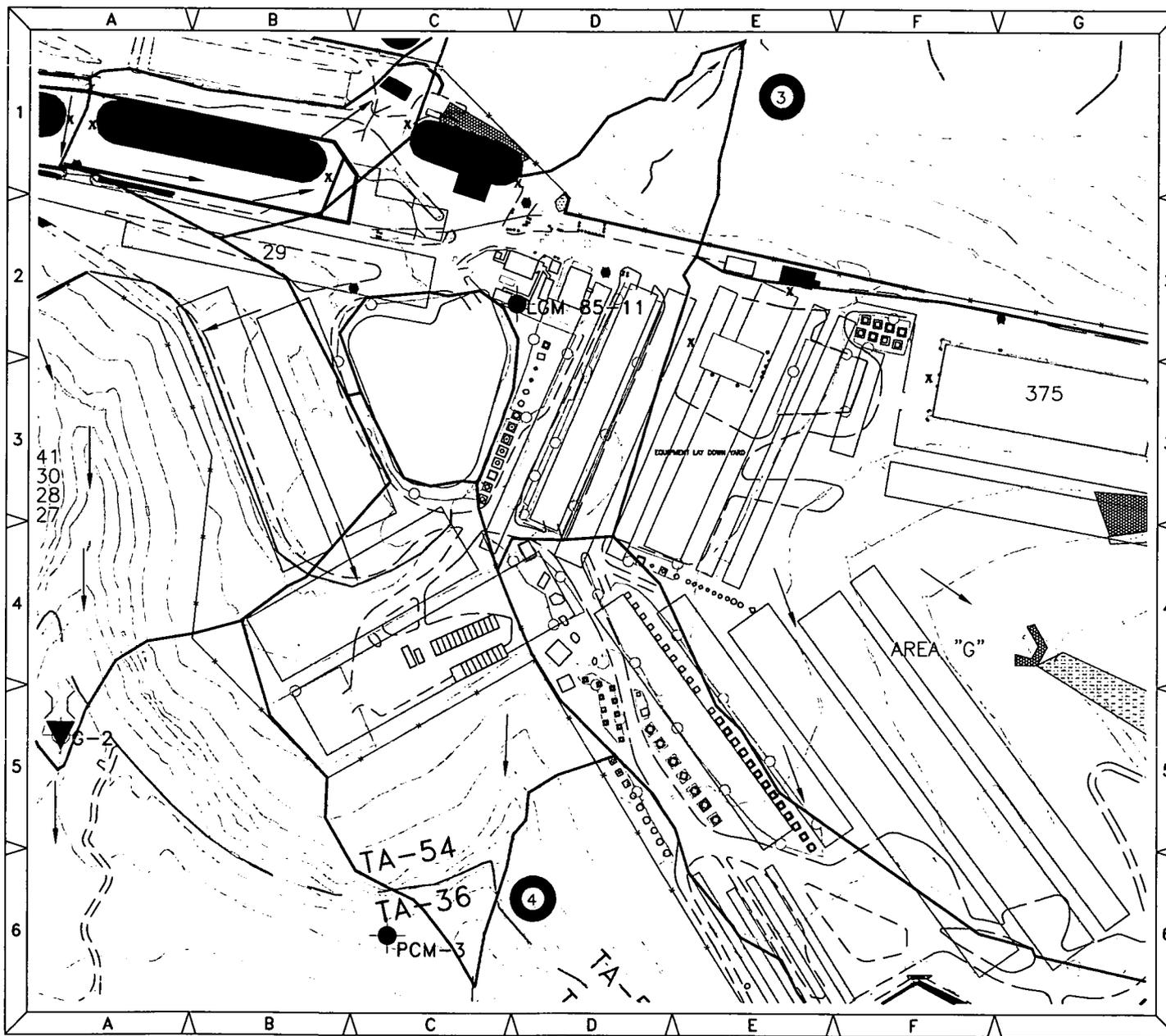
NO	DATE	CLASS	REV	DESCRIPTION	DRN	HYDRO	SUB	APP	
EWNO-FOD Environmental & Waste Management Facilities Operations									
TA-54									
Contour Map Showing Technical Area (TA) 54, Area L					DRAWN	D. Romero			
					VERIFIED	R. Lachel			
					CHECKED				
BLDG TA-54					DATE	12-15-06			
SUBMITTED R. Lachel					APPROVED FOR RELEASE	S. Henry			
APPROVED S. Henry					SHEET	OF			
Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545									
CLASSIFICATION U REVIEWER REVIEWER					DATE				
PROJECT ID					DRAWING NO	SK-54-G-13			
					REV	0			



LEGEND

EXISTING CONCRETE	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
EXISTING ASPHALT	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
EXISTING ASPHALT CONCRETE PAD ASSOCIATED WITH A CONCRETE STORAGE UNIT	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
CONCRETE STORAGE UNIT BOUNDARY	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
ASPHALT CONCRETE	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
DRAINAGE AREA BOUNDARY	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
SURFACE WATER SAMPLING STATION	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
GRAVEL OR GRI ROAD	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
GATE	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
HORIZONTAL FENCE	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
SOCIETY-STRAND CHAIN FENCE	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
SOIL REINFORCEMENT WALL	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
FIRE HYDRANT	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD
ACTIVE PV	CONCRETE PAD	ASPHALT CONCRETE	CONCRETE PAD

NO	DATE	CLASS	DESCRIPTION	DATE	BY	APP
1	12/18/08		CHANGES FOR M00P-2008 UPDATE		DR	
<p>EWMO Environmental & Waste Management Facilities Operations</p> <p>TA-54</p> <p>Technical Area (TA) 54 Area G RCRA-Regulated Waste Management Units Storm Water Pollution Prevention Plan</p> <p>BLDG SUBMITTED: R. Lachel APPROVED FOR RELEASE: S. Henry</p> <p>DATE: 06-17-02</p> <p>Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545</p>						
CLASSIFICATION	REVIEWER	REVIEWER	DATE	SHEET	OF	
PROJECT ID		DRAWING NO				



LEGEND

- | | | |
|--|--|------------------------|
| REINFORCED CONCRETE | | LOADING PAD |
| REINFORCED CONCRETE WITH A CONCRETE FLOORING | | STAIR |
| REINFORCED CONCRETE WITH A CONCRETE FLOORING | | STORAGE FLOW ARROW |
| REINFORCED ASPHALT CONCRETE AND ASPHALT WITH A DRAINAGE SYSTEM | | LE FENCE |
| CONTAINER STORAGE WITH ROOFING | | STEEL SHAWNEE POINT |
| ASPHALTIC CONCRETE | | EDRM |
| GRASSY AREA BOUNDARY | | CONCRETE PAD |
| SURFACE WATER DRAINAGE SYSTEM | | WATERFLOWS STREAM |
| GRAVEL OR DIRT ROAD | | WLR |
| GATE | | RF-ESP |
| NONMETAL FENCE | | ROCK CHECK DAM |
| SMALL STYRING CHECK FENCE | | ROCK BLANKET |
| DIE/TECHNICAL AREA BOUNDARY | | PILE REINFORCEMENT MAT |
| FIRE IMPROVANT | | LOADING & UNLOADING |
| DUCTILE P.I. | | ACTIVE PIT |

1	12/15/00	CHANGES FOR HSDP-2000 UPDATE	DR		
NO	DATE	CLASS REV	DESCRIPTION	DRW	MODIFIED/SUB APP
EWMO-FOD Environmental & Waste Management Facilities Management					
<small>Los Alamos National Laboratory Los Alamos, New Mexico 87545</small>					
Technical Area (TA) 54 Area G RCRA-Regulated Waste Management Units Storm Water Pollution Prevention Plan				DRAWN J. Fuik	CHECKED R. Spencer
BLDG	TA-54		DATE	06-17-02	
SUBMITTED	APPROVED FOR RELEASE R. Lachel		DATE	06-17-02	
Los Alamos			<small>Los Alamos National Laboratory Los Alamos, New Mexico 87545</small>		
CLASSIFICATION	REVIEWER	REVIEWER	DATE	SHEET	OF
PROJECT ID		DRAWING NO			REV

Appendix C

2008 MSGP for Industrial Activities

**United States Environmental Protection Agency (EPA)
National Pollutant Discharge Elimination System (NPDES)**

**MULTI-SECTOR GENERAL PERMIT FOR STORMWATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITY (MSGP)**

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Clean Water Act (CWA), as amended (33 U.S.C. 1251 *et seq.*), operators of stormwater discharges associated with industrial activity located in an area identified in Appendix C where EPA is the permitting authority are authorized to discharge to waters of the United States in accordance with the eligibility and Notice of Intent (NOI) requirements, effluent limitations, inspection requirements, and other conditions set forth in this permit. This permit is structured as follows:

- general requirements that apply to all facilities are found in Parts 1 through 7;
- industry sector-specific requirements are found in Part 8; and
- specific requirements that apply in individual States and Indian Country Lands are found in Part 9.

The Appendices (A through K) contain additional permit conditions that apply to all operators covered under this permit.

This permit becomes effective on September 29, 2008.

This permit and the authorization to discharge expire at midnight, September 29, 2013.

Robert W. Varney, Regional Administrator
EPA Region 1

Timothy C. Henry, Acting Director, Water Division
EPA Region 5

Carl-Axel P. Soderberg, Division Director, Caribbean
Environmental Protection Division
EPA Region 2

Miguel I. Flores, Director, Water Quality Protection
Division
EPA Region 6

Jon M. Capacasa, Director, Water Protection
Division
EPA Region 3

Alexis Strauss, Director, Water Division
EPA Region 9

Michael Gearheard, Director, Office of Water and
Watersheds
EPA Region 10

**NPDES MULTI-SECTOR GENERAL PERMITS FOR STORMWATER
DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY
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1. Coverage under this Permit.

1.1 Eligibility.

1.1.1 Facilities Covered.

To be eligible to discharge under this permit, you must (1) have a stormwater discharge associated with industrial activity from your primary industrial activity, as defined in Appendix A, provided your primary industrial activity is included in Appendix D, or (2) be notified by EPA that you are eligible for coverage under Sector AD of this permit.

1.1.2 Allowable Stormwater Discharges.

Unless otherwise made ineligible under Part 1.1.4, the following discharges are eligible for coverage under this permit:

1.1.2.1 Stormwater discharges associated with industrial activity for any primary industrial activities and co-located industrial activities, as defined in Appendix A;

1.1.2.2 Discharges designated by EPA as needing a stormwater permit as provided in Sector AD;

1.1.2.3 Discharges that are not otherwise required to obtain NPDES permit authorization but are commingled with discharges that are authorized under this permit;

1.1.2.4 Discharges subject to any of the national stormwater-specific effluent limitations guidelines listed in Table 1-1; and

Table 1-1. Stormwater-specific Effluent Limitations Guidelines

Regulated Discharge	40 CFR Section	MSGP Sector	New Source Performance Standard (NSPS)	New Source Date
Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	Part 429, Subpart I	A	Yes	1/26/81
Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	Part 418, Subpart A	C	Yes	4/8/74
Runoff from asphalt emulsion facilities	Part 443, Subpart A	D	Yes	7/28/75
Runoff from material storage piles at cement manufacturing facilities	Part 411, Subpart C	E	Yes	2/20/74

Mine dewatering discharges at crushed stone, construction sand and gravel, or industrial sand mining facilities	Part 436, Subparts B, C, and D	J	No	N/A
Runoff from hazardous waste and non-hazardous waste landfills	Part 445, Subparts A and B	K, L	Yes	2/2/00
Runoff from coal storage piles at steam electric generating facilities	Part 423	O	Yes	11/19/82 (10/8/74) ¹

1.1.2.5 Discharges subject to any New Source Performance Standards (NSPS) identified in Table 1-1 (i.e., where facilities were constructed after the promulgation of that industry's NSPS), provided that you obtain and retain the following EPA documentation with your SWPPP, prior to submitting your NOI, and that you comply with any limits pursuant to Part 2.4:

- Determination of "No Significant Impact" under the National Environmental Policy Act (NEPA); or
- A completed Environmental Impact Statement in accordance with an environmental review conducted by EPA pursuant to 40 CFR 6.102(a)(6)².

1.1.3 Allowable Non-Stormwater Discharges.

The following are the non-stormwater discharges authorized under this permit, provided the non-stormwater component of your discharge is in compliance with Part 2.1.2.10:

- Discharges from fire-fighting activities;
- Fire hydrant flushings;
- Potable water, including water line flushings;
- Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with the approved labeling;
- 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);
- Routine external building washdown that does not use detergents;
- Uncontaminated ground water or spring water;

¹ NSPS promulgated in 1974 were not removed via the 1982 regulation; therefore wastewaters generated by Part 423-applicable sources that were New Sources under the 1974 regulations are subject to the 1974 NSPS.

² Note that if you have previously completed an Environmental Impact Statement or obtained a "No Significant Impact" statement for discharges subject to NSPS, you have met your obligation under this provision and you only need to retain this documentation for your files.

- Foundation or footing drains where flows are not contaminated with process materials; and
- 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).

1.1.4 Limitations on Coverage.

1.1.4.1 Discharges Mixed with Non-Stormwater. Stormwater discharges that are mixed with non-stormwater, other than those non-stormwater discharges listed in Part 1.1.3, are not eligible for coverage under this permit.

1.1.4.2 Stormwater Discharges Associated with Construction Activity. Stormwater discharges associated with construction activity disturbing one acre or more are not eligible for coverage under this permit, unless in conjunction with mining activities or certain oil and gas extraction activities as specified in Sectors G, H, I, and J of this permit.

1.1.4.3 Discharges Currently or Previously Covered by Another Permit. Unless you received written notification from EPA specifically allowing these discharges to be covered under this permit, you are not eligible for coverage under this permit for any of the following:

- Stormwater discharges associated with industrial activity that are currently covered under an individual NPDES permit or an alternative NPDES general permit;
- Discharges covered within five years prior to the effective date of this permit by an individual permit or alternative general permit where that permit established site-specific numeric water quality-based limitations developed for the stormwater component of the discharge; or
- Discharges from facilities where any NPDES permit has been or is in the process of being denied, terminated, or revoked by EPA (this does not apply to the routine reissuance of permits every five years).

1.1.4.4 Stormwater Discharges Subject to Effluent Limitations Guidelines. For discharges subject to stormwater effluent limitation guidelines under 40 CFR, Subchapter N, only those stormwater discharges identified in Table 1-1 are eligible for coverage under this permit.

1.1.4.5 Endangered and Threatened Species and Critical Habitat Protection. Coverage under this permit is available only if your stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities will not adversely affect any species that are federally-listed as endangered or threatened (“listed”) under the Endangered Species Act (ESA) and will not result in the adverse modification or destruction of habitat that is federally-designated as “critical habitat” under the ESA. You must meet one of the criteria below, following the procedures in Appendix E:

Criterion A. No federally-listed threatened or endangered species or their designated critical habitat are likely to occur in the "action area" as defined in Appendix A; or

Criterion B. Consultation between a Federal agency and the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service (together, the "Services") under section 7 of the ESA has been concluded. Consultations can be either formal or informal, and would have occurred only as a result of a separate federal action (e.g., during application for an individual wastewater discharge permit or the issuance of a wetlands dredge and fill permit).

The consultation must have addressed the effects of your facility's stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat, and must have resulted in either:

- i. a biological opinion finding no jeopardy to federally-listed species or destruction/adverse modification of federally-designated critical habitat; or
- ii. written concurrence from the Service(s) with a finding that the facility's stormwater discharges associated with industrial activity, discharge-related activities and allowable non-stormwater discharges are not likely to adversely affect federally-listed species or federally-designated critical habitat; or

Criterion C. Your industrial activities are authorized through the issuance of a permit under section 10 of the ESA, and authorization addresses the effects of the stormwater discharges associated with industrial activity, discharge-related activities, and allowable non-stormwater discharges on federally-listed species and federally-designated critical habitat; or

Criterion D. Coordination between you and the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service has been concluded. The coordination must have addressed the effects of the facility's stormwater discharges associated with industrial activity, discharge-related activities, and allowable non-stormwater discharges on federally-listed threatened or endangered species and federally-designated critical habitat. The result of the coordination must be a written statement from the Service concluding that authorizing your stormwater discharges, discharge-related activities, and allowable non-stormwater discharges is consistent with the determination that the issuance of the MSGP is not likely to adversely affect federally-listed threatened or endangered species and federally-designated critical habitat. Any conditions or prerequisites deemed necessary to achieve consistency with the "not likely to adversely effect" determination become eligibility conditions for MSGP coverage, and permit requirements under Part 2.3; or

Criterion E. Authorizing your stormwater discharges associated with industrial activity, discharge-related activities, and allowable non-stormwater discharges is

consistent with the determination that the issuance of the MSGP is not likely to adversely affect any federally-listed endangered and threatened ("listed") species or designated critical habitat ("critical habitat"). To support your determination that you meet Criterion E, you must provide supporting documentation for your determination.

- i. If you are an existing discharger, you must provide the following information with your completed Notice of Intent (NOI) form: (1) a list of the federally-listed threatened or endangered species or their designated critical habitat that are likely to occur in the "action area"; (2) a list of the pollutant parameters for which you have ever exceeded an applicable benchmark or effluent limitations guideline, or for which your discharge has ever been found to cause or contribute to an exceedance of an applicable water quality standard, or to violate State or Tribal water quality requirements (Part 9); and (3) your rationale supporting your determination that you meet Criterion E, including appropriate measures to be undertaken to avoid or eliminate the likelihood of adverse effects.
- ii. If you are a new discharger, you must provide the following information with your completed NOI form: (1) a list of the federally-listed threatened or endangered species or their designated critical habitat that are likely to occur in the "action area"; (2) a list of the potential pollutants in your discharge; and (3) your rationale supporting your determination that you meet Criterion E, including appropriate measures to be undertaken to avoid or eliminate the likelihood of adverse effects; or

Criterion F. The facility's stormwater discharges associated with industrial activity, discharge-related activities, and allowable non-stormwater discharges were already addressed in another operator's valid certification of eligibility that included these discharges and activities and there is no reason to believe that federally-listed species or federally-designated critical habitat not considered in the prior certification may be present or located in the "action area". To certify eligibility under this criterion there must be no lapse of coverage in the other operator's certification. By certifying eligibility under this criterion, you agree to comply with any measures or controls upon which the other operator's certification was based. You must comply with any applicable terms, conditions, or other requirements developed in the process of meeting the eligibility requirements of the criteria in this section to remain eligible for coverage under this permit. If your certification is based on another operator's certification under Criterion E, that certification is valid only if you have documentation showing that the other operator had certified under Criterion E, and you provide EPA with the supporting information required of existing dischargers in Criterion E (above, under subparagraph (i)) in your NOI form.

1.1.4.6 Historic Properties Preservation. Coverage under this permit is available only if your stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-

related activities meet one of the eligibility criteria below, following the procedures in Appendix F:

- Criterion A. Your stormwater discharges and allowable non-stormwater discharges do not have the potential to have an effect on historic properties and you are not constructing or installing new stormwater control measures on your site that cause subsurface disturbance; or
- Criterion B. Your discharge-related activities (i.e., construction and/or installation of stormwater control measures that involve subsurface disturbance) will not affect historic properties; or
- Criterion C. Your stormwater discharges, allowable non-stormwater discharges, and discharge-related activities have the potential to have an effect on historic properties, and you have consulted with the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other tribal representative regarding measures to mitigate or prevent any adverse effects on historic properties, and you have either (1) obtained and are in compliance with a written agreement that outlines all such measures, or (2) been unable to reach agreement on such measures; or
- Criterion D. You have contacted the State Historic Preservation Officer, Tribal Historic Preservation Officer, or other tribal representative and EPA in writing informing them that you have the potential to have an effect on historic properties and you did not receive a response from the SHPO, THPO, or tribal representative within 30 days of receiving your letter.

If you have been unable to reach agreement with a SHPO, THPO, or other tribal representative regarding appropriate measures to mitigate or prevent adverse effects, EPA may notify you of additional measures you must implement to be eligible for coverage under this permit.

1.1.4.7 New Discharges to Water Quality Impaired Waters. If you are a new discharger you are not eligible for coverage under this permit to discharge to an "impaired water", as defined in Appendix A unless you:

- a. prevent all exposure to stormwater of the pollutant(s) for which the waterbody is impaired, and retain documentation of procedures taken to prevent exposure onsite with your SWPPP; or
- b. document that the pollutant(s) for which the waterbody is impaired is not present at your site, and retain documentation of this finding with your SWPPP; or
- c. in advance of submitting your NOI, provide to the appropriate EPA Regional Office data to support a showing that the discharge is not expected to cause or contribute to an exceedance of a water quality standard, and retain such data

onsite with your SWPPP. To do this, you must provide data and other technical information to the Regional Office sufficient to demonstrate:

- i. For discharges to waters without an EPA approved or established TMDL, that the discharge of the pollutant for which the water is impaired will meet in-stream water quality criteria at the point of discharge to the waterbody; or
- ii. For discharges to waters with an EPA approved or established TMDL, that there are sufficient remaining wasteload allocations in an EPA approved or established TMDL to allow your discharge and that existing dischargers to the waterbody are subject to compliance schedules designed to bring the waterbody into attainment with water quality standards.

You are eligible under Part 1.1.4.7.c if you receive an affirmative determination from the Regional Office that your discharge will not contribute to the existing impairment, in which case you must maintain such determination onsite with your SWPPP, or if the Regional Office fails to respond within 30 days of submission of data to the Regional Office.

1.1.4.8 New Discharges to Waters Designated as Tier 3 for Antidegradation Purposes. If you are a new discharger, you are not eligible for coverage under this permit for discharges to waters designated by a State or Tribe as Tier 3 (outstanding natural resource waters) for antidegradation purposes under 40 CFR 131.13(a)(3) (see list of Tier 3 waters on EPA's website at <http://www.epa.gov/npdes/stormwater/msgp>).

1.2 Permit Compliance.

Any noncompliance with any of the requirements of this permit constitutes a violation of the Clean Water Act. As detailed in Part 3 (Corrective Actions) of this permit, failure to take any required corrective actions constitute an independent, additional violation of this permit and the Clean Water Act. As such, any actions and time periods specified for remedying noncompliance do not absolve parties of the initial underlying noncompliance. However, where corrective action is triggered by an event that does not itself constitute permit noncompliance, such as an exceedance of an applicable benchmark, there is no permit violation provided you take the required corrective action within the relevant deadlines established in Part 3.3.

1.3 Authorization under this Permit.

1.3.1 How to Obtain Authorization.

To obtain authorization under this permit, you must:

- Be located in a State, territory, or Indian Country, or be a Federal Facility identified in Appendix C where EPA is the permitting authority;
- Meet the Part 1.1 eligibility requirements;

- Select, design, install, and implement control measures in accordance with Part 2.1 to meet numeric and non-numeric effluent limits;
- Submit a complete and accurate Notice of Intent (NOI) either using EPA's electronic Notice of Intent (eNOI) system (accessible at www.epa.gov/npdes/eNOI) or using a paper form (included in Appendix G of this permit) and then submitting that paper form to the address listed in Part 7.6.1; and
- Develop a SWPPP according to the requirements in Part 5 of this permit.

EPA will post on the Internet, at www.epa.gov/npdes/noisearch, all NOIs received. Late NOIs will be accepted but authorization to discharge will not be retroactive.

Timeframes for discharge authorization are contained in Table 1-2. Some authorization dates in Table 1-2 are dependent on you posting a copy of your SWPPP on the Internet. Posting requires that (1) your NOI identifies the Uniform Resource Locator (URL) that provides direct access to your SWPPP, (2) you post a complete copy of your SWPPP at that URL, and (3) the SWPPP is available from that URL at least for the period starting the day you submit your NOI until you are authorized to discharge. You are not required to post any confidential business information (CBI) at this URL, but you must clearly identify those portions of the SWPPP that are being withheld from public access as a result of your determination of CBI.

Table 1-2. NOI Submittal Deadlines/Discharge Authorization Dates

Category	NOI Submission Deadline	Discharge Authorization Date ¹
<u>Existing Dischargers</u> – in operation as of October 30, 2005 and authorized for coverage under MSGP 2000.	No later than January 5, 2009.	30 days after EPA posts your NOI. Your authorization under the MSGP 2000 is automatically continued until you have been granted coverage under this permit or an alternative permit, or coverage is otherwise terminated.
<u>New Dischargers or New Sources</u> - have commenced discharging between October 30, 2005 and January 5, 2009.	As soon as possible but no later than January 5, 2009.	30 days after EPA posts your NOI.
<u>New Dischargers or New Sources</u> - commence discharging after January 5, 2009.	A minimum of 60 days prior to commencing discharge, or a minimum of 30 days if your SWPPP is posted on the Internet during this period and the Internet address (i.e., URL) to your SWPPP is provided on the NOI form.	If you post your SWPPP on the Internet, 30 days after EPA posts your NOI. Otherwise, 60 days after EPA posts your NOI.
<u>New Owner/Operator of Existing Discharger</u> - transfer of ownership and/or operation of a facility whose discharge is authorized under this permit	A minimum of 30 days prior to date that the transfer will take place to the new owner/operator.	30 days after EPA posts your NOI.
<u>Other Eligible Dischargers</u> - in operation prior to October 30, 2005, but not covered under the MSGP 2000 or another NPDES permit.	Immediately, to minimize the time discharges from the facility will continue to be unauthorized.	If you post your SWPPP on the Internet, 30 days after EPA posts your NOI. Otherwise, 60 days after EPA posts your NOI.

¹Based on a review of your NOI or other information, EPA may delay your authorization for further review, notify you that additional effluent limitations are necessary, or may deny coverage under this permit and require submission of an application for an individual NPDES permit, as detailed in Part 1.6. In these instances, EPA will notify you in writing of the delay, of the need for additional effluent limits, or of the request for submission of an individual NPDES permit application.

1.3.2 Continuation of this Permit.

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with 40 CFR 122.6 and remain in force and effect. If

you were authorized to discharge under this permit prior to the expiration date, any discharges authorized under this permit will automatically remain covered by this permit until the earliest of:

- Your authorization for coverage under a reissued permit or a replacement of this permit following your timely and appropriate submittal of a complete NOI requesting authorization to discharge under the new permit and compliance with the requirements of the new permit; or
- Your submittal of a Notice of Termination; or
- Issuance or denial of an individual permit for the facility's discharges; or
- A formal permit decision by EPA not to reissue this general permit, at which time EPA will identify a reasonable time period for covered dischargers to seek coverage under an alternative general permit or an individual permit. Coverage under this permit will cease at the end of this time period.

1.4 Terminating Coverage.

1.4.1 Submitting a Notice of Termination.

To terminate permit coverage, you must submit a complete and accurate Notice of Termination either electronically (strongly encouraged) at www.epa.gov/npdes/eNOI or using the paper Notice of Termination form included in Appendix H of this permit, to the address listed in Part 7.6.1. Your authorization to discharge under this permit terminates at midnight of the day that a complete Notice of Termination is processed and posted on EPA's website (www.epa.gov/npdes/noisearch). If you submit a Notice of Termination without meeting one or more of the conditions identified in Part 1.4.2, then your Notice of Termination is not valid. You are responsible for meeting the terms of this permit until your authorization is terminated.

1.4.2 When to Submit a Notice of Termination.

You must submit a Notice of Termination within 30 days after one or more of the following conditions have been met:

- A new owner or operator has taken over responsibility for the facility; or
- You have ceased operations at the facility, there are not or no longer will be discharges of stormwater associated with industrial activity from the facility, and you have already implemented necessary sediment and erosion controls as required by Part 2.1.2.5;
- You are a Sector G, H, or J facility and you have met the applicable termination requirements; or
- You have obtained coverage under an individual or alternative general permit for all discharges required to be covered by an NPDES permit, unless EPA has required that you obtain such coverage under authority of Part 1.6.1, in which case coverage under this permit will terminate automatically.

1.5 Conditional Exclusion for No Exposure.

If you are covered by this permit, and become eligible for a no exposure exclusion from permitting under 40 CFR 122.26(g), you may file a No Exposure Certification. You are no longer required to have a permit upon submission of a complete and accurate no exposure certification to EPA. If you are no longer required to have permit coverage because of a no exposure exclusion and have submitted a No Exposure Certification form to EPA, you are not required to submit a Notice of Termination. You must submit a No Exposure Certification to EPA once every five years. File your No Exposure Certification using the eNOI system at www.epa.gov/npdes/eNOI.

1.6 Alternative Permits.

1.6.1 EPA Requiring Coverage under an Alternative Permit.

EPA may require you to apply for and/or obtain authorization to discharge under either an individual NPDES permit or an alternative NPDES general permit in accordance with 40 CFR 122.64 and 124.5. Any interested person may petition EPA to take action under this paragraph. If EPA requires you to apply for an individual NPDES permit, EPA will notify you in writing that a permit application is required. This notification will include a brief statement of the reasons for this decision and will provide application information. In addition, if you are an existing discharger authorized to discharge under this permit, the notice will set a deadline to file the permit application, and will include a statement that on the effective date of the individual NPDES permit, or the alternative general permit as it applies to you, coverage under this general permit will terminate. EPA may grant additional time to submit the application if you request it. If you are covered under this permit and fail to submit an individual NPDES permit application as required by EPA, then the applicability of this permit to you is terminated at the end of the day specified by EPA as the deadline for application submittal. EPA may take appropriate enforcement action for any unpermitted discharge.

1.6.2 Permittee Requesting Coverage under an Alternative Permit.

You may request to be excluded from coverage under this general permit by applying for an individual permit. In such a case, you must submit an individual permit application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to EPA at the applicable EPA Regional Office listed in Part 7.6.2 of this permit. The request may be granted by issuance of an individual permit or authorization of coverage under an alternative general permit if your reasons are adequate to support the request.

When an individual NPDES permit is issued to you or you are authorized to discharge under an alternative NPDES general permit, your authorization to discharge under this permit is terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit.

1.7 Severability.

Invalidation of a portion of this permit does not necessarily render the whole permit invalid. EPA's intent is that the permit is to remain in effect to the extent possible; in the event that any part of this permit is invalidated, EPA will advise the regulated community as to the effect of such invalidation.

2. Control Measures and Effluent Limits.

In the technology-based limits included in Part 2.1 and in Part 8, the term "minimize" means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practice.

2.1 Control Measures.

You must select, design, install, and implement control measures (including best management practices) to address the selection and design considerations in Part 2.1.1, meet the non-numeric effluent limits in Part 2.1.2, and meet limits contained in applicable effluent limitations guidelines in Part 2.1.3. The selection, design, installation, and implementation of these control measures must be in accordance with good engineering practices and manufacturer's specifications. Note that you may deviate from such manufacturer's specifications where you provide justification for such deviation and include documentation of your rationale in the part of your SWPPP that describes your control measures, consistent with Part 5.1.4. If you find that your control measures are not achieving their intended effect of minimizing pollutant discharges, you must modify these control measures as expeditiously as practicable. Regulated stormwater discharges from your facility include stormwater run-on that commingles with stormwater discharges associated with industrial activity at your facility.

2.1.1 Control Measure Selection and Design Considerations

You must consider the following when selecting and designing control measures:

- preventing stormwater from coming into contact with polluting materials is generally more effective, and less costly, than trying to remove pollutants from stormwater;
- using control measures in combination is more effective than using control measures in isolation for minimizing pollutants in your stormwater discharge;
- assessing the type and quantity of pollutants, including their potential to impact receiving water quality, is critical to designing effective control measures that will achieve the limits in this permit;
- minimizing impervious areas at your facility and infiltrating runoff onsite (including bioretention cells, green roofs, and pervious pavement, among other approaches) can reduce runoff and improve groundwater recharge and stream base flows in local streams, although care must be taken to avoid ground water contamination;

- attenuating flow using open vegetated swales and natural depressions can reduce in-stream impacts of erosive flows;
- conserving and/or restoring of riparian buffers will help protect streams from stormwater runoff and improve water quality; and
- using treatment interceptors (e.g., swirl separators and sand filters) may be appropriate in some instances to minimize the discharge of pollutants.

2.1.2 Non-Numeric Technology-Based Effluent Limits (BPT/BAT/BCT).

2.1.2.1 Minimize Exposure. You must minimize the exposure of manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) to rain, snow, snowmelt, and runoff by either locating these industrial materials and activities inside or protecting them with storm resistant coverings (although significant enlargement of impervious surface area is not recommended). In minimizing exposure, you should pay particular attention to the following:

- use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;
- locate materials, equipment, and activities so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas);
- clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants;
- use drip pans and absorbents under or around leaky vehicles and equipment or store indoors where feasible;
- use spill/overflow protection equipment;
- drain fluids from equipment and vehicles prior to on-site storage or disposal;
- perform all cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray; and
- ensure that all washwater drains to a proper collection system (i.e., not the stormwater drainage system).

The discharge of vehicle and equipment washwater, including tank cleaning operations, is not authorized by this permit. These wastewaters must be covered under a separate NPDES permit, discharged to a sanitary sewer in accordance with applicable industrial pretreatment requirements, or disposed of otherwise in accordance with applicable law.

Note: Industrial materials do not need to be enclosed or covered if stormwater runoff from affected areas will not be discharged to receiving waters or if discharges are authorized under another NPDES permit.

2.1.2.2 Good Housekeeping. You must keep clean all exposed areas that are potential sources of pollutants, using such measures as sweeping at regular intervals, keeping materials orderly and labeled, and storing materials in appropriate containers.

2.1.2.3 Maintenance. You must regularly inspect, test, maintain, and repair all industrial equipment and systems to avoid situations that may result in leaks, spills, and other releases of pollutants in stormwater discharged to receiving waters. You must maintain all control measures that are used to achieve the effluent limits required by this permit in effective operating condition. Nonstructural control measures must also be diligently maintained (e.g., spill response supplies available, personnel appropriately trained). If you find that your control measures need to be replaced or repaired, you must make the necessary repairs or modifications as expeditiously as practicable.

2.1.2.4 Spill Prevention and Response Procedures. You must minimize the potential for leaks, spills and other releases that may be exposed to stormwater and develop plans for effective response to such spills if or when they occur. At a minimum, you must implement:

- Procedures for plainly labeling containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides," etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
- Preventative measures such as barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;
- Procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases. Employees who may cause, detect, or respond to a spill or leak must be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals should be a member of your stormwater pollution prevention team (see Part 5.1.1); and
- Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, occurs during a 24-hour period, you must notify the National Response Center (NRC) at (800) 424-8802 or, in the Washington, DC, metropolitan area, call (202) 267-2675 in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 as soon as you have knowledge of the discharge. State or local requirements may necessitate reporting spills or discharges to local emergency response, public health, or drinking water supply agencies. Contact information must be in locations that are readily accessible and available.

2.1.2.5 Erosion and Sediment Controls. You must stabilize exposed areas and contain runoff using structural and/or non-structural control measures to minimize onsite erosion and sedimentation, and the resulting discharge of pollutants. Among other actions you must take to meet this limit, you must place flow velocity dissipation devices at discharge locations and within outfall channels where necessary to reduce erosion and/or settle out pollutants. In selecting, designing, installing, and implementing appropriate control measures, you are encouraged to consult with EPA's internet-based resources relating to BMPs for erosion and sedimentation, including the sector-specific *Industrial Stormwater*

Fact Sheet Series, (www.epa.gov/npdes/stormwater/msgp), *National Menu of Stormwater BMPs* (www.epa.gov/npdes/stormwater/menuofbmps), and *National Management Measures to Control Nonpoint Source Pollution from Urban Areas* (www.epa.gov/owow/nps/urbanmm/index.html), and any similar State or Tribal publications.

- 2.1.2.6 Management of Runoff.** You must divert, infiltrate, reuse, contain, or otherwise reduce stormwater runoff, to minimize pollutants in your discharges. In selecting, designing, installing, and implementing appropriate control measures, you are encouraged to consult with EPA's internet-based resources relating to runoff management, including the sector-specific *Industrial Stormwater Fact Sheet Series*, (www.epa.gov/npdes/stormwater/msgp), *National Menu of Stormwater BMPs* (www.epa.gov/npdes/stormwater/menuofbmps), and *National Management Measures to Control Nonpoint Source Pollution from Urban Areas* (www.epa.gov/owow/nps/urbanmm/index.html), and any similar State or Tribal publications.
- 2.1.2.7 Salt Storage Piles or Piles Containing Salt.** You must enclose or cover storage piles of salt, or piles containing salt, used for deicing or other commercial or industrial purposes, including maintenance of paved surfaces. You must implement appropriate measures (e.g., good housekeeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile. Piles do not need to be enclosed or covered if stormwater runoff from the piles is not discharged or if discharges from the piles are authorized under another NPDES permit.
- 2.1.2.8 Sector Specific Non-Numeric Effluent Limits.** You must achieve any additional non-numeric limits stipulated in the relevant sector-specific section(s) of Part 8.
- 2.1.2.9 Employee Training.** You must train all employees who work in areas where industrial materials or activities are exposed to stormwater, or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel), including all members of your Pollution Prevention Team. Training must cover both the specific control measures used to achieve the effluent limits in this Part, and monitoring, inspection, planning, reporting, and documentation requirements in other parts of this permit. EPA recommends training be conducted at least annually (or more often if employee turnover is high).
- 2.1.2.10 Non-Stormwater Discharges.** You must eliminate non-stormwater discharges not authorized by an NPDES permit. See Part 1.2.3 for a list of non-stormwater discharges authorized by this permit.
- 2.1.2.11 Waste, Garbage and Floatable Debris.** You must ensure that waste, garbage, and floatable debris are not discharged to receiving waters by keeping exposed areas free of such materials or by intercepting them before they are discharged.

2.1.2.12 Dust Generation and Vehicle Tracking of Industrial Materials. You must minimize generation of dust and off-site tracking of raw, final, or waste materials.

2.1.3 Numeric Effluent Limitations Based on Effluent Limitations Guidelines

If you are in an industrial category subject to one of the effluent limitations guidelines identified in Table 6-1 (see Part 6.2.2.1), you must meet the effluent limits referenced in Table 2-1 below:

Regulated Activity	40 CFR Part/Subpart	Effluent Limit
Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	Part 429, Subpart I	See Part 8.A.7
Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	Part 418, Subpart A	See Part 8.C.4
Runoff from asphalt emulsion facilities	Part 443, Subpart A	See Part 8.D.4
Runoff from material storage piles at cement manufacturing facilities	Part 411, Subpart C	See Part 8.E.5
Mine dewatering discharges at crushed stone, construction sand and gravel, or industrial sand mining facilities	Part 436, Subparts B, C, or D	See Part 8.J.9
Runoff from hazardous waste landfills	Part 445, Subpart A	See Part 8.K.6
Runoff from non-hazardous waste landfills	Part 445, Subpart B	See Part 8.L.10
Runoff from coal storage piles at steam electric generating facilities	Part 423	See Part 8.O.8

2.2 Water Quality-Based Effluent Limitations.

2.2.1 Water Quality Standards

Your discharge must be controlled as necessary to meet applicable water quality standards.

EPA expects that compliance with the other conditions in this permit will control discharges as necessary to meet applicable water quality standards. If at any time you become aware, or EPA determines, that your discharge causes or contributes to an exceedance of applicable water quality standards, you must take corrective action as required in Part 3.1, document the corrective actions as required in Parts 3.4 and 5.4, and report the corrective actions to EPA as required in Part 7.2.

Additionally, EPA may impose additional water quality-based limitations on a site-specific basis, or require you to obtain coverage under an individual permit, if information in your NOI, required reports, or from other sources indicates that your discharges are not controlled as necessary to meet applicable water quality standards.

2.2.2 Discharges to Water Quality Impaired Waters.

2.2.2.1 Existing Discharge to an Impaired Water with an EPA Approved or Established TMDL. If you discharge to an impaired water with an EPA approved or established TMDL, EPA will inform you if any additional limits or controls are necessary for your discharge to be consistent with the assumptions of any available wasteload allocation in the TMDL, or if coverage under an individual permit is necessary in accordance with Part 1.6.1.

2.2.2.2 Existing Discharge to an Impaired Water without an EPA Approved or Established TMDL. If you discharge to an impaired water without an EPA approved or established TMDL, you are required to comply with Part 2.2.1 and the monitoring requirement of Part 6.2.4. Note that this provision also applies to situations where EPA determines that your discharge is not controlled as necessary to meet water quality standards in a downstream water segment, even if your discharge is to a receiving water that is not specifically identified on a Section 303(d) list.

2.2.2.3 New Discharge to an Impaired Water. If your authorization to discharge under this permit relied on Part 1.1.4.7 for a new discharge to an impaired water, you must implement and maintain any control measures or conditions on your site that enabled you to become eligible under Part 1.1.4.7, and modify such measures or conditions as necessary pursuant to any Part 3 corrective actions. You are also required to comply with Part 2.2.1 and the monitoring requirements of Parts 6.2.4.

2.2.3 Tier 2 Antidegradation Requirements for New or Increased Dischargers

If you are a new discharger, or an existing discharger required to notify EPA of an increased discharge consistent with Part 7.4 (i.e., a “planned changes” report), and you discharge directly to waters designated by a State or Tribe as Tier 2 or Tier 2.5 for antidegradation purposes under 40 CFR 131.12(a) (see list of Tier 2 and 2.5 waters on EPA’s website at <http://www.epa.gov/npdes/stormwater/msgp>), EPA may notify you that additional analyses, control measures, or other permit conditions are necessary to comply with the applicable antidegradation requirements, or notify you that an individual permit application is necessary in accordance with Part 1.6.1.

2.3 Requirements Relating to Endangered Species and Historic Properties

If your eligibility under either Part 1.1.4.5 or Part 1.1.4.6 was made possible through your, or another operator’s, agreement to include certain measures or prerequisite actions, or implement certain terms and conditions, you must comply with all such agreed-upon requirements to maintain eligibility under the MSGP.

2.4 Requirements Relating to the National Environmental Policy Act (NEPA) Review

If your eligibility under Part 1.1.2.5 was made possible through your agreement to implement any mitigation measures as a result of the NEPA review process, you must comply with all such agreed-upon measures to maintain eligibility under the MSGP.

3. Corrective Actions

3.1 Conditions Requiring Review and Revision to Eliminate Problem

If any of the following conditions occur, you must review and revise the selection, design, installation, and implementation of your control measures to ensure that the condition is eliminated and will not be repeated in the future:

- an unauthorized release or discharge (e.g., spill, leak, or discharge of non-stormwater not authorized by this or another NPDES permit) occurs at your facility;
- a discharge violates a numeric effluent limit;
- you become aware, or EPA determines, that your control measures are not stringent enough for the discharge to meet applicable water quality standards;
- an inspection or evaluation of your facility by an EPA official, or local, State, or Tribal entity, determines that modifications to the control measures are necessary to meet the non-numeric effluent limits in this permit; or
- you find in your routine facility inspection, quarterly visual assessment, or comprehensive site inspection that your control measures are not being properly operated and maintained.

3.2 Conditions Requiring Review to Determine if Modifications Are Necessary

If any of the following conditions occur, you must review the selection, design, installation, and implementation of your control measures to determine if modifications are necessary to meet the effluent limits in this permit:

- construction or a change in design, operation, or maintenance at your facility significantly changes the nature of pollutants discharged in stormwater from your facility, or significantly increases the quantity of pollutants discharged; or
- the average of 4 quarterly sampling results exceeds an applicable benchmark. If less than 4 benchmark samples have been taken, but the results are such that an exceedence of the 4 quarter average is mathematically certain (i.e., if the sum of quarterly sample results to date is more than 4 times the benchmark level) this is considered a benchmark exceedence, triggering this review.

3.3 Corrective Action Deadlines

You must document your discovery of any of the conditions listed in Parts 3.1 and 3.2 within 24 hours of making such discovery. Subsequently, within 14 days of such discovery, you

must document any corrective action(s) to be taken to eliminate or further investigate the deficiency, or if no corrective action is needed, the basis for that determination. Specific documentation required within 24 hours and 14 days is detailed in Part 3.4. If you determine that changes are necessary following your review, any modifications to your control measures must be made before the next storm event if possible, or as soon as practicable following that storm event. These time intervals are not grace periods, but are schedules considered reasonable for documenting your findings and for making repairs and improvements. They are included in this permit to ensure that the conditions prompting the need for these repairs and improvements are not allowed to persist indefinitely.

3.4 Corrective Action Report

Within 24 hours of discovery of any condition listed in Parts 3.1 and 3.2, you must document the following information (i.e., questions 3-5 of the Corrective Actions section in the Annual Reporting Form, provided in Appendix I):

- Identification of the condition triggering the need for corrective action review;
- Description of the problem identified; and
- Date the problem was identified.

Within 14 days of discovery of any condition listed in Parts 3.1 and 3.2, you must document the following information (i.e., questions 7-11 of the Corrective Actions section in the Annual Reporting Form, provided in Appendix I):

- Summary of corrective action taken or to be taken (or, for triggering events identified in Part 3.2 where you determine that corrective action is not necessary, the basis for this determination);
- Notice of whether SWPPP modifications are required as a result of this discovery or corrective action;
- Date corrective action initiated; and
- Date corrective action completed or expected to be completed.

You must submit this documentation in an annual report as required in Part 7.2 and retain a copy onsite with your SWPPP as required in Part 5.4.

3.5 Effect of Corrective Action

If the event triggering the review is a permit violation (e.g., non-compliance with an effluent limit), correcting it does not remove the original violation. Additionally, failing to take corrective action in accordance with this section is an additional permit violation. EPA will consider the appropriateness and promptness of corrective action in determining enforcement responses to permit violations.

3.6 Substantially Identical Outfalls

If the event triggering corrective action is linked to an outfall that represents other substantially identical outfalls, your review must assess the need for corrective action for each outfall represented by the outfall that triggered the review. Any necessary changes to control measures that affect these other outfalls must also be made before the next storm event if possible, or as soon as practicable following that storm event.

4. Inspections

You must conduct the inspections in Parts 4.1, 4.2, and 4.3 at your facility.

4.1 Routine Facility Inspections.

4.1.1 Routine Facility Inspection Procedures.

Conduct routine facility inspections of all areas of the facility where industrial materials or activities are exposed to stormwater, and of all stormwater control measures used to comply with the effluent limits contained in this permit. Routine facility inspections must be conducted at least quarterly (i.e., once each calendar quarter) although in many instances, more frequent inspection (e.g., monthly) may be appropriate for some types of equipment, processes, and control measures or areas of the facility with significant activities and materials exposed to stormwater. Perform these inspections during periods when the facility is in operation. You must specify the relevant inspection schedules in your SWPPP document as required in Part 5.1.5. These routine inspections must be performed by qualified personnel (for definition see Appendix A) with at least one member of your stormwater pollution prevention team participating. At least once each calendar year, the routine facility inspection must be conducted during a period when a stormwater discharge is occurring.

4.1.2 Routine Facility Inspection Documentation.

You must document the findings of each routine facility inspection performed and maintain this documentation onsite with your SWPPP as required in Part 5.4. You are not required to submit your routine facility inspection findings to EPA, unless specifically requested to do so. At a minimum, your documentation of each routine facility inspection must include:

- The inspection date and time;
- The name(s) and signature(s) of the inspector(s);
- Weather information and a description of any discharges occurring at the time of the inspection;
- Any previously unidentified discharges of pollutants from the site;
- Any control measures needing maintenance or repairs;
- Any failed control measures that need replacement;
- Any incidents of noncompliance observed; and
- Any additional control measures needed to comply with the permit requirements.

Any corrective action required as a result of a routine facility inspection must be performed consistent with Part 3 of this permit.

4.1.3 Exceptions to Routine Facility Inspections.

Inactive and Unstaffed Sites: The requirement to conduct routine facility inspections on a quarterly basis does not apply at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to stormwater. Such a facility is only required to conduct an annual comprehensive site inspection in accordance with the requirements of Part 4.3. To invoke this exception, you must maintain a statement in your SWPPP pursuant to Part 5.1.5.2 indicating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to precipitation, in accordance with the substantive requirements in 40 CFR 122.26(g)(4)(iii). The statement must be signed and certified in accordance with Appendix B, Subsection 11. If circumstances change and industrial materials or activities become exposed to stormwater or your facility becomes active and/or staffed, this exception no longer applies and you must immediately resume quarterly facility inspections. If you are not qualified for this exception at the time you are authorized under this permit, but during the permit term you become qualified because your facility is inactive and unstaffed, and there are no industrial materials or activities that are exposed to stormwater, then you must include the same signed and certified statement as above and retain it with your records pursuant to Part 5.4.

Inactive and unstaffed facilities covered under Sectors G (Metal Mining), H (Coal Mines and Coal Mining-Related Facilities), and J (Non-Metallic Mineral Mining and Dressing), are not required to meet the “no industrial materials or activities exposed to stormwater” standard to be eligible for this exception from routine inspections, consistent with the requirements established in Parts 8.G.8.4, 8.H.8.1, and 8.J.8.1.

4.2 Quarterly Visual Assessment of Stormwater Discharges.

4.2.1 Quarterly Visual Assessment Procedures.

Once each quarter for the entire permit term, you must collect a stormwater sample from each outfall (except as noted in Part 4.2.3) and conduct a visual assessment of each of these samples. These samples are not required to be collected consistent with 40 CFR Part 136 procedures but should be collected in such a manner that the samples are representative of the stormwater discharge.

The visual assessment must be made:

- Of a sample in a clean, clear glass, or plastic container, and examined in a well-lit area;
- On samples collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as practicable after the first 30

minutes and you must document why it was not possible to take samples within the first 30 minutes. In the case of snowmelt, samples must be taken during a period with a measurable discharge from your site; and

- For storm events, on discharges that occur at least 72 hours (3 days) from the previous discharge. The 72-hour (3-day) storm interval does not apply if you document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period.

You must visually inspect the sample for the following water quality characteristics:

- Color;
- Odor;
- Clarity;
- Floating solids;
- Settled solids;
- Suspended solids;
- Foam;
- Oil sheen; and
- Other obvious indicators of stormwater pollution.

4.2.2 Quarterly Visual Assessment Documentation.

You must document the results of your visual assessments and maintain this documentation onsite with your SWPPP as required in Part 5.4. You are not required to submit your visual assessment findings to EPA, unless specifically requested to do so. At a minimum, your documentation of the visual assessment must include:

- Sample location(s)
- Sample collection date and time, and visual assessment date and time for each sample;
- Personnel collecting the sample and performing visual assessment, and their signatures;
- Nature of the discharge (i.e., runoff or snowmelt);
- Results of observations of the stormwater discharge;
- Probable sources of any observed stormwater contamination,
- If applicable, why it was not possible to take samples within the first 30 minutes.

Any corrective action required as a result of a quarterly visual assessment must be performed consistent with Part 3 of this permit.

4.2.3 Exceptions to Quarterly Visual Assessments.

Adverse Weather Conditions: When adverse weather conditions prevent the collection of samples during the quarter, you must take a substitute sample during the next qualifying storm event. Documentation of the rationale for no visual assessment for the quarter must be included with your SWPPP records as described in Part 5.4. Adverse conditions are

those that are dangerous or create inaccessibility for personnel, such as local flooding, high winds, or electrical storms, or situations that otherwise make sampling impractical, such as drought or extended frozen conditions.

Climates with Irregular Stormwater Runoff: If your facility is located in an area where limited rainfall occurs during many parts of the year (e.g., arid or semi-arid climate) or in an area where freezing conditions exist that prevent runoff from occurring for extended periods, then your samples for the quarterly visual assessments may be distributed during seasons when precipitation runoff occurs.

Areas Subject to Snow: In areas subject to snow, at least one quarterly visual assessment must capture snowmelt discharge, as described in Part 6.1.3, taking into account the exception described above for climates with irregular stormwater runoff.

Inactive and unstaffed sites: The requirement for a quarterly visual assessment does not apply at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to stormwater. To invoke this exception, you must maintain a statement in your SWPPP as required in Part 5.1.5.2 indicating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to precipitation, in accordance with the substantive requirements in 40 CFR 122.26(g)(4)(iii). The statement must be signed and certified in accordance with Appendix B, Subsection 11. If circumstances change and industrial materials or activities become exposed to stormwater or your facility becomes active and/or staffed, this exception no longer applies and you must immediately resume quarterly visual assessments. If you are not qualified for this exception at the time you are authorized under this permit, but during the permit term you become qualified because your facility is inactive and unstaffed, and there are no industrial materials or activities that are exposed to stormwater, then you must include the same signed and certified statement as above and retain it with your records pursuant to Part 5.4.

Inactive and unstaffed facilities covered under Sectors G (Metal Mining), H (Coal Mines and Coal Mining-Related Facilities), and J (Non-Metallic Mineral Mining and Dressing), are not required to meet the "no industrial materials or activities exposed to stormwater" standard to be eligible for this exception from quarterly visual assessment, consistent with the requirements established in Parts 8.G.8.4, 8.H.8.1, and 8.J.8.1.

Substantially identical outfalls: If your facility has two or more outfalls that you believe discharge substantially identical effluents, as documented in Part 5.1.5.2, you may conduct quarterly visual assessments of the discharge at just one of the outfalls and report that the results also apply to the substantially identical outfall(s) provided that you perform visual assessments on a rotating basis of each substantially identical outfall throughout the period of your coverage under this permit.

If stormwater contamination is identified through visual assessment performed at a substantially identical outfall, you must assess and modify your control measures as appropriate for each outfall represented by the monitored outfall.

4.3 Comprehensive Site Inspections.

4.3.1 Comprehensive Site Inspection Procedures.

You must conduct annual comprehensive site inspections while you are covered under this permit. Annual, as defined in this Part, means once during each of the following inspection periods beginning with the period you are authorized to discharge under this permit:

Year 1:	September 29, 2008 – September 29, 2009
Year 2:	September 29, 2009 – September 29, 2010
Year 3:	September 29, 2010 – September 29, 2011
Year 4:	September 29, 2011 – September 29, 2012
Year 5:	September 29, 2012 – September 29, 2013

You are waived from having to perform a comprehensive site inspection for an inspection period, as defined above, if you obtain authorization to discharge less than three months before the end of that inspection period.

Should your coverage be administratively continued after the expiration date of this permit, you must continue to perform these inspections annually until you are no longer covered.

Comprehensive site inspections must be conducted by qualified personnel with at least one member of your stormwater pollution prevention team participating in the comprehensive site inspections.

Your comprehensive site inspections must cover all areas of the facility affected by the requirements in this permit, including the areas identified in the SWPPP as potential pollutant sources (see Part 5.1.3) where industrial materials or activities are exposed to stormwater, any areas where control measures are used to comply with the effluent limits in Part 2, and areas where spills and leaks have occurred in the past 3 years. The inspections must also include a review of monitoring data collected in accordance with Part 6.2. Inspectors must consider the results of the past year's visual and analytical monitoring when planning and conducting inspections. Inspectors must examine the following:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;
- Leaks or spills from industrial equipment, drums, tanks, and other containers;
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas; and
- Control measures needing replacement, maintenance, or repair.

Stormwater control measures required by this permit must be observed to ensure that they are functioning correctly. If discharge locations are inaccessible, nearby downstream locations must be inspected.

Your annual comprehensive site inspection may also be used as one of the routine inspections, as long as all components of both types of inspections are included.

4.3.2 Comprehensive Site Inspection Documentation.

You must document the findings of each comprehensive site inspection and maintain this documentation onsite with your SWPPP as required in Part 5.4. In addition, you must submit this documentation in an annual report as required in Part 7.2. At a minimum, your documentation of the comprehensive site inspection must include (see the Annual Reporting Form included as Appendix I):

- The date of the inspection;
- The name(s) and title(s) of the personnel making the inspection;
- Findings from the examination of areas of your facility identified in Part 4.3.1;
- All observations relating to the implementation of your control measures including:
 - previously unidentified discharges from the site,
 - previously unidentified pollutants in existing discharges,
 - evidence of, or the potential for, pollutants entering the drainage system;
 - evidence of pollutants discharging to receiving waters at all facility outfall(s), and the condition of and around the outfall, including flow dissipation measures to prevent scouring, and
 - additional control measures needed to address any conditions requiring corrective action identified during the inspection.
- Any required revisions to the SWPPP resulting from the inspection;
- Any incidents of noncompliance observed or a certification stating the facility is in compliance with this permit (if there is no noncompliance); and
- A statement, signed and certified in accordance with Appendix B, Subsection 11 of the permit.

Any corrective action required as a result of the comprehensive site inspection must be performed consistent with Part 3 of this permit.

5. Stormwater Pollution Prevention Plan (SWPPP).

You must prepare a SWPPP for your facility before submitting your Notice of Intent (NOI) for permit coverage. If you prepared a SWPPP for coverage under a previous NPDES permit, you must review and update the SWPPP to implement all provisions of this permit prior to submitting your NOI. The SWPPP does not contain effluent limitations; the limitations are contained in Part 2 of the permit, and for some sectors, Parts 8 and 9 of the permit. The SWPPP is intended to document the selection, design, and installation of control measures. As distinct from the SWPPP, the additional documentation requirements (see Part 5.4) are intended to

document the implementation (including inspection, maintenance, monitoring, and corrective action) of the permit requirements.

5.1 Contents of Your SWPPP.

For coverage under this permit, your SWPPP must contain all of the following elements:

- Stormwater pollution prevention team (see Part 5.1.1);
- Site description (see Part 5.1.2);
- Summary of potential pollutant sources (see Part 5.1.3);
- Description of control measures (see Part 5.1.4);
- Schedules and procedures (see Part 5.1.5);
- Documentation to support eligibility considerations under other federal laws (see Part 5.1.6); and
- Signature requirements (see Part 5.1.7).

Where your SWPPP refers to procedures in other facility documents, such as a Spill Prevention, Control and Countermeasure (SPCC) Plan or an Environmental Management System (EMS) developed for a National Environmental Performance Track facility, copies of the relevant portions of those documents must be kept with your SWPPP.

5.1.1 Stormwater Pollution Prevention Team.

You must identify the staff members (by name or title) that comprise the facility's stormwater pollution prevention team as well as their individual responsibilities. Your stormwater pollution prevention team is responsible for assisting the facility manager in developing and revising the facility's SWPPP as well as maintaining control measures and taking corrective actions where required. Each member of the stormwater pollution prevention team must have ready access to either an electronic or paper copy of applicable portions of this permit and your SWPPP.

5.1.2 Site Description.

Your SWPPP must include the following:

- *Activities at the Facility.* Provide a description of the nature of the industrial activities at your facility.
- *General location map.* Provide a general location map (e.g., U.S. Geological Survey (USGS) quadrangle map) with enough detail to identify the location of your facility and all receiving waters for your stormwater discharges.
- *Site map.* Provide a map showing:
 - the size of the property in acres;
 - the location and extent of significant structures and impervious surfaces;
 - directions of stormwater flow (use arrows);
 - locations of all existing structural control measures;

- locations of all receiving waters in the immediate vicinity of your facility, indicating if any of the waters are impaired and, if so, whether the waters have TMDLs established for them;
- locations of all stormwater conveyances including ditches, pipes, and swales;
- locations of potential pollutant sources identified under Part 5.1.3.2;
- locations where significant spills or leaks identified under Part 5.1.3.3 have occurred;
- locations of all stormwater monitoring points;
- locations of stormwater inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No: 1, No. 2, etc), indicating if you are treating one or more outfalls as “substantially identical” under Parts 4.2.3, 5.1.5.2, and 6.1.1, and an approximate outline of the areas draining to each outfall;
- municipal separate storm sewer systems, where your stormwater discharges to them;
- locations and descriptions of all non-stormwater discharges identified under Part 2.1.2.10;
- 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;
 - liquid storage tanks;
 - processing and storage areas;
 - immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility;
 - transfer areas for substances in bulk; and
 - machinery; and
- locations and sources of run-on to your site from adjacent property that contains significant quantities of pollutants.

5.1.3 Summary of Potential Pollutant Sources.

You must document areas at your facility where industrial materials or activities are exposed to stormwater and from which allowable non-stormwater discharges are released. *Industrial materials or activities* include, but are not limited to: material handling equipment or activities; industrial machinery; raw materials; industrial production and processes; and intermediate products, by-products, final products, and waste products. *Material handling activities* include, but are not limited to: the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product or waste product. For each area identified, the description must include:

5.1.3.1 Activities in the area. A list of the industrial activities exposed to stormwater (e.g., material storage; equipment fueling, maintenance, and cleaning; cutting steel beams).

5.1.3.2 Pollutants. A list of the pollutant(s) or pollutant constituents (e.g., crankcase oil, zinc, sulfuric acid, and cleaning solvents) associated with each identified activity. The pollutant list must include all significant materials that have been handled, treated, stored, or disposed, and that have been exposed to stormwater in the 3 years prior to the date you prepare or amend your SWPPP.

5.1.3.3 Spills and Leaks. You must document where potential spills and leaks could occur that could contribute pollutants to stormwater discharges, and the corresponding outfall(s) that would be affected by such spills and leaks. You must document all significant spills and leaks of oil or toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance, in the 3 years prior to the date you prepare or amend your SWPPP.

Note: 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 Section 311 (see 40 CFR 110.6 and 40 CFR 117.21) or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC §9602. 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.

5.1.3.4 Non-Stormwater Discharges. You must document that you have evaluated for the presence of non-stormwater discharges and that all unauthorized discharges have been eliminated. Documentation of your evaluation must include:

- The date of any evaluation;
- A description of the evaluation criteria used;
- A list of the outfalls or onsite drainage points that were directly observed during the evaluation;
- The different types of non-stormwater discharge(s) and source locations; and
- The action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an NPDES permit application was submitted for an unauthorized cooling water discharge.

5.1.3.5 Salt Storage. You must document the location of any storage piles containing salt used for deicing or other commercial or industrial purposes.

5.1.3.6 Sampling Data. You must summarize all stormwater discharge sampling data collected at your facility during the previous permit term.

5.1.4 Description of Control Measures.

5.1.4.1 Control Measures to Meet Technology-Based and Water Quality-Based Effluent Limits. You must document the location and type of control measures you have installed and implemented at your site to achieve the non-numeric effluent limits in Part 2.1.2, and where applicable in Part 8, the effluent limitations guidelines-based limits in Part 2.1.3,

the water quality-based effluent limits in Part 2.2, and any agreed-upon endangered species or NEPA-related requirements in Parts 2.3 and 2.4, and describe how you addressed the control measure selection and design considerations in Part 2.1.1. This documentation must describe how the control measures at your site address both the pollutant sources identified in Part 5.1.3, and any stormwater run-on that commingles with any discharges covered under this permit.

5.1.5 Schedules and Procedures

5.1.5.1 Pertaining to Control Measures Used to Comply with the Effluent Limits in Part 2.

The following must be documented in your SWPPP:

- Good Housekeeping (See Part 2.1.2.2) – A schedule for regular pickup and disposal of waste materials, along with routine inspections for leaks and conditions of drums, tanks and containers;
- Maintenance (See Part 2.1.2.3) – Preventative maintenance procedures, including regular inspections, testing, maintenance, and repair of all industrial equipment and systems, and control measures, to avoid situations that may result in leaks, spills, and other releases, and any back-up practices in place should a runoff event occur while a control measure is off-line;
- Spill Prevention and Response Procedures (See Part 2.1.2.4) – Procedures for preventing and responding to spills and leaks. You 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, provided that you keep a copy of that other plan onsite and make it available for review consistent with Part 5.3; and
- Employee Training (Part 2.1.2.9) – A schedule for all types of necessary training.

5.1.5.2 Pertaining to Monitoring and Inspection. You must document in your SWPPP your procedures for conducting the five types of analytical monitoring specified by this permit, where applicable to your facility, including:

- Benchmark monitoring (see Part 6.2.1);
- Effluent limitations guidelines monitoring (see Part 6.2.2);
- State- or Tribal-specific monitoring (see Part 6.2.3);
- Impaired waters monitoring (see Part 6.2.4); and
- Other monitoring as required by EPA (see Part 6.2.5).

For each type of monitoring, your SWPPP must document:

- Locations where samples are collected, including any determination that two or more outfalls are substantially identical;
- Parameters for sampling and the frequency of sampling for each parameter;
- Schedules for monitoring at your facility, including schedule for alternate monitoring periods for climates with irregular stormwater runoff (see Part 6.1.6);

- Any numeric control values (benchmarks, effluent limitations guidelines, TMDL-related requirements, or other requirements) applicable to discharges from each outfall; and
- Procedures (e.g., responsible staff, logistics, laboratory to be used, etc.) for gathering storm event data, as specified in Part 6.1.

If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, you must include in your SWPPP the information to support this claim as required by Part 6.2.1.3.

You must document the following in your SWPPP if you plan to use the substantially identical outfall exception for your quarterly visual assessment requirements in Part 4.2 or your benchmark monitoring requirements in Part 6.2.1:

- Location of each of the substantially identical outfalls;
- Description of the general industrial activities conducted in the drainage area of each outfall;
- Description of the control measures implemented in the drainage area of each outfall;
- Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges;
- An estimate of the runoff coefficient of the drainage areas (low = under 40%; medium = 40 to 65%; high = above 65%); and
- Why the outfalls are expected to discharge substantially identical effluents.

You must document in your SWPPP your procedures for performing, as appropriate, the three types of inspections specified by this permit, including:

- Routine facility inspections (see Part 4.1);
- Quarterly visual assessment of stormwater discharges (see Part 4.2); and
- Comprehensive site inspections (see Part 4.3).

For each type of inspection performed, your SWPPP must identify:

- Person(s) or positions of person(s) responsible for inspection;
- Schedules for conducting inspections, including tentative schedule for facilities in climates with irregular stormwater runoff discharges (see Part 4.2.3); and
- Specific items to be covered by the inspection, including schedules for specific outfalls.

If you are invoking the exception for inactive and unstaffed sites relating to routine facility inspections and quarterly visual assessments, you must include in your SWPPP the information to support this claim as required by Parts 4.1.3 and 4.2.3.

5.1.6 Documentation to Support Eligibility Considerations Under Other Federal Laws.

5.1.6.1 Documentation Regarding Endangered Species. You must keep with your SWPPP the documentation supporting your determination with regard to Part 1.1.4.5 (Endangered and Threatened Species and Critical Habitat Protection).

5.1.6.2 Documentation Regarding Historic Properties. You must keep with your SWPPP the documentation supporting your determination with regard to Part 1.1.4.6 (Historic Properties Preservation).

5.1.6.3 Documentation Regarding NEPA Review. You must keep with your SWPPP the documentation supporting your certification of eligibility under Part 1.1.2.5 (Discharges Subject to Any New Source Performance Standards).

5.1.7 Signature Requirements.

You must sign and date your SWPPP in accordance with Appendix B, Subsection 11, including the date of signature.

5.2 Required SWPPP Modifications.

You must modify your SWPPP whenever necessary to address any of the triggering conditions for corrective action in Part 3.1 and to ensure that they do not reoccur, or to reflect changes implemented when a review following the triggering conditions in Part 3.2 indicates that changes to your control measures are necessary to meet the effluent limits in this permit. Changes to your SWPPP document must be made in accordance with the corrective action deadlines in Parts 3.3 and 3.4, and must be signed and dated in accordance with Appendix B, Subsection 11.

5.3 SWPPP Availability.

You must retain a copy of the current SWPPP required by this permit at the facility, and it must be immediately available to EPA; a State, Tribal, or local agency approving stormwater management plans; the operator of an MS4 receiving discharges from the site; and representatives of the U.S. Fish and Wildlife Service (USFWS) or the National Marine Fisheries Service (NMFS) at the time of an onsite inspection or upon request. EPA may provide access to portions of your SWPPP to a member of the public upon request. Confidential Business Information (CBI) may be withheld from the public, but may not be withheld from those staff cleared for CBI review within EPA, USFWS, or NMFS.

EPA encourages you to post your SWPPP online and provide the website address on your NOI.

5.4 Additional Documentation Requirements.

You are required to keep the following inspection, monitoring, and certification records with your SWPPP that together keep your records complete and up-to-date, and demonstrate your full compliance with the conditions of this permit:

- A copy of the NOI submitted to EPA along with any correspondence exchanged between you and EPA specific to coverage under this permit;
- A copy of the acknowledgment letter you receive from the NOI Processing Center or eNOI system assigning your permit tracking number;
- A copy of this permit (an electronic copy easily available to SWPPP personnel is also acceptable);
- Descriptions and dates of any incidences of significant spills, leaks, or other releases that resulted in discharges of pollutants to waters of the U.S., through stormwater or otherwise; the circumstances leading to the release and actions taken in response to the release; and measures taken to prevent the recurrence of such releases (see Part 2.1.2.4);
- Records of employee training, including date training received (see Part 2.1.2.9);
- Documentation of maintenance and repairs of control measures, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules (see Part 2.1.2.3);
- All inspection reports, including the Routine Facility Inspection Reports (see Part 4.1), the Quarterly Visual Assessment Reports (see Part 4.2), and the Comprehensive Site Inspection Reports (see Part 4.3);
- Description of any deviations from the schedule for visual assessments and/or monitoring, and the reason for the deviations (e.g., adverse weather or it was impracticable to collect samples within the first 30 minutes of a measurable storm event) (see Parts 4.2.1, 6.1.4, and 6.2.1.2);
- Description of any corrective action taken at your site, including triggering event and dates when problems were discovered and modifications occurred;
- Documentation of any benchmark exceedances and how they were responded to, including either (1) corrective action taken, (2) a finding that the exceedance was due to natural background pollutant levels, or (3) a finding that no further pollutant reductions were technologically available and economically practicable and achievable in light of best industry practice consistent with Part 6.2.1.2;
- Documentation to support any determination that pollutants of concern are not expected to be present above natural background levels if you discharge directly to impaired waters, and that such pollutants were not detected in your discharge or were solely attributable to natural background sources (see Part 6.2.4.2); and
- Documentation to support your claim that your facility has changed its status from active to inactive and unstaffed with respect to the requirements to conduct routine facility inspections (see Part 4.1.3), quarterly visual assessments (see Part 4.2.3), and/or benchmark monitoring (see Part 6.2.1.3).

6. Monitoring.

You must collect and analyze stormwater samples and document monitoring activities consistent with the procedures described in Part 6 and Appendix B, Subsections 10 – 12, and any additional sector-specific or State/Tribal-specific requirements in Parts 8 and 9, respectively. Refer to Part 7 for reporting and recordkeeping requirements.

6.1 Monitoring Procedures

6.1.1 Monitored Outfalls.

Applicable monitoring requirements apply to each outfall authorized by this permit, except as otherwise exempt from monitoring as a “substantially identical outfall.” If your facility has two or more outfalls that you believe discharge substantially identical effluents, based on the similarities of the general industrial activities and control measures, exposed materials that may significantly contribute pollutants to stormwater, and runoff coefficients of their drainage areas, you may monitor the effluent of just one of the outfalls and report that the results also apply to the substantially identical outfall(s). As required in Part 5.1.5.2, your SWPPP must identify each outfall authorized by this permit and describe the rationale for any substantially identical outfall determinations. The allowance for monitoring only one of the substantially identical outfalls is not applicable to any outfalls with numeric effluent limitations. You are required to monitor each outfall covered by a numeric effluent limit as identified in Part 6.2.2.

6.1.2 Commingled Discharges.

If discharges authorized by this permit commingle with discharges not authorized under this permit, any required sampling of the authorized discharges must be performed at a point before they mix with other waste streams, to the extent practicable.

6.1.3 Measurable Storm Events.

All required monitoring must be performed on a storm event that results in an actual discharge from your site (“measurable storm event”) that follows the preceding measurable storm event by at least 72 hours (3 days). The 72-hour (3-day) storm interval does not apply if you are able to document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring must be performed at a time when a measurable discharge occurs at your site.

For each monitoring event, except snowmelt monitoring, you must identify the date and duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event. For snowmelt monitoring, you must identify the date of the sampling event.

6.1.4 Sample Type.

You must take a minimum of one grab sample from a discharge resulting from a measurable storm event as described in Part 6.1.3. Samples must be collected within the first 30 minutes of a measurable storm event. If it is not possible to collect the sample within the first 30 minutes of a measurable storm event, the sample must be collected as soon as practicable after the first 30 minutes and documentation must be kept with the SWPPP explaining why it was not possible to take samples within the first 30 minutes. In the case of snowmelt, samples must be taken during a period with a measurable discharge.

6.1.5 Adverse Weather Conditions.

When adverse weather conditions as described in Part 4.2.3 prevent the collection of samples according to the relevant monitoring schedule, you must take a substitute sample during the next qualifying storm event. Adverse weather does not exempt you from having to file a benchmark monitoring report in accordance with your sampling schedule. You must report any failure to monitor as specified in Part 7.1 indicating the basis for not sampling during the usual reporting period.

6.1.6 Climates with Irregular Stormwater Runoff.

If your facility is located in areas where limited rainfall occurs during parts of the year (e.g., arid or semi-arid climates) or in areas where freezing conditions exist that prevent runoff from occurring for extended periods, required monitoring events may be distributed during seasons when precipitation occurs, or when snowmelt results in a measurable discharge from your site. You must still collect the required number of samples.

6.1.7 Monitoring Periods.

Monitoring requirements in this permit begin in the first full quarter following either April 1, 2009 or your date of discharge authorization, whichever date comes later. If your monitoring is required on a quarterly basis (e.g., benchmark monitoring), you must monitor at least once in each of the following 3-month intervals:

- January 1 – March 31;
- April 1 – June 30;
- July 1 – September 30; and
- October 1 – December 31.

For example, if you obtain permit coverage on June 2, 2009, then your first monitoring quarter is July 1 - September 30, 2009. This monitoring schedule may be modified in accordance with Part 6.1.6 if the revised schedule is documented with your SWPPP and provided to EPA with your first monitoring report.

6.1.8 Monitoring for Allowable Non-Stormwater Discharges

You are only required to monitor allowable non-stormwater discharges (as delineated in Part 1.1.3) when they are commingled with stormwater discharges associated with industrial activity.

6.2 Required Monitoring.

This permit includes five types of required analytical monitoring, one or more of which may apply to your discharge:

- Quarterly benchmark monitoring (see Part 6.2.1)
- Annual effluent limitations guidelines monitoring (see Part 6.2.2);
- State- or Tribal-specific monitoring (see Part 6.2.3);
- Impaired waters monitoring (see Part 6.2.4); and
- Other monitoring as required by EPA (see Part 6.2.5).

When more than one type of monitoring for the same parameter at the same outfall applies (e.g., total suspended solids once per year for an effluent limit and once per quarter for benchmark monitoring at a given outfall), you may use a single sample to satisfy both monitoring requirements (i.e., one sample satisfying both the annual effluent limit sample and one of the 4 quarterly benchmark monitoring samples).

All required monitoring must be conducted in accordance with the procedures described in Appendix B, Subsection 10.D.

6.2.1 Benchmark Monitoring.

This permit stipulates pollutant benchmark concentrations that may be applicable to your discharge. The benchmark concentrations are not effluent limitations; a benchmark exceedance, therefore, is not a permit violation. Benchmark monitoring data are primarily for your use to determine the overall effectiveness of your control measures and to assist you in knowing when additional corrective action(s) may be necessary to comply with the effluent limitations in Part 2.

6.2.1.1 Applicability of Benchmark Monitoring. You must monitor for any benchmark parameters specified for the industrial sector(s), both primary industrial activity and any co-located industrial activities, applicable to your discharge. Your industry-specific benchmark concentrations are listed in the sector-specific sections of Part 8. If your facility is in one of the industrial sectors subject to benchmark concentrations that are hardness-dependent, you are required to submit to EPA with your first benchmark report a hardness value, established consistent with the procedures in Appendix J, which is representative of your receiving water.

Samples must be analyzed consistent with 40 CFR Part 136 analytical methods and using test procedures with quantitation limits at or below benchmark values for all benchmark parameters for which you are required to sample.

6.2.1.2 Benchmark Monitoring Schedule. Benchmark monitoring must be conducted quarterly, as identified in Part 6.1.7, for your first 4 full quarters of permit coverage commencing no earlier than April 1, 2009. Facilities in climates with irregular stormwater runoff, as described in Part 6.1.6, may modify this quarterly schedule provided that this revised schedule is reported to EPA when the first benchmark sample is collected and reported, and that this revised schedule is kept with the facility's SWPPP as specified in Part 5.4.

Data not exceeding benchmarks: After collection of 4 quarterly samples, if the average of the 4 monitoring values for any parameter does not exceed the benchmark, you have fulfilled your monitoring requirements for that parameter for the permit term. For averaging purposes, use a value of zero for any individual sample parameter, analyzed using procedures consistent with Part 6.2.1.1, which is determined to be less than the method detection limit. For sample values that fall between the method detection level and the quantitation limit (i.e., a confirmed detection but below the level that can be reliably quantified), use a value halfway between zero and the quantitation limit.

Data exceeding benchmarks: After collection of 4 quarterly samples, if the average of the 4 monitoring values for any parameter exceeds the benchmark, you must, in accordance with Part 3.2, review the selection, design, installation, and implementation of your control measures to determine if modifications are necessary to meet the effluent limits in this permit, and either:

- Make the necessary modifications and continue quarterly monitoring until you have completed 4 additional quarters of monitoring for which the average does not exceed the benchmark; or
- Make a determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in Parts 2 of this permit, in which case you must continue monitoring once per year. You must also document your rationale for concluding that no further pollutant reductions are achievable, and retain all records related to this documentation with your SWPPP. You must also notify EPA of this determination in your next benchmark monitoring report.

In accordance with Part 3.2, you must review your control measures and perform any required corrective action immediately (or document why no corrective action is required), without waiting for the full 4 quarters of monitoring data, if an exceedance of the 4 quarter average is mathematically certain. If after modifying your control measures and conducting 4 additional quarters of monitoring, your average still exceeds the benchmark (or if an exceedance of the benchmark by the 4 quarter average is mathematically certain prior to conducting the full 4 additional quarters of monitoring), you must again review your control measures and take one of the two actions above.

Natural background pollutant levels: Following the first 4 quarters of benchmark monitoring (or sooner if the exceedance is triggered by less than 4 quarters of data, see above), if the average concentration of a pollutant exceeds a benchmark value, and you determine that exceedance of the benchmark is attributable solely to the presence of that pollutant in the natural background, you are not required to perform corrective action or additional benchmark monitoring provided that:

- The average concentration of your benchmark monitoring results is less than or equal to the concentration of that pollutant in the natural background;
- You document and maintain with your SWPPP, as required in Part 5.4, your supporting rationale for concluding that benchmark exceedances are in fact attributable solely to natural background pollutant levels. You must include in your supporting rationale any data previously collected by you or others (including literature studies) that describe the levels of natural background pollutants in your stormwater discharge; and
- You notify EPA on your final quarterly benchmark monitoring report that the benchmark exceedances are attributable solely to natural background pollutant levels.

Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity on your site, or pollutants in run-on from neighboring sources which are not naturally occurring.

6.2.1.3 Exception for Inactive and Unstaffed Sites. The requirement for benchmark monitoring does not apply at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to stormwater. To invoke this exception, you must do the following:

- Maintain a statement onsite with your SWPPP stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to stormwater in accordance with the substantive requirements in 40 CFR 122.26(g) and sign and certify the statement in accordance with Appendix B, Subsection 11; and
- If circumstances change and industrial materials or activities become exposed to stormwater or your facility becomes active and/or staffed, this exception no longer applies and you must immediately begin complying with the applicable benchmark monitoring requirements under Part 6.2 as if you were in your first year of permit coverage. You must indicate in your first benchmark monitoring report that your facility has materials or activities exposed to stormwater or has become active and/or staffed.
- If you are not qualified for this exception at the time you are authorized under this permit, but during the permit term you become qualified because your facility is inactive and unstaffed, and there are no industrial materials or activities that are exposed to stormwater, then you must notify EPA of this change in your next benchmark monitoring report. You may discontinue benchmark monitoring once

you have notified EPA, and prepared and signed the certification statement described above concerning your facility's qualification for this special exception.

Note: This exception has different requirements for Sectors G, H, and J (see Part 8).

6.2.2 Effluent Limitations Monitoring.

6.2.2.1 Monitoring Based on Effluent Limitations Guidelines. Table 6-1 identifies the stormwater discharges subject to effluent limitation guidelines that are authorized for coverage under this permit. Beginning in the first full quarter following April 1, 2009 or your date of discharge authorization, whichever date comes later, you must monitor once per year at each outfall containing the discharges identified in Table 6-1 for the parameters specified in the sector-specific section of Part 8.

Table 6-1. Required Monitoring for Effluent Limits Based on Effluent Limitations Guidelines

Regulated Activity	Effluent Limit	Monitoring Frequency	Sample Type
Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	See Part 8.A.7	1/year	Grab
Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	See Part 8.C.4	1/year	Grab
Runoff from asphalt emulsion facilities	See Part 8.D.4	1/year	Grab
Runoff from material storage piles at cement manufacturing facilities	See Part 8.E.5	1/year	Grab
Mine dewatering discharges at crushed stone, construction sand and gravel, or industrial sand mining facilities	See Part 8.J.9	1/year	Grab
Runoff from hazardous waste landfills	See Part 8.K.6	1/year	Grab
Runoff from non-hazardous waste landfills	See Part 8.L.10	1/year	Grab
Runoff from coal storage piles at steam electric generating facilities	See Part 8.O.8	1/year	Grab

6.2.2.2 Substantially Identical Outfalls. You must monitor each outfall discharging runoff from any regulated activity identified in Table 6-1. The substantially identical outfall monitoring provisions are not available for numeric effluent limits monitoring.

6.2.3 State or Tribal Provisions Monitoring

6.2.3.1 Sectors Required to Conduct State or Tribal Monitoring. You must comply with any State or Tribal monitoring requirements (see Part 9) applicable to your facility's location.

6.2.3.2 State or Tribal Monitoring Schedule. If a monitoring frequency is not specified for an applicable requirement in Part 9, you must monitor once per year for the entire permit term.

6.2.4 Discharges to Impaired Waters Monitoring.

6.2.4.1 Permitees Required to Monitor Discharges to Impaired Waters. If you discharge to an impaired water, you must monitor for all pollutants for which the waterbody is impaired and for which a standard analytical method exists (see 40 CFR Part 136).

If the pollutant for which the waterbody is impaired is suspended solids, turbidity or sediment/sedimentation, you must monitor for Total Suspended Solids (TSS). If the pollutant for which the waterbody is impaired is expressed in the form of an indicator or surrogate pollutant, you must monitor for that indicator or surrogate pollutant. No monitoring is required when a waterbody's biological communities are impaired but no pollutant, including indicator or surrogate pollutants, is specified as causing the impairment, or when a waterbody's impairment is related to hydrologic modifications, impaired hydrology, or temperature.

6.2.4.2 Impaired Waters Monitoring Schedule.

Discharges to impaired waters without an EPA approved or established TMDL:

Beginning in the first full quarter following April 1, 2009 or your date of discharge authorization, whichever date comes later, you must monitor once per year at each outfall (except substantially identical outfalls) discharging stormwater to impaired waters without an EPA approved or established TMDL. This monitoring requirement does not apply after one year if the pollutant for which the waterbody is impaired is not detected above natural background levels in your stormwater discharge, and you document, as required in Part 5.4 (Additional Documentation Requirements), that this pollutant is not expected to be present above natural background levels in your discharge.

If the pollutant for which the water is impaired is not present and not expected to be present in your discharge, or it is present but you have determined that its presence is caused solely by natural background sources, you should include a notification to this effect in your first monitoring report, after which you may discontinue annual monitoring. To support a determination that the pollutant's presence is caused solely by natural background sources, you must keep the following documentation with your SWPPP records:

- An explanation of why you believe that the presence of the pollutant causing the impairment in your discharge is not related to the activities at your facility; and
- Data and/or studies that tie the presence of the pollutant causing the impairment in your discharge to natural background sources in the watershed.

Natural background pollutants include those substances that are naturally occurring in soils or groundwater. Natural background pollutants do not include legacy pollutants from earlier activity on your site, or pollutants in run-on from neighboring sources which are not naturally occurring.

Discharges to impaired waters with an EPA approved or established TMDL: For stormwater discharges to waters for which there is an EPA approved or established TMDL, you are not required to monitor for the pollutant for which the TMDL was written unless EPA informs you, upon examination of the applicable TMDL and/or WLA, that you are subject to such a requirement consistent with the assumptions of the applicable TMDL and/or WLA. EPA's notice will include specifications on which pollutant to monitor and the required monitoring frequency during the first year of permit coverage. Following the first year of monitoring:

- If the TMDL pollutant is not detected in any of your first year samples, you may discontinue further sampling, unless the TMDL has specific instructions to the contrary, in which case you must follow those instructions. You must keep records of this finding onsite with your SWPPP.
- If you detect the presence of the pollutant causing the impairment in your stormwater discharge for any of the samples collected in your first year, you must continue monitoring annually throughout the term of this permit, unless the TMDL specifies more frequent monitoring, in which case you must follow the TMDL requirements.

6.2.5 Additional Monitoring Required by EPA.

EPA may notify you of additional discharge monitoring requirements. Any such notice will briefly state the reasons for the monitoring, locations, and parameters to be monitored, frequency and period of monitoring, sample types, and reporting requirements.

6.3 Follow-up Actions if Discharge Exceeds Numeric Effluent Limit.

You must conduct follow-up monitoring within 30 calendar days (or during the next qualifying runoff event, should none occur within 30 days) of implementing corrective action(s) taken pursuant to Part 3 in response to an exceedance of a numeric effluent limit contained in this permit. See Part 9 for specific monitoring requirements applicable to individual States or Tribes. Monitoring must be performed for any pollutant(s) that exceeds the effluent limit. If this follow-up monitoring exceeds the applicable effluent limitation, you must comply with both Parts 6.3.1 and 6.3.2.

6.3.1 Submit an Exceedance Report.

You must submit an Exceedance Report consistent with Part 7.3.

6.3.2 Continue to Monitor.

You must continue to monitor, at least quarterly, until your discharge is in compliance with the effluent limit or until EPA waives the requirement for additional monitoring.

7. Reporting and Recordkeeping

7.1 Reporting Monitoring Data to EPA.

All monitoring data collected pursuant to Parts 6.2 and 6.3 must be submitted to EPA using EPA's online eNOI system (www.epa.gov/npdes/eNOI) no later than 30 days (email date or postmark date) after you have received your complete laboratory results for all monitored outfalls for the reporting period. If you cannot access eNOI, paper reporting forms must be submitted by the same deadline to the appropriate address identified in Part 7.6.1. If you are using paper reporting forms, EPA strongly recommends that you use the MSGP discharge monitoring report (MDMR) available at www.epa.gov/npdes/stormwater/msgp. See Part 9 for specific reporting requirements applicable to individual States or Tribes.

For benchmark monitoring, note that you are required to submit sampling results to EPA no later than 30 days after receiving laboratory results for each quarter that you are required to collect benchmark samples, in accordance with Part 6.2.1.2. If you collect multiple samples in a single quarter (e.g., due to adverse weather conditions, climates with irregular stormwater runoff, or areas subject to snow), you are required to submit all sampling results to EPA within 30 days of receiving the laboratory results.

7.2 Annual Report

You must submit an annual report to EPA that includes the findings from your Part 4.3 comprehensive site inspection and any corrective action documentation as required in Part 3.4. If corrective action is not yet completed at the time of submission of this annual report, you must describe the status of any outstanding corrective action(s). In addition to the information required in Parts 3.4 (Corrective Action Report) and 4.3.2 (Comprehensive Site Inspection Documentation), you must include the following information with your annual report:

- Facility name
- NPDES permit tracking number
- Facility physical address
- Contact person name, title, and phone number

EPA strongly recommends that you submit this report using the Annual Reporting Form provided as Appendix I. You must submit the annual report to EPA within 45 days (postmark date) after conducting the comprehensive site inspection to the address identified in Part 7.6.1.

7.3 Exceedance Report for Numeric Effluent Limits

If follow-up monitoring pursuant to Part 6.3 exceeds a numeric effluent limit, you must submit an Exceedance Report to EPA no later than 30 days after you have received your lab results. Your report must include the following:

- NPDES permit tracking number;

- Facility name, physical address and location;
- Name of receiving water;
- Monitoring data from this and the preceding monitoring event(s);
- An explanation of the situation; what you have done and intend to do (should your corrective actions not yet be complete) to correct the violation; and
- An appropriate contact name and phone number.

7.4 Additional Reporting.

In addition to the reporting requirements stipulated in Part 7, you are also subject to the standard permit reporting provisions of Appendix B, Subsection 12.

Where applicable, you must submit the following reports to the appropriate EPA Regional Office listed in Part 7.6.2, as applicable. If you discharge through an MS4, you must also submit these reports to the MS4 operator (identified pursuant to Part 5.1.2).

- 24-hour reporting (see Appendix B, Subsection 12.F) - You must report any noncompliance which may endanger health or the environment. Any information must be provided orally within 24 hours from the time you become aware of the circumstances;
- 5-day follow-up reporting to the 24 hour reporting (see Appendix B, Subsection 12.F) - A written submission must also be provided within five days of the time you become aware of the circumstances;
- Reportable quantity spills (see Part 2.1.2.4) - You must provide notification, as required under Part 2.1.2.4, as soon as you have knowledge of a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity.

Where applicable, you must submit the following reports to EPA Headquarters at the appropriate address in Part 7.6.1:

- Planned changes (see Appendix B, Subsection 12.A) – You must give notice to EPA as soon as possible of any planned physical alterations or additions to the permitted facility that qualify the facility as a new source or that could significantly change the nature or significantly increase the quantity of pollutants discharged;
- Anticipated noncompliance (see Appendix B, Subsection 12.B) – You must give advance notice to EPA of any planned changes in the permitted facility or activity which you anticipate will result in noncompliance with permit requirements;
- Transfer of ownership and/or operation – You must submit a complete and accurate NOI in accordance with the requirements of Appendix G of this permit and by the deadlines specified in Table 1-2;
- Compliance schedules (see Appendix B, Subsection 12.F) - Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date;

- Other noncompliance (see Appendix B, Subsection 12.G) - You must report all instances of noncompliance not reported in your monitoring report (pursuant to Part 7.1), compliance schedule report, or 24-hour report at the time monitoring reports are submitted; and
- Other information (see Appendix B, Subsection 12.H) – You must promptly submit facts or information if you become aware that you failed to submit relevant facts in your NOI, or that you submitted incorrect information in your NOI or in any report.

7.5 Recordkeeping.

You must retain copies of your SWPPP (including any modifications made during the term of this permit), additional documentation requirements pursuant to Part 5.4 (including documentation related to corrective actions taken pursuant to Part 3), all reports and certifications required by this permit, monitoring data, and records of all data used to complete the NOI to be covered by this permit, for a period of at least 3 years from the date that your coverage under this permit expires or is terminated.

7.6 Addresses for Reports

7.6.1 EPA Addresses

Paper copies of any reports required in Part 6 and 7, not otherwise submitted electronically via EPA's eNOI system (www.epa.gov/npdes/eNOI) must be sent to one of the following addresses:

Via U.S. mail:

U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Mail Code 4203M, ATTN: MSGP Reports
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

Or Via Overnight/Express Delivery:

U.S. Environmental Protection Agency
Office of Water, Water Permits Division
Room 7420, ATTN: MSGP Reports
1201 Constitution Avenue, NW
Washington, D.C. 20004
Phone number: 202-564-9545

Notices of Intent and Notices of Termination should be submitted using EPA's eNOI system (www.epa.gov/npdes/eNOI) or sent to EPA's NOI Center (see Appendix G for the address).

All other 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 individual permit applications, must be sent to the address of the appropriate EPA Regional Office listed below:

7.6.2 Regional Addresses

7.6.2.1 Region 1: Connecticut, Massachusetts, and New Hampshire, Rhode Island, Vermont.

U.S. EPA Region 1
Office of Ecosystem Protection
One Congress Street - CIP
Boston, MA 02114

7.6.2.2 Region 2: New Jersey, New York, Puerto Rico, and Virgin Islands.

For Puerto Rico and the Virgin Islands

U.S. EPA Region 2
Caribbean Environmental Protection Division
Environmental Management Branch
Centro Europa Building
1492 Ponce de Leon Avenue, Suite 417
San Juan, PR 00907-4127

For New Jersey and New York:

(Coverage not available under this permit.)

U.S. EPA Region 2
Division of Environmental Planning and Protection
290 Broadway
New York, NY 10007-1866

7.6.2.3 Region 3: Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia.

U.S. EPA Region 3
Water Protection Division (3WP40)
Stormwater Coordinator
1650 Arch Street
Philadelphia, PA 19103

7.6.2.4 Region 4: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee.

(Coverage not available under this permit.)

U.S. EPA Region 4
Clean Water Act Enforcement Section
Water Programs Enforcement Branch
Water Management Division
Atlanta Federal Center
61 Forsyth Street SW
Atlanta, GA 30303

7.6.2.5 Region 5: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin.

U.S. EPA Region 5
Water Division
NPDES Programs Branch
77 W. Jackson Blvd.
Mail Code WN16J
Chicago, IL 60604

7.6.2.6 Region 6: Arkansas, Louisiana, Oklahoma, Texas, and New Mexico (except see Region 9 for Navajo lands, and see Region 8 for Ute Mountain Reservation lands).

U.S. EPA Region 6
Stormwater Coordinator
Compliance Assurance and Enforcement Division (6EN-WC)
EPA SW MSGP
P.O. Box 50625
Dallas, TX 75205

7.6.2.7 Region 7: Iowa, Kansas, Missouri, Nebraska.

(Coverage not available under this permit.)

U.S. EPA - Region 7
901 N. 5th Street
Kansas City, KS 66101

7.6.2.8 Region 8: Colorado, Montana, North Dakota, South Dakota, Wyoming, Utah (except see Region 9 for Goshute Reservation and Navajo Reservation lands), the Ute Mountain Reservation in New Mexico, and the Pine Ridge Reservation in Nebraska.

(Coverage not available under this permit.)

U.S. EPA Region 8
Stormwater Coordinator (8P-W-P)
999 18th Street, Suite 300
Denver, CO 80202-2466

7.6.2.9 Region 9: Arizona, California, Hawaii, Nevada, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, the Goshute Reservation in Utah and Nevada, the Navajo Reservation in Utah, New Mexico, and Arizona, the Duck Valley Reservation in Idaho, Fort McDermitt Reservation in Oregon.

U.S. EPA Region 9
Water Management Division, WTR-5
Stormwater Coordinator
75 Hawthorne Street
San Francisco, CA 94105

7.6.2.10 Region 10: Alaska, Idaho, Oregon (except see Region 9 for Fort McDermitt Reservation), Washington.

U.S. EPA Region 10
Office of Water and Watersheds OWW-130
Stormwater Coordinator
1200 6th Avenue
Seattle, WA 98101

7.6.3 State and Tribal Addresses.

See Part 9 (States and Tribes) for the addresses of applicable States or Tribes that require submission of information to their agencies.

Part 8 – Sector-Specific Requirements for Industrial Activity

Subpart K – Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities.

You must comply with Part 8 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities, as defined in Appendix A. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur. These sector-specific requirements are in addition to any requirements specified elsewhere in this permit.

8.K.1 Covered Stormwater Discharges.

The requirements in Subpart K apply to stormwater discharges associated with industrial activity from Hazardous Waste Treatment, Storage, or Disposal facilities (TSDFs) as identified by the Activity Code specified under Sector K in Table D-1 of Appendix D of the permit.

8.K.2 Industrial Activities Covered by Sector K.

This permit authorizes stormwater 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.

Disposal facilities that have been properly closed and capped, and have no significant materials exposed to stormwater, are considered inactive and do not require permits.

8.K.3 Limitations on Coverage.

8.K.3.1 *Prohibition of Non-Stormwater Discharges.* (See also Part 1.1.4) The following are 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 that have come in direct contact with solid waste at the landfill facility.

8.K.3.2 *Limitations on Coverage for Facilities Providing Commercial TSDF Services.* For facilities located in Region 6 (see Appendix C) coverage is limited to hazardous waste TSDFs that are self-generating (including occasionally accepting wastes from community household hazardous waste collection events as public service), handle only residential wastes, and/or only store hazardous wastes and do not treat or dispose of them. Coverage under this permit is not available to commercial waste disposal and treatment facilities located in Region 6 that dispose and treat on a commercial basis any produced hazardous wastes (i.e., not their own) as a service to commercial or industrial generators.

8.K.4 Definitions.

8.K.4.1 *Contaminated stormwater* - stormwater that comes into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 8.K.4.5. Some specific areas of a landfill that may produce contaminated stormwater 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.

- 8.K.4.2 *Drained free liquids* - aqueous wastes drained from waste containers (e.g., drums) prior to landfilling.
- 8.K.4.3 *Landfill* - an area of land or an excavation in which wastes are placed for permanent disposal, but that is not a land application or land treatment unit, surface impoundment, underground injection well, waste pile, salt dome formation, salt bed formation, underground mine, or cave as these terms are defined in 40 CFR 257.2, 258.2, and 260.10.
- 8.K.4.4 *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 stormwater, 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 stormwater, and contact washwater from washing truck, equipment, and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility.
- 8.K.4.5 *Leachate* - liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.
- 8.K.4.6 *Non-contaminated stormwater* - stormwater that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 8.K.4.4. Non-contaminated stormwater includes stormwater that flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

8.K.5 Sector-Specific Benchmarks

Table 8.K-1 identifies benchmarks that apply to the specific subsectors of Sector K. These benchmarks apply to both your primary industrial activity and any co-located industrial activities, which describe your site activities.

Table 8.K-1.

Subsector (You may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark Monitoring Concentration
Subsector K1. ALL - Industrial Activity Code "HZ" (Note: permit coverage limited in some States). Benchmarks only applicable to discharges not subject to effluent limitations in 40 CFR Part 445 Subpart A (see below).	Ammonia	2.14 mg/L
	Total Magnesium	0.064 mg/L
	Chemical Oxygen Demand (COD)	120 mg/L
	Total Arsenic	0.15 mg/L
	Total Cadmium ¹	Hardness Dependent
	Total Cyanide	0.022 mg/L
	Total Lead ¹	Hardness Dependent
	Total Mercury	0.0014 mg/L
	Total Selenium	0.005 mg/L
	Total Silver ¹	Hardness Dependent

¹ The benchmark values of some metals are dependent on water hardness. For these parameters, permittees must determine the hardness of the receiving water (see Appendix J, "Calculating Hardness in Receiving Waters for Hardness Dependent Metals," for methodology), in accordance with Part 6.2.1.1, to identify the applicable 'hardness range' for determining their benchmark value applicable to their facility. The ranges occur in 25 mg/L increments. Hardness Dependent Benchmarks follow in the table below:

Water Hardness Range	Cadmium (mg/L)	Lead (mg/L)	Silver (mg/L)
0-25 mg/L	0.0005	0.014	0.0007
25-50 mg/L	0.0008	0.023	0.0007
50-75 mg/L	0.0013	0.045	0.0017
75-100 mg/L	0.0018	0.069	0.0030
100-125 mg/L	0.0023	0.095	0.0046
125-150 mg/L	0.0029	0.122	0.0065
150-175 mg/L	0.0034	0.151	0.0087
175-200 mg/L	0.0039	0.182	0.0112
200-225 mg/L	0.0045	0.213	0.0138
225-250 mg/L	0.0050	0.246	0.0168
250+ mg/L	0.0053	0.262	0.0183

8.K.6 Effluent Limitations Based on Effluent Limitations Guidelines (See also Part 6.2.2.1 of the permit.)

Table 8.K-2 identifies effluent limits that apply to the industrial activities described below. Compliance with these effluent limits is to be determined based on discharges from these industrial activities independent of commingling with any other wastestreams that may be covered under this permit.

Table 8.K-2¹

Industrial Activity	Parameter	Effluent Limit
Discharges from hazardous waste landfills subject to effluent limitations in 40 CFR Part 445 Subpart A (see footnote).	Biochemical Oxygen Demand (BOD ₅)	220 mg/L, daily maximum
		56 mg/L, monthly avg. maximum
	Total Suspended Solids (TSS)	88 mg/L, daily maximum
		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 maximum
		0.019 mg/L, monthly avg. maximum
	Aniline	0.024 mg/L, daily maximum
		0.015 mg/L, monthly avg. maximum
	Benzoic Acid	0.119 mg/L, daily maximum
		0.073 mg/L, monthly avg. maximum
	Naphthalene	0.059 mg/L, daily maximum
		0.022 mg/L, monthly avg. maximum
	p-Cresol	0.024 mg/L, daily maximum
		0.015 mg/L, monthly avg. maximum
	Phenol	0.048 mg/L, daily maximum
		0.029 mg/L, monthly avg. maximum
	Pyridine	0.072 mg/L, daily maximum
		0.025 mg/L, monthly avg. maximum
	Total Arsenic	1.1 mg/L, daily maximum
		0.54 mg/L, monthly avg. maximum
	Total Chromium	1.1 mg/L, daily maximum
0.46 mg/L, monthly avg. maximum		
Total Zinc	0.535 mg/L, daily maximum	
	0.296 mg/L, monthly avg. maximum	
pH	Within the range of 6-9 standard pH units (s.u.)	

¹ Monitor annually. As set forth at 40 CFR Part 445 Subpart A, these numeric limitations apply to contaminated stormwater 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 following facilities:

- (a) landfills operated in conjunction with other industrial or commercial operations when the landfill receives only 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 that 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 that 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.

Part 8 – Sector-Specific Requirements for Industrial Activity

Subpart L – Sector L – Landfills, Land Application Sites, and Open Dumps.

You must comply with Part 8 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities, as defined in Appendix A. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur. These sector-specific requirements are in addition to any requirements specified elsewhere in this permit.

8.L.1 Covered Stormwater Discharges.

The requirements in Subpart L apply to stormwater discharges associated with industrial activity from Landfills and Land Application Sites and Open Dumps as identified by the Activity Code specified under Sector L in Table D-1 of Appendix D of the permit.

8.L.2 Industrial Activities Covered by Sector L.

This permit may authorize stormwater 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. This permit does not cover discharges from landfills that receive only municipal wastes.

8.L.3 Limitations on Coverage.

8.L.3.1 *Prohibition of Non-Stormwater Discharges.* (See also Part 1.1.4) The following discharges are 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 that have come in direct contact with solid waste at the landfill facility.

8.L.4 Definitions.

8.L.4.1 *Contaminated stormwater* - stormwater that comes into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Some areas of a landfill that may produce contaminated stormwater 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.

8.L.4.2 *Drained free liquids* - aqueous wastes drained from waste containers (e.g., drums) prior to landfilling.

8.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 stormwater, 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 stormwater; and contact washwater from washing truck,

equipment, and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility.

- 8.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.
- 8.L.4.5 *Non-contaminated stormwater* - stormwater that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Non-contaminated stormwater includes stormwater that flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

8.L.5 Additional Technology-Based Effluent Limits.

- 8.L.5.1 *Preventive Maintenance Program*. (See also Part 2.1.2.3) As part of your preventive maintenance program, maintain the following: all elements of leachate collection and treatment systems, to prevent commingling of leachate with stormwater; 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.
- 8.L.5.2 *Erosion and Sedimentation Control*. (See also Part 2.1.2.5) Provide temporary stabilization (e.g., temporary seeding, mulching, and placing geotextiles on the inactive portions of stockpiles) for the following: materials stockpiled for daily, intermediate, and final cover; inactive areas of the landfill or open dump; landfills or open dump areas that have gotten final covers but where vegetation has yet to establish itself; and land application sites where waste application has been completed but final vegetation has not yet been established.
- 8.L.5.3 *Unauthorized Discharge Test Certification*. (See also Part 5.1.3.4) The discharge test and certification must also be conducted for the presence of leachate and vehicle washwater.

8.L.6 Additional SWPPP Requirements.

- 8.L.5.1 *Drainage Area Site Map*. (See also Part 5.1.2) Document in your SWPPP where any of the following may be exposed to precipitation or 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, and leachate collection and handling systems.
- 8.L.5.2 *Summary of Potential Pollutant Sources*. (See also Part 5.1.3) Document in your SWPPP the following sources and activities that have potential pollutants associated with them: fertilizer, herbicide, and pesticide application; earth and soil moving; waste hauling and loading or 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; and failure or leaks from leachate collection and treatment systems.

8.L.7 Additional Inspection Requirements. (See also Part 4)

8.L.7.1 Inspections of Active Sites. Except in arid and semi-arid climates, 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 and wastes that are exposed to precipitation, stabilization, and structural control measures; leachate collection and treatment systems; and locations where equipment and waste trucks enter and 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 arid or semi-arid, conduct inspections at least once every month.

8.L.7.2 Inspections of Inactive Sites. 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, leachate collection and treatment systems, and all closed land application areas.

8.L.8 Additional Post-Authorization Documentation Requirements.

8.L.8.1 Recordkeeping and Internal Reporting. Keep records with your SWPPP of 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.

8.L.9 Sector-Specific Benchmarks

Table 8.L-1 identifies benchmarks that apply to the specific subsectors of Sector L. These benchmarks apply to both your primary industrial activity and any co-located industrial activities, which describe your site activities.

Table 8.L-1.		
Subsector (You may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark Monitoring Concentration ¹
Subsector L1. All Landfill, Land Application Sites and Open Dumps (Industrial Activity Code "LF")	Total Suspended Solids (TSS)	100 mg/L
Subsector L2. 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 Iron	1.0 mg/L

¹Benchmark monitoring required only for discharges not subject to effluent limitations in 40 CFR Part 445 Subpart B (see Table L-2 above).

8.L.10. Effluent Limitations Based on Effluent Limitations Guidelines (See also Part 6.2.2.1 of the permit.)

Table 8.L-2 identifies effluent limits that apply to the industrial activities described below. Compliance with these effluent limits is to be determined based on discharges from these industrial activities independent of commingling with any other wastestreams that may be covered under this permit.

Industrial Activity	Parameter	Effluent Limit
Discharges from non-hazardous waste landfills subject to effluent limitations in 40 CFR Part 445 Subpart B.	Biochemical Oxygen Demand (BOD ₅)	140 mg/L, daily maximum
		37 mg/L, monthly avg. maximum
	Total Suspended Solids (TSS)	88 mg/L, daily maximum
		27 mg/L, monthly avg. maximum
	Ammonia	10 mg/L, daily maximum
		4.9 mg/L, monthly avg. maximum
	Alpha Terpineol	0.033 mg/L, daily maximum
		0.016 mg/L monthly avg. maximum
	Benzoic Acid	0.12 mg/L, daily maximum
		0.071 mg/L, monthly avg. maximum
	p-Cresol	0.025 mg/L, daily maximum
		0.014 mg/L, monthly avg. maximum
	Phenol	0.026 mg/L, daily maximum
		0.015 mg/L, monthly avg. maximum
	Total Zinc	0.20 mg/L, daily maximum
0.11 mg/L, monthly avg. maximum		
pH	Within the range of 6-9 standard pH units (s.u.)	

¹ Monitor annually. As set forth at 40 CFR Part 445 Subpart B, these numeric limitations apply to contaminated stormwater discharges from MSWLFs that have not been closed in accordance with 40 CFR 258.60, and to contaminated stormwater discharges from those landfills that are subject to the provisions of 40 CFR Part 257 except for discharges from any of the following facilities:

- (a) landfills operated in conjunction with other industrial or commercial operations, when the landfill receives only 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 that 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 that the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;
- (c) landfills operated in conjunction with 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.

Part 8 – Sector-Specific Requirements for Industrial Activity

Subpart N – Sector N – Scrap Recycling and Waste Recycling Facilities.

You must comply with Part 8 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities, as defined in Appendix A. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur. These sector-specific requirements are in addition to any requirements specified elsewhere in this permit.

8.N.1 Covered Stormwater Discharges.

The requirements in Subpart N apply to stormwater discharges associated with industrial activity from Scrap Recycling and Waste Recycling facilities as identified by the SIC Code specified under Sector N in Table D-1 of Appendix D of the permit.

8.N.2 Limitation on Coverage.

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, and aluminum and tin cans). This includes recycling facilities commonly referred to as material recovery facilities (MRF).

8.N.2.1 *Prohibition of Non-Stormwater Discharges.* (See also Part 1.1.4) Non-stormwater discharges from turnings containment areas are not covered by this permit (see also Part 8.N.3.2.3). Discharges from containment areas in the absence of a storm event are prohibited unless covered by a separate NPDES permit.

8.N.3 Additional Technology-Based Effluent Limits.

8.N.3.1 *Scrap and Waste Recycling Facilities (Non-Source Separated, Nonliquid Recyclable Materials).* Requirements for facilities that receive, process, and do wholesale distribution of nonliquid recyclable wastes (e.g., ferrous and nonferrous metals, plastics, glass, cardboard, and paper). These facilities may receive both nonrecyclable and recyclable materials. This section is not intended for those facilities that accept recyclables only from primarily non-industrial and residential sources.

8.N.3.1.1 *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. Following are some control measure options: (a) provide information and 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) and removal of mercury switches from vehicles before delivery to your facility; (b) establish procedures to minimize the potential of any residual fluids from coming into contact with precipitation or runoff; (c) establish 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 Part 8.N.3.2.6); (d) provide training targeted for those personnel engaged in the inspection and acceptance of inbound recyclable materials; and (e) establish procedures to ensure that liquid wastes, including used oil, are stored in materially compatible and non-leaking containers and are disposed of or recycled in accordance with the Resource Conservation and Recovery Act (RCRA).

- 8.N.3.1.2 *Scrap and Waste Material Stockpiles and Storage (Outdoor)*. Minimize contact of stormwater runoff with stockpiled materials, processed materials, and nonrecyclable wastes. Following are some control measure options: (a) permanent or semi-permanent covers; (b) sediment traps, vegetated swales and strips, catch basin filters, and sand filters to facilitate settling or filtering of pollutants; (c) dikes, berms, containment trenches, culverts, and surface grading to divert runoff from storage areas; (d) silt fencing; and (e) oil and water separators, sumps, and dry absorbents for areas where potential sources of residual fluids are stockpiled (e.g., automobile engine storage areas).
- 8.N.3.1.3 *Stockpiling of Turnings Exposed to Cutting Fluids (Outdoor Storage)*. Minimize contact of surface runoff with residual cutting fluids by: (a) storing all turnings exposed to cutting fluids under some form of permanent or semi-permanent cover, or (b) establishing dedicated containment areas for all turnings that have been exposed to cutting fluids. Any containment areas must be constructed of concrete, asphalt, or other equivalent types of impermeable material and include a barrier (e.g., berms, curbing, elevated pads) to prevent contact with stormwater run-on. Stormwater runoff from these areas can be discharged, provided that any runoff is first collected and treated by an oil and water separator or its equivalent. You must regularly maintain the oil and water separator (or its equivalent) and properly dispose of or recycle collected residual fluids.
- 8.N.3.1.4 *Scrap and Waste Material Stockpiles and Storage (Covered or Indoor Storage)*. Minimize contact of residual liquids and particulate matter from materials stored indoors or under cover with surface runoff. Following are some control measure options: (a) good housekeeping measures, including the use of dry absorbents or wet vacuuming to contain, dispose of, or recycle residual liquids originating from recyclable containers, or mercury spill kits for spills from storage of mercury switches; (b) not allowing washwater from tipping floors or other processing areas to discharge to the storm sewer system; and (c) disconnecting or sealing off all floor drains connected to the storm sewer system.
- 8.N.3.1.5 *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.). Following are some control measure options: (a) regularly

inspect equipment for spills or leaks and malfunctioning, worn, or corroded parts or equipment; (b) establish a preventive maintenance program for processing equipment; (c) use dry-absorbents or other cleanup practices to collect and dispose of or recycle spilled or leaking fluids or use mercury spill kits for spills from storage of mercury switches; (d) on unattended hydraulic reservoirs over 150 gallons in capacity, install protection devices such as low-level alarms or equivalent devices, or secondary containment that can hold the entire volume of the reservoir; (e) containment or diversion structures such as dikes, berms, culverts, trenches, elevated concrete pads, and grading to minimize contact of stormwater runoff with outdoor processing equipment or stored materials; (f) oil and water separators or sumps; (g) permanent or semi-permanent covers in processing areas where there are residual fluids and grease; (h) retention or detention ponds or basins; sediment traps, and vegetated swales or strips (for pollutant settling and filtration); (i) catch basin filters or sand filters.

8.N.3.1.6 *Scrap Lead-Acid Battery Program*. Properly handle, store, and dispose of scrap lead-acid batteries. Following are some control measure options (a) segregate scrap lead-acid batteries from other scrap materials; (b) properly handle, store, and dispose of cracked or broken batteries; (c) collect and dispose of leaking lead-acid battery fluid; (d) minimize or eliminate (if possible) exposure of scrap lead-acid batteries to precipitation or runoff; and (e) provide employee training for the management of scrap batteries.

8.N.3.1.7 *Spill Prevention and Response Procedures*. (See also Part 2.1.2.4) Install alarms and/or pump shutoff 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. Use a mercury spill kit for any release of mercury from switches, anti-lock brake systems, and switch storage areas.

8.N.3.1.8 *Supplier Notification Program*. As appropriate, notify major suppliers which scrap materials will not be accepted at the facility or will be accepted only under certain conditions.

8.N.3.2 Waste Recycling Facilities (Liquid Recyclable Materials).

8.N.3.2.1 *Waste Material Storage (Indoor)*. Minimize or eliminate contact between residual liquids from waste materials stored indoors and from surface runoff. The plan may refer to applicable portions of other existing plans, such as Spill Prevention, Control, and Countermeasure (SPCC) plans required under 40 CFR Part 112. Following are some control measure options (a) procedures for material handling (including labeling and marking); (b) clean up spills and leaks with dry absorbent materials, a wet vacuum system; (c) appropriate containment structures (trenching, curbing, gutters, etc.); and (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 or 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.

- 8.N.3.2.2 *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. Following are some control measure 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) corrosion protection and/or leak detection systems for storage tanks; and (d) dry-absorbent materials or a wet vacuum system to collect spills.
- 8.N.3.2.3 *Trucks and Rail Car Waste Transfer Areas*. Minimize pollutants in discharges from truck and rail car loading and unloading areas. Include measures to clean up minor spills and leaks resulting from the transfer of liquid wastes. Following are two control measure options: (a) containment and diversionary structures to minimize contact with precipitation or runoff, and (b) dry clean-up methods, wet vacuuming, roof coverings, or runoff controls.
- 8.N.3.3 *Recycling Facilities (Source-Separated Materials)*. The following identifies considerations for facilities that receive only source-separated recyclables, primarily from non-industrial and residential sources.
- 8.N.3.3.1 *Inbound Recyclable Material Control*. Minimize the chance of accepting nonrecyclables (e.g., hazardous materials) that could be a significant source of pollutants by conducting inspections of inbound materials. Following are some control measure options: (a) providing information and education measures to inform suppliers of recyclables about acceptable and non-acceptable materials, (b) training drivers responsible for pickup of recycled material, (c) clearly marking public drop-off containers regarding which materials can be accepted, (d) rejecting nonrecyclable wastes or household hazardous wastes at the source, and (e) establishing procedures for handling and disposal of nonrecyclable material.
- 8.N.3.3.2 *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. Following are some control measure options (a) provide totally enclosed drop-off containers for the public; (b) install a sump and 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, and roll-off boxes;

and (f) store the equivalent of one day's volume of recyclable material indoors.

8.N.3.3.3 *Indoor Storage and Material Processing.* Minimize the release of pollutants from indoor storage and processing areas. Following are some control measure 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, and (c) provide employee training on pollution prevention practices.

8.N.3.3.4 *Vehicle and Equipment Maintenance.* Following are some control measure options for areas where vehicle and equipment maintenance occur 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, and (g) provide employee training on proper handling and storage of hydraulic fluids and lubricants.

8.N.4 Additional SWPPP Requirements.

8.N.4.1 *Drainage Area Site Map.* (See also Part 5.1.2) Document in your SWPPP the locations of any of the following activities or sources that may be exposed to precipitation or surface runoff: scrap and waste material storage, outdoor scrap and waste processing equipment; and containment areas for turnings exposed to cutting fluids.

8.N.4.2 *Maintenance Schedules/Procedures for Collection, Handling, and Disposal or Recycling of Residual Fluids at Scrap and Waste Recycling Facilities.* If you are subject to Part 8.N.3.1.3, your SWPPP must identify any applicable maintenance schedule and the procedures to collect, handle, and dispose of or recycle residual fluids.

8.N.5 Additional Inspection Requirements.

8.N.5.1 *Inspections for Waste Recycling Facilities.* The inspections must be performed quarterly, pursuant to Part 4.1, and include, at a minimum, all areas where waste is generated, received, stored, treated, or disposed of and that are exposed to either precipitation or stormwater runoff.

8.N.6 Sector-Specific Benchmarks. (See also Part 6 of the permit.)

Table 8.N-1.

Subsector (You may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark Monitoring Concentration
Subsector N1. Scrap Recycling and Waste Recycling Facilities except Source-Separated Recycling (SIC 5093)	Chemical Oxygen Demand (COD)	120 mg/L
	Total Suspended Solids (TSS)	100 mg/L
	Total Recoverable Aluminum	0.75 mg/L
	Total Recoverable Copper ¹	Hardness Dependent
	Total Recoverable Iron	1.0 mg/L
	Total Recoverable Lead ¹	Hardness Dependent
	Total Recoverable Zinc ¹	Hardness Dependent

¹ The benchmark values of some metals are dependent on water hardness. For these parameters, permittees must determine the hardness of the receiving water (see Appendix J, "Calculating Hardness in Receiving Waters for Hardness Dependent Metals," for methodology), in accordance with Part 6.2.1.1, to identify the applicable 'hardness range' for determining their benchmark value applicable to their facility. The ranges occur in 25 mg/L increments. Hardness Dependent Benchmarks follow in the table below:

Water Hardness Range	Copper (mg/L)	Lead (mg/L)	Zinc (mg/L)
0-25 mg/L	0.0038	0.014	0.04
25-50 mg/L	0.0056	0.023	0.05
50-75 mg/L	0.0090	0.045	0.08
75-100 mg/L	0.0123	0.069	0.11
100-125 mg/L	0.0156	0.095	0.13
125-150 mg/L	0.0189	0.122	0.16
150-175 mg/L	0.0221	0.151	0.18
175-200 mg/L	0.0253	0.182	0.20
200-225 mg/L	0.0285	0.213	0.23
225-250 mg/L	0.0316	0.246	0.25
250+ mg/L	0.0332	0.262	0.26

Appendix D

NPDES Corrective Action Report

NPDES MSGP CORRECTIVE ACTION REPORT

Name of Facility: _____ Date of Inspection: _____

Date of Notification to ENV-RCRA: _____

Responsible FOD (Name & Org): _____

Describe Specific Evaluation Location: _____

Was This Issue Corrected on the Spot? _____

Were Any Corrective Actions Initiated or Completed? (Yes or No w/ explanation): _____

Name of Inspector (name, org, email): _____

D. CORRECTIVE ACTIONS			
Complete this page for each specific condition requiring a corrective action or a review determining that no corrective action is needed. Copy this page for additional corrective actions or reviews.			
Include both corrective actions that have been initiated or completed since the last annual report, and future corrective actions needed to address problems identified in this comprehensive stormwater inspection. Include an update on any outstanding corrective actions that had not been completed at the time of your previous annual report.			
1. Corrective Action #	1	of	? for this reporting period.
2. Is this corrective action:			
<input type="checkbox"/> An update on a corrective action from a previous annual report; or			
<input type="checkbox"/> A new corrective action?			
3. Identify the condition(s) triggering the need for this review:			
<input type="checkbox"/> Unauthorized release or discharge (e.g., spill, leak or discharge of non-storm water) (Section 3.1)			
<input type="checkbox"/> Numeric effluent limitation exceedance			
<input type="checkbox"/> Control measures (BMPs or other method) inadequate to meet applicable water quality standards (Section 2)			
<input type="checkbox"/> Control measures (BMPs or other method) inadequate to meet non-numeric effluent limitations (Section 2)			
<input type="checkbox"/> Control measures (BMPs or other method) not properly operated or maintained (Section 2)			
<input type="checkbox"/> Change in facility operations necessitated change in control measures (Section 3.2)			
<input type="checkbox"/> Average benchmark value exceedance (Section 3.2)			
<input type="checkbox"/> Other (describe): _____			
4. Briefly describe the nature of the problem identified:			
5. Date problem identified:			
6. How problem was identified:			
<input type="checkbox"/> Comprehensive site inspection			
<input type="checkbox"/> Quarterly visual assessment			
<input type="checkbox"/> Routine facility inspection			
<input type="checkbox"/> Benchmark monitoring			
<input type="checkbox"/> Notification by EPA or State or local authorities			
<input type="checkbox"/> Other (describe): _____			
7. Description of corrective action(s) taken or to be taken to eliminate or further investigate the problem (e.g., describe modifications or repairs to control measures, analyses to be conducted, etc.) or if no modifications are needed, basis for that determination:			
8. List any BMPs to be put in place prior to the next anticipated storm event.			
9. Did/will this corrective action require modification of your SWPPP? YES/NO			
10. Date corrective action initiated:			Pending
11. Date correction action completed:	mm/dd/yyyy	or expected to be completed:	mm/dd/yyyy

12. If corrective action not yet completed, provide the status of corrective action at the time of the comprehensive site inspection and describe any remaining steps(including timeframes associated with each step) necessary to complete corrective action:

Appendix E

EPA NOI



U.S. ENVIRONMENTAL PROTECTION
AGENCY (EPA)
NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES)
EPA's NOI PROCESSING CENTER



12/19/2008

Company: LOS ALAMOS NATIONAL SECURITY,
LLC

ATTN: VICTORIA A GEORGE

PO Box 1663 MS K490

Los Alamos, NM 87545

Permit Number: NMR05GB21

Facility: LOS ALAMOS NATIONAL
LABORATORY

PO Box 1663 MS K490

Los Alamos, NM 87545

This email/letter acknowledges that you have submitted a complete Notice of Intent form to be covered under the NPDES General Permit for Stormwater Discharges for Multi-Sector General Permit Activity (Multi-Sector General Permit). Coverage under this permit begins at the conclusion of your thirty-day waiting period, on 01/18/2009.

As stated above, this letter acknowledges receipt of a complete Notice of Intent. However, it is not an EPA determination of the validity of the information you provided. Your eligibility for coverage under the Permit is based on the validity of the certification you provided. Your signature on the Notice of Intent certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you correctly determine whether you are eligible for coverage under this permit.

As you know, the Multi-Sector General Permit requires you to have developed and begun implementing a Stormwater Pollution Prevention Plan (SWPPP) and outlines important inspection and record keeping requirements. You must also comply with any additional location-specific requirements applicable to your state or tribal area. A copy of the Multi-Sector General Permit must be kept with your SWPPP. An electronic copy of the Permit and additional guidance materials can be viewed and downloaded at www.epa.gov/npdes/stormwater.

For tracking purposes, the following number has been assigned to your Notice of Intent Form:
NMR05GB21.

If you have general questions regarding the stormwater program or your responsibilities under the Multi-Sector General Permit, please call

EPA Region 6

Brent Larsen (214) 665-7523

If you have questions about your Notice of Intent form, please call the EPA NOI Processing Center at 1-866-352-7755 (toll free) or send an inquiry via the online form at <http://www.epa.gov/npdes/noicontact>.

Next time, you can use the eNOI system (<[a href="http://www.epa.gov/npdes">http://www.epa.gov/npdes](http://www.epa.gov/npdes)) to apply for a Notice of Intent.

EPA NOI Processing Center
Operated by Avanti Corporation
1200 Pennsylvania Ave., NW
Mail Code: 4203M
Washington, DC 20460
1-866-352-7755



Submission of this completed Notice of Intent (NOI) constitutes notice that the operator identified in Section B of this form requests authorization to discharge pollutants to waters of the United States from the facility or site identified in Section C under EPA's NPDES Stormwater Multi-Sector General Permit (MSGP) for industrial stormwater. Submission of this NOI constitutes your notice to EPA that the facility identified in Section C of this form meets the eligibility conditions of Part 1.1 of the MSGP. Please read and make sure you comply with all eligibility requirements, including the requirement to prepare a stormwater pollution prevention plan. Refer to the instructions at the end of this form to complete your NOI.

A. Permit Number: NM R 050000 (see Appendix C of the MSGP for the list of eligible permit numbers) **Tracking Number (EPA Use Only):** NMR05GB21

B. Facility Operator Information

1. Name: LOS ALAMOS NATIONAL SECURITY, L
 2. IRS Employer Identification Number (EIN): 20 - 3104541
 3. Mailing Address:
 a. Street: PO BOX 1663 MS K490
 b. City: LOS ALAMOS c. State: NM d. Zip Code: 87545
 e. Phone: 505 - 665 - 2397 f. Fax (optional): _____ g. E-mail: TLEMKE@LANL.GOV

C. Facility Information

1. Facility Name: LOS ALAMOS NATIONAL LABORATORY
 2. Have stormwater discharges from your site been covered previously under an NPDES permit? YES NO
 a. If yes, provide the Tracking Number if you had coverage under EPA's MSGP 2000 or the NPDES permit number if you had coverage under an EPA individual permit. NMR05A734
 b.1 If no, was your facility in operation and discharging stormwater prior to October 30, 2005? YES NO
 b.2 If no to C.2.b.1, did your facility commence discharging after October 30, 2005 and before January 5, 2009? YES NO
 3. Location Address:
 a. Street: PO BOX 1663 MS K490
 b. City: LOS ALAMOS
 c. County or similar government subdivision: LOS ALAMOS d. State: NM e. Zip Code: 87545
 f. Latitude: (use any one of the three formats provided.)
 1. _____° _____' _____" N (degrees, minutes, seconds)
 2. _____° _____' N (degrees, minutes, decimal)
 3. 35.8739° N (degrees decimal)
 g. Longitude: (use any of these 3 formats)
 1. _____° _____' _____" W (degrees, minutes, seconds)
 2. _____° _____' W (degrees, minutes, decimal)
 3. 106.3189° W (degrees decimal)
 h. Lat/Long Data Source: USGS topographic map EPA web site GPS Other: _____
 If you used a USGS topographic map, what was the scale? _____
 4. Estimated area of industrial activity at your site exposed to stormwater: 166 (acres)
 5. Is this a federal facility? YES NO
 6. Is your facility located on Indian Country lands? YES NO
 If yes, name of reservation, or if not part of a reservation, put "Not Applicable:" _____

D. Discharge Information

1. Does your facility discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? YES NO

If yes, name of MS4 operator: _____

2. Receiving Waters and Wetlands (Note: If additional space is needed for this question, fill out Attachment 1.)

a. What is the name(s) of your receiving water(s) that receive stormwater directly and/or through an MS4? If your receiving water is impaired then identify the name of the impaired segment, if applicable, in parentheses following the receiving water name.	b. Are any of your discharges directly into any segment of an "impaired" water? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If you answered yes to question D.2.b, then answer the following three questions:		
		b.1. What pollutant(s) are causing the impairment?	b.2. Are the pollutant(s) causing the impairment present in your discharge? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	b.3. Has a TMDL been completed for the pollutant(s) causing the impairment? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Ancho Canyon	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canon De Valle	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Aluminum	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canon De Valle	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Gross Alpha	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canon De Valle	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Lead	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canon De Valle	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Selenium	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canada Del Buey	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Aluminum	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canada Del Buey	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Gross Alpha	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canada Del Buey	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Radium 226	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Canada Del Buey	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Radium 228	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Ten Site-Mortandad Canyon	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Aluminum	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

3. Water Quality Standards (for new dischargers only)

a. Are any of your discharges into any portion of a receiving water designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water)? YES NO

b. Has the receiving water(s) been designated by the state or tribal authority under its antidegradation policy as a Tier 3 water (Outstanding Natural Resource Water)? YES NO

4. Federal Effluent Limitation Guidelines and Sector-Specific Requirements

a. Are you requesting permit coverage for any stormwater discharges subject to effluent limitation guidelines? YES NO

b. If yes, which effluent limitation guidelines apply to your stormwater discharges?

40 CFR Part/Subpart	Eligible Discharges	Affected MSGP Sector	Check if Applicable
Part 411, Subpart C	Runoff from material storage piles at cement manufacturing facilities	E	<input type="checkbox"/>
Part 418 Subpart A	Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	C	<input type="checkbox"/>
Part 423	Coal pile runoff at steam electric generating facilities	O	<input type="checkbox"/>
Part 429, Subpart I	Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	A	<input type="checkbox"/>
Part 436, Subpart B, C, or D	Mine dewatering discharges at crushed stone mines, construction sand and gravel mines, or industrial sand mines	J	<input type="checkbox"/>
Part 443, Subpart A	Runoff from asphalt emulsion facilities	D	<input checked="" type="checkbox"/>
Part 445, Subparts A & B	Runoff from hazardous waste and non-hazardous waste landfills	K, L	<input type="checkbox"/>

c. If you are a Sector S (Air Transportation) facility, do you anticipate using 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? YES NO

5. Identify the 4-digit Standard Industrial Classification (SIC) code or 2-letter Activity Code that best represents the products produced or services rendered for which your facility is primarily engaged, as defined in MSGP:

Primary SIC Code: 2951 OR Primary Activity Code

6. Identify the applicable sector(s) and subsector(s) of industrial activity, including co-located industrial activity, for which you are requesting permit coverage

a. Sector AA Subsector 1 b. Sector AA Subsector 1 c. Sector AA Subsector 1
 d. Sector AA Subsector 1 e. Sector AA Subsector 1 f. Sector D Subsector 2

7.a. Is your site presently inactive and unstaffed? YES NO

b1. If yes, is your site expected to be inactive and unstaffed for the entire permit term? YES NO

b2. If you select "no" in 7.b1 above, then indicate the length of time that you expect your facility to be inactive and unstaffed _____

E. Stormwater Pollution Prevention Plan (SWPPP) Contact Information

1a. SWPPP Contact Name:

T i m Z i m m e r l y

b. Phone:

5 0 5 - 6 6 4 - 0 1 0 5

Ext.

c. E-mail:

tzimmer@lanl.gov

2. URL of SWPPP (if applicable):

F. Endangered Species Protection

1. Using the instructions in Appendix E of the MSGP, under which criterion listed in Part 1.1.4.5 are you eligible for coverage under this permit?

- A B C D E F

2. If you select criterion E from Part 1.1.4.5:

a. What federally-listed species or federally-designated critical habitat are in your "action area?"

b. List the pollutants expected to be present in your discharge

c. If you are an existing discharger, do you have effluent monitoring data from EPA's MSGP 2000, or another previous NPDES permit? YES NO

c.1 If no, why not? No monitoring required for my sector Inactive/unstaffed site Other

c.2 Do you have any other data characterizing pollutants in your stormwater (describe)?

c.3 If you have benchmark monitoring data, did you exceed any of the applicable benchmarks? YES NO

c.4 Did you exceed any applicable effluent limitation guideline or cause or contribute to an exceedance of a State or Tribal water quality standard? YES NO

c.5 If you answered "yes" to either question F.2.c.3 or F.2.c.4 above, for what pollutant(s)?

3. If you select criterion F from Part 1.1.4.5, provide the operator's NPDES Tracking Number under which you are certifying eligibility:

G. Historic Preservation

Using the instructions in Appendix F of the MSGP, under which criterion listed in Part 1.1.4.6 are you eligible for coverage under this permit?

- A B C D

H. Certifier Name and Title

I certify under penalty of law that I meet the eligibility conditions of this permit and that 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, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Print Name: V I C T O R I A A G E O R G E

Title: E N V I R O N M E N T A L S T E W A R D S H I P D I V I S I O N

Signature: V I C T O R I A A G E O R G E

Date: 1 2 1 9 0 8

E-mail: T O R I G @ L A N L . G O V

NOI Preparer (Complete if NOI was prepared by someone other than the certifier)

Prepared by: T i m Z i m m e r l y

Organization: L o s A l a m o s N a t i o n a l L a b o r a t o r y

Phone: 5 0 5 - 6 6 4 - 0 1 0 5 Ext. E-mail: tzimmer@lanl.gov

Instructions for Completing the Notice of Intent for Stormwater Discharges Associated with INDUSTRIAL ACTIVITY under the Multi-Sector General Permit (MSGP)

NOI Submittal Deadlines/Discharge Authorization Dates		
Category	NOI Deadline	Discharge Authorization Date ¹
Existing Dischargers - in operation as of October 30, 2005 and authorized for coverage under MSGP 2000.	No later than January 5, 2009.	30 days after EPA posts your NOI. Your authorization under the MSGP 2000 is automatically continued until you have been granted coverage under this permit or an alternative permit, or coverage is otherwise terminated.
New Dischargers or New Sources - have commenced discharging between October 30, 2005 and January 5, 2009.	As soon as possible but no later than January 5, 2009.	30 days after EPA posts your NOI.
New Dischargers or New Sources - commence discharging after January 5, 2009.	A minimum of 60 days prior to commencing operation of the facility, or a minimum of 30 days if your SWPPP is posted on the Internet during this period and the Internet address (i.e., URL) to your SWPPP is provided on the NOI form.	If you post your SWPPP on the Internet, 30 days after EPA posts your NOI. Otherwise, 60 days after EPA posts your NOI.
New Owner/Operator of Existing Discharger - transfer of ownership and/or operation of a facility whose discharge is authorized under this permit	A minimum of 30 days prior to date that the transfer will take place to the new owner/operator.	30 days after EPA posts your NOI.
Other Eligible Dischargers - in operation prior to October 30, 2005 but not covered under the MSGP 2000 or another NPDES permit.	Immediately, to minimize the time discharges from the facility will continue to be unauthorized.	If you post your SWPPP on the Internet, 30 days after EPA posts your NOI. Otherwise, 60 days after EPA posts your NOI.

¹Based on a review of your NOI or other information, EPA may delay your authorization for further review, notify you that additional effluent limitations are necessary, or may deny coverage under this permit and require submission of an application for an individual NPDES permit, as detailed in MSGP Part 1.6. In these instances, EPA will notify you in writing of the delay or the request for submission of an individual NPDES permit application. EPA will post these NOIs on its website at www.epa.gov/npdes/enoi.

Who Must File a Notice of Intent with EPA?

Under section 402(p) of the Clean Water Act (CWA) and regulations at 40 CFR Part 122, stormwater discharges associated with industrial activity are prohibited to waters of the United States unless authorized under a National Pollutant Discharge Elimination System (NPDES) permit. You can obtain coverage under the MSGP by submitting a completed NOI if you operate a facility:

- that is located in a jurisdiction where EPA is the permitting authority, listed in Appendix C of the MSGP,
- that discharges stormwater associated with industrial activities, identified in Appendix D of the MSGP,
- that meets the eligibility requirements in Part 1.1 of the permit,
- that develops a stormwater pollution prevention plan (SWPPP) in accordance with Part 5 of the MSGP; and
- that installs and implements control measures in accordance with Part 2 to meet numeric and non-numeric effluent limits.

If you are unsure if you need an NPDES stormwater permit, contact your EPA or State NPDES stormwater permit program. Contacts are listed at www.epa.gov/npdes/stormwatercontacts.

One NOI must be submitted for each facility or site for which you are seeking permit coverage. You do not need to submit separate NOIs for each type of industrial activity present at your facility, provided your SWPPP covers all activities.

When to File the NOI Form

Do not file your NOI until you have obtained and thoroughly read a copy of the MSGP. A copy of the MSGP is located on the EPA website (www.epa.gov/npdes/stormwater/msgp). The MSGP describes procedures to ensure your eligibility, prepare your SWPPP, install and implement appropriate stormwater control measures, and complete the NOI form questions – all of which must be done before you sign the NOI certification statement attesting to the

accuracy and completeness of your NOI. You will also need a copy of the MSGP once you have obtained coverage so that you can comply with the implementation requirements of the permit.

Where to File the NOI Form

EPA encourages you to complete the NOI form electronically via the Internet. EPA's Electronic Notice of Intent System (eNOI) can be found at www.epa.gov/npdes/enoi. Filing electronically is the fastest way to obtain permit coverage and help ensure that your NOI is complete. If you choose not to file electronically, you must send the NOI to one of the addresses listed below.

NOIs sent regular mail:

Stormwater Notice Processing Center (4203M)
USEPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

NOIs sent overnight/express mail:

Stormwater Notice Processing Center
EPA East Building, Rm. 7420
1201 Constitution Avenue, NW
Washington, DC 20004
202-564-9545

If you have questions, please contact EPA's Stormwater Notice Processing Center toll free at (866) 352-7755.

- If you file a paper NOI, please submit the original with a signature in ink – Do Not Send Copies. Also, faxed copies will not be accepted.
- Your SWPPP does not need to be submitted for review unless specifically requested by EPA or as otherwise required in Part 9 of the MSGP (State, Territory, and Tribal requirements). You must keep a copy of your SWPPP on-site or otherwise make it available to facility personnel responsible for implementing provisions of the permit.

Completing the NOI Form

To complete this form, type or print in uppercase letters in the appropriate areas only. Please make sure you complete all questions. Make sure you make a photocopy for your records before you send the completed original form to the address above. You may also use this paper form as a checklist for the information you will need when filing an NOI electronically via EPA's eNOI system

Section A. Permit Number

Appendix C of the MSGP 2008 contains a list of geographic areas covered by the permit. If your facility is located in one of the listed areas, include the appropriate permit number in this section. (For example, if your facility is located in Massachusetts, and not on Indian Lands, you would write MAR05000C in this space.) If your facility is located in an area not covered by the MSGP, please contact your EPA Region, state or territorial NPDES stormwater coordinator (see www.epa.gov/npdes/stormwatercontacts for a list of contacts).

Section B. Facility Operator Information

1. Provide the legal name of the person, firm, public organization or any other public entity that operates the facility described in this application. An operator of a facility is a legal entity that controls the operation of the facility.
2. Provide the Employer Identification Number (EIN from the Internal Revenue Service (IRS)), commonly referred to as your taxpayer ID number. If the operator does not have an EIN, enter "NA" in the space provided.
3. Provide the operator's mailing address, telephone number, fax number (optional), and email address. Correspondence will be sent to this address.

Section C. Facility Information

1. Enter the facility's official or legal name. Unless the name of your facility has changed, please use the same name provided on prior NOIs or permit applications. You can use EPA's NOI Search website (www.epa.gov/npdes/noisearch) to view your previous NOI.
2. Indicate if industrial stormwater discharges from your facility were previously covered by an NPDES permit.
 - 2a. If your facility was covered by EPA's MSGP-2000, please include the tracking number that you received in your confirmation letter or email from EPA's Stormwater Notice Processing Center. You can find the tracking number assigned to your previous NOI on EPA's NOI Search website (www.epa.gov/npdes/noisearch).
 - 2b1. If your facility was not previously covered by an NPDES permit and discharged industrial stormwater, then indicate if it was in operation before October 30, 2005 and not covered under the MSGP 2000. If you select "yes" to this question then you have a 30 day waiting period before you are authorized to discharge.
 - 2b2. If you select "no" in C.2.b.1, then indicate if your facility discharged stormwater between October 30, 2005 and January 5, 2009. If you select "yes" to this

question then you have a 30 day waiting period before you are authorized to discharge. If you select "no" to this question and you post your SWPPP on the Internet and provide EPA the URL in E.2, then you have a 30 day waiting period before you are authorized to discharge. If you select "no" to this question, but do not post your SWPPP on the Internet and therefore do not answer E.2, then you have a 60 day waiting period before you are authorized to discharge.

- 3.a-e. Enter the street address, including city, state, zip code, county or similar government subdivision of the actual physical location of the facility. Do not use a P.O. Box.
- 3.f.g. Provide the facility latitude and longitude in one of three formats: (1) degrees, minutes, seconds; (2) degrees, minutes, decimal; or (3) degrees decimal. You can obtain your facility's latitude and longitude through Global Positioning System (GPS) receivers, U.S. Geological Survey (USGS) quadrangle or topographic maps, and EPA's web-based siting-tools, among other methods. Refer to www.epa.gov/npdes/stormwater/msgp for guidance on the use of these methods. For consistency, EPA requests you take measurements from the location of your facility's stormwater outfall. Outfalls are locations where the stormwater exits the facility, including pipes, ditches, swales, and other structures that transport stormwater. If there is more than one outfall present, measure at the primary outfall (i.e., the outfall with the largest volume of stormwater discharge associated with industrial activity).
- 3.h. Identify the data source that you used to determine the facility latitude and longitude. If you did not use a USGS quadrangle or topographic map, the EPA website, or GPS receivers, then select "Other" and write the method used on the line provided. If you used a USGS quadrangle or topographic map, write the map scale on the line provided. Scale should be identified on the map.
4. Enter the estimated area of industrial activity at your site exposed to stormwater, in acres.
5. Indicate if the facility is considered a "federal facility" - Federal facilities include any buildings, installations, structures, land, public works, equipment, aircraft, vessels, and other vehicles and property, owned or leased by the federal government.
6. Indicate whether the facility is located in Indian Country, and, if so, provide the name of the reservation, if applicable.

Section D. Discharge Information

1. Indicate whether stormwater from your site will be discharged into a municipal separate storm sewer system (MS4). An MS4 is a conveyance or system of conveyances, including roads with drainage systems, municipal streets, catch basins, storm drains, curbs and gutters, ditches and man-made channels, owned or operated by a state, city, town, borough, county, parish, district, association or other public body, used to collect or convey stormwater. If you check "Yes" then identify the name of the MS4 operator on the line provided. If you are uncertain of the MS4 operator, contact your local government for that information. MS4s are different than combined sewers, which are designed to convey both stormwater and sanitary wastewater. Discharges to combined sewers do not require an NPDES permit but may be subject to other CWA requirements (contact the combined sewer operator for more information).
2. Enter information regarding your discharge. If additional space is needed fill out Attachment 1.
- 2a. Indicate in column "a" of the table the name(s) of the receiving water(s) into which stormwater from your facility will discharge. Also provide in parentheses the name of the impaired water (and segment, if applicable) into which your stormwater is discharged. If you identified more than one receiving water for your facility, indicate the first receiving water and complete question 2b and 2.b.1-3 (if applicable), before entering the next receiving water. The EPA's Water Locator Tool can help you identify the closest receiving water to your facility (www.epa.gov/npdes/msgp). Your receiving water may be a lake, stream, river, ocean, wetland or other waterbody, and may or may not be located adjacent to your facility. Your stormwater may discharge directly to the receiving water or indirectly via a storm sewer system, an open drain or ditch, or other conveyance structure. Do NOT list a man-made conveyance, such as a storm sewer system, as your receiving water. Indicate the first receiving water your stormwater discharge enters. For example, if your discharge enters a storm sewer system, that empties into Trout Creek, which flows into Pine River, your receiving water is Trout Creek, because it is the first waterbody your discharge will reach. Similarly, a discharge into a ditch that feeds Spring Creek should be identified as "Spring Creek" since the ditch is a manmade conveyance. If you discharge into a municipal separate storm sewer system (MS4), you must identify the waterbody into which that portion of the storm sewer discharges. That information should be readily available from the operator of the MS4.
- 2b. Indicate in column "b" of the table whether you discharge directly to an impaired water (lake, stream segment, estuary, etc), listed as "impaired" under section 303(d) of the Clean Water Act. Each state water quality agency maintains a list of waters that are impaired. Most state agencies publish these lists online. The EPA's Water Locator Tool may also help you identify if the nearest receiving water is impaired (www.epa.gov/npdes/msgp). If you discharge into a stream

segment that is upstream of a listed impaired water but which is not itself on the State's impaired waters list, answer "no" to this question. In this case, requirements in the MSGP for discharges into impaired waters do not apply to you, unless notified otherwise by EPA.

Answer the following three questions only if you answered "Yes" to D.2.b:

- 2b1. Provide the pollutant(s) listed as causing the impairment in the water identified in D.2.b.1 above. Enter each pollutant individually on a separate row in the table.
- 2b2. Out of the pollutant(s) that you identified in D.2.b.1 above, indicate which pollutants you believe will be present in your discharge. If you do not expect the pollutant(s) to be in your discharge, then select "no."
- 2b3. Indicate the pollutant(s) that have a Total Maximum Daily Load (TMDL) for the impaired stream segment that you identified in D.2.b.2 above. Check with your state water quality agency for lists of waters with approved or established TMDLs. See www.epa.gov/npdes/msgp for more information.
3. Water Quality Standards
- 3a. If you selected "no" in C.2 indicating that stormwater discharges from your facility have not been previously covered under an NPDES permit, then you are considered a new discharger and must answer this question; otherwise you are considered an existing discharger and may skip this question. State water quality agencies are responsible for setting water quality standards for waters within the state's boundaries. Check EPA's website (www.epa.gov/npdes/msgp) to determine if the water(s) that you discharge into are designated as a "Tier 2 (or Tier 2.5) water" (See Appendix A of the MSGP 2008 for definitions of "Tier 2 water" and "Tier 2.5 water"). If you discharge into these waters, EPA may impose additional permit conditions to ensure that you do not violate the State's antidegradation policy.
- 3b. Identify whether your receiving water is designated as a Tier 3 waterbody. Go to www.epa.gov/npdes/msgp for a list of Tier 3 waterbodies. Note that new discharges into designated Tier 3 waters are not eligible for coverage under the MSGP 2008.
4. Federal Effluent Limitation Guidelines and Sector-Specific Requirements
- 4.a-b. Depending on your industrial activities, your facility may be subject to effluent limitation guidelines which include additional effluent limits and monitoring requirements for your facility. Please review these requirements, described in Part 2.1.3 of the MSGP, and check any appropriate boxes on the NOI form.
- 4.c. For Sector S facilities (Air Transportation), indicate whether you anticipate that the entire airport facility will 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. If so, additional effluent limits and monitoring conditions apply to your discharge (see Part 8 Sector S of the MSGP 2008).
5. List the four-digit Standard Industrial Classification (SIC) code and/or two character activity code that best describes the primary industrial activities performed by your facility under which you are required to obtain permit coverage. Your primary industrial activity includes any activities performed on-site which are (1) identified by the facility's one SIC code for which the facility is primarily engaged; and (2) included in the narrative descriptions of 40 CFR 122.26(b)(14)(i), (iv), (v), or (vi), and (ix). See Appendix D of the MSGP for a complete list of SIC codes and activities codes.
6. If your site has co-located industrial activities that are not identified as your primary industrial activity, identify the sector and subsector codes that describe these other industrial activities. For a complete list of sector and subsector codes, see Appendix D of the MSGP.
- 7.a-b. Indicate whether your facility is currently inactive and unstaffed. If so then indicate whether your facility will be inactive and unstaffed for the entire permit term, or if not, specify the specific length of time in units of days, weeks, months, or years (e.g. 3 months) that you expect the facility to be inactive and unstaffed.

Section E. Facility Contact Information and SWPPP Location

- 1.a-c. Identify the name, telephone number, and email address of the person who will serve as a contact for EPA on issues related to stormwater management at your facility. This person should be able to answer questions related to stormwater discharges, the SWPPP, and other issues related to stormwater permit coverage, or have immediate access to individuals with that knowledge. This person does not have to be the facility operator, but should have intimate knowledge of stormwater management activities at the facility.
2. If you are making your Stormwater Pollution Prevention Plan publicly available on a website provide the appropriate Internet URL address. (Please note that by posting your SWPPP on the web, you may qualify for a shortened authorization waiting period. See Table 1-2 of the MSGP for more information.)

Section F. Endangered Species Protection

1. Based on the instruction provided in Appendix E of the MSGP 2008, indicate which permit criterion (A,B,C,D,E, or F) listed in Part 1.1.4.5 you are using to satisfy your eligibility obligations for protection of endangered and threatened species, and designated critical habitat.

- 2.a. If you select criterion E (not likely to adversely affect), list those federally-listed endangered or threatened species and any federally-listed designated critical habitat expected to exist in proximity to your facility.
- 2.b. List the pollutants that you expect to be present in your stormwater discharge. Include any pollutants that you may have included in D.2.b.3 above.
- 2.c. If you selected "yes" in C.2 then you are considered an existing discharger and must answer all the questions in F.2.c.1-5; otherwise you are considered a new discharger and may skip the questions under F.2.c. If you are an existing discharger who was previously covered under the MSGP 2000, indicate whether you have any previous effluent monitoring data.
- 2.c1-2. If you select "No," to F.2.c then indicate why you don't have any data. Also indicate if you have any other data characterizing pollutants in your stormwater discharge.
- 2.c.3. If you select "Yes," to F.2.c then indicate whether you exceeded any benchmark.
- 2.c.4. Indicate whether you have exceeded any applicable effluent limitation guideline, or caused or contributed to an exceedance of state or tribal water quality requirement(s).
- 2.c.5. If you select "Yes" to F.2.c.3. and/or F.2.c.4 then indicate the pollutant parameters for which you exceeded the benchmark, applicable effluent limitation guideline, or State or Tribal water quality requirement(s).
- 2.d. Attach your supporting rationale for your determination of the applicability of Criterion E for your facility (applies to both new and existing dischargers). Your documentation should address species and habitat listed in F.2.a and the potential effects of pollutants listed in F.2.b on the listed species and habitat. This should include consideration of any available data characterizing pollutants in your stormwater discharge, or in the discharge of similar facilities if data for you facility is not available, that may be of concern to listed species.
3. If you select Criterion F (already addressed in another operator's valid certification), provide the tracking number that the operator received in their confirmation letter or email from EPA's NOI Processing Center (see Appendix E). You can find the tracking number assigned to your previous NOI on EPA's NOI Search website (www.epa.gov/npdes/noisearch). An example where criterion F may apply includes airports where several individual airlines have applied for coverage under the MSGP, and the entire airport also has applied for or obtained coverage. If the airport has already certified under Appendix E, and that certification addresses any potential impacts from the individual airlines, then the airlines may reference the airport's permit tracking number.

Section G. Historic Preservation

Based on the instruction provided in Appendix F of the MSGP 2008, indicate which permit criterion (A, B, C, or D) listed in Part 1.1.4.6 of the MSGP you used to satisfy your eligibility obligations for protection of historic properties.

Section H. Certification

Certification statement and signature (see Section B.11 of Appendix B of the MSGP for more information). Enter certifier's printed name, title and email address. Sign and date the form. (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.

If the NOI was prepared by someone other than the certifier (for example, if the NOI was prepared by the facility SWPPP contact or a consultant for the certifier's signature), include the name, organization, phone number and email address of the NOI preparer.

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.

Appendix F

MSGP Monitoring Requirements

MSGP MONITORING REQUIREMENTS



U.S. ENVIRONMENTAL PROTECTION AGENCY
(EPA)
NATIONAL POLLUTANT DISCHARGE ELIMINATION
SYSTEM (NPDES)
EPA NOI Processing Center



Company: LOS ALAMOS NATIONAL SECURITY, LLC
ATTN: VICTORIA A GEORGE
PO Box 1663 MS K490
Los Alamos, NM 87545

Facility: LOS ALAMOS NATIONAL
LABORATORY
PO Box 1663 MS K490
Los Alamos, NM 87545

Based on the information you provided in your NOI, you are subject to monitoring and subsequent reporting requirements. A summary of your monitoring requirements are provided below. Remember to review Part 9 of the MSGP 2007 to determine if you have additional state or tribal requirements (www.epa.gov/npdes/msgp). You may view and download monitoring guidance, including A Stormwater Sampling Guide for Industrial Facilities, at <http://www.epa.gov/npdes/msgp>. You may also now submit your monitoring results using the EPA's eReporting system at http://cdx.epa.gov/epa_home.asp.

You are also required to submit an annual report to EPA (see Part 7.2 of the MSGP). This report will contain the findings from your comprehensive site inspection, including a discussion of any corrective actions required during the reporting period. You will also need to submit an Exceedance Report to EPA if follow-up monitoring exceeds your effluent limitation guideline-based effluent limits (see Part 7.3), as well as any additional reports required under this permit (see Part 7.4).

Sector: O-Steam Electric Generating Facilities

Benchmark Requirements

<u>Parameter</u>	<u>Value</u>	<u>Unit</u>	<u>Reporting Period/Type</u>
Chemical Oxygen Demand (COD)	120.0	mg/L	
Nitrate plus Nitrite Nitrogen	0.68	mg/L	
Total Aluminum	0.75	mg/L	
Total Iron	1.0	mg/L	
Total Suspended Solids (TSS)	100.0	mg/L	

Benchmark Requirements for Hardness Dependent Pollutants

<u>Parameter</u>	<u>Hardness Range</u>	<u>Reported Value</u>	<u>Unit</u>
Total Copper	0 - 25	0.0038	mg/L
Total Copper	25 - 50	0.0056	mg/L
Total Copper	50 - 75	0.0090	mg/L
Total Copper	75 - 100	0.0123	mg/L
Total Copper	100 - 125	0.0156	mg/L
Total Copper	125 - 150	0.0189	mg/L
Total Copper	150 - 175	0.0221	mg/L
Total Copper	175 - 200	0.0253	mg/L
Total Copper	200 - 225	0.0285	mg/L
Total Copper	225 - 250	0.0316	mg/L
Total Copper	250 - 10000	0.0332	mg/L
Total Lead	0 - 25	0.014	mg/L
Total Lead	25 - 50	0.023	mg/L
Total Lead	50 - 75	0.045	mg/L
Total Lead	75 - 100	0.069	mg/L
Total Lead	100 - 125	0.095	mg/L
Total Lead	125 - 150	0.122	mg/L
Total Lead	150 - 175	0.151	mg/L
Total Lead	175 - 200	0.182	mg/L
Total Lead	200 - 225	0.213	mg/L

Total Lead	225 - 250	0.246	mg/L
Total Lead	250 - 10000	0.262	mg/L
Total Zinc	0 - 25	0.04	mg/L
Total Zinc	25 - 50	0.05	mg/L
Total Zinc	50 - 75	0.08	mg/L
Total Zinc	75 - 100	0.11	mg/L
Total Zinc	100 - 125	0.13	mg/L
Total Zinc	125 - 150	0.16	mg/L
Total Zinc	150 - 175	0.18	mg/L
Total Zinc	175 - 200	0.2	mg/L
Total Zinc	200 - 225	0.23	mg/L
Total Zinc	225 - 250	0.25	mg/L
Total Zinc	250 - 10000	0.26	mg/L

Note: If you are subject to benchmark monitoring requirements for any hardness-dependent metals, you must follow the procedures in Appendix J for establishing the hardness value for your receiving water.

Sector: O-Steam Electric Generating Facilities

Effluent Limitations Requirements		
Parameter	Value	Unit

Sector: L-Landfills, Land Application Sites, and Open Dumps

Benchmark Requirements			
Parameter	Value	Unit	Reporting Period/Type
Chemical Oxygen Demand (COD)	120.0	mg/L	
Nitrate plus Nitrite Nitrogen	0.68	mg/L	
Total Aluminum	0.75	mg/L	
Total Iron	1.0	mg/L	
Total Suspended Solids (TSS)	100.0	mg/L	

Benchmark Requirements for Hardness Dependent Pollutants

<u>Parameter</u>	<u>Hardness Range</u>	<u>Reported Value</u>	<u>Unit</u>
Total Copper	0 - 25	0.0038	mg/L
Total Copper	25 - 50	0.0056	mg/L
Total Copper	50 - 75	0.0090	mg/L
Total Copper	75 - 100	0.0123	mg/L
Total Copper	100 - 125	0.0156	mg/L
Total Copper	125 - 150	0.0189	mg/L
Total Copper	150 - 175	0.0221	mg/L
Total Copper	175 - 200	0.0253	mg/L
Total Copper	200 - 225	0.0285	mg/L
Total Copper	225 - 250	0.0316	mg/L
Total Copper	250 - 10000	0.0332	mg/L
Total Lead	0 - 25	0.014	mg/L
Total Lead	25 - 50	0.023	mg/L
Total Lead	50 - 75	0.045	mg/L
Total Lead	75 - 100	0.069	mg/L
Total Lead	100 - 125	0.095	mg/L
Total Lead	125 - 150	0.122	mg/L
Total Lead	150 - 175	0.151	mg/L
Total Lead	175 - 200	0.182	mg/L
Total Lead	200 - 225	0.213	mg/L
Total Lead	225 - 250	0.246	mg/L
Total Lead	250 - 10000	0.262	mg/L
Total Zinc	0 - 25	0.04	mg/L
Total Zinc	25 - 50	0.05	mg/L
Total Zinc	50 - 75	0.08	mg/L
Total Zinc	75 - 100	0.11	mg/L
Total Zinc	100 - 125	0.13	mg/L
Total Zinc	125 - 150	0.16	mg/L
Total Zinc	150 - 175	0.18	mg/L

Total Zinc	175 - 200	0.2	mg/L
Total Zinc	200 - 225	0.23	mg/L
Total Zinc	225 - 250	0.25	mg/L
Total Zinc	250 - 10000	0.26	mg/L

Note: If you are subject to benchmark monitoring requirements for any hardness-dependent metals, you must follow the procedures in Appendix J for establishing the hardness value for your receiving water.

Sector: L-Landfills, Land Application Sites, and Open Dumps

Effluent Limitations Requirements		
<u>Parameter</u>	<u>Value</u>	<u>Unit</u>

Sector: P-Land Transportation and Warehousing

Effluent Limitations Requirements		
<u>Parameter</u>	<u>Value</u>	<u>Unit</u>

Sector: AA-Fabricated Metal Products

Effluent Limitations Requirements		
<u>Parameter</u>	<u>Value</u>	<u>Unit</u>

Sector: N-Scrap Recycling Facilities

Benchmark Requirements			
<u>Parameter</u>	<u>Value</u>	<u>Unit</u>	<u>Reporting Period/Type</u>
Nitrate plus Nitrite Nitrogen	0.68	mg/L	
Total Aluminum	0.75	mg/L	
Total Iron	1.0	mg/L	

Benchmark Requirements for Hardness Dependent Pollutants			
<u>Parameter</u>	<u>Hardness Range</u>	<u>Reported Value</u>	<u>Unit</u>
Total Zinc	0 - 25	0.04	mg/L

Total Zinc	25 - 50	0.05	mg/L
Total Zinc	50 - 75	0.08	mg/L
Total Zinc	75 - 100	0.11	mg/L
Total Zinc	100 - 125	0.13	mg/L
Total Zinc	125 - 150	0.16	mg/L
Total Zinc	150 - 175	0.18	mg/L
Total Zinc	175 - 200	0.2	mg/L
Total Zinc	200 - 225	0.23	mg/L
Total Zinc	225 - 250	0.25	mg/L
Total Zinc	250 - 10000	0.26	mg/L

Note: If you are subject to benchmark monitoring requirements for any hardness-dependent metals, you must follow the procedures in Appendix J for establishing the hardness value for your receiving water.

Sector: N-Scrap Recycling Facilities

Effluent Limitations Requirements		
Parameter	Value	Unit

Sector: K-Hazardous Waste Treatment, Storage, or Disposal Facilities

Benchmark Requirements			
Parameter	Value	Unit	Reporting Period/Type
Chemical Oxygen Demand (COD)	120.0	mg/L	
Nitrate plus Nitrite Nitrogen	0.68	mg/L	
Total Aluminum	0.75	mg/L	
Total Iron	1.0	mg/L	
Total Suspended Solids (TSS)	100.0	mg/L	

Benchmark Requirements for Hardness Dependent Pollutants			
Parameter	Hardness Range	Reported Value	Unit
Total Copper	0 - 25	0.0038	mg/L
Total Copper	25 - 50	0.0056	mg/L

Total Copper	50 - 75	0.0090	mg/L
Total Copper	75 - 100	0.0123	mg/L
Total Copper	100 - 125	0.0156	mg/L
Total Copper	125 - 150	0.0189	mg/L
Total Copper	150 - 175	0.0221	mg/L
Total Copper	175 - 200	0.0253	mg/L
Total Copper	200 - 225	0.0285	mg/L
Total Copper	225 - 250	0.0316	mg/L
Total Copper	250 - 10000	0.0332	mg/L
Total Lead	0 - 25	0.014	mg/L
Total Lead	25 - 50	0.023	mg/L
Total Lead	50 - 75	0.045	mg/L
Total Lead	75 - 100	0.069	mg/L
Total Lead	100 - 125	0.095	mg/L
Total Lead	125 - 150	0.122	mg/L
Total Lead	150 - 175	0.151	mg/L
Total Lead	175 - 200	0.182	mg/L
Total Lead	200 - 225	0.213	mg/L
Total Lead	225 - 250	0.246	mg/L
Total Lead	250 - 10000	0.262	mg/L
Total Zinc	0 - 25	0.04	mg/L
Total Zinc	25 - 50	0.05	mg/L
Total Zinc	50 - 75	0.08	mg/L
Total Zinc	75 - 100	0.11	mg/L
Total Zinc	100 - 125	0.13	mg/L
Total Zinc	125 - 150	0.16	mg/L
Total Zinc	150 - 175	0.18	mg/L
Total Zinc	175 - 200	0.2	mg/L
Total Zinc	200 - 225	0.23	mg/L
Total Zinc	225 - 250	0.25	mg/L

Total Zinc	250 - 10000	0.26	mg/L
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Note: If you are subject to benchmark monitoring requirements for any hardness-dependent metals, you must follow the procedures in Appendix J for establishing the hardness value for your receiving water.

Sector: K-Hazardous Waste Treatment, Storage, or Disposal Facilities

Effluent Limitations Requirements		
Parameter	Value	Unit

Sector: D-Asphalt Paving and Roofing Materials and Lubricants

Benchmark Requirements			
Parameter	Value	Unit	Reporting Period/Type
Chemical Oxygen Demand (COD)	120.0	mg/L	
Nitrate plus Nitrite Nitrogen	0.68	mg/L	
Total Aluminum	0.75	mg/L	
Total Iron	1.0	mg/L	
Total Suspended Solids (TSS)	100.0	mg/L	

Benchmark Requirements for Hardness Dependent Pollutants			
Parameter	Hardness Range	Reported Value	Unit
Total Copper	0 - 25	0.0038	mg/L
Total Copper	25 - 50	0.0056	mg/L
Total Copper	50 - 75	0.0090	mg/L
Total Copper	75 - 100	0.0123	mg/L
Total Copper	100 - 125	0.0156	mg/L
Total Copper	125 - 150	0.0189	mg/L
Total Copper	150 - 175	0.0221	mg/L
Total Copper	175 - 200	0.0253	mg/L
Total Copper	200 - 225	0.0285	mg/L
Total Copper	225 - 250	0.0316	mg/L
Total Copper	250 - 10000	0.0332	mg/L

Total Lead	0 - 25	0.014	mg/L
Total Lead	25 - 50	0.023	mg/L
Total Lead	50 - 75	0.045	mg/L
Total Lead	75 - 100	0.069	mg/L
Total Lead	100 - 125	0.095	mg/L
Total Lead	125 - 150	0.122	mg/L
Total Lead	150 - 175	0.151	mg/L
Total Lead	175 - 200	0.182	mg/L
Total Lead	200 - 225	0.213	mg/L
Total Lead	225 - 250	0.246	mg/L
Total Lead	250 - 10000	0.262	mg/L
Total Zinc	0 - 25	0.04	mg/L
Total Zinc	25 - 50	0.05	mg/L
Total Zinc	50 - 75	0.08	mg/L
Total Zinc	75 - 100	0.11	mg/L
Total Zinc	100 - 125	0.13	mg/L
Total Zinc	125 - 150	0.16	mg/L
Total Zinc	150 - 175	0.18	mg/L
Total Zinc	175 - 200	0.2	mg/L
Total Zinc	200 - 225	0.23	mg/L
Total Zinc	225 - 250	0.25	mg/L
Total Zinc	250 - 10000	0.26	mg/L

Note: If you are subject to benchmark monitoring requirements for any hardness-dependent metals, you must follow the procedures in Appendix J for establishing the hardness value for your receiving water.

Sector: D-Asphalt Paving and Roofing Materials and Lubricants

Effluent Limitations Requirements		
<u>Parameter</u>	<u>Value</u>	<u>Unit</u>
Oil and Grease	10.0	mg/L
Oil and Grease	15.0	mg/L

Total Suspended Solids (TSS)	23.0	mg/L
Total Suspended Solids (TSS)	15.0	mg/L
pH	6.0 - 9.0	su

X-Sieve: CMU Sieve 2.2
X-Mailer: QUALCOMM Windows Eudora Version 6.2.0.14
Date: Wed, 01 Apr 2009 11:18:27 -0600
To: nicoleg@lanl.gov
From: "Leonard F. Sandoval" <lesandov@lanl.gov>
Subject: SWPPP for TA's-50, 54, 60.....
X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
X-NIE-2-MailScanner: Found to be clean
X-NIE-2-MailScanner-From: lesandov@lanl.gov
X-Spam-Status: No

Nicole,
This is the e-mail I sent to Victoria with all the SWPPP as Word documents. I'll send you the maps next.

Leonard

Victoria,
Here are the electronic copies of the SWPPP I dropped by your office last week. The hard copies I delivered are the originals with signatures on the cover pages which these attached documents won't have. This shouldn't be a problem I hope. I'll send you the maps that go with each in another e-mail as pdf. Thanks.

Leonard

Leonard F. Sandoval

ENV-EAQ: Deployed Environmental Professional
Los Alamos National Laboratory, Mail Stop J593
Phone: (505) 667-3557
Cell phone: (505) 231-1235
Fax: (505) 665-3961
Drop Point: TA-54 Bldg 354



WCRRF 2008 SWPPP 12-17-08.doc



TA-54 2008 SWPPP 12-17-08 rv 1.doc



MRF 2008 SWPPP 12-17-08.doc

X-Sieve: CMU Sieve 2.2
X-Mailer: QUALCOMM Windows Eudora Version 6.2.0.14
Date: Wed, 01 Apr 2009 11:44:23 -0600
To: nicoleg@lanl.gov
From: "Leonard F. Sandoval" <lesandov@lanl.gov>
Subject: Maps to Corresponding SWPPP.....
X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
X-NIE-2-MailScanner: Found to be clean
X-NIE-2-MailScanner-From: lesandov@lanl.gov
X-Spam-Status: No

Nicole,
These are the maps. When I figure out what the plan is for the training I'll let you know.
Thanks.

Leonard

Victoria,
Here are the maps for the corresponding SWPPP I e-mailed you earlier as pdf. I think I've sent you pretty much everything. Let me know if you need anything else. Thanks.

Leonard

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 [WCRRF_1.pdf](#)

 [WCRRF_2.pdf](#)

 [54-west - RANT3.pdf](#)

 [SK-54-G-11 CENTER.pdf](#)

 [SK-54-G-11 LEFT.pdf](#)



SK-54-G-11 RIGHT.pdf



Ta54-L2R1dwg2.pdf



TA-60 MRF SITEMAP6.pdf

X-Sieve: CMU Sieve 2.2
X-Mailer: QUALCOMM Windows Eudora Version 6.2.0.14
Date: Wed, 01 Apr 2009 12:11:41 -0600
To: nicoleg@lanl.gov
From: "Leonard F. Sandoval" <lesandov@lanl.gov>
Subject: Periodic Review for SWPPP TA's-50, 54,
60.....
X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
X-NIE-2-MailScanner: Found to be clean
X-NIE-2-MailScanner-From: lesandov@lanl.gov
X-Spam-Status: No

Nicole,
The periodic review needs to be every 2 years instead of 1 year.

Leonard

At 12:03 PM 4/1/2009, you wrote:

Leonard,

Please advise as to whether the periodic review will be for 1 or 2 years?

Thanks,
Nicole

At 11:18 AM 4/1/2009, you wrote:

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Drop Point: TA-54 Bldg 354

Nicole M. Gonzales

IRM-DCS

Email: nicoleg@lanl.gov

Phone: 606-2316

Fax: 665-8333

Pager: 664-3084

MS: J910

Leonard F. Sandoval

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Fax: (505) 665-3961

Drop Point: TA-54 Bldg 354

X-Sieve: CMU Sieve 2.2

Delivered-To: ep-doccontrol-outgoing@maillist.lanl.gov

Delivered-To: ep-doccontrol@listserv.lanl.gov

X-NIE-2-Virus-Scanner: amavisd-new at maillist.lanl.gov

X-Mailer: QUALCOMM Windows Eudora Version 6.2.5.6

Date: Wed, 01 Apr 2009 15:31:59 -0600

To: "Leonard F. Sandoval" <lesandov@lanl.gov>

From: Nicole Gonzales <nicoleg@lanl.gov>

Subject: Corrections

Cc: lechel@lanl.gov, ep-doccontrol@lanl.gov

X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>

X-NIE-2-MailScanner: Found to be clean

X-NIE-2-MailScanner-From: nicoleg@lanl.gov

X-Spam-Status: No

Sender: owner-ep-doccontrol@maillist.lanl.gov

Hi Leonard,

Per our conversation earlier I will need the electronic version for the Appendixes for EP-PLAN-1703, EP-PLAN-2301, EP-PLAN-3202. Also please remember to stop by the DC office to correct the dates on the headers of the pages that have original signatures.

Please call me if you have any questions and thanks for your help!

Nicole M. Gonzales

IRM-DCS

Email: nicoleg@lanl.gov

Phone: 606-2316

Fax: 665-8333

Pager: 664-3084

MS: J910

X-Sieve: CMU Sieve 2.2
X-Mailer: QUALCOMM Windows Eudora Version 6.2.0.14
Date: Wed, 01 Apr 2009 12:11:41 -0600
To: nicoleg@lanl.gov
From: "Leonard F. Sandoval" <lesandov@lanl.gov>
Subject: Periodic Review for SWPPP TA's-50, 54,
60.....
X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
X-NIE-2-MailScanner: Found to be clean
X-NIE-2-MailScanner-From: lesandov@lanl.gov
X-Spam-Status: No

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Leonard

Leonard F. Sandoval

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Drop Point: TA-54 Bldg 354

X-Sieve: CMU Sieve 2.2
X-Mailer: QUALCOMM Windows Eudora Version 6.2.0.14
Date: Wed, 01 Apr 2009 15:54:10 -0600
To: nicoleg@lanl.gov
From: "Leonard F. Sandoval" <lesandov@lanl.gov>
Subject: Information from EPA for MSGP SWPPPs: Appendix E. EPA NOI and Appendix F. MSGP Monitoring Requirements.....
X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
X-NIE-2-MailScanner: Found to be clean
X-NIE-2-MailScanner-From: lesandov@lanl.gov
X-Spam-Status: No

Nicole,
Here's Appendix E and F. I also have Appendix C, but need to verify that its the final version.

Leonard

All,
Attached are 3 documents that need to be posted within each of the facility SWPP Plans as required under Section 5.4 of the MSGP. Please print the EPA NOI Acknowledgement letter, NOI, and summary of the monitoring requirements and place them in the SWPPP. I would recommend making an Appendix heading that calls out the EPA Acknowledgement Letter and NOI.
Please let me know if you have any questions on implementing this process.
Thanks
Tim

Tim Zimmerly, CPESC, CISEC
Water Quality & RCRA Group
Los Alamos National Laboratory
MS K490
Los Alamos, NM 87545
email: zimmerly@lanl.gov
office: 505-664-0105
cell: 699-7621
fax: 505-665-9344



[msgp_requirement_data11229701033087.pdf](#)



[enoi_rtf_1229701035664.rtf](#)



[msgp_form_data11229701032499.pdf](#)

Leonard F. Sandoval

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Fax: (505) 665-3961
Drop Point: TA-54 Bldg 354

X-Sieve: CMU Sieve 2.2
 X-Mailer: QUALCOMM Windows Eudora Version 7.1.0.9
 Date: Wed, 01 Apr 2009 15:56:08 -0600
 To: "Leonard F. Sandoval" <lesandov@lanl.gov>
 From: Bob Lechel <lechel@lanl.gov>
 Subject: Re: Appendix C, E, and F.....
 Cc: Nicole Gonzales <nicoleg@lanl.gov>
 X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
 X-NIE-2-MailScanner: Found to be clean
 X-NIE-2-MailScanner-From: lechel@lanl.gov
 X-Spam-Status: No

Here are the files for the attachments C, E (two of them), and F. Let me know if there are any more issues or needs.

At 03:44 PM 4/1/2009, you wrote:

Bob,

Do you have electronic copies of the following Appendix: C, E, and F? I e-mailed Nicole a copy of Appendix D or Corrective Action Report and have a copy of Appendix C or 2008 MSGP, but not sure if its the final version. I think Tim sent us Appendix F or MSGP Monitoring Requirements, but labeled them as Deployed monitoring requirements. I know I've seen Appendix E or EPA NOI, but just don't have a copy.

Leonard

Leonard F. Sandoval

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 Drop Point: TA-54 Bldg 354

Bob Lechel
 Los Alamos National Laboratory
 ENV-EAQ Deployed Environmental Professional
 W(505) 665-6912
 C(505) 699-7558



[App F msgp_requirement_data11229701033087.pdf](#)



[App C msgp2008_finalpermit.pdf](#)



[App E enoi_rtf_1229701035664.rtf](#)



[App E msgp_form_data11229701032499.pdf](#)

X-Sieve: CMU Sieve 2.2
Delivered-To: ep-doccocontrol-outgoing@maillist.lanl.gov
Delivered-To: ep-doccocontrol@listserv.lanl.gov
X-NIE-2-Virus-Scanner: amavisd-new at maillist.lanl.gov
X-Mailer: QUALCOMM Windows Eudora Version 6.2.5.6
Date: Mon, 06 Apr 2009 15:24:47 -0600
To: TA-54-ALL@lanl.gov,WS_LIST@lanl.gov,CCP_list@lanl.gov,
eptraining@lanl.gov,ewmo-all@lanl.gov,trufolks@lanl.gov,
ep-doccocontrol@lanl.gov,wdp@lanl.gov,dc_notify@lanl.gov,
ewmomgmtteam@lanl.gov
From: Nicole Gonzales <nicoleg@lanl.gov>
Subject: NEW DOCUMENTS: EP-PLAN-1703, R.0 & EP-PLAN-3202, R.0
X-NIE-2-MailScanner-Information: Please see <http://network.lanl.gov/email/virus-scan.php>
X-NIE-2-MailScanner: Found to be clean
X-NIE-2-MailScanner-From: nicoleg@lanl.gov
X-Spam-Status: No
Sender: owner-ep-doccocontrol@maillist.lanl.gov

PLEASE NOTE: Currently, Version 7 is being implemented in Domino; therefore the PDF link may not work properly. To view the document, click on the menu bar "DOCUMENT" then drop down window "VIEW".

Good Afternoon,

The document(s) listed below is/are new/revised document(s) and is/are available at:
<http://idocmanage.lanl.gov/domdoc/RRESlib.nsf>

ERSS > Controlled Documents > Facilities > WCRRF > Retained Documents

EP-PLAN-1703, R.0 - TA-50 WCRRF Stormwater Pollution Prevention Plan [EP-PLAN-1703, R0_FINAL.pdf](#)

ERSS > Controlled Documents > Facilities > RANT > Retained Documents

EP-PLAN-3202, R.0 - TA-54 Stormwater Pollution Prevention Plan [EP-PLAN-3202, R.0_FINAL.pdf](#)

The PCR/ DAR Form is located at the end of the PDF file with the exception of the IPC's. That form is located at the beginning of the document.

When a document(s) apply to your job function(s), please take the time to read. If not, disregard this notification. You are responsible for verifying that you are working to the most current revision of a document.

If you need a Controlled Copy or have any questions regarding this document, please e-mail DCC at ep-doccocontrol@lanl.gov.

Thank You

Nicole M. Gonzales

IRM-DCS

Email: nicoleg@lanl.gov

Phone: 606-2316

Fax: 665-8333

Pager: 664-3084

MS: J910