

# COVE HARBOR STORM WATER MANAGEMENT PROGRAM

SUBMITTED TO



FEBRUARY 2009



SUBMITTED BY

**NEI** **Naismith Engineering, Inc**  
ENGINEERING ■ ENVIRONMENTAL ■ SURVEYING

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Naismith Engineering, Inc.

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## **EXECUTIVE SUMMARY**

Naismith Engineering, Inc. (NEI) is developing a storm water management program, which is being conducted in three phases, for the Aransas County Navigation District (ACND). Phase 1 was completed in November 2005. The documentation contained herein, which is Phase 2, will include the assessments, conclusions, and recommendations from the current scope of work. Phase 3 of this program will implement the more extensive recommendations in Phase 2. Tasks included in this Phase 2 are survey, evaluation, and assessment of alternatives for future implementation of drainage systems improvements and storm water best management practices. More specifically, implementation of educational BMPs and information about storm water management for Cove Harbor tenants are included in this phase.

NEI surveyed the Harbor complex and generated a topographic map of the facilities, from which a drainage basin map was created. Additionally, all existing drainage infrastructure was identified, analyzed, and assessed. A list of proposed BMP's was then developed from the existing drainage infrastructures assessment, and a preferred plan for the District to address storm water regulatory compliance, and drainage control produced.

Furthermore, procedures and requirements were developed, from the aforementioned assessment and BMPs, for use by current and future tenants/leaseholders to assist in maintaining compliance with all applicable water regulations. Financial requirements/impacts for all recommended improvements and BMPs were also evaluated, and all proposed improvements and BMPs were then tailored to minimize financial impact on tenants/leaseholders and to maximize the use of grant opportunities. Finally, a storm water quality management plan was developed, after all studies, assessments, and recommendations had been made.

In addition to the final storm water quality management plan for the Cove Harbor complex, an informational/educational workshop for Cove Harbor tenants and other interested members of the public will be held. NEI and ACND will host the workshop to discuss the Cove Harbor Storm Water Management Program and other storm water drainage issues.

## **1. INTRODUCTION**

Naismith Engineering, Inc. (NEI) is developing a storm water management program, which is being conducted in three phases, for Aransas County Navigation District (ACND). The assessments, conclusions, and recommendations from Phase 2 will be outlined in the following report. Tasks included in this phase are survey, evaluation, and assessment of alternatives for future implementation of drainage systems improvements and storm water best management practices.

### **1.1 Purpose**

ACND tenants that operate within Cove Harbor, such as boat haul-out and maintenance yards, and fuel storage and handling areas, are required to have storm water permits for their individual businesses. Tenants have also identified issues regarding their storm water permit obligations that have triggered the need to better understand storm water management within the harbor complex. These tenants have identified a need for the overall assessment of the harbor drainage system to better account for source storm water run-off from different drainage areas within the harbor. Therefore, this storm water management program was developed for ACND and its tenants, so that they may have a better understanding of storm water management and storm water regulatory compliance within the harbor.

## **2. GOVERNMENT REGULATIONS PERTAINING TO COVE HARBOR STORM WATER QUALITY MANAGEMENT**

As stated in the November 2005 Stormwater Regulatory Compliance and Management report, the ACND is not currently classified as an industry that is required to obtain a TPDES stormwater general permit. However, in addition to several Cove Harbor tenants that are currently required to have TPDES stormwater general permits, the ACND may too be required to obtain a TPDES stormwater general permit if one of their tenants vacates their lease agreement, files for bankruptcy and leaves their vacated facilities to the responsibility to the ACND. It is for this reason that the ACND has made the proactive decision to develop a comprehensive Storm Water Management Program.

The two government agencies that currently maintain regulation of stormwater quality and stormwater discharge are the Texas Commission on Environment Quality (TCEQ), and the Environmental Protection Agency (EPA).

### **2.1 Texas Commission on Environmental Quality (TCEQ) – Multi-Sector General Permit (MSGP)**

The TCEQ - MSGP is an extensive section of State regulation, by which stormwater runoff from certain industry sectors is regulated and monitored. This section will summarize the portions of the TCEQ – MSGP that provided guidance for the Cove Harbor Storm Water Management Program. See Appendix 3 for the MSGP in its entirety.

#### **2.1.1 SIC Codes**

The TCEQ uses Standard Industrial Classification (SIC) codes to determine what sectors of industry will be covered under the MSGP. Currently, all tenants within Cove Harbor that are classified as an industry sector are required to be permitted to discharge stormwater and would be covered under the TCEQ MSGP. The following SIC codes, taken from the full list of SIC codes shown in appendix 2, are for industry sectors that can be found in Cove Harbor.

Sector I: Oil and Gas Extraction Facilities

Oil and Gas Field Services: SIC Code – 1381-1389

Sector R: Ship and Boat Building or Repairing Yards

Ship and Boat Building or Repairing Yards: SIC Code – 3731, 3732

### **2.1.2 TCEQ – MSGP Requirements**

The TCEQ has six (6) minimum control measures for stormwater discharges that reach waters of the United States. The following control measures are requirements for any operator of a municipal separate storm sewer system (MS4) or for any industry sector included in the list of TCEQ's SIC codes that seek application for the TCEQ – MSGP. However, the ACND and its Cove Harbor facilities are not required as an entity by TCEQ to obtain a MSGP. Therefore the following control measures are simply being used as guidelines for the development of the Cove Harbor Storm Water Management Plan.

1. Public Education and Outreach on Storm Water Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Storm Water Runoff Control
5. Post-Construction Storm Water Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

See page 22 of Appendix 3 for detailed descriptions of each control measure.

### **2.2 EPA – 40CFR, 122 NPDES**

The Code of Federal Regulations (CFR), Title 40, Part 122 discusses the National Pollutant Discharge Elimination System (NPDES). The regulatory provisions in Part 122 cover basic EPA permitting requirements, and the requirements for a State to obtain approval to operate its own Pollution Discharge Elimination System in lieu of the NPDES.

Texas has met the EPA requirements and been approved to operate the Texas Pollution Discharge Elimination System (TPDES) in lieu of the NPDES. Therefore, all TCEQ – MSGP requirements aforementioned supplant the EPA – 40CFR, 122 NPDES.



### **3. PROPERTY DESCRIPTION**

The project area, located approximately two miles south of the City of Rockport, east of State Highway 35, includes the Cove Harbor inner harbor and the wetlands to the north. The terrain is flat with very little vertical relief, typical of the Texas Coastal Plains. The primary businesses that occupy Cove Harbor are Oil and Gas Field Services, Ship and Boat Building and/or Repair Yards, and Recreational Watercraft Sales and Services. See Exhibit A for Project Location Map.

#### **3.1 Inventory of Existing Drainage Structures and Facilities**

Few drainage structures are present at Cove Harbor, as drainage occurs mainly through sheet flow from the street toward harbor waters. A large drainage ditch parallels State Hwy 35 on the west side of the Harbor, and small drainage ditches are in place on the western and southern portions of the property. Two drainage basins have been identified within the harbor complex, with Cove Harbor Street acting as the boundary between the two basins. Storm water from the 48.3 Ac harbor facility ultimately ends up either in the 22.5 Ac harbor waters, the drainage ditch to the west, the wetlands to the south, or the body of water to the north and east.

## **4. ASSESSMENT OF EXISTING DRAINAGE PERFORMANCE & CONSTRAINTS ON IMPROVING DRAINAGE PERFORMANCE**

NEI performed a topographic survey of the Cove Harbor complex, from which a topographic map of the harbor property was created. With this topographic map, we were able to develop a drainage basin map that identifies the drainage basins within the Cove Harbor facilities. See Exhibit B. This topographic data assisted in the assessment of existing drainage performance, and helped identify physical constraints on improving the drainage performance of Cove Harbor.

### **4.1 Existing Drainage Performance**

As stated previously, few drainage structures are present in Cove Harbor. Drainage occurs mainly through sheet flow and ultimately ends up either in the 22.5 Ac harbor waters, the drainage ditch to the west, the wetlands to the south, or the body of water to the north and east. The natural soil in the area is very sandy; therefore, any surface within the complex that is not covered with impervious structures including asphalt or concrete will allow storm water run-off to infiltrate into the ground, thereby providing natural filtration of storm run-off and reducing total run-off discharge into the inner harbor.

### **4.2 Constraints on Improving Drainage Performance**

Due to the lack of storm drainage catchments, the sheet flow previously mentioned, has the potential to transport any contaminants that may be present into the harbor waters. Stormwater sheet flow also carries, distributes, and deposits any contaminants that may be present into the native sandy soils, leaving the ground full of potentially harmful pollutants. Additionally, many Cove Harbor tenants have become accustomed to certain operating practices that disregard environmental quality, which may make implementation of new BMP's that outline stricter methods of maintaining facilities and grounds difficult.

### **4.3 Storm Water Regulatory Compliance**

The status of Cove Harbor's tenant's storm water regulatory compliance was also researched. Through this research, it was determined that a Storm Water Pollution Prevention Plan (SW3P) is required for two tenants, Hooking Bull and House of Boats. According to the TCEQ website, Hooking Bull is currently covered under the Multi-Sector General Permit, and House of Boats currently has an expired permit.

## **5. RECOMMENDATION OF DRAINAGE SYSTEM IMPROVEMENTS AND BEST MANAGEMENT PRACTICES AND WORKSHOPS**

Due to the lack of existing drainage infrastructure within the harbor complex, and the high cost to construct an entire drainage system, a phased approach for implementing improvements will be proposed.

### **5.1 Phase 3A, Immediate Implementation**

In the phase 3A, immediate implementation of recommended BMP's and facility improvements that will be presented in an informative workshop can be used to meet the objectives of the Cove Harbor Storm Water Management Plan. These items should provide cost effective methods for ACND and its tenants to improve the storm water quality and drainage performance within Cove Harbor. See Appendix 1 for the Informative Workshop Outline which contains the recommended Phase 3A BMP's and facility improvements, in the order that they will be presented in the Workshop. Additionally, Exhibit C illustrates possible locations of Spill Response Stations, which are discussed in the Workshop. The recommended Phase 3A improvements and associated costs are as follows:

#### **Consultant Services:**

- 1) Informative Workshop – Industrial & Recreational Sectors.....\$43,700.00  
*(See Appendix 1 for details)*
- Total Consultant Services Cost.....\$43,700.00**

**TOTAL PHASE 3A COST .....\$43,700.00**

### **5.2 Phase 3B, Long Term Implementation**

These items can be valuable assets to ACND and Cove Harbor tenants in their effort to make long term and permanent improvements to drainage performance and storm water quality. It

would be most beneficial for the ACND to construct the Phase 3B improvements simultaneously with the construction of the proposed future bulkhead improvements, which most likely will be constructed in a phased manner (i.e. only certain sections of bulkhead and drainage swale built at a time) to minimize financial impact on the ACND and its tenants. The recommended Phase 3B Facility Improvements are listed below, along with the Construction Cost Estimate for Cove Harbor Proposed Drainage Improvements. See Exhibit C for the Cove Harbor Proposed Drainage Improvements Plan.

**Corrective Measures for Existing Drainage Structures and Facilities and Associated Costs**  
**Phase 3B - Facility Improvements**

- 1) Interceptor Swales/Flumes – These drainage swales and flumes shall be placed behind the marina bulkheads, and run parallel to the marina bulkheads. Sheet flow runoff that picks up and transports sediment and pollutants will be caught in these interceptor swales and flumes, and then directed to catch basins with media filters to clean the runoff before being discharged into marina waters.
- 2) Catch Basins – Used to prevent large pulses of storm water from entering the marina basin at one time. Particulates and soil settle at the bottom (the bottom of the basin is typically 2 to 4 feet below the outlet pipe). The outlet pipe allows trapped water to escape. They can also have a separate chamber filled with sand. Catch basins with sand filters are effective in highly impervious areas, where other practices have limited usefulness. If properly maintained, they can have a lifespan of up to 50 years.
- 3) Vertical Media Filters – Use passive filtration to remove many pollutants from storm water. The pollutants removed include sediment, nutrients, soluble metals, hydrocarbons, trash, and debris. They are typically installed in high-use parking lots, industrial parking lots, roads, bridge decks, and multiple-use areas.

• **Phase 3B - Construction Cost Estimate for Cove Harbor Proposed Drainage Improvements**

**ACND Facility Improvements:**

|  |   |
|--|---|
| 1) Interceptor Swales/Flumes.....                          | \$17.00/SF x \$42,435 SF = \$721,395.00 |
| 2) Concrete Header Curb.....                               | \$10.00/LF x \$5,175 LF = \$51,750.00   |
| 3) Catch Basins.....                                       | \$6,750.00 ea x 14 units = \$94,500.00  |
| 4) Vertical Media Filters.....                             | \$500.00 ea x 14 units = \$7,000.00     |
| 5) 18" RCP.....  | \$40.00/LF x 70 LF = <u>\$2,800.00</u>  |
| Sub-Total.....   | \$877,445.00                            |
| 15% Contingency.....                                       | \$131,616.75                            |
| Engineering, Design, Construction Administration Fees..... | \$151,359.00                            |
| <b>TOTAL PHASE 3B COST.....</b>                            | <b><u>\$1,160,421.75</u></b>            |



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**EXHIBIT – A**



CITY OF ROCKPORT, TEXAS

S.H. 35

PROJECT SITE



GRAPHIC SCALE IN FEET

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4501 GOLLIHAR RD. CORPUS CHRISTI, TEXAS 78411 PH. NO. 361-814-9900

# EXHIBIT A

## PROJECT LOCATION MAP

|               |                   |                 |              |          |
|---------------|-------------------|-----------------|--------------|----------|
| Drawn By: ABG | Appr. By:         | Scale: 1"=1000' | Dwg. File: 1 | Sheet: 1 |
| Checked By:   | Project No.: 7937 | Date:           | Rev.: 0      | of 1     |



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**EXHIBIT – B**



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EXHIBIT B - COVE HARBOR DRAINAGE MAP  
Drawn By: ABG  
Checked By: PMP  
Scale: 1"=200'  
Project No.: 7937  
Date: 9/2008  
Sheet 1 of 1



27 March  
2009

*Paul M. Pilarczyk*

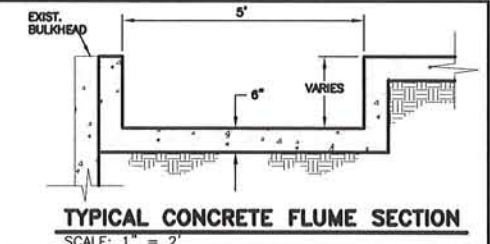
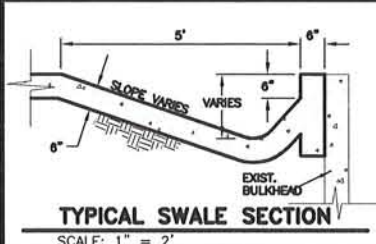
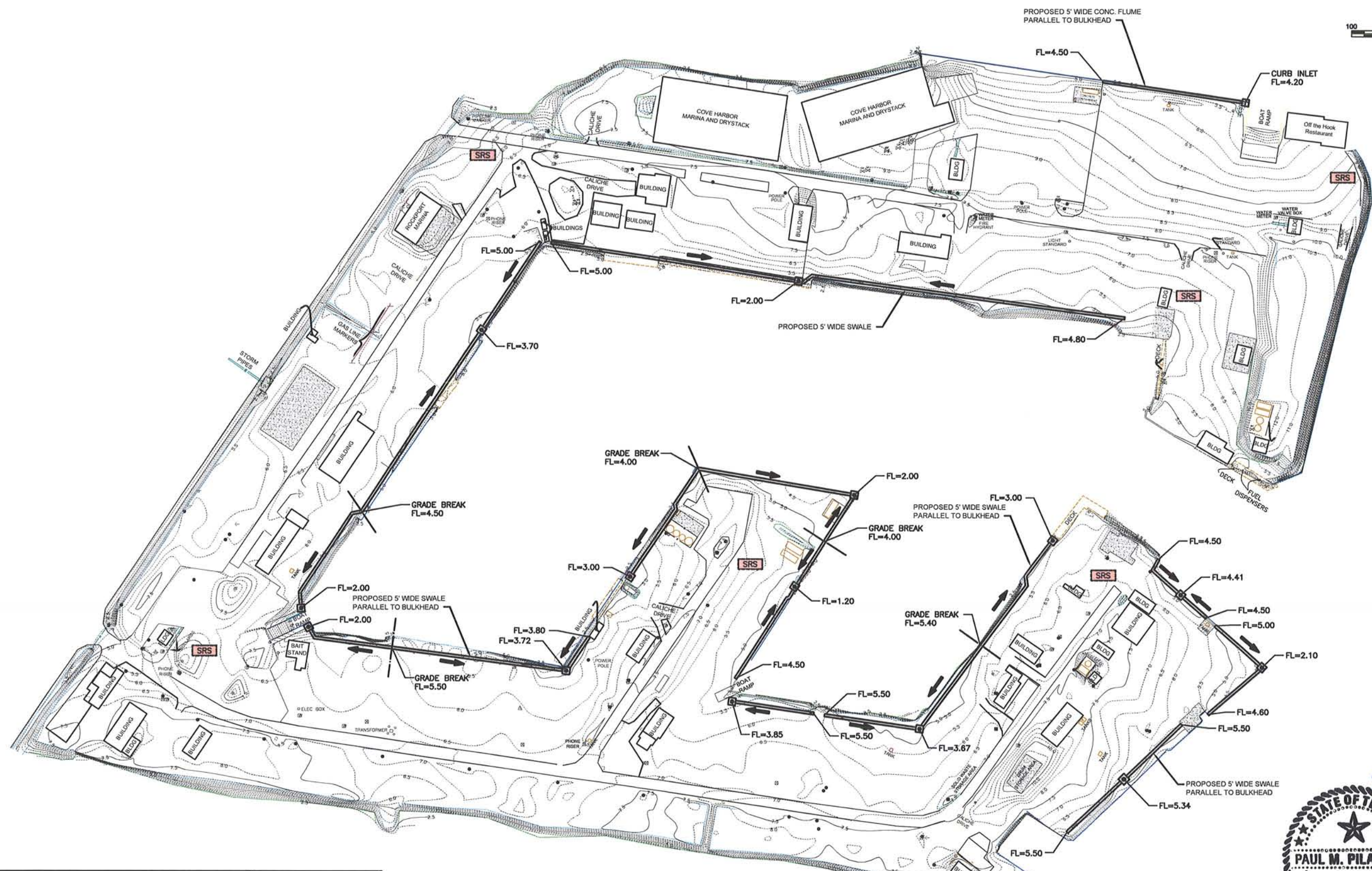




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**EXHIBIT – C**



- LEGEND**
- PROPOSED 5' CURB INLET
  - PROPOSED 5'x5' DRAINAGE POST INLET
  - PROPOSED FLOW DIRECTION
  - PROPOSED SPILL RESPONSE STATION

27 March 2009

STATE OF TEXAS  
  
**PAUL M. PILARCZYK**  
 82060  
 LICENSED PROFESSIONAL ENGINEER

*Paul M. Pilarczyk*

**Naismith Engineering, Inc.**  
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**NAI**

EXHIBIT C - COVE HARBOR DRAINAGE MASTER PLAN

DATE: 9/2008  
 SCALE: 1" = 100'  
 PROJECT NO.: 7937  
 DRAWN BY: PMP  
 CHECKED BY: PMP  
 APPR. BY: PMP  
 Dwg. No.:  
 REV: 0



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**APPENDIX – 1**

**Cove Harbor Drainage and Stormwater Management Plan**  
**Workshop Presentation Outline – Industrial & Recreational Sectors**

**Workshop Sections:**  
**Section 1: BMP Topics**

1. BMP Topics:
  - A. Use and Maintenance of Solid Waste and Recycling Facilities
    - i. All solid waste should be disposed of in designated containers and locations.
    - ii. Effort should be made to dispose of recyclable material in designated containers and locations separate from solid waste facilities.
  - B. Hull Maintenance
    - i. Wash boat hulls above the waterline by hand. Where feasible, remove boats from the water and clean them where debris can be captured and disposed of properly, to prevent runoff into the harbor. Avoid in-water hull scraping or any abrasive process done underwater that could remove paint from the boat hull. Hull maintenance should always be done over a dry, impervious surface like a cement pad. Minimize dust and debris when performing boat hull maintenance. When sanding, work in an enclosed space away from the water or use dustless sanders. Use permeable traps, screens, or filter cloths to capture debris when cleaning, sanding, or painting, and then dispose of it in designated containers. Require that hull maintenance areas be cleaned immediately after any maintenance to remove debris. Require that all debris be disposed of properly to prevent storm water or wash water from carrying contaminated debris into the harbor.
  - C. Yard Maintenance
    - i. Tenants should make efforts to fully maintain yards to keep them in a clean orderly state. By eliminating large amounts of solid waste (i.e., dilapidated vehicles and boats, tires, engine blocks and parts, broken machinery), a source of storm water pollution will be eliminated. Additionally, maintaining yards will minimize the dispersion of debris during extreme storm events.
  - D. Label Containers
    - i. Provide and maintain clearly labeled containers, especially when the contents are used oil, oil filters, grease, solvents and other chemicals.
  - E. Train Personnel
    - i. Fuel dock staff should be trained in spill prevention, containment, and cleanup procedures. The Harbor and/or Marina should have at least one key staff member fully trained and certified in spill management, and this person should be designated to be responsible for inspection, training, and control of any spill. All staff members should know the location of absorbent materials and how to use them to remove the fuel immediately from the water or ground.

#### F. Spill Prevention and Control

- i. ACND should be notified of all spills that are approximately 5 gallons or larger, and all spills, regardless of size, that come in contact with harbor waters.
- ii. ACND has the expertise and protocol to be INCIDENT COMMANDER. They are NOT certified in cleanup. As previously mention, the ACND shall be notified of all spills that are approximately 5 gallons or larger, and all spills, regardless of size, that come in contact with harbor waters, and if any such spill requires cleanup efforts beyond the capabilities of the party responsible for the spill, the ACND will dispatch environmental cleanup professionals.
- iii. The parties responsible for any spill that requires professional environmental cleanup services, cleanup efforts from ACND, and/or cleanup materials from ACND will be required to pay for such services and material.
- iv. Keep spill equipment (e.g. absorbent pads, granular sorbent and booms) in areas where liquid materials are stored and near other likely places where spills could occur (e.g. pipe junctions). Spill equipment should be stored in a clearly marked cabinet or locker that is easily and quickly accessible. Booms can absorb up to 25 times their weight in petroleum products and float even when they are saturated. It is recommended that the length of boom available should be enough to encircle the dock and the largest boat serviced. Do not use soaps, detergents and emulsifiers on fuel spills because they help oil settle into sediment.
- v. All companies operating within the harbor complex are HIGHLY encouraged to have proper spill response equipment within their operating facilities. Keeping and maintaining such material onsite shall be considered keeping “tools of the trade” on hand. The potential of hazardous spills is part of working in industrial operations such as those in Cove Harbor. Therefore, being protective and preventative by keeping spill response kits onsite shall also be a part of working in industrial operations such as those in Cove Harbor.
- vi. Tenants may even consider grouping together with their neighbors to collectively purchase and assemble and maintain large community “Spill Response Stations”, as shown in the “Possible Locations for Spill Response Stations” exhibit.

#### G. Material Storage

- i. Store liquid materials under cover (e.g. roof or overhang) and on a surface that is impervious to the type of material stored. Storage areas should also be protected from runoff and flood hazards. The best location is near maintenance or repair buildings.

## H. Alternative Liquids

- i. When possible, use low-toxicity or nontoxic materials, such as water-based paints and solvents. The use of nontoxic, high-bonding, easily cleaned coatings can be encouraged among marina patrons. Solvents with low volatility and coatings with low volatile organic compound (VOC) content are available, as are long-lasting and nontoxic antifouling paints. Buy and use biodegradable detergents and cleaning products that will have a minimal impact on the aquatic environment

## I. Fuel Dispensing & General Boat Service

- i. Automatic Shutoffs – Use on fuel lines and at hose nozzles to reduce fuel spills and loss. A fuel line shutoff can be located between the fuel storage tank and the dockside fuel pump. The shutoff automatically stops fuel movement when the system senses a passage of a high volume of fuel through the line. Automatic shutoff fuel nozzles guard against overfilling boat fuel tanks by automatically stopping the flow of fuel from the pump.
- ii. Air/Fuel Separators – Install them on air vents or tank stems on inboard fuel tanks to reduce the amount of fuel spilled into surface waters during fueling. These devices release air and vapor but contain fuel before it can overflow.
- iii. Vacuum-Type Systems – Use to change engine oil and to perform spill-proof oil changes or suction oily water from bilges.
- iv. Recycling Oil – Boaters should place all extracted oil into used oil containers located at the marina. All fuel or oil-soaked material should be stored in a designated container. Containers should also be available for used oil filters and used grease. All recycled oil or related material should be handled by a commercial waste hauler.
- v. Pump Out Stations – Construct and maintain pump out stations for sanitary wastes. The stations should be kept clean and easily accessible. It is recommended that pumpouts be free of charge and done by marina employees. The suction connection of the hoses should be regularly disinfected by dipping or spraying. There are four recommended types of onshore sewage collection systems to handle sewage from boat holding tanks and portable toilets:
  1. Fixed-point systems – Includes one or more centrally located sewage pump out stations. The stations are usually located at the end of a pier, often on a fueling dock, so that fueling operations can be done at the same time.
  2. Dump stations for portable toilets – For boats that use only small portable (removable) toilets. Dump stations should be located near small slips and boat ramps.
  3. Portable systems – Includes a pump and a small storage tank. The unit is moved to a boat where the boat is docked. The unit is connected to the deck fitting on the vessel, and wastewater is pumped from vessel's holding tank to the pumping unit's storage tank. When the storage tank

is full, the portable unit is emptied into a municipal sewage system or collected by a pumpout service company.

J. Summary of Section 1

- i. All BMP's discussed herein have one common thread; GOOD HOUSE KEEPING. As long as tenants and their employees maintain clear and clean operating facilities by properly utilizing solid waste facilities, recycling facilities, minimize stock of hazardous materials and waste, properly store such materials, and keep proper spill response kits onsite, it should be relatively easy to avoid polluting storm drainage waters and to maintain clean harbor waters.

## **Section 2: Regulatory Topics**

2. Regulatory Topics:

A. SPCC Plan

- i. Prepare a SPCC Plan, as required by 40 CFR 112. This applies to any facility with an aggregate aboveground storage capacity of 1,320 gallons or greater (of oil or oil related products). The Plan should be updated regularly and certified by a licensed professional engineer. The Plan should require inspections, preventive maintenance, and, when necessary, replacement of hoses, pipes, and tanks. Secondary containment (preferably concrete) for all fuel tanks and drum storage areas is also a requirement of 40 CFR 112.
- ii. Other types of spill discharge prevention and response plans, in addition to a SPCC Plan, could be required by local or state agencies (i.e. Texas General Land Office).

B. SWPPP Plan

- i. Ship and Boat Repair Yards (SIC Codes 3731 and 3732) and Marinas (4493) are required to be under the TCEQ TPDES Multi-Sector General Permit TXR050000. A SWP3 must be developed and kept at each applicable facility. The General Permit requires that facilities conduct sampling, inspections, training and visual monitoring. BMP development is also an important aspect of a SWP3.



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**APPENDIX – 2**



**SIC Codes Subject to TPDES Multi-Sector General Permit (TXR050000)**

| <b>SIC Code</b> | <b>General Description of the Industrial Activity</b>                                  | <b>Sector under the General Permit</b>           |
|-----------------|--|--|
| 1011            | Iron Ores  | G: Metal Mining (Ore Mining and Dressing)        |
| 1021            | Copper Ore Mining and Dressing   | G: Metal Mining (Ore Mining and Dressing)        |
| 1031            | Lead and Zinc Ores   | G: Metal Mining (Ore Mining and Dressing)        |
| 1041, 1044      | Gold and Silver Ores   | G: Metal Mining (Ore Mining and Dressing)        |
| 1061            | Ferroalloy Ores, except Vanadium   | G: Metal Mining (Ore Mining and Dressing)        |
| 1081            | Metal Mining Services  | G: Metal Mining (Ore Mining and Dressing)        |
| 1094, 1099      | Miscellaneous Metal Ores   | G: Metal Mining (Ore Mining and Dressing)        |
| 1221–1241       | Coal Mines and Coal-Mining-Related Facilities  | H: Coal Mines and Coal-Mining-Related Facilities |
| 1311            | Crude Petroleum and Natural Gas (unless regulated by the Railroad Commission of Texas) | I: Oil and Gas Extraction Facilities             |
| 1321            | Natural Gas Liquids (unless regulated by the Railroad Commission of Texas)             | I: Oil and Gas Extraction Facilities             |
| 1381–1389       | Oil and Gas Field Services (applies only to activities that do not occur in the field) | I: Oil and Gas Extraction Facilities             |
| 1411            | Dimension Stone  | J: Mineral Mining and Dressing Facilities        |
| 1422–1429       | Crushed and Broken Stone, Including Rip Rap  | J: Mineral Mining and Dressing Facilities        |
| 1442, 1446      | Sand and Gravel Mining   | J: Mineral Mining and Dressing Facilities        |
| 1455, 1459      | Clay, Ceramic, and Refractory Materials  | J: Mineral Mining and Dressing Facilities        |
| 1474–1479       | Chemical and Fertilizer Mineral Mining   | J: Mineral Mining and Dressing Facilities        |
| 1481            | Nonmetallic Minerals, except Fuels   | J: Mineral Mining and Dressing Facilities        |
| 1499            | Miscellaneous Nonmetallic Minerals, except Fuels                                       | J: Mineral Mining and Dressing Facilities        |
| 2011–2015       | Meat Products  | U: Food and Kindred Products Facilities          |
| 2021–2026       | Dairy Products   | U: Food and Kindred Products Facilities          |
| 2032–2038       | Canned, Frozen, and Preserved Fruits, Vegetables, and Food Specialties                 | U: Food and Kindred Products Facilities          |
| 2041–2048       | Grain Mill Products  | U: Food and Kindred Products Facilities          |
| 2051–2053       | Bakery Products  | U: Food and Kindred Products Facilities          |
| 2061–2068       | Sugar and Confectionery Products   | U: Food and Kindred Products Facilities          |

To look up MSGP sectors for two-letter Industrial Activity Codes, see the table on page 6.  
(October 26, 2001, version)

**SIC Codes Subject to TPDES Multisector General Permit (TXR050000)**

| <b>SIC Code</b> | <b>General Description of the Industrial Activity</b>   | <b>Sector under the General Permit</b>  |
|-----------------|---|---|
| 2074–2079       | Fats and Oils   | U: Food and Kindred Products Facilities   |
| 2082–2087       | Beverages   | U: Food and Kindred Products Facilities   |
| 2091–2099       | Miscellaneous Food Preparations and Kindred Products  | U: Food and Kindred Products Facilities   |
| 2111–2141       | Tobacco Products  | U: Food and Kindred Products Facilities   |
| 2211–2299       | Textile Mill Products   | V: Textile Mills and Apparel- and Other-Fabric-Product-Manufacturing Facilities |
| 2311–2399       | Apparel and Other Finished Products Made from Fabrics and Similar Materials   | V: Textile Mills and Apparel- and Other-Fabric-Product-Manufacturing Facilities |
| 2411            | Log Storage and Handling (Wet deck storage areas where no chemical additives are used in the spray water or applied to the logs)  | A: Timber Products  |
| 2421            | General Sawmills and Planing Mills  | A: Timber Products  |
| 2426            | Hardwood Dimension and Flooring Mills   | A: Timber Products  |
| 2429            | Special Product Sawmills, Not Elsewhere Classified  | A: Timber Products  |
| 2431–2433       | Millwork, Veneer, Plywood, and Structural Wood  | A: Timber Products  |
| 2434            | Wood Kitchen Cabinets   | W: Furniture and Fixtures   |
| 2435–2439       | Millwork, Veneer, Plywood, and Structural Wood  | A: Timber Products  |
| 2441–2449       | Wood Containers   | A: Timber Products  |
| 2451, 2452      | Wood Buildings and Mobile Homes   | A: Timber Products  |
| 2491            | Wood Preserving   | A: Timber Products  |
| 2493            | Reconstituted Wood Products   | A: Timber Products  |
| 2499            | Wood Products Not Elsewhere Classified  | A: Timber Products  |
| 2511–2599       | Furniture and Fixtures  | W: Furniture and Fixtures   |
| 2611            | Pulp Mills  | B: Paper and Allied Products  |
| 2621            | Paper Mills   | B: Paper and Allied Products  |
| 2631            | Paperboard Mills  | B: Paper and Allied Products  |
| 2652–2657       | Paperboard Containers and Boxes   | B: Paper and Allied Products  |
| 2671–2679       | Converted Paper and Paperboard Products, Including Plastic Bags Produced from Plastics Film   | B: Paper and Allied Products  |
| 2711–2796       | Printing, Publishing, and Allied Industries   | X: Printing and Publishing  |
| 2812–2819       | Basic Industrial Inorganic Chemicals  | C: Chemical and Allied Products   |
| 2821–2824       | Plastic Materials, Synthetic Resins, Nonvulcanizable Elastomers (Synthetic Rubber), Cellulose Plastics Materials, and Other Manmade Fibers except Glass                 | C: Chemical and Allied Products   |
| 2833–2836       | Medicinal Chemicals and Botanical Products, Pharmaceutical Preparations, In Vitro and In Vivo Diagnostic Substances, Biological Products (except Diagnostic Substances) | C: Chemical and Allied Products   |

**SIC Codes Subject to TPDES Multisector General Permit (TXR050000)**

| <b>SIC Code</b> | <b>General Description of the Industrial Activity</b>  | <b>Sector under the General Permit</b>  |
|-----------------|--|---|
| 2841–2844       | Soaps and Detergents; Specialty Cleaning, Polishing, and Sanitation Preparations; Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants; Perfumes, Cosmetics, and Other Toilet Preparations | C: Chemical and Allied Products   |
| 2851            | Paints, Varnishes, Lacquers, Enamels, and Allied Products  | C: Chemical and Allied Products   |
| 2861–2869       | Industrial Organic Chemicals   | C: Chemical and Allied Products   |
| 2873–2879       | Agricultural Chemicals (Including Fertilizers, Pesticides and Fertilizers Solely from Leather Scraps and Leather Dust)   | C: Chemical and Allied Products   |
| 2891–2899       | Miscellaneous Chemical Products (Including Adhesives and Sealants, Explosives, Printing Ink, and Carbon Black)   | C: Chemical and Allied Products   |
| 2911            | Petroleum Refineries (unless required to obtain an individual permit)  | I: Oil and Gas Extraction Facilities  |
| 2951, 2952      | Asphalt Paving and Roofing Materials, Portable Asphalt Plants  | D: Asphalt Paving and Roofing Materials and Lubricants                                |
| 2992, 2999      | Miscellaneous Products of Petroleum and Coal, Including Lubricating Oils and Greases   | D: Asphalt Paving and Roofing Materials and Lubricants                                |
| 3011            | Tires and Inner Tubes  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities |
| 3021            | Rubber and Plastics Footwear   | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities |
| 3052, 3053      | Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting   | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities |
| 3061, 3069      | Fabricated Rubber Products Not Elsewhere Classified  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities |
| 3081–3089       | Miscellaneous Plastics Products  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities |
| 3111            | Leather Tanning and Finishing  | Z: Leather Tanning and Finishing  |
| 3131–3199       | Leather and Leather Products   | V: Textile Mills and Apparel- and Other-Fabric-Product-Manufacturing Facilities       |
| 3211            | Flat Glass   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                  |
| 3221, 3229      | Glass and Glassware, Pressed or Blown  | E: Glass Clay, Cement, Concrete, and Gypsum Products                                  |
| 3231            | Glass Products Made of Purchased Glass   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                  |
| 3241            | Hydraulic Cement   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                  |

**SIC Codes Subject to TPDES Multisector General Permit (TXR050000)**

| <b>SIC Code</b> | <b>General Description of the Industrial Activity</b>                                    | <b>Sector under the General Permit</b>  |
|-----------------|--|---|
| 3251–3259       | Structural Clay Products   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3261            | Vitreous China Plumbing Fixtures and China Earthenware Fittings and Bathroom Accessories | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3262–3269       | Pottery and Related Products   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3271–3275       | Concrete, Gypsum and Plaster Products  | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3281            | Cut Stone and Stone Products   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3291            | Abrasive Products  | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3292            | Asbestos Products  | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3295            | Minerals and Earths, Ground, or Otherwise Treated  | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3296            | Mineral Wool   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3297            | Non-Clay Refractories  | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3299            | Nonmetallic Mineral Products, Not Elsewhere Classified                                   | E: Glass Clay, Cement, Concrete, and Gypsum Products                                      |
| 3312–3317       | Steel Works, Blast Furnaces, and Rolling and Finishing Mills                             | F: Primary Metals   |
| 3321–3325       | Iron and Steel Foundries   | F: Primary Metals   |
| 3331–3339       | Primary Smelting and Refining of Nonferrous Metals                                       | F: Primary Metals   |
| 3341            | Secondary Smelting and Refining of Nonferrous Metals                                     | F: Primary Metals   |
| 3351–3357       | Rolling, Drawing, and Extruding of Nonferrous Metals                                     | F: Primary Metals   |
| 3363–3369       | Nonferrous Foundries (Castings)  | F: Primary Metals   |
| 3398, 3399      | Miscellaneous Primary Metal Products   | F: Primary Metals   |
| 3411–3499       | Fabricated Metal Products, except Machinery and Transportation Equipment                 | AA: Fabricated Metal Products Facilities  |
| 3511–3570       | Industrial and Commercial Machinery  | AB: Transportation Equipment, Industrial or Commercial Machinery Manufacturing Facilities |
| 3571–3579       | Computer and Office Equipment  | AC: Electronic, Electrical, Photographic, and Optical Goods                               |
| 3580–3599       | Industrial and Commercial Machinery  | AB: Transportation Equipment, Industrial or Commercial Machinery Manufacturing Facilities |
| 3612–3699       | Electronic, Electrical Equipment and Components, except Computer Equipment               | AC: Electronic, Electrical, Photographic, and Optical Goods                               |

**SIC Codes Subject to TPDES Multisector General Permit (TXR050000)**

| <b>SIC Code</b> | <b>General Description of the Industrial Activity</b>  | <b>Sector under the General Permit</b>  |
|-----------------|--|---|
| 3711–3730       | Transportation Equipment   | AB: Transportation Equipment, Industrial or Commercial Machinery Manufacturing Facilities |
| 3731, 3732      | Ship- and Boat-Building or Repairing Yards   | R: Ship- and Boat-Building or Repairing Yards   |
| 3733–3799       | Transportation Equipment   | AB: Transportation Equipment, Industrial or Commercial Machinery Manufacturing Facilities |
| 3812–3873       | Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods  | AC: Electronic, Electrical, Photographic, and Optical Goods                               |
| 3911–3915       | Jewelry, Silverware, and Plated Ware   | AA: Fabricated Metal Products Facilities  |
| 3931            | Musical Instruments  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 3942–3949       | Dolls, Toys, Games, and Sporting and Athletic Goods  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 3951            | Pens, Pencils, and Other Artists' Materials  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 3952            | China-Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting, Artists' Paints, and Artists' Watercolors                       | C: Chemical and Allied Products   |
|                 | All Other Lead Pencils, Crayons, and Artists' Materials  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 3953–3955       | Pens, Pencils, and Other Artists' Materials  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 3961 or 3965    | Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, except Precious Metal  | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 3991–3999       | Miscellaneous Manufacturing Industries   | Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities     |
| 4011, 4013      | Railroad Transportation—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs                      | P: Land Transportation and Warehousing  |
| 4111–4173       | Local and Highway Passenger Transportation—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs   | P: Land Transportation and Warehousing  |
| 4212–4220       | Motor Freight Transportation and Warehousing—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs | P: Land Transportation and Warehousing  |

**SIC Codes Subject to TPDES Multisector General Permit (TXR050000)**

| <b>SIC Code</b> | <b>General Description of the Industrial Activity</b>  | <b>Sector under the General Permit</b>  |
|-----------------|--|---|
| 4221–4225       | Motor Freight Transportation and Warehousing—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs   | P: Land Transportation and Warehousing  |
| 4226–4231       | Motor Freight Transportation and Warehousing—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs   | P: Land Transportation and Warehousing  |
| 4311            | United States Postal Service—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs   | P: Land Transportation and Warehousing  |
| 4412–4499       | Water Transportation—only if vehicle and equipment maintenance or cleaning occurs  | Q: Water Transportation                 |
| 4512–4581       | Air Transportation Facilities—only if vehicle maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication), equipment cleaning operations, or deicing occurs   | S: Air Transportation                   |
| 5015            | Automobile Salvage Yards   | M: Automobile Salvage Yards             |
| 5093            | Scrap Recycling Facilities (Scraps include metals, paper, plastic, cardboard, glass, animal hides, used oil, antifreeze, mineral spirits, industrial solvents and other materials)   | N: Scrap and Waste Recycling Facilities |
| 5171            | Petroleum Bulk Stations and Terminals—only if vehicle and equipment maintenance (including rehabilitation, mechanical repairs, painting, fueling, lubrication, and cleaning) occurs (Facilities that are regulated by the Railroad Commission of Texas must apply to the EPA for coverage) | P: Land Transportation and Warehousing  |

**Industrial Activity Codes Subject to TPDES Multisector General Permit TXR050000**

| <b>Industrial Activity Code</b> | <b>General Description of the Industrial Activity</b>  | <b>Sector under the General Permit</b>  |
|---------------------------------|--|---|
| HZ                              | Limited to Hazardous Waste Storage   | K: Hazardous Waste Storage Facilities   |
| LF                              | Limited to Landfills, Land Application Sites, and Open Dumps That Receive or Have Previously Received Industrial Waste, Including Sites Subject to Regulation under Subtitle D of the Resource Conservation and Recovery Act (RCRA). | L: Landfills and Land Application Sites |
| SE                              | Limited to Steam Electric Generating Facilities  | O: Steam Electric Generating Facilities |
| TW                              | Treatment Works  | T: Treatment Works                      |



**NaismithEngineering,Inc**  
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*ESTABLISHED 1949*

**APPENDIX – 3**



TPDES GENERAL PERMIT  
NO. TXR050000

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
P. O. Box 13087  
Austin, Texas 78711-3087

This general permit supersedes  
and replaces TPDES general  
permit No. TXR050000, issued  
August 20, 2001.

GENERAL PERMIT TO DISCHARGE WASTES

under provisions of  
Section 402 of the Clean Water Act  
and Chapter 26 of the Texas Water Code

Industrial facilities that discharge storm water associated with industrial activity

located in the state of Texas

may discharge to surface water in the state

only according to effluent limitations, monitoring requirements and other conditions set forth in this general permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the Commission of the TCEQ (Commission). The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this general permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This general permit and the authorization contained herein shall expire at midnight, five years from date of issuance.

ISSUED AND EFFECTIVE DATE: **AUG 14 2006**

*Kathleen H. White*  
\_\_\_\_\_  
For the Commission



**TPDES GENERAL PERMIT NO. TXR050000 RELATING TO STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY**

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**Part I. Definitions**

All definitions in Section 26.001 of the Texas Water Code and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

Best management practices (BMPs) - schedules of activities, prohibitions of practices, maintenance procedures, and other techniques to control, prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spills or leaks, sludge or waste disposal, or drainage from raw material storage areas.

Co-located industrial activities - Industrial activities, conducted at a single facility, that are described by two or more sectors of this general permit.

Co-located industrial facilities - Industrial facilities, having different operators, that are located on a common property or adjoining property and that conduct industrial activities described by one or more sectors of this general permit.

Composite Sample - a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements. When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.

Daily maximum concentration - the maximum concentration measured on a single day, as determined by laboratory analysis of a grab sample.

Discharge - for the purpose of this permit, drainage, release or disposal into surface water in the state.

Edwards Aquifer - As defined under Texas Administrative Code § 213.3 of this title (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

Edwards Aquifer Recharge Zone - Generally that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located in the offices of the Texas Commission on Environmental Quality and the appropriate underground water conservation district.

Facility - for the purpose of this permit, all contiguous land and fixtures (including ponds and lagoons), structures, or appurtenances used at an industrial facility described by one or more of Sectors A through AD of this general permit.

Grab sample - An individual sample collected in less than 15 minutes.

General permit - A permit issued to authorize the discharge of waste into or adjacent to water in the state for one or more categories of waste discharge within a geographical area of the state or the entire state as provided by § 26.040, Texas Water Code.

Hyperchlorination of waterlines - Treatment of potable water lines or tanks with chlorine for disinfection purposes, typically following repair or partial replacement of the waterline or tank, and subsequently flushing the contents.

Inactive Industrial Facilities - A facility where all industrial activities that are described in Part II.A.1. of this permit are suspended, and where an authorization under this general permit is maintained.

Inland water - All surface water in the state other than those defined as a tidal water.

Municipal separate stormsewer system (MS4)- A separate storm sewer system owned or operated by the U.S., a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to surface water in the state.

National Pollutant Discharge Elimination System (NPDES) - The federal program under which the administrator of the United States Environmental Protection Agency can authorize discharges of waste to waters of the United States according to the Section 402 of the Federal Water Pollution Control Act, and may also delegate this permitting authority to the State of Texas.

Non-structural controls - Pollution prevention methods that are not physically constructed, including best management practices, used to prevent or reduce the discharge of pollutants.

No Exposure Certification (NEC) - A written submission to the executive director from an applicant notifying their intent to obtain a conditional exclusion from permit requirements by certifying that there is no exposure of industrial materials or activities to precipitation or runoff.

Notice of Change (NOC) - Written notification from the permittee to the executive director providing changes to information that was previously provided to the agency in a notice of intent or no exposure certification (NEC) form.

Notice of Intent (NOI) - A written submission to the executive director from an applicant requesting coverage under this general permit.

Notice of Termination (NOT) - A written submission to the executive director from a discharger authorized under a general permit requesting termination of coverage.

Operator - Person that is responsible for the management of an industrial facility subject to the provisions of this general permit.

Outfall - For the purpose of this permit, a point source at the point where storm water runoff associated with industrial activity discharges to surface water in the state and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other waters of the U.S. and are used to convey waters of the U.S.

Permittee - An operator authorized under this general permit, either by submission of a notice of intent or a conditional no-exposure exclusion form, to discharge stormwater runoff and certain non-stormwater discharges associated with industrial activity.

Point Source - (from 40 CFR § 122.22) any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

Pollutant - (from Water Code, § 26.001(13)) dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any water in the state. The term : (A) includes: (i) tail water or runoff water from irrigation associated with an animal feeding operation or concentrated animal feeding operation that is located in a major sole source impairment zone as defined by Section 26.502; or (ii) rainwater runoff from the confinement area of an animal feeding operation or concentrated animal feeding operation that is located in a major sole source impairment zone, as defined by Section 26.502; and (B) does not include tail water or runoff water from irrigation or rainwater runoff from other cultivated or uncultivated rangeland, pastureland, and farmland or rainwater runoff from an area of land located in a major sole source impairment zone, as defined by Section 26.502, that is not owned or controlled by an operator of an animal feeding operation or concentrated animal feeding operation on which agricultural waste is applied.

Reportable Quantity Spill - a discharge or spill of oil, petroleum product, used oil, hazardous substances, industrial solid waste, or other substances into the environment in a quantity equal to or greater than the reportable quantity listed in 30 TAC § 327.4 (relating to Reportable Quantities) in any 24-hour period.

Separate storm sewer system - A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying storm water; that is not a combined sewer, and that is not part of a publicly owned treatment works (POTW).

Significant materials - Including, but not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; final products that are not designed for outdoor use; raw materials that are used for food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the operator is required to report pursuant to Section 313 of the Emergency Planning & Community Right-To-Know Act (EPCRA), also known as Title III of Superfund Amendments and Reauthorization Act (SARA); fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

Solid waste management unit - for the purposes of this permit, a storm water detention pond, storm water retention pond, or other similar dedicated pond used for removal of suspended solids. Specifically excluded from this definition are other control structures, including berms, grass swales, pipes and ditches or other similar storm water conveyances, and silt fences.

Storm resistant shelter - Includes completely roofed and walled buildings or structures, and structures with only a top cover but no side coverings, provided material under the structure is not subject to any run-on and subsequent runoff of storm water.

Storm water and storm water runoff - Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Storm water discharges associated with industrial activity- Storm water runoff that exits any conveyance that is used for collecting and conveying storm water that is directly related to manufacturing, processing, material storage, and waste material disposal areas (and similar areas where storm water can contact industrial pollutants related to the industrial activity) at an industrial facility described by one or more of Sectors A through AD of this general permit. The definition is restricted, for the purposes of this general permit, to those storm water discharges that qualify for authorization under the provisions of this general permit (on an outfall by outfall consideration).

Structural control - Physical, constructed features, such as silt fencing, sediment traps, and detention/retention ponds, that prevent or reduce the discharge of pollutants.

Surface Water in the State - Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHW) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Texas Pollutant Discharge Elimination System (TPDES) - The state program for issuing, amending, terminating, monitoring, and enforcing permits, and imposing and enforcing pretreatment requirements, under Clean Water Act §§ 307, 402, 318 and 405, the Texas Water Code and Texas Administrative Code regulations.

Tidal water - Those waters of the Gulf of Mexico within the jurisdiction of the State of Texas, bays and estuaries, and those portions of rivers and streams that are subject to the ebb and flow of the tides and that are subject to the intrusion of marine waters.

Waters of the United States - (from title 40, part 122, section 2 of the Code of Federal Regulations) Waters of the United States or waters of the U.S. means:

- (a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- (b) all interstate waters, including interstate wetlands;
- (c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
  - (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;
  - (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
  - (3) which are used or could be used for industrial purposes by industries in interstate commerce;

- (d) all impoundments of waters otherwise defined as waters of the United States under this definition;
- (e) tributaries of waters identified in paragraphs (a) through (d) of this definition;
- (f) the territorial sea; and
- (g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (such as disposal areas in wetlands) nor resulted from the impoundment of waters of the United States. [See Note 1 of this section.] Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

**Part II. Permit Applicability and Coverage**

This general permit provides authorization for point source discharges of storm water associated with industrial activity to surface water in the state (including direct discharges to surface water in the state and discharges to municipal separate storm sewer systems, or MS4s). The permit contains effluent limitations and requirements applicable to all industrial activities that are eligible for coverage under this general permit. Industrial activities are subdivided into 30 sectors of industry.

**Section A. Discharges Eligible for Authorization by General Permit**

**1. Industrial Activities Covered**

Industrial activities are grouped into 30 sectors of similar activities based on either Standard Industrial Classification (SIC) codes or Industrial Activity Codes. Coverage under this general permit may be obtained to authorize discharges of stormwater associated with industrial activity, and certain other non-storm water discharges, from the following sectors:

| <b>SECTOR A: TIMBER PRODUCTS</b>           |  |
|--|--|
| <b>SIC Code</b>                            | <b>Description of Industry Sub-sector</b>  |
| 2411                                       | Log Storage and Handling (Wet deck storage areas where no chemical additives are used in the spray water or applied to the logs) |
| 2421                                       | General Sawmills and Planning Mills  |
| 2426                                       | Hardwood Dimension and Flooring Mills  |
| 2429                                       | Special Product Sawmills, Not Elsewhere Classified   |
| 2431-2439<br>(except 2434)                 | Millwork, Veneer, Plywood, and Structural Wood<br>(2434 - Wood Kitchen Cabinets, see Sector W)                                   |
| 2441-2449                                  | Wood Containers  |
| 2451,2452                                  | Wood Buildings and Mobile Homes  |
| 2491                                       | Wood Preserving  |
| 2493                                       | Reconstituted Wood Products  |
| 2499                                       | Wood Products Not Elsewhere Classified   |
| <b>SECTOR B: PAPER AND ALLIED PRODUCTS</b> |  |
| <b>SIC Code</b>                            | <b>Description of Industry Sub-sector</b>  |
| 2611                                       | Pulp Mills   |
| 2621                                       | Paper Mills  |
| 2631                                       | Paperboard Mills   |
| 2652 - 2657                                | Paperboard Containers and Boxes  |
| 2671 - 2679                                | Converted Paper and Paperboard Products, Including Plastic Bags Produced from Plastics Film                                      |



| <b>SECTOR C: CHEMICAL AND ALLIED PRODUCTS</b>                        |   |
|--|---|
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>   |
| 2812 - 2819  | Basic Industrial Inorganic Chemicals  |
| 2821 - 2824  | Plastic Materials, Synthetic Resins, Non-vulcanizable Elastomers (Synthetic Rubber), Cellulose Plastics Materials, and Other Manmade Fibers Except Glass  |
| 2833 - 2836  | Medicinal Chemicals and Botanical Products, Pharmaceutical Preparations, In Vitro and In Vivo Diagnostic Substances, Biological Products (Except Diagnostic Substances).  |
| 2841 - 2844  | Soaps and Detergents; Specialty Cleaning, Polishing, and Sanitation Preparations, Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants, Perfumes, Cosmetics, and Other Toilet Preparations; |
| 2851   | Paints, Varnishes, Lacquers, Enamels, and Allied Products   |
| 2861 - 2869  | Industrial Organic Chemicals (including commercial composting operations)   |
| 2873 - 2879  | Agricultural Chemicals (Including Fertilizers, Pesticides, Fertilizers Solely from Leather Scraps and Leather Dust, and Mixing of Fertilizers, Compost, and Potting Soils)                                      |
| 2891 - 2899  | Miscellaneous Chemical Products (Including Adhesives and Sealants, Explosives, Printing Ink, and Carbon Black)  |
| 3952<br>(Limited to List)  | Inks and Paints, including: China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting; Artist's Paints, and Artist's Watercolors                |
| <b>SECTOR D: ASPHALT PAVING AND ROOFING MATERIALS AND LUBRICANTS</b> |   |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>   |
| 2951, 2952   | Asphalt Paving and Roofing Materials, Portable Asphalt Plants   |
| 2992, 2999   | Miscellaneous Products of Petroleum and Coal Including Oils and Greases   |
| <b>SECTOR E: GLASS, CLAY, CEMENT, CONCRETE, AND GYPSUM PRODUCTS</b>  |   |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>   |
| 3211   | Flat Glass  |
| 3221, 3229   | Glass and Glassware, Pressed or Blown   |
| 3231   | Glass Products Made of Purchased Glass  |
| 3241   | Hydraulic Cement  |
| 3251-3259  | Structural Clay Products  |
| 3261   | Vitreous China Plumbing Fixtures and China Earthenware Fittings and Bathroom Accessories  |
| 3262-3269  | Pottery and Related Products  |
| 3281   | Cut Stone and Stone Products  |

| <b>SECTOR E: GLASS, CLAY, CEMENT, CONCRETE, AND GYPSUM PRODUCTS<br/>(continued)</b> |  |
|---|--|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                    |
| 3271- 3275  | Concrete, Lime, Gypsum and Plaster Products                  |
| 3291, 3292  | Asbestos Products  |
| 3295  | Minerals and Earth's, Ground, or Otherwise Treated           |
| 3296  | Mineral Wool   |
| 3297  | Non-Clay Refractories  |
| 3299  | Nonmetallic Mineral Products, Not Elsewhere Classified       |
| <b>SECTOR F: PRIMARY METALS</b>   |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                    |
| 3312-3317   | Steel Works, Blast Furnaces, and Rolling and Finishing Mills |
| 3321-3325   | Iron and Steel Foundries                                     |
| 3331-3339   | Primary Smelting and Refining of Nonferrous Metals           |
| 3341  | Secondary Smelting and Refining of Nonferrous Metals         |
| 3351-3357   | Rolling, Drawing, and Extruding of Nonferrous Metals         |
| 3363-3369   | Nonferrous Foundries (Castings)                              |
| 3398, 3399  | Miscellaneous Primary Metal Products                         |
| <b>SECTOR G: METAL MINING (ORE MINING AND DRESSING)</b>                             |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                    |
| 1011  | Iron Ores  |
| 1021  | Copper Ore Mining and Dressing                               |
| 1031  | Lead and Zinc Ores   |
| 1041, 1044  | Gold and Silver Ores   |
| 1061  | Ferro alloy Ores, Except Vanadium                            |
| 1081  | Metal Mining Services  |
| 1094, 1099  | Miscellaneous Metal Ores                                     |
| <b>SECTOR H: COAL MINES AND COAL MINING RELATED FACILITIES</b>                      |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                    |
| 1221-1241   | Coal Mines and Coal Mining-Related Facilities                |

| <b>SECTOR I: OIL AND GAS EXTRACTION FACILITIES</b>                           |  |
|--|--|
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>  |
| 1311   | Crude Petroleum and Natural Gas  |
| 1321   | Natural Gas Liquids  |
| 1381-1389  | Oil and Gas Field Services   |
| 2911   | Petroleum Refineries   |
| <b>SECTOR J: MINERAL MINING AND DRESSING FACILITIES</b>                      |  |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>  |
| 1411   | Dimension Stone  |
| 1422-1429  | Crushed and Broken Stone, Including Rip Rap  |
| 1442, 1446   | Sand and Gravel Mining   |
| 1455, 1459   | Clay, Ceramic, and Refractory Materials  |
| 1474-1479  | Chemical and Fertilizer Mineral Mining   |
| 1481   | Nonmetallic Minerals, Except Fuels   |
| 1499   | Miscellaneous Nonmetallic Minerals, Except Fuels   |
| <b>SECTOR K: HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES</b> |  |
| <b>Activity Code</b>   | <b>Description of Industry Sub-sector</b>  |
| HZ   | Limited to Hazardous Waste Storage or Disposal   |
| <b>SECTOR L: LANDFILLS AND LAND APPLICATION SITES</b>                        |  |
| <b>Activity Code</b>   | <b>Description of Industry Sub-sector</b>  |
| LF   | Limited to Landfills, Land Application Sites, and Open Dumps that Receive or Have Previously Received Industrial Waste, including sites subject to regulation under Subtitle D of the Resource Conservation and Recovery Act (RCRA). |
| <b>SECTOR M: AUTOMOBILE SALVAGE YARDS</b>                                    |  |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>  |
| 5015   | Automobile Salvage Yards   |
| <b>SECTOR N: SCRAP AND WASTE RECYCLING FACILITIES</b>                        |  |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>  |
| 5093   | Scrap Recycling Facilities (Scraps include metals, paper, plastic, cardboard, glass, animal hides, used oil, antifreeze, mineral spirits, industrial solvents and other materials)   |

| <b>SECTOR O: STEAM ELECTRIC GENERATING FACILITIES</b>      |  |
|--|--|
| <b>Activity Code</b>                                       | <b>Description of Industry Sub-sector</b>                            |
| SE   | Limited to Steam Electric Generating Facilities                      |
| <b>SECTOR P: LAND TRANSPORTATION AND WAREHOUSING</b>       |  |
| <b>Sic Code</b>  | <b>Description of Industry Sub-sector</b>                            |
| 4011, 4013   | Railroad Transportation  |
| 4111-4173  | Local and Highway Passenger Transportation                           |
| 4212-4231  | Motor Freight Transportation and Warehousing                         |
| 4311   | United States Postal Service   |
| 5171   | Petroleum Bulk Stations and Terminals                                |
| <b>SECTOR Q: WATER TRANSPORTATION</b>                      |  |
| <b>Sic Code</b>  | <b>Description of Industry Sub-sector</b>                            |
| 4412-4499  | Water Transportation   |
| <b>SECTOR R: SHIP AND BOAT BUILDING OR REPAIRING YARDS</b> |  |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>                            |
| 3731, 3732   | Ship and Boat Building or Repairing Yards                            |
| <b>SECTOR S: AIR TRANSPORTATION</b>                        |  |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>                            |
| 4512-4581  | Air Transportation Facilities  |
| <b>SECTOR T: TREATMENT WORKS</b>                           |  |
| <b>Activity Code</b>                                       | <b>Description of Industry Sub-sector</b>                            |
| TW   | Treatment Works  |
| <b>SECTOR U: FOOD AND KINDRED PRODUCTS FACILITIES</b>      |  |
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>                            |
| 2011-2015  | Meat Products  |
| 2021-2026  | Dairy Products   |
| 2032-2038  | Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties |
| 2041-2048  | Grain Mill Products  |
| 2051-2053  | Bakery Products  |

| <b>SECTOR U: FOOD AND KINDRED PRODUCTS FACILITIES (continued)</b>   |  |
|---|--|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                                      |
| 2061-2068   | Sugar and Confectionery Products   |
| 2074-2079   | Fats and Oils  |
| 2082-2087   | Beverages  |
| 2091-2099   | Miscellaneous Food Preparations and Kindred Products                           |
| 2111-2141   | Tobacco Products   |
| <b>SECTOR V: TEXTILE MILLS, APPAREL, AND OTHER FABRIC PRODUCT MANUFACTURING FACILITIES</b>                      |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                                      |
| 2211-2299   | Textile Mill Products  |
| 2311-2399   | Apparel and Other Finished Products Made From Fabrics and Similar Materials    |
| 3131-3199   | Leather and Leather Products, except Leather Tanning and Finishing             |
| <b>SECTOR W: FURNITURE AND FIXTURES</b>   |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                                      |
| 2434  | Wood Kitchen Cabinets  |
| 2511-2599   | Furniture and Fixtures   |
| <b>SECTOR X: PRINTING AND PUBLISHING</b>  |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                                      |
| 2711-2796   | Printing, Publishing, and Allied Industries                                    |
| <b>SECTOR Y: RUBBER, MISCELLANEOUS PLASTIC PRODUCTS, AND MISCELLANEOUS MANUFACTURING FACILITIES</b>             |  |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                                      |
| 3011  | Tires and Inner Tubes  |
| 3021  | Rubber and Plastics Footwear   |
| 3052, 3053  | Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting |
| 3061, 3069  | Fabricated Rubber Products, Not Elsewhere Classified                           |
| 3081-3089   | Miscellaneous Plastics Products  |
| 3931  | Musical Instruments  |
| <b>SECTOR Y: RUBBER, MISCELLANEOUS PLASTIC PRODUCTS, AND MISCELLANEOUS MANUFACTURING FACILITIES (continued)</b> |  |

| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>   |
|---|---|
| 3942-3949   | Dolls, Toys, Games and Sporting and Athletic Goods  |
| 3951-3955 (except 3952)   | Pens, Pencils, and Other Artists' Materials<br>SIC 3952 See Sector C                          |
| 3961,3965   | Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal |
| 3991-3999   | Miscellaneous Manufacturing Industries  |
| <b>SECTOR Z: LEATHER TANNING AND FINISHING</b>  |   |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>   |
| 3111  | Leather Tanning and Finishing   |
| <b>SECTOR AA: FABRICATED METAL PRODUCTS FACILITIES</b>  |   |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>   |
| 3411-3499   | Fabricated Metal Products, Except Machinery and Transportation Equipment                      |
| 3911-3915   | Jewelry, Silverware, and Plated Ware  |
| <b>SECTOR AB: TRANSPORTATION EQUIPMENT, INDUSTRIAL OR COMMERCIAL MACHINERY MANUFACTURING FACILITIES</b> |   |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>   |
| 3511-3599<br>(except 3571-3579)   | Industrial and Commercial Machinery<br>(Computer and Office Equipment, see Sector AC)         |
| 3711-3799<br>(except 3731,3732)   | Transportation Equipment<br>(Ship and Boat Building and Repairing, see Sector R)              |
| <b>SECTOR AC: ELECTRONIC, ELECTRICAL, PHOTOGRAPHIC, AND OPTICAL GOODS</b>                               |   |
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>   |
| 3571-3579   | Computer and Office Equipment   |
| 3612-3699   | Electronic, Electrical Equipment and Components, except Computer Equipment                    |
| 3812-3873   | Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods               |

| <b>SECTOR AD: MISCELLANEOUS INDUSTRIAL ACTIVITIES</b> |  |
|---|--|
| <b>SIC Code</b>                                       | Description of Industry Sub-sector                                       |
| Not applicable  | Miscellaneous Industrial Activities Designated by the Executive Director |

The need for a permit, and the eligibility for coverage under this general permit, is determined either by a facility’s primary SIC code or by an Industrial Activity Code that is described in this general permit. This general permit includes four Industrial Activity Codes: HZ (Hazardous Waste), LF (Landfills), SE (Steam Electric Power Generation), and TW (Treatment Works). Sectors of industrial activity are divided into sub-sectors and further defined by SIC codes in Part V of this general permit.

Operators of facilities with a primary SIC code that is included in Part V of this general permit must obtain authorization for discharges of storm water associated with industrial activity and are eligible for coverage under this general TPDES permit. The requirements for federal facilities and military installations are further described below in Part II.A.5. of this general permit. Additionally, the operator of any facility that conducts activities described by an Industrial Activity Code that is included in Part V of this general permit; must obtain authorization for discharges of storm water associated with industrial activity and are eligible for coverage under this TPDES general permit.

Sector AD is used to provide permit coverage for facilities that are designated by the executive director as needing a permit to control pollution related to storm water discharges and that do not meet the description of an industrial activity covered by Sectors A-AC. A facility that is not otherwise listed in Part V of this general permit is not eligible to apply for coverage under AD unless directed to do so in writing by the executive director.

**2. Co-located Industrial Activities**

Operators are required to either obtain authorization under this general permit, under an individual TPDES storm water permit, or under an alternative general permit if the primary SIC code for the facility is one of those listed in Part V of this general permit or if the facility conducts any of the industrial activities described by the Industrial Activity Codes (HZ, LF, SE, or TW) listed in the table in Part II.A.1. above. If these facilities conduct additional activities that are described by a secondary SIC code that is listed in the table, then these additional activities are described as co-located activities. Storm water discharges from co-located industrial activities may be authorized under this general permit, provided that the operator complies with all of the sector specific requirements defined in Part V of this general permit for each of these co-located activities. The sector specific requirements apply only to the portion of the facility where that specific sector of activity occurs, except where runoff from different activities combine before leaving the property. In cases where these discharges combine, the monitoring requirements and effluent limitations from each sector that contributes runoff to the discharge must be met.

**3. Co-located Industrial Facilities**

Facilities are required to either obtain authorization under this general permit, under an individual TPDES storm water permit, or under an alternative general permit, if the primary SIC code for the facility is one of those listed in Part II.A.1. of this general permit, or if the facility conducts any of the industrial activities described by the Industrial Activity Codes listed in Part II.A.1. Multiple industrial facilities may be described as “co-located” if they share a common property boundary. If authorization under this general permit is sought, the operator of each of co-located facility must individually submit a notice of

intent (NOI) to obtain coverage under this general permit. Each co-located facility will be issued a distinct authorization number. Each co-located industrial facility operator may either develop a separate storm water pollution prevention plan (SWP3, or “plan”), or may participate in a shared SWP3. Co-located industrial facilities that develop a shared SWP3 must develop the SWP3 to meet the requirements stated in Parts III and V of this general permit, in addition to the following:

- (a) **Participants** - The SWP3 must clearly list the name and authorization number (when known) for each facility that participates in the shared SWP3. Each participant in the shared plan must sign the SWP3 according to 30 TAC § 305.128 (relating to Signatories to Reports.)
- (b) **Responsibilities** - The SWP3 must clearly indicate which permittee is responsible for performing each shared element of the SWP3. If the responsibility for performing an element is not described in the plan, then each permittee is entirely responsible for performing the element within the boundaries of its facility and in any common or shared area. The SWP3 must clearly describe responsibilities for meeting each element in shared or common areas.
- (c) **Site Map** - The site map must clearly delineate the boundaries around each co-located industrial facility and the boundaries around shared or common areas that are used by two or more facilities.

#### **4. Requirements for Military Installations and Other Federal Facilities**

Storm water discharges from military installations and other federal facilities that conduct any industrial activities described by a primary SIC code or Industrial Activity Code that is listed in Part II.A.1. and Part V of this general permit must either be authorized under this general permit, an individual TPDES storm water permit, or an alternative general permit. For example, the primary SIC code of military installations is 9711, which is not listed in this general permit; however, the need for a permit will be based on any individual activities that occur at the installation.

#### **5. Non-Storm Water Discharges**

Industrial facilities that qualify for coverage under this general permit may discharge the following non-storm water discharges through outfalls identified in the SWP3, according to the requirements of this general permit:

- (a) discharges from fire fighting activities and uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- (b) potable water sources (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- (c) lawn watering and similar irrigation drainage;
- (d) water from the routine external washing of buildings, conducted without the use of detergents or other chemicals;
- (e) water from the routine washing of pavement conducted without the use of detergents or other chemicals and where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed);
- (f) uncontaminated air conditioner condensate, compressor condensate, and steam condensate;



- (g) water from foundation or footing drains where flows are not contaminated with pollutants (e.g., process materials, solvents, and other pollutants);
- (h) uncontaminated water used for dust suppression;
- (i) springs and other uncontaminated ground water; and
- (j) other discharges described in Part V of this permit that are subject to effluent guidelines and effluent limitations.

## **Section B. Limitations on Permit Coverage**

### **1. Suspension or Revocation of Permit Coverage**

Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee shall furnish to the executive director, upon request, any information necessary for the executive director to determine whether cause exists for revoking, suspending, or terminating authorization under this permit. Additionally, the permittee shall provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of the permit.

Failure to comply with any permit condition is a violation of the permit and the statutes under which it was issued, and is grounds for enforcement action, terminating coverage under this general permit, or requiring the permittee to apply for and obtain an individual TPDES permit or alternative general permit.

### **2. Discharges Authorized by Another TPDES Permit**

Discharges authorized by an individual TPDES permit or another general TPDES permit may only be authorized under this TPDES general permit if the following conditions are met:

- (a) the discharges meet the applicability and eligibility requirements for coverage under this general permit;
- (b) the current individual or alternative general permit does not contain numeric water quality-based effluent limitations for the discharge (unless industrial activities that resulted in the limitations have ceased and any contamination that resulted in these limitations has been removed or remediated);
- (c) specific best management practice (BMP) requirements of the current individual permit are continued as a provision of the SWP3;
- (d) the executive director has not determined that continued coverage under an individual permit is required based on consideration of a total maximum daily loading (TMDL) model, anti-backsliding policy, history of substantive non-compliance or other considerations and requirements of 30 TAC Chapter 205, or other site-specific considerations; and
- (e) a previous application or permit for the discharges has not been denied, terminated, or revoked by the executive director as a result of enforcement or water quality related concerns. The executive director may provide a waiver to this provision based on new circumstances at the facility or if the operations of the facility have since passed to a new operator.

**3. Storm Water Discharges from Construction Activity**

Discharges of stormwater associated with construction activities are not eligible for authorization by this general permit. Discharges of storm water that are regulated under this permit and that combine with storm water from construction activities are not eligible for coverage by this general permit unless the construction site runoff meets one of the following: is authorized under a separate TPDES permit; is authorized under a separate National Pollutant Discharge Elimination System (NPDES) permit; or does not require permit coverage.

**4. Storm Water Discharges from Salt Storage Piles**

Storm water that contacts salt storage piles (e.g., salt for deicing or other commercial or industrial purposes) may not be discharged to surface water in the state under authority of this general permit. Storm water that contacts salt storage piles must be discharged under the authority of an individual TPDES permit, alternative general permit, or captured within a containment structure. Stormwater that contacts salt storage piles and is captured must either be disposed of in a manner that does not allow a discharge into or adjacent to water in the state, or in a manner otherwise approved by the executive director.

**5. Discharges of Storm Water Mixed with Non-Storm Water**

Storm water discharges associated with industrial activity that combine with sources of non-stormwater are not eligible for coverage by this general permit, unless either the non-storm water source is described in Part II.A.5. of this permit or the non-stormwater source is authorized under a separate TPDES permit.

**6. Compliance With Water Quality Standards**

Discharges that would cause or contribute to a violation of water quality standards, or that would fail to protect and maintain existing designated uses of receiving waters are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative general permit to authorize discharges of storm water from any industrial facility that is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use of receiving waters.

**7. Discharges to Water Quality-Impaired Receiving Waters**

New sources or new discharges of the constituent(s) of concern to impaired waters are not authorized by this permit, unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standard(s) and are listed on the Clean Water Act Section 303(d) list. Constituents of concern are those for which the water body is listed as impaired.

Discharges of the constituent(s) of concern to impaired water bodies for which there is a TMDL implementation plan are not eligible for this permit unless they are consistent with the approved TMDL and the implementation plan. Permitted facilities must incorporate the limitations, conditions, and requirements applicable to their discharges, including monitoring frequency and reporting required by TCEQ rules into their SWP3 in order to be eligible for permit coverage. For discharges not eligible for coverage under this permit, the discharger must apply for and receive an individual permit or other applicable general TPDES permit prior to discharging.

**8. Discharges to the Edwards Aquifer Recharge Zone**

Discharges of storm water associated with industrial activity and other non-storm water discharges can not be authorized by this general permit where those discharges are prohibited by 30 TAC Chapter 213 (relating to Edwards Aquifer). New discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, must meet all applicable requirements of, and operate according to 30 TAC Chapter 213, in addition to the provisions and requirements of this general permit.

For existing discharges, the requirements of the agency approved Water Pollution Abatement Plan under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural storm water controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in storm water runoff are in addition to the effluent limitation requirements and benchmark goals in this general permit for this pollutant. A copy of the agency approved Water Pollution Abatement Plans that are required by the Edwards Aquifer Rule shall be attached as a part of the SWP3.

For discharges located within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants shall also submit a copy of the NOI to the appropriate TCEQ regional office.

Counties: Contact \_\_\_\_\_:

Comal, Bexar, Medina, Uvalde, and Kinney

TCEQ  
Water Program Manager  
San Antonio Regional Office  
14250 Judson Road  
San Antonio, Texas  
(210) 490-3096

Williamson, Travis, and Hays

TCEQ  
Water Program Manager  
Austin Regional Office  
1921 Cedar Bend Drive, Suite. 150  
Austin, Texas  
(512) 339-2929

**9. Discharges to Specific Watersheds and Water Quality Areas**

Discharges of storm water associated with industrial activity and other non-storm water discharges can not be authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

**10. Protection of Streams and Watersheds by Home-Rule Municipalities**

This general permit does not limit the authority of a home-rule municipality provided by Section 401.002 of the Texas Local Government Code.

**11. Facilities with No Discharge to Surface Water in the State**

A facility that does not discharge storm water to an MS4 nor to surface water in the state may not be required to obtain coverage under this general permit if the operator demonstrates that no discharges have occurred nor will occur in the future. The operator may be required to demonstrate, using engineering

calculations or similar methods, that the facility will not discharge storm water associated with industrial activity.

Facilities that dispose of storm water by any of the following practices would not be required to obtain coverage under this general permit nor under an individual permit:

- (a) Recycling of the storm water with no resulting discharge into or adjacent to surface water in the state;
- (b) Pumping and hauling of the storm water to an authorized disposal facility;
- (c) Discharge of the storm water to a publicly-owned treatment works (POTW);
- (d) Underground injection of the storm water in accordance with 30 TAC Chapter 331;
- (e) Discharge to above ground storage tanks with no resulting discharge into or adjacent to water in the state;
- (f) Containment of all storm water within property boundaries, with no discharge into surface water in the state, including no discharge during, or as the result of, any storm event.

### **Section C. Obtaining Authorization to Discharge**

#### **1. Conditional No Exposure Exclusion from Permit Requirements**

Facilities regulated under this general permit may be excluded from permit requirements if there is no exposure of industrial materials or activities from precipitation or runoff. To qualify for a no exposure exclusion from permit requirements, the operator of the facility must provide certification that industrial activities and materials are isolated from storm water and storm water runoff by storm resistant shelters. The certification shall be submitted to the TCEQ on a form provided by the executive director or using a format approved by the executive director. The facility is subject to inspection by authorized TCEQ personnel to determine compliance with the no exposure exclusion. Facilities that qualify for this exclusion and that contribute storm water discharges to a municipal separate storm sewer system (MS4) shall provide copies of the certification to the operator of the MS4.

The following materials and activities are not required to be isolated from storm water and storm water runoff in order to meet the no exposure exclusion:

- (a) drums, barrels, and similar containers that are tightly sealed, in good structural condition, without operational valves, and storage tanks in good structural condition without leaking valves;
- (b) final products, that are designed for outdoor use, except products that could be transported by storm water runoff (e.g., rock salt, wood chips);
- (c) pallets used to store or transport final products intended for outdoor use, if the pallets are new or do not contain pollutants; and
- (d) vehicles used in material handling that are adequately maintained to prevent leaking fluids.

Facilities which at one time qualify for the no exposure exclusion from permit requirements, but which change operating or management practices so as to result in exposure of industrial activities to storm water, must obtain permit coverage to discharge storm water before implementing the changes that result in exposure of industrial activities to storm water runoff.

## 2. Application for Coverage

Applicants seeking authorization to discharge under this general permit shall submit a completed NOI on a form approved by the executive director. Provisional authorization begins 48 hours after a completed NOI is postmarked for delivery to the TCEQ. If the TCEQ provides for electronic submission of NOIs during the term of this permit, provisional authorization begins 24 hours following confirmation of receipt of the electronic NOI form by the TCEQ. Following review of the NOI, the executive director will: 1) determine that the NOI is complete and confirm coverage by providing a written notification and an authorization number; 2) determine that the NOI is incomplete and request additional information needed to complete the NOI; or 3) deny coverage in writing. Denial of coverage will be made in accordance with TCEQ rules related to General Permits for Waste Discharges, 30 TAC § 205.4.. Application deadlines are as follows:

- (a) Existing Industrial Facilities - Facilities that are authorized under the previous Texas Pollutant Discharge Elimination System (TPDES) permit for discharges associated with industrial activity (TXR050000, issued August 20, 2001) may continue to operate under the provisions of that permit for 90 days after the issuance date of this general permit. Facilities which elect to utilize electronic NOI submittal may continue to operate under the provisions of the previous permit for 120 days after issuance of this general permit. Within 90 days following the effective date of this general permit, existing permittees must obtain coverage under this permit, except that permittees which obtain coverage by submitting an NOI electronically must obtain coverage within 120 days following the effective date of this general permit. The Executive Director may grant written request for extension for good cause if such written request is received no later than 15 days before the deadline for filing a paper NOI (75 days following permit issuance).

Facilities that are authorized under the previous National Pollutant Discharge Elimination System (NPDES) permit for discharges associated with industrial activity (TXR050000, issued by the U.S. EPA in 1995) and that had been granted extensions by the executive director for obtaining coverage under this general permit must submit an NOI within 90 calendar days of the issuance date of this general permit, or within 120 days if electronic NOI submittal is utilized.

Facilities which were required to obtain permit coverage under the previous TPDES MSGP (issued August 20, 2001) are considered to be existing facilities, regardless of whether an NOI or NEC had previously been submitted under that general permit. The deadline for these facilities to submit an NOI or NEC is immediately upon permit issuance. However, this permit does not preclude a facility from submitting an NOI or NEC after the permit issuance date.

- (b) New Industrial Facilities - An NOI must be submitted prior to commencement of industrial activity that could result in a discharge of storm water runoff subject to the requirements of this general permit.
- (c) New Operator - Permit coverage may not be transferred. When the operator of a facility or portion of a facility changes, the new operator must submit an NOI at least two days before the change. The previous operator must submit an NOI at least two days after the new operator has submitted the NOI.

**3. Storm Water Pollution Prevention Plan (SWP3)**

A permittee authorized under this general permit must develop and implement a storm water pollution prevention plan (SWP3) according to the requirements of this permit before submitting an NOI for permit coverage. The plan must be developed according to the requirements of Part III of this general permit, must include all sector specific requirements of Part V, and must be signed according to TCEQ rules at 30 TAC § 305.128, as described in Part III.E.3.(g) of this general permit. The SWP3 must also contain the certification statement from 30 TAC § 305.44 as required in Part III.A.3.(c) of this general permit.

**4. Contents of the Notice of Intent**

The NOI must contain the following minimum information:

**(a) Operator Information:**

- (1) the name, address, and telephone number of the operator filing the NOI for permit coverage; and
- (2) the legal status of the operator (e.g., federal, state, private or public entity).

**(b) Site Information - The NOI must include:**

- (1) the name, address, county, and latitude and longitude of the site;
- (2) a determination of whether the site is located on Indian Land;
- (3) the name of the receiving water;
- (4) the name of the MS4 operator if the discharge is to an MS4;
- (5) a certification that a SWP3 has been developed and implemented according to the provisions of this permit;
- (6) the primary SIC code that best describes the industrial activity of the facility and any other SIC codes or Industrial Activity Codes that describe additional activities and that are listed in Part V of this permit; and
- (7) the industrial sector of this general permit for which the applicant requests coverage.

**(c) Existing TPDES authorization number for facilities previously regulated under the TPDES MSGP.****5. Notice of Change (NOC)**

If an applicant or permittee becomes aware that it failed to submit any relevant facts or submitted incorrect information in an NOI, the correct information must be provided to the executive director in an NOC letter within 14 days after discovery. If relevant information provided in the NOI changes (for example, facility name, phone number, or P.O. Box number), an NOC letter must be submitted within 14 days of the change. The NOC shall be submitted on a form provided by the executive director, or by letter if an NOC form is not available.

## 6. Terminating Coverage

A permittee may terminate coverage under this general permit, or may terminate the conditional no exposure exclusion, by providing a Notice of Termination (NOT) to the TCEQ. The NOT must be submitted on a form approved by the executive director. Authorization to discharge terminates at midnight on the day that an NOT is postmarked for delivery to the TCEQ. If TCEQ provides for electronic submission of NOTs during the term of this permit, then authorization to discharge terminates 24 hours following confirmation of receipt of the electronic NOT form by the TCEQ. An NOT must be submitted within 10 days after the facility ceases discharging storm water associated with industrial activity, obtains coverage under an individual permit, obtains coverage under an alternative general permit, or within 10 days following transfer of ownership or responsibility of the facility.

An NOT shall be submitted in order to terminate coverage or to terminate a conditional exclusion based on no exposure. If a facility changes operations such that a condition of no exposure is obtained, the permittee must submit an NOT to terminate the original NOI before submitting an NEC. If a facility which changes conditions such that a condition of no exposure no longer exists, the permittee must submit an NOT to terminate the conditional exclusion and must obtain coverage before discharge occurs.

## 7. Signatory Requirements

The NOI, NOT, NOC, and NEC forms (or letters, as applicable) must be signed and certified according to 30 TAC § 305.44 (relating to Application for Permit).

## 8. Additional Notification

Industrial facilities that contribute storm water discharges to a municipal separate storm sewer system must provide a copy of the completed NOI or NEC to the operator of the system. These facilities must also provide a copy of all NOCs and NOTs to the operator of the system.

## 9. Fees

An application fee of \$100 must be submitted with each NOI and each NEC. A fee is not required for submission of an NOT or NOC.

A facility authorized under this general permit and required to submit an NOI must pay an annual water quality fee of \$200 under Texas Water Code, § 26.0291 and according to 30 TAC Chapter 205 (relating to General Permit for Waste Discharges).

## 10. Permit Expiration

This general permit is issued for a term not to exceed five years. Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the Commission may amend, revoke, cancel, or renew this general permit. If the TCEQ publishes a public notice of its intent to renew or amend this general permit before the expiration date, then this general permit will remain in effect for existing, authorized discharges until the Commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit.

In the event that the general permit is not renewed, discharges that are authorized under the general permit must obtain either a TPDES individual permit or coverage under an alternative general permit. Applications for an individual permit must be submitted at least 180 days before the expiration date of the general permit.

#### **Section D. Alternative Coverage Under An Individual TPDES Permit**

##### **1. Individual Permit Alternative**

Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits).

##### **2. Individual Permit Required**

The executive director may require an operator of an industrial facility, authorized by this permit, to apply for an individual TPDES permit because of: a total maximum daily load (TMDL) model; the anti-backsliding policy; a history of substantive non-compliance or other 30 TAC Chapter 205 considerations and requirements; or other site-specific considerations.



### Part III. Permit Requirements and Conditions Common to all Industrial Activities

#### Section A. Minimum Storm Water Pollution Prevention Plan (SWP3) Requirements

##### 1. Implementation of SWP3 and Consistency With Other Plans

- (a) An applicant seeking authorization under this general permit must develop and implement a storm water pollution prevention plan (SWP3) before submitting an NOI for coverage under this general permit. The SWP3 must be maintained onsite and made readily available for review by authorized TCEQ personnel upon request. Permittees that contribute storm water discharges to a municipal separate storm sewer system (MS4) must also provide a copy of the SWP3 to the operator of that MS4 upon receiving a request from the MS4 operator. The SWP3 shall be developed according to the requirements of this general permit to:
- (1) identify actual and potential sources of pollution that may reasonably be expected to affect the quality of storm water discharges from the facility;
  - (2) establish practices and any necessary controls that will prevent or effectively reduce pollution in storm water discharges from the facility and that ensure compliance with the terms and conditions of this general permit;
  - (3) describe how the selected practices and controls are appropriate for the facility and how each will effectively prevent or lessen pollution;
  - (4) discuss how controls and practices relate to each other such that together they comprise an integrated, facility-wide approach for pollution prevention in storm water discharges. The discussion may include references to literature or site-specific performance information on the selected controls and practices to demonstrate the appropriateness of each.
- (b) Existing plans and measures that stem from other regulatory requirements, such as Spill Prevention Control Countermeasures (SPCC plans are required for certain operations under the federal guidelines of 40 CFR Part 112) may satisfy in whole or in part specific requirements of this general permit. These plans may either be attached as a component of the SWP3, or referenced in the SWP3 and made readily available for review by authorized TCEQ personnel upon request.

##### 2. Pollution Prevention Team

A storm water Pollution Prevention Team shall be established. The SWP3 shall be kept readily available to the members of the team, as well as all employees.

- (a) Members of the Team : The SWP3 must identify the members of the storm water Pollution Prevention Team. The team may consist of a single individual or a group of individuals. If the facility is not staffed on a continuous or permanent basis, then a company employee, or employees, from outside of the facility may be identified as a part of the team. Additional members of the team may include environmental professionals that are under contract to the permittee. The responsibilities for each member of the team shall be listed and clearly described. The SWP3 may identify a position within the organization rather than a specific individual, if it is not feasible to provide a name, and provided that members of the organization can identify the particular individual(s) comprising the team.

- (b) Responsibility of the Team : The team is responsible for development of the SWP3 and for assisting the operator or the operator's designee in the implementation, maintenance, and revision of the SWP3.

### 3. Investigation and Certification of Non-Storm Water Discharges

- (a) Permit Coverage for Non-Storm Water Discharges : Non-storm water discharges eligible for coverage are described in either Part II.A.5. or Part V of this general permit. All non-storm water discharges that qualify for permit coverage shall be identified in the SWP3. The SWP3 shall describe the discharge points and appropriate best management practices (BMPs) for these non-storm water discharges.
- (b) Investigation for Non-Storm Water Discharges: A survey of potential non-storm water sources shall be conducted. The facility's separate storm sewer system shall be tested or inspected (e.g., screened for dry weather flows) for the presence of non-storm water flows. Procedures shall be evaluated and implemented to eliminate any potential sources that are discovered and are not permitted. The SWP3 must ensure that non-storm water sources are not combined with storm water discharges from the facility and are not allowed to enter the separate storm sewer system, unless they are authorized under a TPDES permit.
- (c) Certification: The SWP3 must include a certification, signed according to Part III.E.3.(g) of this general permit, relating to Signatory Requirements, that states that the facility's separate storm sewer system has been evaluated for the presence of non-storm water discharges and that the discharge of non-permitted, non-storm water does not occur. The certification shall include documentation of how the evaluation was conducted, results of any testing, dates of evaluations or tests, and the points in the separate storm sewer system that were observed during the investigation. The investigation for non-storm water discharges must be completed and the certification must be prepared within 180 days of filing an NOI for permit coverage. The certification shall be made readily available for review by authorized TCEQ personnel upon request.
- (d) Failure or Inability to Certify:
  - (1) If a part of the separate storm sewer system can not be accessed to complete the evaluation, certification shall be provided for the remainder of the system. Notice of this deficiency must be provided to the TCEQ within 180 days after the NOI is submitted. Facilities that contribute storm water discharges to an MS4 must provide notice of this deficiency to the operator of that system upon request. The notice shall include an explanation of why the evaluation could not be performed and a list of all known potential, non-permitted, non-storm water sources that could not be included in the certification. The notification shall be submitted to the TCEQ's Enforcement Division (MC-224).
  - (2) If, in the course of evaluating its separate storm sewer system, the permittee is unable to certify that non-permitted, non-storm water discharges are not occurring due to noncompliance, then the certification shall identify the noncompliance issues and the steps being taken to remedy and prevent further noncompliance.

#### 4. Description of Potential Pollutants and Sources

The SWP3 shall identify and describe all activities and significant materials that may potentially be pollutant sources. The SWP3 shall include, at a minimum:

- (a) Inventory of Exposed Materials: An inventory shall be developed that lists materials currently handled at the facility that may be exposed to precipitation or runoff. The list must include all materials that are handled, stored, processed, treated, or disposed of in a manner that allows exposure to precipitation or runoff. Materials stored in drums, barrels, tanks, and similar containers that are tightly sealed, in good structural condition, and do not have leaking valves are not required to be listed in the inventory. The inventory of materials shall also include specific pollutants (e.g. oil and grease, copper, wood shavings, etc.) that can be attributed to those materials.

For facilities which are subject to reporting requirement under EPCRA Section 313, the SWP3 shall list all potential pollutant sources for which they have reporting requirements under EPCRA Section 313.

The inventory must be updated within 30 days following a significant change in the types of materials that are exposed to precipitation or runoff, or significant changes in material management practices that may affect the exposure of materials to precipitation or runoff. A significant change in the types of materials is exposure of a material, not already included in the inventory that could be transported by precipitation or storm water runoff and subsequently discharged. A significant change in material management practices is a change that would result in either initial exposure of a material not already listed in the inventory or increased exposure of a material to the extent that the material could be transported by precipitation or storm water runoff and subsequently discharged.

- (b) Narrative Description: A narrative description must be developed to describe all activities and potential sources of pollutants that may reasonably be expected to add pollutants to storm water discharges or that may result in dry weather discharges from the storm sewer system. Examples include the following activities and potential sources when they are exposed to storm water:
- (1) loading and unloading areas (including areas where chemicals and other materials are transferred);
  - (2) outdoor storage areas;
  - (3) outdoor processing areas;
  - (4) dust producing activities;
  - (5) on-site waste disposal areas;
  - (6) vehicle/equipment maintenance, cleaning, and fueling areas;
  - (7) liquid storage tank areas; and
  - (8) railroad sidings, tracks, and rail cars.

For each pollutant or material listed in the “Inventory of Exposed Materials,” the direction of flow or potential flow to the final permitted outfalls shall be identified. The outfall and direction of flow must either be narratively described or identified by referencing the location on the site map. Areas of the facility that have a high potential for significant soil erosion, due to topography, activities, or other factors, shall also be identified and either narratively described or identified by referencing the location on the site map.

The narrative description must be updated within 30 days following a change in the types or quantities of materials exposed to precipitation or runoff that, in the judgment of the storm water Pollution Prevention Team, may reasonably be expected to add pollutants to storm water discharges. The narrative description must be updated to describe changes in material management practices or other factors that may affect the exposure of materials to precipitation or runoff.

- (c) Site Map - A site map (or maps) shall be developed that depicts the following:
- (1) the location of each outfall covered by the permit, and the location of each sampling point (if different from the outfall location);
  - (2) an outline of the drainage area that is within the facility’s boundary and that contributes storm water to each permitted outfall;
  - (3) connections or discharges to municipal separate storm sewer systems;
  - (4) locations of all structures (e.g. buildings, garages, storage tanks);
  - (5) structural control devices that are designed to reduce pollution in storm water runoff;
  - (6) process wastewater treatment units (including ponds);
  - (7) bag house and other air treatment units exposed to precipitation or runoff;
  - (8) landfills; scrapyards; surface water bodies (including wetlands);
  - (9) vehicle and equipment maintenance areas;
  - (10) physical features of the site that may influence storm water runoff or contribute a dry weather flow;
  - (11) locations where reportable quantity spills or leaks (as defined in 30 TAC § 327.2) have occurred during the three years before the NOI is submitted to obtain coverage under this general permit; and
  - (12) processing areas, storage areas, material loading/unloading areas, and other locations where significant materials are exposed to precipitation or runoff.

The site map shall clearly show the flow of storm water runoff from each of these locations so that the final outfall where the discharge leaves the facility’s boundary is apparent. A series of maps must be developed where the amount of information would cause a single map to be difficult to read and interpret.

- (d) Spills and Leaks - The SWP3 shall contain a list of reportable quantity spills and leaks of toxic or hazardous pollutants (based on TCEQ requirements at 30 TAC Chapter 327) that occurred in areas exposed to precipitation or runoff, or that occurred within the drainage area that contributes to an outfall, during the three years before the NOI was submitted. The list shall be updated on a quarterly basis and shall include all additional spills and leaks (in addition to the previously listed spills of "reportable quantity" only). The list may be limited to any spills and leaks that have occurred within the previous five years.
- (e) Sampling Data - All data from the laboratory analyses of storm water discharge samples shall be summarized. The summary shall be updated on an annual basis to include the results of all additional analyses. The data summary shall either be included as an attachment to the SWP3 or may be referenced and maintained separately. The data summary must be readily available for review by authorized TCEQ personnel upon request.

## 5. Pollution Prevention Measures and Controls

Pollution prevention practices that are determined to be reasonable and effective by the Pollution Prevention Team, required by a state or local authority, or necessary to remain compliant with this general permit, shall be implemented. The SWP3 shall include detailed descriptions of the following minimum components and a schedule for implementation:

- (a) Good Housekeeping Measures: A section within the SWP3 shall be developed to ensure that areas of the facility which contribute or potentially contribute pollutants to stormwater discharges (e.g., areas around trash dumpsters, storage areas, loading docks, and outdoor processing areas) are maintained in a clean and orderly manner. Good housekeeping measures must include measures to eliminate or reduce exposure of garbage and refuse materials to precipitation or runoff prior to their disposal. Typical good housekeeping measures include activities that are performed on a daily basis by employees during the course of normal work activities. The good housekeeping measures shall be incorporated as a part of the employee training program.
- (b) Spill Prevention and Response Measures: A section within the SWP3 shall be developed and implemented to prevent spills and to provide for adequate spill response. This section must:
  - (1) identify areas where spills could contribute pollutants to storm water discharges;
  - (2) develop and implement procedures to minimize or prevent contamination of storm water from spills (e.g. training equipment operators to inspect for leaks each day during operation of equipment; installation of secondary containment structures around liquid storage tanks and drums; installation of overfill prevention devices on pumps and tanks; modification of material handling techniques; and routine inspection of drums, tanks and other containers);
  - (3) require drums, tanks, and other containers to be clearly labeled;
  - (4) require that hazardous waste containers that require special handling, storage, use, and disposal be clearly marked;
  - (5) develop and implement specific spill prevention and clean up techniques;
  - (6) make available to facility personnel materials and equipment necessary for spill clean up;
  - (7) develop and maintain an inventory of spill cleanup materials and equipment; and

- (8) incorporate these measures as a part of the employee training program.
- (c) Erosion Control Measures: A section within the SWP3 shall be developed to address soil erosion. Erosion prevention measures and controls shall be evaluated and used as necessary to reduce soil erosion in areas of the facility that have ongoing erosion or the potential for soil erosion. The following controls shall be evaluated, at a minimum: Soil stabilization through vegetative cover; contouring slopes; paving; and installation of structural controls.
- (d) Maintenance Program for Structural Controls: A section within the SWP3 shall be developed to establish a maintenance program for storm water structural controls, which may include oil/water separators, catch basins, sediment ponds, grass swales, berms, and other structural controls. These controls shall be inspected on a regular basis and maintenance frequencies must be established for each of the controls at intervals that ensure effective operation. Mechanical equipment that is part of a structural control, such as a storm water pump, must also be inspected at intervals described in the SWP3 and maintained at intervals necessary to prevent failures that could result in a discharge of pollutants. This section of the SWP3 shall identify qualified personnel to conduct inspections and establish inspection and maintenance schedules. Records must document the estimated volumes of solids removed from catch basins, sediment ponds, and other similar control structures.
- (e) Best Management Practices (BMPs): A section within the SWP3 shall be developed to establish BMPs to reduce the discharge and potential discharge of pollutants in storm water. Development of BMPs shall be based on the activities and potential for contamination that are identified in Part III.A.4. of this general permit, "Description of Potential Pollutants and Sources."
- (f) Employee Training Program and Employee Education: A section within the SWP3 shall be developed to establish a training program. Training shall be provided to all employees who are responsible for implementing or maintaining activities identified in the SWP3. Employee training shall include, at a minimum:
- (1) proper material management and handling practices for specific chemicals, fluids, and other materials used or commonly encountered at the facility;
  - (2) spill prevention methods;
  - (3) the location of materials and equipment necessary for spill clean up;
  - (4) spill clean up techniques;
  - (5) proper spill reporting procedures; and
  - (6) familiarization with good housekeeping measures, BMPs, and goals of the SWP3.

The schedule for employee training sessions must be developed based on pollutant potential, employee turnover rate, and other factors the permittee determines are applicable. Training must be conducted at least once per year and records of training activities must be maintained.

Education must be provided to those employees at the facility who are not directly responsible for implementing or maintaining activities identified in the SWP3, and who do not participate in the employee training program. At a minimum, these employees must be informed of the basic goal

of the SWP3 and how to contact the facility's storm water Pollution Prevention Team regarding storm water issues.

- (g) Periodic Inspections - Qualified personnel, who are familiar with the industrial activities performed at the facility, shall conduct periodic inspections to determine the effectiveness of the Good Housekeeping Measures, Spill Prevention and Response Measures, Erosion Control Measures, Maintenance Program for Structural Controls, Best Management Practices, and the Employee Training Program. The inspection must also identify any existing BMPs that are not being properly or completely implemented. Periodic inspections must be conducted on a frequency of once per quarter, unless otherwise specified in Part V of this permit, relating to Specific Requirements for Industrial Activities. The inspections must be documented through the use of a checklist that is developed to include each of the controls and measures that are evaluated.

When revisions or additions to the SWP3 are recommended as a result of inspections, a summary description of these proposed changes must be attached to the inspection checklist. The summary must identify any necessary time frames required to implement the proposed changes. The periodic inspection checklists must be made readily available for inspection and review by authorized TCEQ personnel upon request.

- (h) Quarterly Visual Monitoring - Stormwater discharges from each outfall authorized by this general permit must be visually examined on a quarterly basis. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term to ensure consistency. Monitoring must be conducted during daylight hours during the normal hours of operation for the facility. Samples must be examined in a well lit area, and findings must document observations of the following: color, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, other obvious indicators of storm water pollution, and any noticeable odors. Some examinations, such as an examination for odor and foam, may necessarily be conducted immediately following collection of the sample. All examinations must be performed within a time frame that ensures the sample is representative of the discharge.

Records of quarterly visual monitoring must include the date and time samples were collected and examined, names of personnel that collected and examined the samples, the nature of the discharge (e.g., runoff, snow melt), and the visual quality of the storm water discharge. Results of the examination shall be reviewed by the storm water Pollution Prevention Team. The team must investigate and identify probable sources of any observed storm water contamination. The SWP3 shall be modified as necessary to address the conclusions of the storm water Pollution Prevention Team.

Part V may include alternative schedules for visual monitoring at specific industrial sectors, and may include additional requirements.

- (i) Records - Records for each element described above in Part III.A.5.(a) through (h) of "Pollution Prevention Measures and Controls" shall either be included as an attachment to the SWP3 and retained on-site or made readily available for review by authorized TCEQ personnel upon request. Records shall document and describe maintenance activities, inspections, spills, discharge quality, employee training activities, employee education activities, SWP3 updates/modifications, and other events relative to each element.

## 6. Management of Runoff with Structural Controls

- (a) Structural Controls: Physical structures may be used in conjunction with other pollution prevention measures and controls, as necessary, to reduce pollutants in storm water discharges. Examples of structural controls that may be utilized include vegetated swales, oil/water separators, settling ponds, catch basins, berms, and other physical structures.
- (b) Velocity Dissipation Devices: Discharge velocities must be controlled to the extent necessary to prevent the destruction of the natural physical characteristics of receiving waters by erosion. Velocity dissipation devices may be constructed at discharge points or along channels and other storm water collection areas that lead to outfalls. Management alternatives to minimize runoff, such as limiting impervious cover, may also be considered.

## 7. Annual Comprehensive Site Compliance Evaluation

- (a) Description: The comprehensive site compliance evaluation is a required site inspection and an overall assessment of the effectiveness of the current SWP3. This evaluation is in addition to other routine inspections required by the permit (e.g., inspections of good housekeeping measures, structural controls, and for identification of non-storm water sources). This evaluation may, however, substitute for a periodic inspection (Part III.A.5.(g)) if it is conducted during the regularly scheduled period of the periodic inspection.
- (b) General Requirements: The evaluation shall be conducted at least once per year by one or more qualified employees or designated representatives, who are familiar with the industrial activities performed at the facility and the elements of the SWP3. The evaluation must include:
  - (1) inspection of all areas identified in the Inventory of Exposed Materials section of the SWP3;
  - (2) inspection of all structural controls, including the maintenance and effectiveness;
  - (3) inspection of all non-structural controls including BMP effectiveness, good housekeeping measures, and spill prevention;
  - (4) inspection of all reasonably accessible areas immediately downstream of each storm water outfall that is authorized under this general permit; and
  - (5) a review of all records required by this general permit.
- (c) Annual Site Compliance Evaluation Report - Within 30 days of performing the annual site compliance evaluation, the permittee must prepare a report which includes a narrative discussion of the permittee's compliance with the current SWP3. The report shall document the personnel conducting the evaluation, the dates of the evaluation, and any incidents of non-compliance. The following conditions relate to incidents of non-compliance:
  - (1) For purposes of this inspection, an incident of non-compliance is any instance where an element of the SWP3 is either not implemented, or where specific conditions of the permit are not met.



- (2) If no incidents of non-compliance are discovered, the report shall contain a certification by the permittee that the facility, or in the case of a shared SWP3, the portion of the facility the permittee is responsible for, is in compliance with the SWP3.
  - (3) If an incident or incidents of non-compliance is identified, then the report shall include all necessary actions to remedy the non-compliance and update the SWP3 in accordance with Part III.A.7.(d) of this permit. The identified actions must be completed as soon as practicable, but no later than 12 weeks following the completion of the report.
  - (4) The report shall either be included as a part of the SWP3 or referenced in the SWP3 and be made readily available for inspection and review by authorized TCEQ personnel upon request.
- (d) Revision of the SWP3- Within 12 weeks following the completion of the Annual Site Compliance Evaluation Report, the permittee shall revise and implement the SWP3 to include and address the findings of the Site Compliance Evaluation Report. Revisions must include all applicable changes that result from the report and all applicable updates to:
- (1) elements of the SWP3 that require modification for effectiveness;
  - (2) any additional elements (e.g. structural controls or BMPs) that should be added or modified for prevention of pollution;
  - (3) the site map;
  - (4) the inventory of exposed materials;
  - (5) the description of the good housekeeping measures;
  - (6) the description of structural and non-structural controls; and
  - (7) any other element of the plan that was either found to be inaccurate or that will be modified.

#### **8. Copy of Multi-Sector General Permit (MSGP)**

A copy of this general permit shall be included either as part of the SWP3 or as an attachment to the SWP3. The permittee need not include the sections in Part V of this general permit which are not related to the industrial activities at the site.

#### **Section B. Inspection of the Storm Water Pollution Prevention Plan (SWP3, or Plan) and Site**

- (a) Site Inspection - Inspection and entry shall be allowed under Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 Code of Federal Regulations (CFR) §122.41(i). The statement in Texas Water Code § 26.014 that commission entry of a facility shall occur according to the facility's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the facility, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.

- (b) SWP3 Review - The SWP3 shall be maintained, with a copy of this general permit, either at the site or be readily available for review by authorized TCEQ personnel upon request. The SWP3 must be modified by the permittee as often as necessary. Each revision must be dated and all revisions must be retained according to Part III.C.6. The executive director may determine, following a review or site inspection, that the SWP3 is not sufficient and may require that the SWP3 be revised to correct all deficiencies.

## Section C. General Monitoring and Records Requirements

### 1. Representative Storm Events

- (a) Monitoring, sampling, examinations, and inspections of storm water discharges that are required as a provision of this general permit shall be conducted on discharges of runoff from a representative storm event. For the purposes of this general permit, a representative storm event is an event with at least 0.1 inch of measured precipitation that occurs with a minimum interval of at least 72 hours from the preceding measurable storm event. The 72-hour interval requirement does not apply if the preceding storm event did not yield a discharge that was sufficient for obtaining a sample, or if it is documented in the SWP3 that an interval of fewer than 72 hours is representative for local storm events for the sampling period.
- (b) A facility which uses retention ponds as a BMP may not experience a discharge immediately following a representative storm event. If any storm events occurred prior to discharge from the outfall, regardless of the time period between the last storm event and the discharge, the permittee may consider the discharge to be the result of the previous qualifying storm event.
- (c) Permittees must maintain a rain gauge on-site, or utilize a rain gauge located in the immediate vicinity of the site, in order to determine when a representative storm event occurs. The rain gauge shall be monitored a minimum of once per week, and once per day during storm events. Records shall be retained on-site or made readily available for review. Rain gauge monitoring and record-keeping may be temporarily suspended during a given monitoring period if a representative storm event has occurred and the required sampling and analyses has been conducted.

### 2. Representative Discharges from Substantially Similar Outfalls

- (a) If discharges of storm water through two or more outfalls are substantially the same, then sampling and monitoring may be conducted at one of the outfalls, and the results may be reported as representative of the discharge from the substantially similar outfall. Before results may be submitted as representative of discharges from substantially similar outfalls, the SWP3 must include a description of outfall locations and provide a detailed justification of why the discharge qualities from the outfalls are substantially similar. To determine if outfalls are substantially similar, the following characteristics of each outfall must be compared:
- (1) the industrial activities that occur in the drainage area to each outfall;
  - (2) significant materials stored or handled within the drainage area to each outfall; and
  - (3) the management practices and pollution control structures that occur within the drainage area of each outfall.

- (b) Substantially similar outfalls may be established for the following monitoring requirements described in this general permit:
  - (1) Quarterly Visual Monitoring
  - (2) Hazardous Metals Monitoring
  - (3) Benchmark Monitoring
- (c) Substantially similar outfalls may not be established for non-storm water discharges.

### 3. Representative Discharge Samples

All samples must be representative of the discharge. Sampling should be conducted within the first 30 minutes of discharge using a grab sample. If it is not practicable to collect the sample or to complete the sampling within the first 30 minutes, then sampling must be completed within the first hour of discharge. If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity.

- (a) Sampling for Compliance with Specific Numeric Effluent Limitations - Any requirements specific to sampling for compliance with numeric effluent limitations are defined in the permit where the numeric effluent limitations have been established.
- (b) Authorized Storm Water Discharges that Combine with Other Flows - If storm water discharges authorized under this general permit combine with other storm water or with wastewater authorized under a separate permit, then sampling must be conducted at a point before the waters combine.
- (c) Analytical Test Procedures - All procedures must comply with the standards specified in 30 TAC §§ 319.11 - 319.12.

### 4. Monitoring Periods

- (a) Sampling, inspections, and examinations that are required on a quarterly basis shall be conducted during the following periods:

First quarter - January through March;  
Second quarter - April through June;  
Third quarter - July through September; and  
Fourth quarter - October through December.

Applicants shall begin required sampling, inspections, and examinations on a quarterly basis in the first full quarter following submission of a NOI.

- (b) Sampling, inspections, and examinations that are required on a semiannual basis shall be conducted during the following periods:

First period - January through June;  
Second period - July through December.

Applicants shall begin required sampling, inspections, and examinations on a semiannual basis in the first full period following submission of a NOI.

- (c) Monitoring, inspections, and examinations that are required on an annual basis shall be conducted before December 31<sup>st</sup> of each year, beginning with the calendar year that includes the first full quarter following submittal of an NOI.

## 5. Temporary Suspension and Waivers from Monitoring Requirements

- (a) Temporary Suspension - Requirements to sample, inspect, examine or otherwise monitor storm water discharges within a prescribed monitoring period may be temporarily suspended for adverse weather conditions. Adverse weather conditions are conditions that are either dangerous to personnel (e.g., high wind, excessive lightning) or weather conditions that prohibit access to a discharge (e.g., flooding, freezing conditions, extended periods of drought). Adverse conditions that result in the temporary suspension of a permit requirement to sample, inspect, examine, or otherwise monitor storm water discharges must be documented and included as part of the SWP3. Documentation shall include the date, time, names of personnel that witnessed the adverse condition, and the nature of the adverse condition.

Waivers - When monitoring is temporarily suspended, that monitoring must be conducted in the next monitoring period, in addition to any monitoring required for that period. If the temporarily suspended monitoring requirement cannot be fulfilled during the next monitoring period, then it is permanently waived.

- (b) Inactive Industrial Facilities - Permitted facilities in this inactive status must provide written notice to the executive director of this status. Following this notification, permit requirements to sample, inspect, examine, or otherwise monitor storm water discharges are waived during the period that a facility maintains inactive status, unless the requirements in Part V. of this permit include specific requirements for inactive facilities.

Inactive facilities must notify the executive director in writing at least 48 hours before commencing industrial activities and transferring to active status.

## 6. Records Retention

Monitoring and reporting records, copies of all other records required by this general permit, and records of all data used to complete the application for this general permit shall be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request for a period of three years from the date of the record or sample, measurement, report, application, or certification. This period may be extended at the request of the executive director. The SWP3 shall be maintained, and be made readily available for inspection and review by authorized TCEQ personnel upon request. Additionally, a copy of all SWP3s for the preceding three-year period must be maintained and made readily available for review. In circumstances where the number of revisions to the SWP3 make this requirement burdensome, a log or record of revisions for the preceding three-year period may be maintained and made available. If the general permit is terminated or allowed to expire without renewal, the SWP3 must be maintained and made readily available for review for a minimum period of one year.

**Section D. Numeric Effluent Limitations**

**1. Discharges of Storm Water Runoff**

(a) Numeric Limitations for Discharges of Storm Water to Inland Waters

| Hazardous Metal (Total) | Daily Average (mg/L) | Daily Composite (mg/L) | Daily Maximum (mg/L) | Monitoring Frequency |
|-------------------------|----------------------|------------------------|----------------------|----------------------|
| Arsenic 0.1             |                      | 0.2                    | 0.3                  | 1/Year               |
| Barium 1.0              |                      | 2.0                    | 4.0                  | 1/Year               |
| Cadmium 0.05            |                      | 0.1                    | 0.2                  | 1/Year               |
| Chromium 0.5            |                      | 1.0                    | 5.0                  | 1/Year               |
| Copper 0.5              |                      | 1.0                    | 2.0                  | 1/Year               |
| Lead                    | 0.5                  | 1.0                    | 1.5                  | 1/Year               |
| Manganese               | 1.0                  | 2.0                    | 3.0                  | 1/Year               |
| Mercury                 | 0.005                | 0.005                  | 0.01                 | 1/Year               |
| Nickel                  | 1.0                  | 2.0                    | 3.0                  | 1/Year               |
| Selenium                | 0.05                 | 0.1                    | 0.2                  | 1/Year               |
| Silver                  | 0.05                 | 0.1                    | 0.2                  | 1/Year               |
| Zinc                    | 1.0                  | 2.0                    | 6.0                  | 1/Year               |

(b) Numeric Limitations for Discharges of Storm Water to Tidal Waters

| Hazardous Metal (Total) | Daily Average (mg/L) | Daily Composite (mg/L) | Daily Maximum (mg/L) | Monitoring Frequency |
|-------------------------|----------------------|------------------------|----------------------|----------------------|
| Arsenic 0.1             |                      | 0.2                    | 0.3                  | 1/Year               |
| Barium 1.0              |                      | 2.0                    | 4.0                  | 1/Year               |
| Cadmium 0.1             |                      | 0.2                    | 0.3                  | 1/Year               |
| Chromium 0.5            |                      | 1.0                    | 5.0                  | 1/Year               |
| Copper 0.5              |                      | 1.0                    | 2.0                  | 1/Year               |
| Lead                    | 0.5                  | 1.0                    | 1.5                  | 1/Year               |
| Manganese               | 1.0                  | 2.0                    | 3.0                  | 1/Year               |
| Mercury 0.005           |                      | 0.005                  | 0.01                 | 1/Year               |
| Nickel 1.0              |                      | 2.0                    | 3.0                  | 1/Year               |
| Selenium 0.1            |                      | 0.2                    | 0.3                  | 1/Year               |
| Silver 0.05             |                      | 0.1                    | 0.2                  | 1/Year               |
| Zinc 1.0                |                      | 2.0                    | 6.0                  | 1/Year               |

(c) Daily Maximum Effluent Limitation - Grab samples of storm water discharges are required to be taken at a minimum frequency of once per year. Samples must be taken of discharges at the final outfall, either immediately prior to entering surface water in the state or immediately prior to leaving the permitted facility property. Analyses must be compared to the daily maximum numeric effluent limitation for compliance purposes.

Daily Composite Effluent Limitation - Sampling to meet these limitations is not required. However, these numeric effluent limitations will apply to any samples that are composed of a minimum of three grab samples taken throughout the stormwater discharge period and combined proportional to flow into a single sample for laboratory analyses.

Daily Average Effluent Limitation - Sampling to meet these limitations is not required. However, these numeric effluent limitations do apply to the arithmetic average of laboratory results of analyses when more than one discharge sample is collected and analyzed in a single calendar month.

- (d) Reporting Requirements - Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Part VI of this general permit), a duplicate of the form, or as otherwise provided by the executive director.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be reported as required in Part III.E.4(c) of this permit. A copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 31<sup>st</sup> following the annual monitoring period.

If the results indicate the violation of one or more of the numeric limitations listed above at Part D.1.(a) and (b), the permittee must also submit the DMR to the TCEQ's Information Resources Center (MC 212) by March 31<sup>st</sup> following the annual monitoring period in which the violation(s) occurred.

- (e) Waiver from Numeric Effluent Limitation - Permittees qualify for a waiver from hazardous metal monitoring requirements if one or more of the following criteria are met, and the waiver is obtained by certifying the conditions exist. This certification must be completed on a form provided by the executive director and must be either maintained onsite or made readily available for review by authorized TCEQ personnel upon request. Waivers may be obtained on a metal by metal basis, or on an outfall by outfall basis:
- (i) the permittee certifies that the regulated facility does not use a raw material, produce an intermediate product, or produce a final product that contains one of the hazardous metals listed at Part D.1.(a) or (b); or
  - (ii) the permittee certifies that any raw materials, intermediate products, or final products which contain a hazardous metal are never exposed to storm water or runoff (final products are not considered to expose hazardous metals to storm water or runoff if the final product is designed for outdoor use, unless it is a product that could be transported by storm water runoff or unless the final product will be used as a material or intermediate product); or
  - (iii) the permittee collects a sample of the discharge from the facility, analyzes the sample for one or more of the listed hazardous metals, and the results indicate that the metal(s) is/are not present in detectable levels. Test methods utilized shall be sensitive enough to detect the following parameters at the minimum analytical level (MAL) specified below, and results of sampling must be retained on site and available for review by TCEQ personnel:

| <u>POLLUTANTS</u> | <u>MAL (mg/L)</u> |
|-------------------|-------------------|
| Arsenic, total    | 0.010             |
| Barium, total     | 0.010             |
| Cadmium, total    | 0.001             |
| Chromium, total   | 0.010             |
| Copper, total     | 0.010             |
| Lead, total       | 0.005             |
| Manganese, total  | 0.002             |
| Mercury, total    | 0.0002            |
| Nickel, total     | 0.010             |
| Selenium, total   | 0.010             |
| Silver, total     | 0.002             |
| Zinc, total       | 0.005             |

When an analysis of a discharge sample for any of the parameters listed above indicates no detectable levels above the MAL, and the test method detection level is as sensitive as the specified MAL, a value of zero (0) may be used for that measurement, and a waiver may be obtained for that parameter that measures zero (0).

- (f) Relation to Benchmark Monitoring - If a facility is required to sample for any of the above hazardous metals as part of the benchmark requirements in Part V of this permit, then the permittee is subject to the effluent limitations listed in Part III.D.1. of this general permit for those hazardous metals sampled at a final outfall as part of benchmark monitoring. There are no waivers available for pollutants that are required in Part V of the general permit. If sampling for benchmark metals is not performed at a final outfall, then the above effluent limits may not apply for the benchmark sample if the sample is not representative of the discharge from the site. In this situation, the discharge must also be sampled at each final outfall to comply with the sampling and analyses requirements of this section.

**2. Coal Pile Runoff**

- (a) Numeric Effluent Limitations - The following numeric effluent limitations and monitoring frequency apply to storm water runoff from coal pile storage areas located at facilities other than steam electric generating facilities, that discharges storm water associated with industrial activity

| <u>Parameter</u>       | <u>Limitations</u><br><u>Daily Maximum</u> | <u>Monitoring</u><br><u>Frequency</u> |
|------------------------|--|---------------------------------------|
| Total Suspended Solids | 50 mg/L                                    | 1/Year                                |
| pH                     | between 6 and 9 standard units             | 1/Year                                |

Sampling requirements for coal pile runoff at steam electric generating facilities are listed in Part V.O.5. of this general permit.

- (b) Sample Type - At a minimum, one grab sample shall be taken, prior to combining with other flows, for analysis.
- (c) Reporting Requirements - Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Part VI of this general permit), a duplicate of the form, or as otherwise provided by the executive director.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be reported as required in Part III.E. 4(c) of this permit. A copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 31<sup>st</sup> following the annual monitoring period.

If the results indicate the violation of one or more of the numeric limitations listed above at D.2., the permittee must also submit the DMR to the TCEQ's Information Resources Center (MC-212) by March 31<sup>st</sup> following each annual monitoring period.

- (d) Waiver from Numeric Effluent Limitations - Numeric effluent limitations for runoff from coal pile storage areas do not apply to discharges that overflow from structural control facilities that are designed to contain and treat runoff from a 10-year 24-hour storm event. Rainfall records are only required to document events that equal or exceed a 10-year 24-hour event. The operator shall maintain, as a part of the SWP3, the following information in order to receive this waiver:
  - (i) engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and
  - (ii) records of rainfall from either a rain gauge that is located onsite or a rain gauge maintained in the immediate area of the facility.

### 3. Discharges Subject to Federal Categorical Guidelines

Part V of this general permit includes additional effluent limitations for certain storm water discharges as required under 40 CFR Subchapter N (Parts 400-474). The permittees are subject to the sampling and reporting requirements as stipulated in the applicable sections of Part V of this permit.

## Section E. Standard Permit Conditions

Title 30 Texas Administrative Code (TAC) Chapter 305 requires certain regulations appear as standard conditions in waste discharge permits. 30 TAC §§ 305.121 - 305.129, Subchapter F, "Permit Characteristics and Conditions," as promulgated under the Texas Water Code §§ 5.103 and 5.105, the Texas Health and Safety Code §§ 361.017 and 361.024(a), and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission, establish the characteristics and standards for waste discharge permits. This section of the general permit includes these conditions and incorporates them into this general permit. More specific requirements for some of these standard permit conditions may be defined for specific sectors of industrial activity that are authorized to discharge under this general permit.

### 1. General Conditions

#### (a) Duty to Comply

- (1) Submission of an NOI for permit coverage is an acknowledgment that the applicant agrees to comply with the conditions of the general permit. Acceptance of authorization under the provisions of this general permit constitutes acknowledgment and agreement that the permittee will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- (2) The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for revocation or suspension of coverage under this general permit, and for requiring a permittee to apply for a TPDES individual permit or coverage under an alternative general permit.



**(b) Toxic Pollutants**

- (1) If any toxic effluent standard or prohibition is promulgated according to the Texas Water Code § 26.023 for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than the conditions of this general permit, this general permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition.
- (2) The permittee shall comply with effluent standards or prohibitions established according to the Texas Water Code § 26.023 for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if this general permit has not yet been modified to incorporate the requirement.

**(c) Permit Flexibility**

Authorization under this general permit may be modified, suspended or revoked for cause according to 30 TAC §§ 305.62 and 305.66 and the Texas Water Code Section § 7.302. The filing of a notice of planned changes or anticipated noncompliance does not stay any permit condition.

**(d) Property Rights**

A permit does not convey any property rights of any sort, or any exclusive privilege.

**(e) Duty to Provide Information**

The permittee shall furnish to the executive director, upon request, any information, including records that are maintained as a requirement of this permit, necessary to determine whether cause exists for revoking, suspending, or terminating authorization under this general permit.

**(f) Criminal and Civil Liability**

- (1) As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act, the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, Chapter 361, including but not limited to: knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance; falsifying or tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit; or violating any other requirement imposed by state or federal regulations. Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.
- (2) Any false or materially misleading representation or concealment of information required to be reported by the provisions of the permit or applicable regulation, which avoids or effectively defeats the regulatory purpose of this general permit, may subject the permittee to criminal enforcement.

**(g) Severability**

The provisions of this general permit are severable and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of

such provision to other circumstances, and the remainder of this general permit, shall not be affected thereby.

## 2. Proper Operation and Maintenance

### (a) Need to Halt or Reduce Not a Defense

It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this general permit. The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failure either by means of alternate power sources, standby generators, or retention of inadequately treated effluent.

### (b) Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

### (c) Operation of Treatment and Control Systems

- (1) The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained in a manner that will minimize discharges of excessive pollutants and will achieve compliance with the conditions of this permit. Proper operation and maintenance also include adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of this permit.
- (2) The permittee shall provide an adequate operating staff that is duly qualified to carry out operation, maintenance, and testing functions required to ensure compliance with the conditions of this general permit.

### (d) Anticipated Noncompliance

The permittee shall give advance notice to the executive director of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

## 3. Monitoring and Records

### (a) Inspection and Entry

- (1) Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.
- (2) The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of surface water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the

environment, to remove or remediate a condition related to the quality of surface water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in Texas Water Code § 7.002.

**(b) Representative Sampling**

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

**(c) Monitoring Procedures**

Sampling, monitoring, and analyses must be conducted according to procedures either specified in 30 TAC §§ 319.11 - 319.12 or 40 CFR Part 136 unless otherwise specified in this general permit.

**(d) Additional Monitoring by the Permittee**

If the permittee monitors any pollutant more frequently than required by this general permit using approved analytical methods, all results of the monitoring shall be included in the calculation and reporting of the values recorded on the DMR form and shall be included in any other calculation, record, or reports required to be maintained as a provision of this general permit. Increased frequency of sampling shall be indicated on the DMR.

**(e) Retention of Records**

- (1) The period records are required to be retained shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.
- (2) Monitoring and reporting records, including records of calibration and maintenance, and copies of all records and reports required by this permit, shall be retained at the facility or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification unless otherwise specified in this permit. This period may be extended at the request of the Executive Director.

**(f) Record Contents**

Records of monitoring shall include, at a minimum, the following:

- (1) the date, time, and place of sample or measurement;
- (2) the identity of the individual who collected the sample, made the measurement or observation, or performed the analysis;
- (3) the date and time the sample, measurement, or observation was made, and the analysis conducted;

- (4) the identity of the individual and laboratory who performed the analysis;
- (5) the technique or method of analysis;
- (6) the results of the measurement, observation, or analysis; and
- (7) quality assurance/quality control records.

**(g) Signatory Requirements for Reports and Certifications**

All reports and certifications requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

**4. Reporting Requirements**

**(a) Self-Reporting**

Monitoring results shall be provided at the intervals specified in this general permit. Unless otherwise specified in this general permit, or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting according to 30 TAC §§ 319.4 - 319.12 or 40 CFR Part 136. Results of analyses for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Part VI of this general permit), a duplicate of the form, or as otherwise provided by the executive director. Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be recorded and made available for review upon request by March 31<sup>st</sup> following each annual monitoring period. If the permit requires submission of the DMR to TCEQ, the form must be submitted to the TCEQ by March 31<sup>st</sup> following each annual monitoring period.

**(b) Noncompliance Notification**

- (1) According to 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment, shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by electronic facsimile transmission (FAX) to the TCEQ regional office within 24 hours of becoming aware of the noncompliance. A written report shall be provided by the permittee to the TCEQ regional office and to the TCEQ Enforcement Division (MC-224) within five working days of becoming aware of the noncompliance. The written report shall contain:
  - (i) a description of the noncompliance and its cause;
  - (ii) the potential danger to human health or safety, or the environment;
  - (iii) the period of noncompliance, including exact dates and times;
  - (iv) if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
  - (v) steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

- (2) In addition to the above, any violation that deviates from the permitted effluent limitation by more than 40% shall be reported in writing to the TCEQ regional office and to the Enforcement Division (MC-149) within five working days of becoming aware of the noncompliance.

**(c) Other Noncompliance**

Any noncompliance with permitted effluent limitations not specified in Part III.E.4.(b) shall be recorded on a DMR form and provided at the following intervals:

- (1) Non-compliance with an effluent limitation for a discharge subject to federal numeric effluent limitations guidelines (40 CFR Parts 400-474) must be recorded on a DMR. All DMRs recording the annual sampling results must be submitted to the TCEQ by March 31<sup>st</sup> of the following year, including results that are below the effluent limits.
- (2) Non-compliance with an effluent limit for any of the hazardous metals required in Part III.D.1 of this permit, or for TSS and pH as required in Part III.D.2 of this permit, shall be recorded on a DMR and reported at a frequency of once per year. The DMR must be submitted to the TCEQ's Information Resources Division (MC-212), by March 31<sup>st</sup> of the following year. Analytical results that do not exceed an effluent limitation for a hazardous metal in Part III.D. must be recorded on a DMR and retained onsite.

**(d) Other Information**

When the permittee becomes aware that it either submitted incorrect information or failed to submit any relevant facts on an NOI, NOT, NEC, NOC, or any report, it shall promptly submit the facts or information to the executive director.

**5. Solid Waste**

Industrial facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:

- (a) Any solid waste generated by the permittee during the management and treatment of storm water, as defined in 30 TAC § 335.1, must be managed according to all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste and Municipal Hazardous Waste.
- (b) Storm water that is being collected, accumulated, stored, or processed within a solid waste management unit, before discharge through any final outfall authorized by this permit, is considered to be solid waste until the stormwater passes through the actual point source discharge, and must be managed according to all applicable provisions of 30 TAC Chapter 335.
- (c) The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.6(g), to the Corrective Action Section (MC-127) of the Remediation Division informing the Commission of any closure activity involving a Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

- (d) Construction of any solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Registration, Review, and Reporting Division. No person shall dispose of industrial solid waste, including sludge or other solids from storm water treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.
- (e) The permittee shall keep management records for all sludge or other waste removed from any storm water treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
  - (i) volume of waste and date generated from treatment process;
  - (ii) volume of waste disposed of onsite or shipped off-site;
  - (iii) date of disposal;
  - (iv) identity of hauler or transporter;
  - (v) location of disposal site; and
  - (vi) method of final disposal.

The above records shall be updated on a monthly basis. The records shall be retained at the facility or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

**Part IV. Benchmark Monitoring Requirements Common to Many Industrial Activities**

Benchmark monitoring requirements are included as a provision of this general permit for industrial activities. The following table defines the sectors and sub-sectors that are required to monitor and also identifies specific pollutants that must be monitored. The specific benchmark values are identified in Part IV of the permit with the other requirements that are specific to each sector or sub-sector of industrial activities.

**Section A. Use of Benchmark Data**

The permittee must compare the results of analyses to the benchmark values, and must include this comparison in the overall assessment of the SWP3s effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not numeric effluent limitations, however, if a permittee is required to sample for any of the hazardous metals listed in Part III.D.1. of this general permit as part of the benchmark requirements in Part V of this permit, then the permittee is subject to the effluent limitations in Part III.D.1. for those samples that are collected at a final outfall. Results of analyses are indicators that modifications of the SWP3 may be necessary. The Pollution Prevention Team must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 within 90 days following the sampling event.

The Pollution Prevention Team investigation must identify the following:

- 1) any additional potential sources of pollution, such as spills that might have occurred,
- 2) necessary revisions to the Good Housekeeping Measures section of the SWP3,
- 3) additional BMPs, including a schedule to install or implement the BMPs,
- 4) other parts of the SWP3 for which revisions are appropriate.

Background concentrations of specific pollutants may also be considered during the investigation. If the Pollution Prevention Team is able to relate the cause of the exceedance to background concentrations, then subsequent exceedances of benchmark values for that pollutant may be resolved by referencing the earlier finding in the SWP3. Background concentrations may be identified by laboratory analyses of samples of storm water runoff to the permitted facility, by laboratory analyses of samples of storm water runoff from adjacent non-industrial areas, or by identifying the pollutant is a naturally occurring material in soils at the site.

**Section B. Sectors Subject to Benchmark Monitoring**

| MSGP Sector | Industry Sub-sector                    | Required Parameters for Benchmark Monitoring                              |
|-------------|--|---|
| A           | General Sawmills and Planing Mills     | COD, TSS, Total Zinc  |
|             | Wood Preserving Facilities             | Total Arsenic, Total Copper   |
|             | Log Storage and Handling               | TSS   |
|             | Hardwood Dimension and Flooring Mills  | COD, TSS  |
| B           | Paperboard Mills                       | COD   |
| C           | Industrial Inorganic Chemicals         | Total Aluminum, Total Iron, Nitrate + Nitrite N, TSS                      |
|             | Plastics, Synthetic Resins, etc.       | Total Zinc  |
|             | Soaps, Detergents, Cosmetics, Perfumes | Nitrate + Nitrite N, Total Zinc   |
|             | Agricultural Chemicals                 | Nitrate + Nitrite N, Total Lead, Total Iron, Total Zinc, Total Phosphorus |
| D           | Asphalt Paving and Roofing Materials   | TSS   |

| MSGP Sector | Industry Sub-sector   | Required Parameters for Benchmark Monitoring   |
|-------------|---|--|
| E           | Clay Products   | Total Aluminum, TSS, pH  |
|             | Concrete Products   | TSS, Total Iron, pH  |
| F           | Steel Works, Blast Furnaces, and Rolling and Finishing Mills            | Total Aluminum, Total Zinc, TSS  |
|             | Iron and Steel Foundries  | Total Aluminum, TSS, Total Copper, Total Iron, Total Zinc  |
|             | Non-Ferrous Rolling and Drawing   | Total Copper, Total Zinc   |
|             | Non-Ferrous Foundries (Castings)  | Total Copper, Total Zinc   |
| G           | Metal Mining and Dressing   | Refer to Part V Section G  |
| H           | Coal Mines and Coal-Mining Related Facilities                           | TSS, Total Aluminum, Total Iron  |
| J           | Dimension Stone, Crushed Stone, and Nonmetallic Minerals (except fuels) | TSS, pH  |
|             | Sand and Gravel Mining  | Nitrate + Nitrite N, TSS   |
| K           | Hazardous Waste Treatment Storage or Disposal                           | Ammonia-Nitrogen, Total Magnesium, COD, Total Arsenic, Total Cadmium, Total Cyanide, Total Lead, Total Mercury, Total Selenium, Total Silver |
| L           | Landfills, Land Application Sites, and Open Dumps                       | Total Iron, TSS  |
| M           | Automobile Salvage Yards  | TSS, Total Aluminum, Total Iron, Total Lead  |
| N           | Scrap Recycling   | Total Copper, Total Aluminum, Total Iron, Total Lead, Total Zinc, TSS, COD   |
| O           | Steam Electric Generating Facilities                                    | Total Iron, TSS  |
| Q           | Water Transportation Facilities   | Total Aluminum, Total Iron, Total Lead, Total Zinc, TSS  |
| S           | Airports with deicing activities <sup>1</sup>                           | BOD, COD, Ammonia-Nitrogen, pH   |
| T           | Treatment Works   | BOD  |
| U           | Grain Mill Products   | TSS  |
|             | Fats and Oils   | BOD, COD, Nitrate + Nitrite N, TSS   |
| Y           | Rubber Products   | Total Zinc   |
| AA          | Fabricated Metal Products Except Coating                                | Total Iron, Total Aluminum, Total Zinc, Nitrate + Nitrite N, TSS   |
|             | Fabricated Metal Coating and Engraving                                  | Total Zinc, Nitrate + Nitrite N  |

<sup>1</sup> Monitoring is only required for airports with deicing activities that are utilized for deicing more than 100 tons of urea or more than 100,000 gallons of ethylene glycol in any calendar year for the three years prior to submittal of an NOI for coverage under this general permit.



**Section C. Benchmark Monitoring Requirements**

Benchmark monitoring must be conducted once every six months following permit issuance. Monitoring must be continued throughout the permit term for all facilities subject to benchmark sampling.

**1. Monitoring Periods**

Semi-annual sampling must be conducted at least once during the first full monitoring period (January through June or July through December) following permit issuance, and then once during each monitoring period for the term of the general permit.

**2. Reporting Requirements**

Results of analyses for sampling shall be submitted to the TCEQ before March 31<sup>st</sup> of each year. The reported values shall be the average yearly result of analysis for each specific pollutant discharged under a specific SIC code, rather than an outfall-by-outfall, basis. Substantially similar outfalls may be established for benchmark monitoring, in accordance with Part III.C.2. of the general permit. The report must be completed on a form provided by the executive director and mailed to the TCEQ's Wastewater Permitting Section (MC-148).

If sampling during any six month period is not conducted for a pollutant due to adverse weather conditions or drought in accordance with Part III.C.5.(a) of this general permit, then the reported average annual result shall be based on data collected for that year.

**Part V. Specific Requirements for Industrial Activities**

**Section A. Sector A of Industrial Activity - Timber Products Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV of this general permit. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector A. Sector A industrial activities are described by the following Standard Industrial Classification (SIC) codes:

| <b>SECTOR A: TIMBER PRODUCTS</b> |  |
|----------------------------------|--|
| <b>SIC Code</b>                  | <b>Description of Industry Sub-sector</b>  |
| 2411                             | Log Storage and Handling (Wet deck storage areas where no chemical additives are used in the spray water or applied to the logs) |
| 2421                             | General Sawmills and Planning Mills  |
| 2426                             | Hardwood Dimension and Flooring Mills  |
| 2429                             | Special Product Sawmills, Not Elsewhere Classified   |
| 2431-2439<br>(except 2434)       | Millwork, Veneer, Plywood, and Structural Wood<br>(2434 - Wood Kitchen Cabinets, see Sector W)                                   |
| 2441-2449                        | Wood Containers  |
| 2451,2452                        | Wood Buildings and Mobile Homes  |
| 2491                             | Wood Preserving  |
| 2493                             | Reconstituted Wood Products  |
| 2499                             | Wood Products Not Elsewhere Classified   |

**2. Definitions**

Debris - For the purposes of Sector A of this general permit, debris is any woody material (e.g. bark, twigs, branches, heartwood or sapwood) that will not pass through a 1-inch diameter round opening.

Wet decking water - Water sprayed on timber storage piles to deter decay or infestation by insects.

**3. Limitations on Permit Coverage**

This general permit does not authorize the discharge of storm water that has come in contact with areas where chemical formulations designed to provide wood surface protection and wood preservation were sprayed. Storm water discharges from these areas must either be captured within a containment structure and disposed of in a manner that does not allow a discharge into or adjacent to water in the state or discharged under authority of an individual TPDES permit.

#### 4. Non-Storm Water Discharges

Wet Decking Water: In addition to the non-storm water discharges allowed under Part II of this general permit, wet decking water may be discharged from lumber and wood storage yards where the wet decking process does not include chemical additives and where chemicals are not applied to the wood during storage.

#### 5. Description of Potential Pollutants and Sources

Facilities that use, or have previously used, chlorophenolic compounds, creosote, chromium, copper, or arsenic formulations for surface protection of wood or wood preserving activities shall address these activities in the SWP3 according to the requirements of Part III.A.4. of this general permit. The following areas must be included in the inventory of exposed materials:

- (a) areas where treatment chemicals have contaminated soils;
- (b) areas where wood treatment equipment remains; and
- (c) areas where treatment chemicals and treated materials remain.

#### 6. Pollution Prevention Measures and Controls/Management of Runoff with Structural Controls

The following requirements shall be included in the SWP3 according to the requirements of Part III.A.4. and Part III.A.5. of this general permit:

- (a) BMPs and good housekeeping measures shall be implemented to limit the discharge of wood debris, minimize the leachate generated from decaying wood materials, and minimize the generation of dust.
- (b) Structural controls may be used to limit the discharge of wood debris, minimize the leachate generated from decaying wood materials, and minimize the generation of dust.
- (c) Facilities that surface protect or preserve wood products shall develop specific BMPs, including an implementation schedule, to reduce pollution in runoff from these areas of industrial activity. The SWP3 must provide for monthly inspections of wood treatment areas, treated wood storage areas, and treated wood transport loading and unloading areas to assess the effectiveness of specific BMPs and controls. Runoff from wood treatment areas must be prevented or authorized by an individual TPDES permit.
- (d) Periodic Inspections - Periodic inspections for facilities that surface protect or preserve wood products shall include additional inspection procedures for processing areas, transport areas, and treated wood storage areas. The inspection procedures must provide an assessment of the effectiveness of BMPs in minimizing the amount of treatment chemicals that drip on unprotected soils and on other areas that come in contact with storm water.
  - (1) Although inspections are required on a quarterly basis, monthly inspections should be conducted, in the same manner as developed for quarterly inspections, whenever possible.
  - (2) Results and records of inspections shall be evaluated, maintained, and incorporated into the standard periodic inspection reports as described in Part II I.A.5.(g), regardless of the frequency that the inspections are conducted.

- (3) Follow-up procedures shall be identified to ensure that appropriate actions are taken in response to the evaluations of the inspections.

**7. Numeric Effluent Limitations - Applicable to Sector A facilities discharging Wet Decking Water**

- (a) The following numeric effluent limitations, based on guidelines from the Wet Storage Subcategory of the Timber Products Processing Point Source Category (40 CFR § 429.103), apply to discharges of wet decking water. These discharges shall not exceed the following numeric effluent limitations and monitoring requirements:

| <u>Parameter</u> | <u>Limitation</u>              | <u>Monitoring Frequency</u> |
|------------------|--------------------------------|-----------------------------|
| Debris           | Less than 1" diameter          | 1/Year                      |
| pH               | between 6 and 9 standard units | 1/Year                      |

- (b) Sample Type - Grab samples shall be taken prior to combining with other flows, for analyses.
- (c) Reporting Requirement - Results of monitoring for determining compliance with numeric effluent limitations must be either retained at the facility or shall be readily available for review by authorized TCEQ personnel upon request. Results must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form, a duplicate of the form or a self generated form that is comparable.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be reported as required in Part III.E.4.(c) of this permit. In addition, a copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 31<sup>st</sup> following the annual monitoring period.

**8. Benchmark Monitoring Requirements**

The following subsectors must conduct benchmark monitoring on discharges of storm water associated with industrial activities according to the requirements in Part IV of this general permit.

| <b>SIC Code</b> | <b>Description of Industrial Activity</b>  | <b>Benchmark Parameter</b>      | <b>Benchmark Value</b>           |
|-----------------|--|---------------------------------|----------------------------------|
| 2421            | General Sawmills and Planing Mills   | COD<br>TSS<br>Zinc, Total       | 55 mg/L<br>100 mg/L<br>0.16 mg/L |
| 2491            | Wood Preserving  | Arsenic, Total<br>Copper, Total | 0.17 mg/L<br>0.030 mg/L          |
| 2411            | Log Storage and Handling (Wet deck storage areas where no chemical additives are used in the spray water or applied to the logs) | TSS                             | 100 mg/L                         |
| 2426            | Hardwood Dimension and Flooring Mills  | COD<br>TSS                      | 55 mg/L<br>100 mg/L              |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total zinc, total arsenic, and total copper.

**Section B. Sector B of Industrial Activity - Paper and Allied Products Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector B. Sector B industrial activities are described by the following SIC codes:

| <b>SECTOR B: PAPER AND ALLIED PRODUCTS</b> |   |
|--|---|
| <b>SIC Code</b>                            | <b>Description of Industry Sub-sector</b>   |
| 2611                                       | Pulp Mills  |
| 2621                                       | Paper Mills   |
| 2631                                       | Paperboard Mills  |
| 2652 - 2657                                | Paperboard Containers and Boxes   |
| 2671 - 2679                                | Converted Paper and Paperboard Products, Including Plastic Bags Produced from Plastics Film |

**2. Benchmark Monitoring Requirements**

The following subsectors must conduct benchmark monitoring according to the requirements in Part IV of this general permit and must conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| <b>SIC Code</b> | <b>Description of Industrial Activity</b> | <b>Benchmark Parameter</b> | <b>Benchmark Value</b> |
|-----------------|---|----------------------------|------------------------|
| 2631            | Paperboard Mills                          | COD                        | 55 mg/L                |

**Section C. Sector C of Industrial Activity - Chemical and Allied Products Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector C. Sector C industrial activities are described by the following SIC codes:

| <b>SECTOR C: CHEMICAL AND ALLIED PRODUCTS</b> |   |
|---|---|
| <b>SIC Code</b>                               | <b>Description of Industry Sub-sector</b>   |
| 2812 - 2819                                   | Basic Industrial Inorganic Chemicals  |
| 2821 - 2824                                   | Plastic Materials, Synthetic Resins, Non-vulcanizable Elastomers (Synthetic Rubber), Cellulose Plastics Materials, and Other Manmade Fibers Except Glass  |
| 2833 - 2836                                   | Medicinal Chemicals and Botanical Products, Pharmaceutical Preparations, In Vitro and In Vivo Diagnostic Substances, Biological Products (Except Diagnostic Substances).  |
| 2841 - 2844                                   | Soaps and Detergents; Specialty Cleaning, Polishing, and Sanitation Preparations; Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants; Perfumes, Cosmetics, and Other Toilet Preparations; |
| 2851  | Paints, Varnishes, Lacquers, Enamels, and Allied Products   |
| 2861 - 2869                                   | Industrial Organic Chemicals (including commercial composting operations)   |
| 2873 - 2879                                   | Agricultural Chemicals (Including Fertilizers, Pesticides, Fertilizers Solely from Leather Scraps and Leather Dust, and Mixing of Fertilizers, Compost, and Potting Soils)                                      |
| 2891 - 2899                                   | Miscellaneous Chemical Products (Including Adhesives and Sealants, Explosives, Printing Ink, and Carbon Black)  |
| 3952<br>(Limited to List)                     | Inks and Paints, including: China Painting Enamels; India Ink; Drawing Ink; Platinum Paints for Burnt Wood or Leather Work; Paints for China Painting; Artist's Paints; and Artist's Watercolors                |

**2. Non-Storm Water Discharges**

Non-storm water discharges are not eligible for coverage except according to the conditions of Part II.A.5. of this general permit. The following non-storm water discharges are specifically prohibited: discharges containing inks, paints, and other substances resulting from an onsite spill; contents from drip pans; washwaters from material handling and processing areas; and wash waters/rinsewater from drums, tanks, and other containers.

**3. Pollution Prevention Measures and Controls/Management of Runoff with Structural Controls**

The following requirements shall be included in the SWP3 according to requirements of Part III.A.4. and Part III.A.5. of this general permit:

- (a) Security System - A security system shall be developed to prevent accidental or intentional discharges by unauthorized individuals. The system may include fences, lights, traffic controls, building security, and equipment security.
- (b) Practices for Material Handling and Storage Areas - Practices shall be developed to conform with the following:

1. Diking, curbing, berms, or other appropriate controls shall be used in areas where liquid or powdered materials are stored to reduce the potential of contamination of storm water from these materials.
2. Curbs, culverts, gutters, sewers, or other forms of drainage control must be used to minimize contamination of storm water in all other outside storage areas, including areas for machinery, scrap and construction materials, and pallets.
3. Roofs, covers, or other types of protection shall be used in all other outside storage areas to limit or prevent exposure of materials to precipitation or runoff.
4. In areas where liquid or powdered materials are transferred in bulk from truck or rail cars, permittees shall develop and implement measures to minimize contact of materials with precipitation or runoff. Hose connection points at storage containers shall be located within containment areas and drip pans or other measures shall be used outside the containment area (e.g. at hose reels, connection points with rail cars, tank trucks) to prevent spills from contacting precipitation or runoff.
5. In areas where materials are transferred as packaged materials, permittees shall consider providing appropriate protection such as overhangs or door skirts to enclose trailer ends at truck loading docks, or equivalent controls.
6. Structures used to limit pollution at material handling and storage areas should control drainage through the use of manually operated valves or other similar positive control devices. Flapper-type gate valves are not allowed. Pumps may be used to empty containment areas, but pumps must not be automatically activated. If a facility is not engineered with such controls, the facility's separate storm sewer system should be equipped to prevent or divert a discharge of spilled materials until the materials can be recovered.

**4. Numeric Effluent Limitations -** Applicable to Sector C Facilities Discharging Storm Water from Phosphate Manufacturing

- (a) The following numeric effluent limitations, based on guidelines from the Phosphate Subcategory of the Fertilizer Manufacturing Point Source Category (40 CFR § 418.13) apply to any storm water runoff that has come into contact with any raw materials, intermediate product, finished product, by-product or waste from areas of industrial activity described by SIC code 2874 (Phosphatic Fertilizers). Samples of these discharges shall be obtained before the runoff combines with other storm water runoff. Discharges shall not exceed the following numeric effluent limitations, and are subject to monitoring as follows:

| <u>Parameter</u>        | <u>Limitations</u> |                  | <u>Monitoring Frequency</u> |
|-------------------------|--------------------|------------------|-----------------------------|
|                         | <u>Daily Avg</u>   | <u>Daily Max</u> |                             |
| Total Phosphorus (as P) | 35 mg/L            | 105 mg/L         | 1/Year                      |
| Fluoride                | 25 mg/L            | 75 mg/L          | 1/Year                      |

- (b) Sample Type - Grab samples shall be taken prior to combining with other flows, for analyses.
- (c) Reporting Requirement - Results of monitoring for determining compliance with numeric effluent limitations must be either retained at the facility or shall be readily available for review by authorized TCEQ personnel upon request. Results must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form a duplicate of the form or a self generated form that is comparable.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be reported as required in Part III.E.4.(c) of this permit. In addition, a copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 31<sup>st</sup> following the annual monitoring period.

**5. Benchmark Monitoring Requirements**

The following subsectors must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code  | Description of Industrial Activity   | Benchmark Parameter   | Benchmark Value   |
|-----------|--|---|---|
| 2812-2819 | Basic Industrial Inorganic Chemicals   | Aluminum, total<br>Iron, total<br>Nitrate + Nitrite N<br>TSS            | 1.2 mg/L<br>1.3 mg/L<br>0.68 mg/L<br>100 mg/L                             |
| 2821-2824 | Plastics, Synthetic Resins, Non-vulcanized Elastomers (Synthetic Rubber), Cellulose Plastics Materials, and Other Manmade Fibers Except Glass.   | Zinc  | 0.16 mg/L   |
| 2841-2844 | Soaps and Detergents; Specialty Cleaning, Polishing, and Sanitation Preparations; Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants; Perfumes, Cosmetics, and Other Toilet Preparations | Nitrate + Nitrite N<br>Zinc   | 0.68 mg/L<br>0.16 mg/L  |
| 2873-2879 | Agricultural Chemicals (Including Fertilizers, Pesticides, Fertilizers Solely from Leather Scraps and Leather Dust, and Mixing of Fertilizers, Compost, and Potting Soils)                                     | Nitrate + Nitrite N<br>Lead<br>Iron, total<br>Zinc<br>Phosphorus<br>TSS | 0.68 mg/L<br>0.010 mg/L<br>1.3 mg/L<br>0.16 mg/L<br>1.25 mg/L<br>100 mg/L |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total lead and total zinc.

**Section D. Sector D of Industrial Activity - Asphalt Paving and Roofing Materials and Lubricant Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.



**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector D. Sector D industrial activities are described by the following SIC codes:

| <b>SECTOR D: ASPHALT PAVING AND ROOFING MATERIALS AND LUBRICANTS</b> |   |
|--|---|
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>   |
| 2951, 2952   | Asphalt Paving and Roofing Materials, Portable Asphalt Plants                       |
| 2992, 2999   | Miscellaneous Products of Petroleum and Coal Including Lubricating Oils and Greases |

**2. Limitations on Permit Coverage**

The following facilities are not eligible for coverage under Section D of this general permit:

- (a) petroleum refining facilities, including those that manufacture asphalt or asphalt products, including facilities described by SIC 2911 (also see Sector I);
- (b) oil recycling facilities; and
- (c) fats and oils rendering facilities.

**3. Pollution Prevention Measures and Controls**

Periodic Inspections - Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit and conducted at least once per month in the following areas:

- (a) material storage and handling areas;
- (b) areas containing liquid storage tanks, hoppers or silos;
- (c) vehicle and equipment maintenance, cleaning, and fueling areas; and
- (d) material handling, equipment storage, and processing areas.

Results of the inspections shall be evaluated and records of inspections maintained. Follow-up procedures shall be identified to ensure that appropriate actions are taken in response to the inspector's findings.

**4. Numeric Effluent Limitations** - Applicable to Sector D Facilities Discharging Storm Water from Asphalt Emulsion Manufacturing Production Areas

- (a) The following numeric effluent limitations, based on guidelines from the Asphalt Emulsion Subcategory of the Paving and Roofing Materials (Tars and Asphalt) Manufacturing Point Source Category (40 CFR § 443.13) shall apply to all storm water runoff from asphalt paving and roofing

emulsion production areas. Samples of these discharges shall be obtained before the runoff combines with other storm water runoff. Samples shall be analyzed as follows, and must not exceed the following numeric effluent limitations:

| <u>Parameter</u>       | <u>Limitations:</u>  |                  | <u>Monitoring</u> |
|------------------------|----------------------|------------------|-------------------|
|                        | <u>Daily Avg</u>     | <u>Daily Max</u> | <u>Frequency</u>  |
| Total Suspended Solids | 15 mg/L              | 23 mg/L          | 1/Year            |
| Oil and Grease         | 10 mg/L              | 15 mg/L          | 1/Year            |
| pH                     | between 6 and 9 S.U. |                  | 1/Year            |

- (b) Sample Type - Grab samples shall be taken prior to combining with other flows, for analyses.
- (c) Reporting Requirement - Results of monitoring for determining compliance with numeric effluent limitations must be either retained at the facility or shall be readily available for review by authorized TCEQ personnel upon request. Results must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form, a duplicate of the form or a self generated form that is comparable.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be reported as required in Part III.E.4(c) of this permit. In addition, a copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 31<sup>st</sup> following the annual monitoring period.

**5. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring on discharges of stormwater associated with industrial activities according to the requirements in Part IV of this general permit.

| <b>SIC Code</b> | <b>Description of Industrial Activity</b>                     | <b>Benchmark Parameter</b> | <b>Benchmark Value</b> |
|-----------------|---|----------------------------|------------------------|
| 2951, 2952      | Asphalt Paving and Roofing Materials, Portable Asphalt Plants | TSS                        | 100 mg/L               |

**Section E. Sector E of Industrial Activity - Glass, Clay, Cement Concrete, and Gypsum Product Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector E. Sector E industrial activities are described by the following SIC codes:

| <b>SECTOR E: GLASS, CLAY, CEMENT, CONCRETE, AND GYPSUM PRODUCTS</b> |  |
|---|--|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>  |
| 3211  | Flat Glass   |
| 3221, 3229  | Glass and Glassware, Pressed or Blown  |
| 3231  | Glass Products Made of Purchased Glass   |
| 3241  | Hydraulic Cement   |
| 3251-3259   | Structural Clay Products   |
| 3261  | Vitreous China Plumbing Fixtures and China Earthenware Fittings and Bathroom Accessories |
| 3262-3269   | Pottery and Related Products   |
| 3271-3275   | Concrete, Lime, Gypsum and Plaster Products (includes Ready-Mix Concrete Plants)         |
| 3281  | Cut Stone and Stone Products   |
| 3291  | Abrasive Products  |
| 3292  | Asbestos Products  |
| 3295  | Minerals and Earth's, Ground, or Otherwise Treated                                       |
| 3296  | Mineral Wool   |
| 3297  | Non-Clay Refractories  |
| 3299  | Nonmetallic Mineral Products, Not Elsewhere Classified                                   |

## 2. Non-Storm Water Discharges

In addition to the certification requirements required by Part III.A.3.(c) of this general permit, facilities that produce ready-mix concrete, concrete block, and other concrete products shall provide additional certification that process wastewater resulting from washing of trucks, mixers, transport buckets, concrete forms, and other equipment will not discharge into surface water in the state, or shall provide certification that such process wastewater is discharged under authority of a separate TPDES or NPDES permit.

## 3. Pollution Prevention Measures and Controls

The following requirements shall be included in the SWP3 according to requirements of Part III.A.5. of this general permit:

- (a) Specific good housekeeping measures shall be developed to minimize and prevent exposure of spilled cement and aggregate, kiln dust, fly ash, and other dust to precipitation or runoff.
- (b) Wherever possible, fine solids such as cement, fly ash, and kiln dust must be stored in enclosed silos, hoppers, buildings or other structures to prevent exposure to precipitation or runoff.
- (c) Periodic Inspections - Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit, but inspections must be conducted at least once per month.

**4. Numeric Effluent Limitations -** Applicable to Sector E Facilities Discharging Storm Water from Cement Manufacturing

(a) The following numeric effluent limitations, based on guidelines from the Material Storage Piles Runoff Subcategory of the Cement Manufacturing Point Source Category (40 CFR § 411.32) shall apply to any storm water runoff that has come into contact with raw materials, intermediate products, finished products, by-products, or waste materials that are either used or derived from the manufacture of cement. These effluent limitations do not apply to Sector E facilities that are not subject to federal guidelines at 40 CFR Part 411. Samples of these discharges shall be obtained before the runoff combines with other storm water runoff, analyzed, and shall not exceed the following numeric effluent limitations:

| <u>Parameter</u>       | <u>Limitations</u><br><u>Daily Max</u> | <u>Monitoring</u><br><u>Frequency</u> |
|------------------------|--|---------------------------------------|
| Total Suspended Solids | 50 mg/L                                | 1/Year                                |
| pH                     | between 6 and 9 S.U.                   | 1/Year                                |

- (b) Sample Type - Grab samples shall be taken prior to combining with other flows, for analyses.
- (c) Reporting Requirements - Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Part VI of this general permit), a duplicate of the form, or as otherwise provided by the executive director.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be recorded and reported as required in Part.III.E.4.(c) of this permit. In addition, a copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 3<sup>rd</sup> following the annual monitoring period.

(d) Waiver from Numeric Effluent Limitations:

Any untreated overflow from facilities designed, constructed, and operated to treat the volume of runoff from materials storage piles which is associated with a 10-year, 24-hour rainfall event shall not be subject to the pH and TSS limitations.

Rainfall records are required to document events that equal or exceed a 10-year 24-hour event. The operator shall maintain, as a part of the SWP3, the following information in order to receive this waiver:

- (i) engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and
- (ii) records of rainfall from either a rain gauge that is located onsite or a rain gauge maintained in the immediate area of the facility.

**5. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code               | Description of Industrial Activity                          | Benchmark Parameter          | Benchmark Value                            |
|------------------------|---|------------------------------|--|
| 3251-3259<br>3262-3269 | Structural Clay Products<br>Pottery and Related<br>Products | Aluminum, total<br>TSS<br>pH | 1.2 mg/L<br>100 mg/L<br>6.0-9.0 std. units |
| 3271-3275              | Concrete, Lime, Gypsum<br>and Plaster Products              | TSS<br>Iron, total           | 100 mg/L<br>1.3 mg/L                       |

**Section F. Sector F of Industrial Activity - Primary Metals Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector F. Sector F industrial activities are described by the following SIC codes:

| SECTOR F: PRIMARY METALS |  |
|--------------------------|--|
| SIC Code                 | Description of Industry Sub-sector                           |
| 3312-3317                | Steel Works, Blast Furnaces, and Rolling and Finishing Mills |
| 3321-3325                | Iron and Steel Foundries                                     |
| 3331-3339                | Primary Smelting and Refining of Nonferrous Metals           |
| 3341                     | Secondary Smelting and Refining of Nonferrous Metals         |
| 3351-3357                | Rolling, Drawing, and Extruding of Nonferrous Metals         |
| 3363-3369                | Nonferrous Foundries (Castings)                              |
| 3398, 3399               | Miscellaneous Primary Metal Products                         |

**2. Description of Potential Pollutants and Sources**

The inventory of exposed materials must include areas where material handling and air emissions may result in deposits of particulate matter.

**3. Pollution Prevention Measures and Controls**

- (a) Good Housekeeping Measures- This section of the SWP3 must include a program for cleaning and maintaining all impervious areas of the facility where dust, debris, or other particulate matter may

accumulate, especially areas where material loading/unloading, storage, handling and processing occur. Areas where materials are stored, or where there is vehicular traffic, should be paved if vegetative and other stabilization methods are not practical. For areas where paving and vegetative measures are not practical, structural controls shall be developed to trap and limit transport of sediment offsite. Sediment traps, filter fabric fences, and other equivalent measures may be considered.

- (b) **Periodic Inspections** - The periodic inspections shall specifically include areas of the facility that contain air pollution control equipment, such as bag houses, electrostatic precipitators and scrubbers. Process material handling equipment must be inspected for leaks and problems that may result in material loss and spills. Material storage areas, such as piles or bins that contain coal, scrap, and slag, must be inspected for material loss due to wind and precipitation or runoff.

**4. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code  | Description of Industrial Activity                           | Benchmark Parameter  | Benchmark Value   |
|-----------|--|--|---|
| 3312-3317 | Steel Works, Blast Furnaces, and Rolling and Finishing Mills | Aluminum, total<br>Zinc, total<br>TSS  | 1.2 mg/L<br>0.16 mg/L<br>100 mg/L                                       |
| 3321-3325 | Iron and Steel Foundries                                     | Aluminum, total<br>TSS<br>Copper, total<br>Iron, total<br>Zinc, total<br>TSS | 1.2 mg/L<br>100 mg/L<br>0.030 mg/L<br>1.3 mg/L<br>0.16 mg/L<br>100 mg/L |
| 3351-3357 | Rolling, Drawing, and Extruding of Nonferrous Metals         | Copper, total<br>Zinc, total   | 0.030 mg/L<br>0.16 mg/L   |
| 3363-3369 | Nonferrous Foundries (Castings)                              | Copper, total<br>Zinc, total   | 0.030 mg/L<br>0.16 mg/L   |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1 of the permit: total zinc and total copper.

**Section G. Sector G of Industrial Activity - Metal Mining (Ore Mining and Dressing)**

The requirements in Part V of this general permit are sector-specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector G. Sector G industrial activities are described by the following SIC codes:

| <b>SECTOR G: METAL MINING (ORE MINING AND DRESSING)</b> |   |
|---|---|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b> |
| 1011  | Iron Ores                                 |
| 1021  | Copper Ore Mining and Dressing            |
| 1031  | Lead and Zinc Ores                        |
| 1041, 1044  | Gold and Silver Ores                      |
| 1061  | Ferro alloy Ores, Except Vanadium         |
| 1081  | Metal Mining Services                     |
| 1094, 1099  | Miscellaneous Metal Ores                  |

The requirements of Section G apply to storm water discharges from active and inactive metal mining operations and from facilities engaged in developing mines or exploring for metallic ores if the storm water comes into contact with any overburden, raw material, intermediate product, finished product, byproduct, or waste product. The requirements also apply to storm water discharges from ore dressing facilities and processing operations, whether performed at mills operated in conjunction with the mines or at separately operated “custom” mills, if the storm water comes into contact with overburden, raw material, intermediate product, finished product, byproduct, or waste product.

**2. Definitions**

The following definitions apply only to Section G of this general permit:

- (a) Active metal mining facility - a facility where work is conducted to extract, remove, or recover metal ore or where work directly related to the extraction, removal, or recovery of metal ore is conducted.
- (b) Inactive metal mining facility - a facility where metal mining or milling activities occurred in the past, but that does not meet the definition of an active metal mining facility, and for which there is no active mining permit issued by the Railroad Commission of Texas.
- (c) Temporarily inactive metal mining facility - a facility or portion of a facility where metal mining or milling activities occurred in the past, but currently are not taking place, and the facility has an active mining permit issued by the Railroad Commission of Texas.

**3. Limitations on Permit Coverage**

- (a) For storm water discharges from active and temporarily inactive facilities, coverage under this section is limited to storm water that contacts the following areas:
  - (1) topsoil piles;

- (2) haul or access roads not located on active areas, not constructed of waste rock or spent ore, and not where mine water is used for dust control;
  - (3) onsite haul and access roads not constructed of waste rock or spent ore, and where mine water is not used for dust control;
  - (4) runoff from tailings dams and dikes when not constructed of waste rock or tailings, and where no process fluids are present;
  - (5) concentration building and mill site, if no contact with material piles;
  - (6) chemical and explosive storage areas;
  - (7) docking areas, if the storm water does not contact any waste product; and
  - (8) reclaimed areas released from reclamation bonds before December 17, 1990, and partially or inadequately reclaimed areas or areas not release from reclamation bonds.
- (b) The following discharges are not covered by this general permit:
- (1) Discharges from active metal mining facilities subject to effluent limitation guidelines for the Ore Mining and Dressing Point Source Category (40 CFR Part 440); and
  - (2) adit drainage, contaminated springs, and seeps from active, temporarily inactive, and inactive mines.

#### 4. Description of Potential Pollutants and Sources

In addition to requirements of Part III.A.4. of this general permit, the following is required:

- (a) Inventory of Exposed Materials - This section of the SWP3 must contain a summary of any existing ore, waste rock, and overburden characterization data. The summary must include results of all testing for acid rock generation potential. The inventory and the SWP3 shall be updated if the characterization is updated due to a change in the type of ore mined. For inactive metal mining facilities the inventory must identify any significant materials that remain at the facility and include any available characterization data of the material.
- (b) Narrative Description - For inactive metal mining facilities, this section of the SWP3 must include a description of the mining and associated activities that took place at the site. The description shall define the dates of operation, total acreage within the mine, total acreage within the processing area, an estimate of the acres of remaining disturbed area, and any current activities at the site (e.g. reclamation)
- (c) Site Map - A topographic site map (or maps) shall be developed to indicate mining or milling site boundaries; access and haul roads; equipment storage, fueling, and maintenance areas; an outline of the overburden, materials, soils, tailings or wastes storage areas; points of discharge from the property of mine drainage or any other process wastewater, a depiction of the discharge route, and a listing of the type of wastewater; location of existing and proposed tailings piles and ponds; heap leach pads; locations of springs, streams, wetlands, and other surface waters; and boundaries of tributary areas that are subject to effluent limitations and guidelines for the Ore Mining and Dressing Point Source Category (40 CFR Part 440).



**5. Management of Runoff with Structural Controls**

The elimination of a contaminant source through capping of the source may be the most effective control measure. Where capping is used, the source being capped shall be identified and the materials and procedures used to cap the source shall be described within the SWP3.

**6. Benchmark Monitoring Requirements**

Active copper ore mining or dressing facilities must conduct benchmark monitoring according to the standard benchmark monitoring requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code | Description of Industrial Activity | Benchmark Parameter               | Benchmark Value                  |
|----------|------------------------------------|-----------------------------------|----------------------------------|
| 1021     | Copper Ore Mining and Dressing     | COD<br>TSS<br>Nitrate + Nitrite N | 55 mg/L<br>100 mg/L<br>0.68 mg/L |

All storm water discharges from waste rock and overburden piles, resulting from active ore mining or dressing operations included in Sector G, must collect one benchmark monitoring sample according to the requirements in Part IV of this general permit for the following pollutants. For parameters measured above the benchmark value, monitoring must be continued throughout the term of the permit.

| Benchmark Parameter              | Benchmark Value          |
|----------------------------------|--------------------------|
| TSS                              | 100 mg/L                 |
| Turbidity (NTUs)                 | 5 NTUs above background  |
| pH                               | 6.0 - 9.0 standard units |
| Hardness (as CaCO <sub>3</sub> ) | no benchmark value       |
| Total Antimony                   | 0.636 mg/L               |
| Total Arsenic                    | 0.17 mg/L                |
| Total Beryllium                  | 0.13 mg/L                |
| Total Cadmium                    | 0.016 mg/L               |
| Total Copper                     | 0.030 mg/L               |
| Total Iron                       | 1.3 mg/L                 |
| Total Lead                       | 0.010 mg/L               |
| Total Manganese                  | 1.0 mg/L                 |
| Total Mercury                    | 0.0019 mg/L              |
| Total Nickel                     | 1.417 mg/L               |
| Total Selenium                   | 0.05 mg/L                |
| Total Silver                     | 0.0318 mg/L              |
| Total Zinc                       | 0.16 mg/L                |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total arsenic, total cadmium, total copper, total lead, total manganese, total mercury, total nickel, total selenium, total silver, and total zinc.

**Section H. Sector H of Industrial Activity - Coal Mines and Coal Mining Related Facilities**

The requirements in Part V of this general permit are sector-specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector H. Sector H industrial activities are described by the following SIC codes:

| <b>SECTOR H: COAL MINES AND COAL MINING RELATED FACILITIES</b> |   |
|--|---|
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>     |
| 1221-1241  | Coal Mines and Coal Mining-Related Facilities |

The requirements of Section H apply to storm water discharges from the following portions of coal mining-related areas: haul roads; access roads; railroad spurs, sidings, and tracks used to transport coal; areas around conveyors or belts, chutes, and trams that convey coal; equipment storage and maintenance areas; all coal handling areas, including buildings; waste disposal areas; inactive coal mines; and all onsite areas where coal mining/processing activities take place.

**2. Limitations on Permit Coverage**

The following discharges are not covered by this general permit:

- (a) discharges from coal mining activities subject to effluent limitation guidelines for the Coal Mining Point Source Category (40 CFR Part 434);
- (b) seeps and underground drainage from inactive coal mines and refuse disposal areas that may constitute dry-weather flows and do not occur as a direct result of precipitation or runoff; and
- (c) discharges from floordrains in maintenance buildings and similar drains in mining and preparation plant areas.

**3. Pollution Prevention Measures and Controls**

Erosion Control Measures - Erosion, siltation, dust, and other pollutant control regulations administered by the Railroad Commission of Texas shall either be included as components of this section of the SWP3, or shall be incorporated by reference. The Erosion Control Measures shall provide for minimizing disturbed areas and preserving vegetated areas to the maximum extent practicable and must include the following at a minimum:

- (a) Stabilization Measures - Temporary and permanent stabilization measures shall be employed to minimize erosion and may include: maintaining existing native vegetative cover; seeding for temporary or permanent cover; temporary mulching, matting, or netting; sodding; soil binding; using non-acid material for road surfacing; planting trees; and preserving existing trees.
- (b) Structural Measures - Structural measures may include: silt fences; earthen dikes; straw bales; graded terraces; pipe slope drains; porous rock check drains; sedimentation ponds; vegetated drainage swales; capping of contaminant sources; and physical or chemical treatment of storm water.

**4. Comprehensive Site Compliance Evaluation**

The SWP3 shall be revised to reflect the findings of the comprehensive site compliance evaluation within a maximum of 12 weeks following completion of the evaluation for inactive mining facilities.

**5. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code  | Description of Industrial Activity            | Benchmark Parameter                   | Benchmark Value                  |
|-----------|---|---------------------------------------|----------------------------------|
| 1221-1241 | Coal Mines and Coal Mining-Related Facilities | TSS<br>Aluminum, total<br>Iron, total | 100 mg/L<br>1.2 mg/L<br>1.3 mg/L |

**Section I. Sector I of Industrial Activity - Oil and Gas Extraction Facilities**

The requirements in Part V of this general permit are sector-specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

Sector I facilities include facilities with activities directly related to: oil and gas exploration, production, processing, or treatment operations; oil and gas transmission facilities prior to refining; and to oil and gas field service operations.

| SECTOR I: OIL AND GAS EXTRACTION FACILITIES |                                    |
|---|------------------------------------|
| SIC Code                                    | Description of Industry Sub-sector |
| 1311  | Crude Petroleum and Natural Gas    |
| 1321  | Natural Gas Liquids                |
| 1381-1389                                   | Oil and Gas Field Services         |
| 2911  | Petroleum Refineries               |

**2. Limitations on Permit Coverage**

General permit coverage for industrial activities described by Sector I is limited to oil and gas field service companies performing industrial activities described by SIC codes 1381-1389 and petroleum refineries performing industrial activities described by SIC code 2911. Facilities described by SIC codes 1381-1389 are not required to obtain authorization under this permit if the facility has not had a release of a reportable quantity in stormwater for which notification has been required anytime since November

16, 1987. General permit coverage for oil and gas field service companies is limited to the industrial activities that occur at the service company headquarters, permanent offices, or similar base of operations.

General permit coverage for other storm water discharges associated with industrial activity described by Sector I are not eligible for coverage under this general permit. Discharges not eligible for coverage under this permit must be authorized through the following mechanisms:

- (a) Petroleum Refineries - Discharges of storm water from petroleum refineries subject to federal guidelines found at 40 CFR Part 419 must be authorized by an individual TPDES wastewater discharge permit. Only discharges of non-process area storm water runoff that are not subject to 40 CFR Part 419 guidelines may be authorized under this general permit.
- (b) This general permit does not authorize stormwater discharges from facilities with SIC codes 1311, 1321, and 1381-1388. Authorization for these discharges must be obtained through application for a National Pollutant Discharge Elimination System (NPDES) permit under the U.S. EPA and authorization from the Railroad Commission of Texas (if applicable).
- (c) This general permit does not cover storm water discharges from oil and gas field service activities described by SIC code 1381-1389 that occur in the field. Authorization for these discharges must be obtained through application for a National Pollutant Discharge Elimination System (NPDES) permit and authorization from the Railroad Commission of Texas (if applicable).

**Section J. Sector J of Industrial Activity - Mineral Mining and Processing Facilities**

The requirements in Part V of this general permit are sector-specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector J. Sector J industrial activities are described by the following SIC codes:

| <b>SECTOR J: MINERAL MINING AND DRESSING FACILITIES</b> |  |
|---|--|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>        |
| 1411  | Dimension Stone                                  |
| 1422-1429   | Crushed and Broken Stone, Including Rip Rap      |
| 1481  | Nonmetallic Minerals, Except Fuels               |
| 1442,1446   | Sand and Gravel Mining                           |
| 1455,1459   | Clay, Ceramic, and Refractory Materials          |
| 1474-1479   | Chemical and Fertilizer Mineral Mining           |
| 1499  | Miscellaneous Nonmetallic Minerals, Except Fuels |

## 2. Definitions

Aggregates - any commonly recognized construction material originating from a quarry or pit by the disturbance of the surface, including dirt, soil, rock asphalt, granite, gravel, gypsum, marble, sand, stone, caliche, limestone, dolomite, rock, riprap, or other nonmineral substance. The term does not include clay or shale mined for use in manufacturing structural clay products.

Inactive mining facilities or operations - mining sites which are not being actively mined, but which have an identifiable operator.

Quarry - the site from which aggregates for commercial sale are being or have been removed or extracted from the earth to form a pit, including the entire excavation, stripped areas, haulage ramps, and the immediately adjacent land on which the plant processing the raw materials is located. The term does not include any land owned or leased by the operator not being currently used in the production of aggregates for commercial sale or an excavation to mine clay or shale for use in manufacturing structural clay products.

## 3. Annual Comprehensive Site Compliance Evaluation

The SWP3 shall be revised to reflect the findings of the annual comprehensive site compliance evaluation within a maximum of 12 weeks following completion of the evaluation for inactive mining facilities.

## 4. Limitations on Permit Coverage

This general permit does not authorize the discharge of storm water runoff described in the Texas Water Code, Section 26.553 (related to certain quarries located in the John Graves Scenic Riverway, in the Brazos River Basin), where TCEQ rules require coverage under an individual permit or alternative general permit. These facilities must obtain coverage under an alternative TPDES permit as described in applicable TCEQ rules. If TCEQ rules are promulgated after issuance of this general permit, these quarries may obtain coverage under this general permit until a rule is promulgated or an alternative general permit is issued to address the discharges. Coverage under this general permit will expire 90 days following issuance of the rule, or following the time frame specified in the rule or an alternative general permit.

## 5. Numeric Effluent Limitations - Applicable to Sector J facilities discharging storm water from sand, gravel, and crushed stone mining operations subject to federal effluent limits.

(a) The following numeric effluent limitations, based on guidelines for mine dewatering from the Mineral Mining and Processing Point Source Category (40 CFR Part 436), shall apply to mine dewatering operations (discharges from the mine pit of accumulated storm water and ground water seepage) at construction sand and gravel, industrial sand, or crushed stone mining facilities. Samples of these discharges shall be obtained before the runoff combines with other storm water runoff, analyzed, and shall not exceed the following numeric effluent limitations:

(i) For mine dewatering discharges from facilities regulated under 40 CFR Part 436, Subpart B (Crushed Stone Subcategory) and Subpart C (Construction Sand and Gravel Subcategory), the following effluent limits apply:

| <u>Parameter</u> | <u>Limitations</u>   |                  | <u>Monitoring</u> |
|------------------|----------------------|------------------|-------------------|
|                  | <u>Daily Avg</u>     | <u>Daily Max</u> | <u>Frequency</u>  |
| pH               | between 6 and 9 S.U. |                  | 1/Year            |

(ii) For mine dewatering discharges from facilities regulated under 40 CFR Part 436, Subpart D (Industrial Sand Subcategory), the following effluent limits apply:

| <u>Parameter</u>       | <u>Limitations</u>   |                  | <u>Monitoring</u> |
|------------------------|----------------------|------------------|-------------------|
|                        | <u>Daily Avg</u>     | <u>Daily Max</u> | <u>Frequency</u>  |
| Total Suspended Solids | 25 mg/l              | 45 mg/l          | 1/Year            |
| pH                     | between 6 and 9 S.U. |                  | 1/Year            |

These limitations do not apply to Sector J facilities that are not subject to federal guidelines at 40 CFR Part 436.

- (b) Sample Type - Grab samples shall be taken prior to combining with other flows, for analyses.
- (c) Reporting Requirements - Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Part VI of this general permit), a duplicate of the form, or as otherwise provided by the executive director.

Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be recorded and reported as required in Part.III.E.4.(c) of this permit. In addition, a copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 3<sup>rd</sup> following the annual monitoring period.

- (d) Waivers from Numeric Effluent Limitations

Numeric effluent limitations for mine dewatering do not apply to discharges that overflow from structural control facilities that are designed, constructed, and maintained to contain or treat the volume of mine dewatering wastewater that would result from a 10-year, 24-hour storm event. The permittee shall maintain, as a part of the SWP3, the following information in order to receive this waiver: engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and records of rainfall from either a rain gauge that is located onsite or a rain gauge maintained in the immediate area of the site. Rainfall records are only required to document events that equal or exceed a 10-year, 24-hour event.

**6. Benchmark Monitoring Requirements**

The following subsectors must conduct benchmark monitoring on discharges of storm water associated with industrial activities according to the requirements in Part IV of this general permit.

| SIC Code                  | Description of Industrial Activity   | Benchmark Parameter        | Benchmark Value          |
|---------------------------|--|----------------------------|--------------------------|
| 1411<br>1422-1429<br>1481 | Dimension Stone<br>Crushed and Broken<br>Stone, Incl. Rip Rap<br>Nonmetallic Minerals,<br>Except Fuels | TSS<br>pH                  | 100 mg/L<br>6.0-9.0 s.u. |
| 1442,1446                 | Sand and Gravel Mining   | Nitrate + Nitrite N<br>TSS | 0.68 mg/L<br>100 mg/L    |

**7. Pollution Prevention Measures and Controls**

Quarterly Visual Monitoring - Inactive industrial facilities must conduct visual examinations on at least an annual basis, instead of the regularly scheduled quarterly basis as described in Part III.A.5.(h) of this permit. Inactive Sector J facilities may not obtain a waiver from this annual visual monitoring.

**Section K. Sector K of Industrial Activity - Hazardous Waste Storage Facilities**

The requirements in Part V of this general permit are sector-specific and are in addition to the requirements in Parts III. and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

Sector K facilities include those facilities with activities directly related to the treatment, storage, and disposal of hazardous wastes, including those that are operating under the regulatory authority and authorization of subtitle C of the Resource Conservation and Recovery Act (RCRA).

| <b>SECTOR K: HAZARDOUS WASTE STORAGE FACILITIES</b> |   |
|---|---|
| <b>Activity Code</b>                                | <b>Description of Industry Sub-sector</b>                   |
| HZ  | Limited to Hazardous Waste Treatment, Storage, and Disposal |

**2. Limitations on Permit Coverage**

Coverage is limited to those facilities that treat, store, or dispose of hazardous waste. The executive director may require an individual TPDES permit for any discharges under this sector if conditions warrant.

**3. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| Activity Code | Description of Industrial Activity               | Benchmark Parameter | Benchmark Value |
|---------------|--|---------------------|-----------------|
| HZ            | Hazardous Waste Treatment, Storage, and Disposal | Ammonia-Nitrogen    | 8.11 mg/L       |
|               |  | Magnesium, total    | 0.064 mg/L      |
|               |  | COD                 | 55 mg/L         |
|               |  | Arsenic, total      | 0.17 mg/L       |
|               |  | Cadmium, total      | 0.016 mg/L      |
|               |  | Cyanide, total      | 0.064 mg/L      |
|               |  | Lead, total         | 0.010 mg/L      |
|               |  | Mercury, total      | 0.0019 mg/L     |
|               |  | Selenium, total     | 0.05 mg/L       |
|               |  | Silver, total       | 0.032 mg/L      |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total arsenic, total cadmium, total lead, total mercury, total selenium, and total silver.

**Section L. Sector L of Industrial Activity - Landfills and Land Application Sites**

The requirements in Part V of this general permit are sector-specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector L. Sector L industrial activities are described by the following Industrial Activity Code:

| <b>SECTOR L: LANDFILLS AND LAND APPLICATION SITES</b> |  |
|---|--|
| Activity Code   | Description of Industry Sub-sector   |
| LF  | Limited to Landfills, Land Application Sites, and Open Dumps that Receive or Have Previously Received Industrial Waste, including sites subject to regulation under Subtitle D of the Resource Conservation and Recovery Act (RCRA). |

**2. Definitions**

The following definitions apply only to Section L of this general permit:

Final Stabilization - For the purposes of this permit, includes all requirements needed to achieve final regulatory closure of the site.

Inactive landfill - A facility that no longer receives waste and has completed closure according to all applicable federal, state, and local requirements, but where an authorization under this general permit is maintained.



Landfill - a disposal facility or part of a facility where solid waste is placed in or on land and which is not a pile, a land treatment facility, a surface impoundment, an injection well, a salt dome formation, a salt bed formation, an underground mine, a cave, or a corrective action management unit.

Land Application Site, or Land Treatment Facility - A facility or part of a facility at which solid waste is applied onto or incorporated into the soil surface and that is not a corrective action management unit; such facilities are disposal facilities if the waste will remain after closure.

Open Dump - a facility for the disposal of solid waste which is not otherwise defined in this section.

Temporary Stabilization - A condition where exposed soils or disturbed areas are provided a protective cover, which may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place.

### 3. Limitations on Permit Coverage

This general permit specifically does not authorize the discharge of landfill wastewater subject to federal effluent guidelines at 40 CFR Part 445 (Landfills Point Source Category), including but not limited to: leachate; gas collection condensate; drained free liquids; laboratory derived wastewater; contaminated storm water and contact wash water from washing truck, equipment and railcar exteriors; and stormwater from surface areas that have come in direct contact with solid waste at the landfill facility. Discharges subject to federal effluent guidelines at 40 CFR Part 445 must be authorized under an individual TPDES or NPDES permit.

### 4. Description of Potential Pollutants and Sources

Site Map - The site map shall depict the locations of active and closed landfill cells or trenches, locations of active and closed land application areas, and the locations of any known leachate springs or similar uncontrolled leachate sources that could contact stormwater. The site map shall also depict the location of leachate collection and treatment systems.

### 5. Pollution Prevention Measures and Controls

#### (a) Periodic Inspections -

- (1) For inactive landfills and land application sites, this section of the SWP 3 must include inspection procedures for evaluation of stabilization and structural erosion control measures, and leachate collection and treatment systems.
- (2) For active landfills and land application sites:
  - (i) inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit, but inspections must be conducted at least once per week;
  - (ii) inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit, but inspections must be conducted at least once each month where sites are located in areas where annual average rainfall is less than or equal to 20 inches (based on long-term meteorological data).

- (3) For areas of landfill sites where landfill activities are completed and soils are finally stabilized, and for land application sites where land application has been completed, inspection procedures must be developed according to the standard periodic inspection requirements described in Part II I.A.5.(g) of this general permit, but inspections must be conducted at least once every month.
- (b) Erosion Control Measures - Landfill operators shall provide temporary stabilization of all materials that are stockpiled and stored for future use. Inactive areas of the landfill with stockpiled materials that have intermediate cover, but no final cover, shall be stabilized. Inactive areas that have received final cover shall be temporarily stabilized until final stabilization measures are completed. Inactive land application areas shall be temporarily stabilized until final stabilization measures are completed.
- (c) Records - Land application site operators shall maintain a tracking system to define the types and quantities of wastes applied within specific areas of the application site. These records shall either be included in the SWP3 or be referenced and made readily available for review by authorized TCEQ personnel upon request.

**6. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| Activity Code | Description of Industrial Activity  | Benchmark Parameter | Benchmark Value      |
|---------------|---|---------------------|----------------------|
| LF            | Landfills, Land Application Sites, and Open Dumps that Receive or Have Previously Received Industrial Waste, including sites subject to regulation under Subtitle D of the Resource Conservation and Recovery Act (RCRA). | Iron, total<br>TSS  | 1.3 mg/L<br>100 mg/L |

**7. Closed Landfills**

Permit Coverage is not required where a site has achieved final regulatory closure with respect to solid waste regulations, and where the entire landfill area has been filled in, regraded, and finally stabilized.

**Section M. Sector M of Industrial Activity - Automobile Salvage Yards**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector M. Sector M industrial activities are described by the following SIC code:

| <b>SECTOR M: AUTOMOBILE SALVAGE YARDS</b> |   |
|---|---|
| <b>SIC Code</b>                           | <b>Description of Industry Sub-sector</b> |
| 5015                                      | Automobile Salvage Yards                  |

**2. Description of Potential Pollutants and Sources**

Site Map - The site map must include the locations of the following activities if there is potential exposure to storm water:

- (a) vehicle and vehicle parts storage areas;
- (b) vehicle dismantling areas;
- (c) vehicle and equipment fueling and maintenance areas;
- (d) vehicle, parts, and equipment cleaning areas;
- (e) waste treatment, storage and disposal areas; and
- (f) areas where fluids or fuels are stored in drums, tanks, or other containers.

**3. Pollution Prevention Measures and Controls**

Spill Prevention and Response Measures - Vehicles shall be inspected for leaking fluids upon arrival at the facility. Actions shall be immediately taken to prevent the discharge of fluids according to specific measures established by the operator within the Spill Prevention and Response Measures section of the SWP3. All vehicles received for salvage shall be drained of fluids before being routed to crushers for disposal. Vehicles that are stored, and that are not drained of fluids, shall be inspected for leaks at least once per quarter. These inspections may be incorporated as part of the standard periodic inspections. The Spill Prevention and Response Measures shall be developed with specific guidelines for inspecting stored vehicles and measures to be taken when vehicles are identified as leaking or in danger of developing leaks. All fluids must be handled and disposed of according to all applicable state and federal regulations.

Periodic Inspections - Equipment containing hydraulic or other fluids shall be inspected for leaks during the periodic inspections.

Good Housekeeping Measures Equipment operators must conduct inspections of equipment on a daily basis when equipment is in use.

Employee Training Program and Employee Education - The employee training program shall include training on the following operations at facilities where these activities occur or wastes are generated:

- (a) used oil and spent solvent management;
- (b) management of metal filings and dust from welding, grinding, and similar operations that produce metal waste; and
- (c) lead-acid battery management.

**4. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code | Description of Industrial Activity | Benchmark Parameter | Benchmark Value |
|----------|------------------------------------|---------------------|-----------------|
| 5015     | Automobile Salvage Yards           | TSS                 | 100.0 mg/L      |
|          |                                    | Aluminum, total     | 1.2 mg/L        |
|          |                                    | Iron, total         | 1.3 mg/L        |
|          |                                    | Lead, total         | 0.010 mg/L      |

Facilities sampling for the following pollutant as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total lead.

**Section N. Sector N of Industrial Activity - Scrap and Waste Recycling Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector N. Sector N industrial activities are described by the following SIC Code :

| <b>SECTOR N: SCRAP AND WASTE RECYCLING FACILITIES</b> |   |
|---|---|
| SIC Code  | Description of Industry Sub-sector  |
| 5093  | Scrap Recycling Facilities (Scraps include metals, paper, plastic, cardboard, glass, animal hides, used oil, antifreeze, mineral spirits, industrial solvents, and other materials) |

**2. Limitations on Permit Coverage**

Storm water discharges from areas where metal turnings previously exposed to cutting oils are stored or stockpiled, and where these materials are not isolated from storm water by storm resistant shelters, are only eligible for coverage if:

- (a) dedicated containment areas are used that include a perimeter barrier to prevent stormwater run-on and runoff;
- (b) containment areas and perimeter barriers are constructed of concrete, or other similar impermeable oil-resistant materials; and
- (c) if discharges only occur following treatment through an oil/water separator or similarly efficient treatment unit.

**3. Description of Potential Pollutants and Sources**

Site Map - The site map shall clearly show containment areas for metal turnings that are exposed to cutting fluids.

**4. Pollution Prevention Measures and Controls**

Best Management Practices - A scrap material inspection procedure shall be developed for inbound scraps to minimize the receipt of materials that are significant sources of pollutants to storm water discharges. Procedures may include advising scrap suppliers which materials will not be accepted, educating scrap material providers to drain all residual fluids before delivery, and training personnel to recognize significant pollutant sources so that materials may either be rejected or handled in a manner so as to minimize the potential for contamination of storm water. Facilities that receive separated materials from the general public for recycling shall minimize the acceptance of hazardous scrap materials and non-recyclable scrap materials by clearly marking public drop-off containers. The Best Management Practices section of the SWP3 shall identify specific procedures for collecting, handling, and disposing of residual fluids that are recovered from scrap materials, including cutting fluids recovered before discharge from dedicated metal turnings containment areas, and for disposing of non-recyclable scrap materials.

BMPs shall be defined to minimize storm water contact with outdoor stockpiled materials, including any materials that may contain residual fluids. Measures may include permanent or semi-permanent covers, diversion of runoff away from materials through the use of berms, trenches, culverts, or similar controls.

Specific BMPs shall be defined to ensure proper handling, storage, and disposal of scrap lead-acid batteries. BMPs must minimize exposure of lead-acid batteries to storm water, and must provide procedures for handling cracked or leaking batteries.

**5. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code | Description of Industrial Activity  | Benchmark Parameter | Benchmark Value |
|----------|---|---------------------|-----------------|
| 5093     | Scrap Recycling Facilities (Scraps include metals, paper, plastic, cardboard, glass, animal hides, used oil, antifreeze, mineral spirits, industrial solvents, and other materials) | Copper, total       | 0.030 mg/L      |
|          |   | Aluminum, total     | 1.2 mg/L        |
|          |   | Iron, total         | 1.3 mg/L        |
|          |   | Lead, total         | 0.010 mg/L      |
|          |   | Zinc, total         | 0.16 mg/L       |
|          |   | TSS                 | 100 mg/L        |
|          |   | COD                 | 55 mg/L         |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total lead and total zinc.

**Section O. Sector O of Industrial Activity - Steam Electric Generating Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector O. Sector O industrial activities are described by the following Industrial Activity Code:

| <b>SECTOR O: STEAM ELECTRIC GENERATING FACILITIES</b> |   |
|---|---|
| <b>Activity Code</b>                                  | <b>Description of Industry Sub-sector</b>       |
| SE  | Limited to Steam Electric Generating Facilities |

The requirements of Section O apply to storm water discharges from steam electric power generating facilities, including dual fuel co-generation facilities, and to storm water discharges from coal handling areas located at these facilities.

**2. Limitations on Permit Coverage**

Heat capture co-generation facilities and ancillary facilities that are not contiguous to a facility that is covered by this sector (e.g. gas turbine stations, vehicle fleet centers) are not covered by this general permit.

**3. Pollution Prevention Measures and Controls**

Best Management Practices - Measures shall be implemented to limit fugitive dust emissions and offsite tracking of dust and residue from coal and ash handling areas. All residue hauling vehicles must have a proper cover over the load, adequate gate sealing, and good structural integrity to prevent spillage and to minimize fugitive emissions. If the facility's storm water Pollution Prevention Team identifies wetting the surface of the load as an effective BMP for minimizing fugitive dust emissions, this practice may substitute for covering the load. The Best Management Practices section of the SWP3 shall define procedures to prevent or minimize contamination of storm water during delivery of fuel oil and other chemicals. Containment measures at the unloading areas (e.g. drip pans, perimeter containment) shall be used wherever appropriate and a facility employee familiar with spill prevention, containment, and clean-up shall be on site during deliveries. The Best Management Practices section of the SWP3 shall define measures to prevent or minimize contamination of storm water runoff from oil bearing equipment in switchyard areas.

Periodic Inspections - In addition to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit, visual inspections must be conducted at least once per week to determine the structural integrity of above-ground storage tanks, pipelines, pumps and other related equipment.

**4. Comprehensive Site Compliance Evaluation**

In addition to the standard site compliance inspections described in Part III.A.6 of this general permit, personnel must inspect coal handling areas, loading/unloading areas, switchyard, fueling areas, bulk storage areas, ash handling areas, disposal ponds and landfills, maintenance areas, liquid storage tanks, and material storage areas at a minimum frequency of once per month.

**5. Numeric Effluent Limitations - Applicable to Sector O Facilities Discharging Coal Pile Runoff**

(a) The following numeric effluent limitations, based on guidelines from the Steam Electric Generating Point Source Category (40 CFR Part 423.12 (b)(1) and (9)) shall apply to any storm water runoff from coal pile storage areas. Samples of these discharges shall be obtained before the runoff combines with other storm water runoff, analyzed, and shall not exceed the following numeric effluent limitations:

| <u>Parameter</u>       | <u>Limitations</u><br><u>Daily Max</u> | <u>Monitoring</u><br><u>Frequency</u> |
|------------------------|--|---------------------------------------|
| Total Suspended Solids | 50 mg/L                                | 1/Year                                |
| pH                     | between 6 and 9 S.U.                   | 1/Year                                |

- (b) Sample Type - Grab samples shall be taken prior to combining with other flows, for analyses.
- (c) Reporting Requirements - Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Part VI of this general permit), a duplicate of the form, or as otherwise provided by the executive director. Monitoring must be conducted prior to December 31<sup>st</sup> for each annual monitoring period and the results must be recorded and reported as required by Part III.E.4.(c) of this permit. In addition, copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request by March 31<sup>st</sup> following the annual monitoring period.
- (d) Waivers from Numeric Effluent Limitations

Numeric effluent limitations for runoff from coal pile storage areas do not apply to discharges that overflow from structural control facilities that are designed to contain and treat runoff from a 10-year, 24-hour storm event. The permittee shall maintain, as a part of the SWP3, the following information in order to receive this waiver: engineering design records that demonstrate structural controls are adequate to intercept, contain, and treat the volume of runoff from a 10-year, 24-hour storm event; and records of rainfall from either a rain gauge that is located onsite or a rain gauge maintained in the immediate area of the site. Rainfall records are only required to document events that equal or exceed a 10-year, 24-hour event.

**6. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| Activity Code | Description of Industrial Activity              | Benchmark Parameter | Benchmark Value      |
|---------------|---|---------------------|----------------------|
| SE            | Limited to Steam Electric Generating Facilities | Iron, total<br>TSS  | 1.3 mg/L<br>100 mg/L |

**Section P. Sector P of Industrial Activity - Land Transportation and Warehousing (Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, Rail Transportation Facilities, and United States Postal Service Transportation Facilities)**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector P. Sector P industrial activities are described by the following SIC codes:

| SECTOR P: LAND TRANSPORTATION AND WAREHOUSING |   |
|---|---|
| Sic Code                                      | Description of Industry Sub-sector                              |
| 4011,4013                                     | Railroad Transportation   |
| 4111-4173                                     | Local and Highway Passenger Transportation                      |
| 4212-4231                                     | Motor Freight Transportation and Warehousing (Except 4221-4225) |
| 4221-4225                                     | Public Warehousing and Storage                                  |
| 4311  | United States Postal Service                                    |
| 5171  | Petroleum Bulk Stations and Terminals                           |

Except for SIC codes 4221 through 4225, the requirements of this general permit apply only to storm water discharges from areas of Sector P facilities where vehicle and equipment maintenance activities, vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication, and cleaning activities are performed.

For facilities described by SIC codes 4221-4225 (Public Warehousing and Storage), permit coverage is required for all areas of the facility. Facilities described by these SIC codes must submit an NOI or obtain a no exposure exclusion for the facility except as described below for facilities described by SIC code 4225 (General Warehousing and Storage).

If a facility described by SIC code 4225 has any areas for vehicle and equipment maintenance activities, vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication, and cleaning, then the facility must submit an NOI or obtain a no exposure exclusion. Discharges of storm water from facilities described by SIC codes 4225 which do not have areas for vehicle and equipment maintenance activities, vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication, and cleaning activities, are authorized under this general permit and are not required to submit an NOI for coverage nor implement a SWP3 according to the requirements of the general permit. These facilities must comply with the following permit requirements only, and are not subject to additional requirements that are listed in this permit.



- (a) The facility must maintain a condition which ensures that there is no exposure of industrial activities to storm water;
- (b) The facility operator must comply with the requirements of Part III.E. of this permit, related to Standard Permit Conditions (except that references to submittal of an NOI are not applicable); and
- (c) The site must not contain any areas that are used for vehicle and equipment maintenance activities, vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication, and cleaning.

The facility operator must apply for coverage if any of the requirements listed above in Part V.P.1.(a) through (c) are not met. If the TCEQ determines that additional controls are required other than those listed above, or that there is a concern regarding the discharge of elevated levels of pollutants, then the TCEQ may require a facility described by SIC code 4225 to obtain coverage and meet all permit conditions through submittal of an NOI or an individual permit application.

This general permit does not cover facilities described by SIC code 5171 that store crude oil and that are under the regulatory authority of the Railroad Commission of Texas. Authorization for these discharges must be obtained through application for a National Pollutant Discharge Elimination System (NPDES) permit with the U.S. EPA and authorization from the Railroad Commission of Texas.

## 2. **Pollution Prevention Measures and Controls**

Spill Prevention and Response Measures - Vehicles and equipment that are scheduled for maintenance and that have potential fluid leaks shall be confined to a designated area. The Spill Prevention and Response Measures section of the SWP3 shall define specific measures to prevent spills (e.g. mandatory use of drip pans) and to confine spills (e.g. berms or dikes) within this area. This section of the SWP3 shall also define specific measures to prevent or minimize contamination of storm water from fueling areas.

Best Management Practices - This section of the SWP3 must identify specific measures to prevent or minimize contamination of storm water from vehicle and equipment cleaning and maintenance operations. The SWP3 must define specific procedures to ensure that vehicle wash water does not discharge to the storm water collection system or otherwise contact storm water runoff. Railroad transportation facilities that maintain stockpiles of sand to be used for traction purposes (locomotive sanding) shall define specific measures to reduce or prevent offsite transport of sand in storm water runoff.

## **Section Q. Sector Q of Industrial Activity - Water Transportation Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

### 1. **Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector Q. Sector Q industrial activities are described by the following SIC codes:

| <b>SECTOR Q: WATER TRANSPORTATION</b> |   |
|---------------------------------------|---|
| <b>Sic Code</b>                       | <b>Description of Industry Sub-sector</b> |
| 4412-4499                             | Water Transportation                      |

The requirements of this general permit apply only to storm water discharges from areas of Sector Q facilities that perform vehicle and equipment maintenance or cleaning activities.

## 2. Limitations on Permit Coverage

This permit does not authorize the discharge of process wastes associated with a dry dock activity.

## 3. Non-Storm Water Discharges

**Boat Rinse Water** - In addition to the non-storm water discharges allowed under Part II of this general permit, boat rinse water may be discharged from water transportation facilities such as marinas, where the boat rinse water does not contain chemicals, surfactants, or elevated temperatures. Discharge from pressure washing of boats is not authorized under this general permit.

## 4. Description of Potential Pollutants and Sources

Site Map - The site map shall clearly show the locations of the following activities if the activities are exposed to precipitation or runoff: fueling; engine maintenance and repair; vessel maintenance and repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading and unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins); and material storage areas (e.g., blasting media, aluminum, steel, and scrap iron).

## 5. Pollution Prevention Measures and Controls

Best Management Practices - This section of the SWP3 must define specific procedures to ensure that wash water, including high pressure wash water and solids that result from pressure washing vessel hulls, do not discharge to the storm water collection system or otherwise contact storm water runoff. This section must define specific procedures to prevent abrasives, paint chips, and paint overspray from contacting storm water runoff. Methods for collection, storage, and disposal of spent abrasives and other solids waste, resulting from blasting and painting activities, shall be described in this section of the SWP3.

Employee Training Program and Employee Education - The program shall include training on used oil management, spent solvent management, disposal of spent abrasives and vessel wastewater, fueling procedures, painting and blasting procedures, and lead-acid battery management.

Periodic Inspections - Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit and conducted at least once per month in the following areas:

- (a) pressure wash areas;
- (b) abrasive blasting, sanding and painting areas;
- (c) material storage or handling areas;

- (d) engine maintenance or repair areas;
- (e) drydock areas; and
- (f) the general yard area.

**6. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code  | Description of Industrial Activity | Benchmark Parameter | Benchmark Value |
|-----------|------------------------------------|---------------------|-----------------|
| 4412-4499 | Water Transportation               | Aluminum, total     | 1.2 mg/L        |
|           |                                    | Iron, total         | 1.3 mg/L        |
|           |                                    | Lead, total         | 0.010 mg/L      |
|           |                                    | Zinc, total         | 0.16 mg/L       |
|           |                                    | TSS                 | 100 mg/L        |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total lead and total zinc.

**Section R. Sector R of Industrial Activity - Ship and Boat Building or Repair Yards**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements of this section apply to storm water discharges from activities identified and described as Sector R. Sector R industrial activities are described by the following SIC codes:

| <b>SECTOR R: SHIP AND BOAT BUILDING OR REPAIRING YARDS</b> |   |
|--|---|
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b> |
| 3731, 3732   | Ship and Boat Building or Repairing Yards |

**2. Limitations on Permit Coverage**

This permit does not authorize the discharge of process wastes associated with a dry dock activity.

**3. Description of Potential Pollutants and Sources**

Site Map - The site map shall clearly show the locations of the following activities where such activities are exposed to precipitation or runoff: fueling; engine maintenance and repair; vessel maintenance and repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading and unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins); and material storage areas (e.g., blasting media, aluminum, steel, scrap iron).

**4. Pollution Prevention Measures and Controls**

Best Management Practices - This section of the SWP3 must define specific procedures to ensure that wash water, including high pressure wash water and solids that result from pressure washing vessel hulls, does not discharge to the storm water collection system or otherwise contact storm water runoff. The SWP3 shall define specific procedures to prevent abrasives, paint chips, and paint overspray from contacting storm water runoff. Methods for collection, storage, and disposal of spent abrasives and other solids waste, resulting from blasting and painting activities, shall be established as BMPs.

Employee Training Program and Employee Education - The program shall include training on used oil management, spent solvent management, disposal of spent abrasives and vessel wastewater, management of metal filings and dust from welding and grinding operations, fueling procedures, painting and blasting procedures, and lead-acid battery management.

Periodic Inspections - Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit and conducted at least once per month in the following areas:

- (a) pressure wash areas;
- (b) abrasive blasting, sanding and painting areas;
- (c) material storage or handling areas;
- (d) engine maintenance or repair areas;
- (e) drydock areas; and
- (f) the general yard area.

**Section S. Sector S of Industrial Activity - Vehicle Maintenance Areas, Equipment Cleaning Areas, or Deicing Areas located at Air Transportation Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements of this general permit apply to storm water discharges from activities identified and described as Sector S. Sector S industrial activities are described by the following SIC codes:

| <b>SECTOR S: AIR TRANSPORTATION</b> |   |
|-------------------------------------|---|
| <b>SIC Code</b>                     | <b>Description of Industry Sub-sector</b> |
| 4512-4581                           | Air Transportation Facilities             |

The requirements of this general permit apply only to storm water discharges from those portions of facilities described by SIC codes 4512-4581 that are involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication), equipment cleaning operations, or deicing operations.

**2. Limitations on Permit Coverage**

This general permit does not authorize the dryweather discharge of deicing chemicals. If these discharges occur, they must be authorized under a separate TPDES or NPDES permit.

**3. Description of Potential Pollutants and Sources**

Site Map - The site map shall clearly show the location of each tenant at the site that conducts industrial activity subject to coverage under this section of this general permit. The map shall clearly delineate areas where aircraft deicing and anti-icing activities occur.

**4. Pollution Prevention Measures and Controls/Management of Runoff with Structural Controls**

The following requirements shall be included in the SWP3 according to requirements of Part III.A.4. and Part III.A.5. of this general permit:

Good Housekeeping Measures - This section of the SWP3 must describe specific measures to prevent or minimize contamination of storm water from areas used for the maintenance or cleaning of equipment, aircraft, and other vehicles, and for areas where aircraft deicing and anti-icing activities occur. Cleaning shall occur in defined, designated areas only. The SWP3 must describe specific measures to prevent or minimize contamination of storm water, and discharges to the storm sewer system from fuel servicing activities and from other operations conducted in support of the airport fuel system.

Spill Prevention and Response Measures - The Spill Prevention and Response Measures section of the SWP3 must include specific measures to be taken in the event of fuel spills and accidental discharges of fuel to the storm sewer system. Measures shall be developed that will minimize and contain the spill, and that outline spill clean-up procedures.

Best Management Practices - Operators that conduct deicing or anti-icing operations shall evaluate operating procedures on an annual basis to consider alternative practices that may reduce the overall amount of chemical used, or otherwise lessen the environmental impact of the pollutant. This annual review must include a consideration of alternative chemicals for this use. The Best Management Practices section of the SWP3 shall include a narrative discussion of the annual alternative practices review that includes the rationale for changes in practices or the lack of changes in practices. BMPs shall be developed and implemented to ensure against overapplication of chemicals used as a part of deicing and anti-icing operations

Periodic Inspections - Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit conducted at least once per week during deicing or anti-icing activities in the areas where these operations take place.

Records - Facilities that conduct deicing/anti-icing operations shall maintain a record of the types of chemicals used for these activities and maintain monthly records of the amounts of chemicals used. The material safety data sheet (MSDS) for each chemical shall be included as a part of the record. Tenants that conduct deicing/anti-icing operations shall provide this information to the airport authority for inclusion in the SWP3. Records of weekly inspections, when they occur, shall be maintained.

Structural Controls - Operators that conduct deicing or anti-icing activities shall consider controls to capture and contain chemicals used in this activity. Containing activities to specific areas where runoff may be captured and either treated, hauled away for disposal, or disposed of to the sanitary sewer, shall be considered. A narrative description of these considerations, including a rationale for why certain alternatives were either chosen or rejected, shall be incorporated as an element of the SWP3.

**5. Benchmark Monitoring Requirements**

Benchmark monitoring is only required for permittees conducting deicing activities which have used more than 100 tons of urea, or more than 100,000 gallons of ethylene glycol, in any calendar year in the three years prior to submittal of an NOI for coverage under this permit. These volumes of deicing materials refer to the combined activities and usage at the airport as a whole, and not independently to each carrier or operator. Benchmark monitoring is only required to be performed at those outfalls from the airport facility which collect runoff from areas where deicing and/or anti-icing activities occur. The following subsector must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code  | Description of Industrial Activity | Benchmark Parameter                  | Benchmark Value                                  |
|-----------|------------------------------------|--------------------------------------|--|
| 4512-4581 | Airports with Deicing Activities   | BOD<br>COD<br>Ammonia-Nitrogen<br>pH | 30 mg/L<br>55 mg/L<br>8.11 mg/L<br>6.0 to 9 s.u. |

**Section T. Sector T of Industrial Activity - Treatment Works**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements of this general permit apply to storm water discharges from activities identified and described as Sector T. There are no additional requirements under this section that apply to storm water discharges from activities identified and described as Sector T. Sector T industrial activities are described by the following Industrial Activity Code:

| SECTOR T: TREATMENT WORKS |   |
|---------------------------|---|
| Activity Code             | Description of Industry Sub-sector            |
| TW                        | Treatment Works (Wastewater Treatment Plants) |

The requirements of this general permit apply to storm water discharges from areas of Sector T facilities with: treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries), with a design flow of 1.0 million gallons per day or more; or that are required to have an approved pretreatment program (under 40 CFR Part 403).

**2. Limitations on Permit Coverage**

Coverage is limited to those wastewater treatment facilities having a design flow of 1.0 MGD or greater and to facilities with an approved pretreatment program.

Facilities which route all storm water runoff to the plant head works in accordance with an authorization issued through an individual TPDES permit are not required to obtain additional coverage through this general permit.

**3. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| Activity Code | Description of Industrial Activity | Benchmark Parameter | Benchmark Value |
|---------------|------------------------------------|---------------------|-----------------|
| TW            | Wastewater Treatment Plants        | BOD <sub>5</sub>    | 30 mg/L         |

**Section U. Sector U of Industrial Activity - Food and Kindred Products Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector U. Sector U industrial activities are described by the following SIC codes:

| SECTOR U: FOOD AND KINDRED PRODUCTS FACILITIES |  |
|--|--|
| SIC Code                                       | Description of Industry Sub-sector                                   |
| 2011-2015                                      | Meat Products  |
| 2021-2026                                      | Dairy Products   |
| 2032-2038                                      | Canned, Frozen and Preserved Fruits, Vegetables and Food Specialties |
| 2041-2048                                      | Grain Mill Products  |
| 2051-2053                                      | Bakery Products  |
| 2061-2068                                      | Sugar and Confectionery Products                                     |
| 2074-2079                                      | Fats and Oils  |
| 2082-2087                                      | Beverages  |
| 2091-2099                                      | Miscellaneous Food Preparations and Kindred Products                 |
| 2111-2141                                      | Tobacco Products   |

**2. Description of Potential Pollutants and Sources**

Inventory of Exposed Materials - The inventory shall include a list of the pesticides, herbicides, and fungicides applied or stored on the facility property.

Narrative Description - A narrative description of all activities and potential sources of pollutants that may reasonably be expected to add significant amounts of pollutants to stormwater discharges from pest control and chemical storage procedures must be included.

Site Map - The site map shall clearly show the location of vent stacks for cooking, drying, and similar operations, dry product vacuum transfer lines; animal holding pens; spoiled product and broken product container storage areas; and any other processing or storage areas exposed to storm water.

**3. Pollution Prevention Measures and Controls**

Best Management Practices - This section of the SWP3 shall include BMPs to ensure that cleaning methods for vent hoods, storage and baking racks, bins and refuse containers, and other similar cleaning activities do not contribute pollutants to storm water runoff.

Employee Training Program and Employee Education - The program shall include training in pest control application procedures and chemical storage procedures.

**4. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code  | Description of Industrial Activity | Benchmark Parameter                      | Benchmark Value                             |
|-----------|------------------------------------|--|---|
| 2041-2048 | Grain Mill Products                | TSS                                      | 100 mg/L                                    |
| 2074-2079 | Fats and Oils                      | BOD<br>COD<br>Nitrate + Nitrite N<br>TSS | 30 mg/L<br>55 mg/L<br>0.68 mg/L<br>100 mg/L |

**Section V. Sector V of Industrial Activity - Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts II and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector V. Sector V industrial activities are described by the following SIC codes:



| <b>SECTOR V: TEXTILE MILLS, APPAREL, AND OTHER FABRIC PRODUCT MANUFACTURING FACILITIES</b> |   |
|--|---|
| <b>SIC Code</b>  | <b>Description of Industry Sub-sector</b>                                   |
| 2211-2299  | Textile Mill Products   |
| 2311-2399  | Apparel and Other Finished Products Made From Fabrics and Similar Materials |
| 3131-3199  | Leather and Leather Products, except Leather Tanning and Finishing          |

**2. Description of Potential Pollutants and Sources**

Narrative Description - A narrative description of all activities and potential sources of pollutants that may reasonably be expected to add significant amounts of pollutants to storm water discharges from industry specific activities, including the following, shall be included: backwinding; bearing; bleaching; backing; bonding carbonizing; carding; cut and sew operations; desizing; drawing; dyeing; flocking; fulling; knitting; Mercerizing; opening; packing; plying; scouring; slashing; spinning; synthetic-felt processing; textile waste processing; tufting; turning; weaving; web forming; winging; yarn spinning; and yarn texturing.

**3. Pollution Prevention Measures and Controls**

Spill Prevention and Response Measures - This section of the SWP3 shall include measures to inspect, evaluate, and replace connections, valves, transfer lines and pipes that carry chemicals, dyes, or waste. All chemicals shall be stored in a protected area away from drains, and clearly labeled. The SWP3 shall include specific measures to prevent or minimize contamination of stormwater runoff from above ground storage tank areas.

Periodic Inspections - Inspection procedures must be developed according to the standard periodic inspection requirements described in Part III.A.5.(g) of this general permit, but must be conducted at least once per month in material storage areas, material transfer areas, and transmission areas.

Employee Training Program and Employee Education - Employee training shall include training in the management and disposal of any solvents, other petroleum products, dyes, and other chemicals used at the facility.

**Section W. Sector W of Industrial Activity - Wood and Metal Furniture and Fixture Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector W. There are no additional requirements under this section that apply to storm water discharges from activities identified and described as Sector W. Sector W industrial activities are described by the following SIC codes:

| <b>SECTOR W: FURNITURE AND FIXTURES</b> |   |
|---|---|
| <b>SIC Code</b>                         | <b>Description of Industry Sub-sector</b> |
| 2434                                    | Wood Kitchen Cabinets                     |
| 2511-2599                               | Furniture and Fixtures                    |

**Section X. Sector X of Industrial Activity - Printing and Publishing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector X. Sector X industrial activities are described by the following SIC codes:

| <b>SECTOR X: PRINTING AND PUBLISHING</b> |   |
|--|---|
| <b>SIC Code</b>                          | <b>Description of Industry Sub-sector</b>   |
| 2711-2796                                | Printing, Publishing, and Allied Industries |

**2. Description of Potential Pollutants and Sources**

Narrative Description - A narrative description of all activities and potential sources of pollutants that may reasonably be expected to add significant amounts of pollutants to storm water discharges from industry specific activities, including blanket wash and solvent mixing operations.

**3. Pollution Prevention Measures and Controls**

Spill Prevention and Response Measures - The Spill Prevention and Response Measures section of the SWP3 shall include measures to inspect, evaluate, and replace connections, valves, transfer lines and pipes that carry chemicals or wastes. All chemicals (e.g. fuels, solvents, dyes, inks) shall be stored in a protected area, away from drains, and clearly labeled. This section of the SWP3 shall include specific measures to prevent or minimize contamination of storm water runoff from above ground storage tank areas and fueling areas.

Employee Training Program and Employee Education - The program shall include training in the management and disposal of any solvents, other petroleum products, dyes, and other chemicals used at the facility.

**Section Y. Sector Y of Industrial Activity - Rubber and Miscellaneous Plastic Products, and Miscellaneous Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector Y. Sector Y industrial activities are described by the following SIC codes:

| <b>SECTOR Y: RUBBER, MISCELLANEOUS PLASTIC PRODUCTS, AND MISCELLANEOUS MANUFACTURING FACILITIES</b> |   |
|---|---|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>   |
| 3011  | Tires and Inner Tubes   |
| 3021  | Rubber and Plastics Footwear  |
| 3052, 3053  | Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting                |
| 3061, 3069  | Fabricated Rubber Products, Not Elsewhere Classified  |
| 3081-3089   | Miscellaneous Plastics Products   |
| 3931  | Musical Instruments   |
| 3942-3949   | Dolls, Toys, Games and Sporting and Athletic Goods  |
| 3951-3955 (except 3952 facilities as specified in Sector C)   | Pens, Pencils, and Other Artists' Materials   |
| 3961, 3965  | Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal |
| 3991-3999   | Miscellaneous Manufacturing Industries  |

**2. Description of Potential Pollutants and Sources**

Narrative Description - The description shall include a review of the use of any zinc at the facility and possible pathways where zinc could contaminate storm water runoff.

**3. Pollution Prevention Measures and Controls**

Good Housekeeping Measures - This section of the SWP3 shall include specific measures to minimize potential exposure of zinc to stormwater and to minimize or prevent the discharge of plastic resin pellets in storm water.

Best Management Practices - This section of the SWP3 shall include BMPs to minimize or prevent the discharge of plastic resin pellets in storm water runoff. All rubber manufacturing facilities must include specific BMPs and controls to minimize the contamination of storm water from the handling and storage of zinc. Potential sources of zinc must be identified and the accompanying BMPs must be evaluated and incorporated into the SWP3, as appropriate.

- (a) zinc bags must be stored indoors;
- (b) consider the use of 2,500 lb bags of zinc, rather than 50 or 10 lb bags;
- (c) consider the use of chemicals purchased in pre-weighed, sealed polyethylene bags;

- (d) consider the use of automatic dispensing and weighing equipment;
- (e) ensure headspace in containers to minimize “puffing” losses when the containers are opened;
- (f) consider storing waste disposal dumpsters indoors, providing a cover and liner for the dumpster; and
- (g) consider alternatives to zinc.

Spill Prevention and Response Measures - This section of the SWP3 shall address dust generation from rubber grinding operations and install dust collection systems where necessary to prevent the potential contamination of storm water. Specific measures shall be identified for cleanup of zinc spills so that the cleanup may be completed without washing the spill into the storm drain.

**4. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code   | Description of Industrial Activity   | Benchmark Parameter | Benchmark Value |
|------------|--|---------------------|-----------------|
| 3011       | Tires and Inner Tubes  | Zinc, total         | 0.16 mg/L       |
| 3021       | Rubber and Plastics Footwear   | Zinc, total         | 0.16 mg/L       |
| 3052, 3053 | Gaskets, Packing, and Sealing Devices and Rubber and Plastics Hose and Belting | Zinc, total         | 0.16 mg/L       |
| 3061, 3069 | Fabricated Rubber Products, Not Elsewhere Classified                           | Zinc, total         | 0.16 mg/L       |

Facilities sampling for the following pollutant as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total zinc.

**Section Z. Sector Z of Industrial Activity - Leather Tanning and Finishing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector Z. Sector Z industrial activities are described by the following SIC codes:

| SECTOR Z: LEATHER TANNING AND FINISHING |                                    |
|---|------------------------------------|
| SIC Code                                | Description of Industry Sub-sector |
| 3111                                    | Leather Tanning and Finishing      |

**2. Description of Potential Pollutants and Sources**

Site Map - The site map shall clearly show the location of the following activities, if these activities are exposed to storm water: beamhouse, tanyard, retan-wet and dry finishing operations; haul roads; access roads; and rail spurs.

**3. Pollution Prevention Measures and Controls**

Good Housekeeping Measures - Storage areas and storage containers must be labeled.

Best Management Practices - This section of the SWP3 must contain a narrative consideration of methods to isolate the following facility areas and materials from contacting storm water runoff:

- (a) raw, semi-processed, and finished tannery by-products;
- (b) leather dust from buffing or shaving operations;
- (c) receiving, unloading, and storage areas;
- (d) equipment that is contaminated with tannery process materials and from waste management operations (e.g. waste storage areas, dumpsters, waste piles).

**Section AA. Sector AA of Industrial Activity - Fabricated Metal Products Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector AA. Sector AA industrial activities are described by the following SIC codes:

| SECTOR AA: FABRICATED METAL PRODUCTS FACILITIES |  |
|---|--|
| SIC Code  | Description of Industry Sub-sector                                       |
| 3411-3499                                       | Fabricated Metal Products, Except Machinery and Transportation Equipment |
| 3911-3915                                       | Jewelry, Silverware, and Plated Ware                                     |

**2. Pollution Prevention Measures and Controls**

Best Management Practices - This section of the SWP3 must define practices to prevent or minimize exposure of storm water to metal fines and iron dust, solvents and paints, and also from sand where sandblasting operations are conducted.

Spill Prevention and Response Measures - This section of the SWP3 shall include specific spill prevention and response guidelines to address chromium, toluene, pickle liquor, sulfuric acid, zinc, and other water priority /hazardous chemicals that are used at the facility. The installation of perimeter controls to contain spills (e.g. berms, dikes) shall be considered for areas where lubricating and hydraulic fluids, chemicals, paints and other similar liquids are stored.

**3. Benchmark Monitoring Requirements**

The following subsections must conduct benchmark monitoring according to the requirements in Part IV of this general permit and conduct evaluations on the effectiveness of the facility SWP3 based on the following benchmark values:

| SIC Code                            | Description of Industrial Activity       | Benchmark Parameter   | Benchmark Value  |
|-------------------------------------|--|---|--|
| 3411-3471<br>3482-3499<br>3911-3915 | Fabricated Metal Products Except Coating | Iron, total<br>Aluminum, total<br>Zinc, total<br>Nitrate + Nitrite N<br>TSS | 1.3 mg/L<br>1.2 mg/L<br>0.16 mg/L<br>0.68 mg/L<br>100 mg/L |
| 3479                                | Fabricated Metal Coating and Engraving   | Zinc, total<br>Nitrate + Nitrite N  | 0.16 mg/L<br>0.68 mg/L                                     |

Facilities sampling for the following pollutants as part of benchmark sampling are also subject to the numeric effluent limits and reporting requirements listed in Part III.D.1. of the permit: total zinc.

**Section AB. Sector AB of Industrial Activity - Transportation Equipment and Industrial or Commercial Machinery Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**1. Description of Industrial Activity**

The requirements under this section apply to storm water discharges from activities identified and described as Sector AB. Sector AB industrial activities are described by the following SIC codes:

| <b>SECTOR AB: TRANSPORTATION EQUIPMENT, INDUSTRIAL OR COMMERCIAL MACHINERY MANUFACTURING FACILITIES</b> |   |
|---|---|
| SIC Code  | Description of Industry Sub-sector  |
| 3511-3599<br>(except 3571-3579)   | Industrial and Commercial Machinery<br>(except Computer and Office Equipment - see Sector AC) |
| 3711-3799<br>(except 3731,3732)   | Transportation Equipment<br>(except Ship and Boat Building and Repairing - see Sector R)      |

**2. Description of Potential Pollutants and Sources**

Site Map - The site map shall clearly show the location of vents and stacks from metal processing and similar areas.

**Section AC. Sector AC of Industrial Activity - Electronic and Electrical Equipment/Components, and Photographic/Optical Goods Manufacturing Facilities**

The requirements in Part V of this general permit are sector specific and are in addition to the requirements in Parts III and IV. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**Description of Industrial Activity**

There are no additional requirements under this section that apply to storm water discharges from activities identified and described as Sector AC. Sector AC industrial activities are described by the following SIC codes:

| <b>SECTOR AC: ELECTRONIC, ELECTRICAL, PHOTOGRAPHIC, AND OPTICAL GOODS</b> |   |
|---|---|
| <b>SIC Code</b>   | <b>Description of Industry Sub-sector</b>                                       |
| 3612-3699   | Electronic, Electrical Equipment and Components, except Computer Equipment      |
| 3812 - 3873   | Measuring, Analyzing and Controlling Instrument; Photographic and Optical Goods |
| 3571-3579   | Computer and Office Equipment   |

**Section AD. Sector AD of Industrial Activity - Miscellaneous Industrial Activities**

**1. Description of Industrial Activity**

Sector AD is used to provide permit coverage for facilities that are designated by the executive director as needing a permit to control pollution related to storm water discharges and that do not meet the description of an industrial activity covered by Sectors A-AC. Where co-located industrial activities occur (refer to Part II.A.2. of this general permit) the additional conditions and requirements in Part V of this general permit for each of these activities also apply.

**2. Limitations on Permit Coverage**

- (a) Facilities may not request general permit coverage under Sector AD. Coverage under this sector is reserved for those facilities that are designated by the executive director as eligible for coverage under this sector of this general permit.
- (b) Facilities that are determined by the executive director to need controls in addition to the requirements in Part II and Part III of this general permit will be required to obtain an individual TPDES permit.

## Part VI. Discharge Monitoring Report (DMR) Forms

Many facilities authorized under this general permit must sample and analyze discharges of storm water for specific pollutants to determine compliance with numeric effluent limitations. For results that must be submitted to the TCEQ, permittees may use the DMR forms provided in this section of the general permit, a duplicate of the form, or as otherwise provided by the executive director.

### Section A. Instructions for Completing a DMR

1. Permittee Name/Address Section - Enter the permittee name and facility name if it is different than the permittee name, in the space labeled "Name." Enter the address of the facility in the space labeled "Address." Enter a description of the physical location of the facility (e.g., on Smith Road, approximately 1/4 mile east of the intersection of Smith Road and Lost Pines Avenue).
2. Permit Number - Enter the permit number. The number must start with the TXR05 prefix and be followed by 4 values that were assigned by TCEQ to specifically identify the authorization under the general permit (e.g., TXR05K001). This number must also be entered in the upper right hand corner of each DMR.
3. Discharge Number - The field for discharge number is not applicable and is pre-coded with a "N/A" designation.
4. Monitoring Period - The monitoring period is pre-coded as January 1 through December 31. However, the two digit number for the specific year that the monitoring period covers (e.g., 01 for calendar year 2001) must be entered.
5. Parameter - The parameters to be sampled and analyzed are pre-coded on the form.
6. Quality or Concentration - Maximum Column - The permitted value is pre-coded in the shaded area of this column. In the unshaded spaces in this column, enter the highest measured value for each parameter. If a permittee sampled more frequently than once per year, then the permittee should enter the highest value from all of the sample results. Results must be entered in the units listed on the form.
7. No. Ex Column - Indicate the number of measurements that did not comply with the daily maximum permit limit for each of the listed parameters in the unshaded space.
8. Frequency of Analysis Column - Enter the actual frequency of analysis that you performed for each of the listed parameters in the unshaded space. If the permittee sampled once per year as required by the permit, then enter "1/Year." If the permittee sampled more frequently, enter that information.
9. Sample Type Column - Enter the actual sample type that was used to collect samples for each parameter (e.g., grab or composite).
10. Comments and Explanations of Any Violations Section: The permittee must include an explanation for any results that do not meet the permit requirements, and should identify the cause of the noncompliance and corrective measures. This section may also be used to provide any other pertinent information related to reported data. If additional space is necessary, a written report may be attached.



11. Name/Title Principal Executive Officer, Telephone, and Date: Each form must be signed and dated by a Principal Executive Officer. A principal executive officer is a high ranking official that has overall management responsibility for the facility (e.g., Company President, General Partner, Environmental Manager, etc.). The telephone number for the signing individual must be included on the form. The date is the date when the DMR is signed by the principal executive officer.

**Section B. Discharge Monitoring Report (DMR) Forms**

**HAZARDOUS METALS - INLAND WATERS**

**STW / TXR05 \_\_\_\_\_ / CO**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page.**

NAME

ADDRESS

FACILITY LOCATION

| (2-16)            |         |         | (17-19)          |         |                 |
|-------------------|---------|---------|------------------|---------|-----------------|
| PERMIT NUMBER     |         |         | N/A              |         |                 |
| DISCHARGE NUMBER  |         |         | DISCHARGE NUMBER |         |                 |
| MONITORING PERIOD |         |         |                  |         |                 |
| YEAR              | MO      | DAY     | YEAR             | MO      | DAY             |
|                   | 01      | 01      |                  | 12      | 31              |
|                   | (20-21) | (22-23) | (24-25)          | (26-27) | (28-29) (30-31) |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

| PARAMETER (32-37) | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (54-61) |         |               | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-------------------|----------------------------------|---|---------|-------|--|---------|---------------|----------------|-------------------------------|---------------------|
|                   |                                  | AVERAGE                                   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM       |                |                               |                     |
| Arsenic           | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |               |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 0.3 Daily Max |                | 1/Year                        | Grab                |
| Barium            | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |               |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 4.0 Daily Max | mg/l           | 1/Year                        | Grab                |
| Cadmium           | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |               |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 0.2 Daily Max | mg/l           | 1/Year                        | Grab                |
| Chromium          | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |               |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 5.0 Daily Max | mg/l           | 1/Year                        | Grab                |
| Copper            | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |               |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 2.0 Daily Max | mg/l           | 1/Year                        | Grab                |

|  |   |           |        |      |    |     |
|--|---|-----------|--------|------|----|-----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | TELEPHONE |        | DATE |    |     |
|  |   | AREA CODE | NUMBER | YEAR | MO | DAY |
| TYPED OR PRINTED                       | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**HAZARDOUS METALS - INLAND WATERS**

STW / TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page.**

Example: STW/ TXR05J102/ CO

NAME

ADDRESS

FACILITY LOCATION

(2-16)

(17-19)

|               |
|---------------|
|               |
| PERMIT NUMBER |

|                  |
|------------------|
| N/A              |
| DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

| MONITORING PERIOD |         |         |  |         |         |         |
|-------------------|---------|---------|--|---------|---------|---------|
| YEAR              | MO      | DAY     |  | YEAR    | MO      | DAY     |
|                   | 01      | 01      |  |         | 12      | 31      |
| (20-21)           | (22-23) | (24-25) |  | (26-27) | (28-29) | (30-31) |

| PARAMETER (32-37) | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |                |       | NO. EX (62-69) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-------------------|----------------------------------|---|---------|-------|--|---------|----------------|-------|----------------|-------------------------------|---------------------|
|                   |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM        | UNITS |                |                               |                     |
| Lead              | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 1.5 Daily Max  |       |                | 1/Year                        | Grab                |
| Manganese         | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 3.0 Daily Max  | mg/l  |                | 1/Year                        | Grab                |
| Mercury           | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.01 Daily Max | mg/l  |                | 1/Year                        | Grab                |
| Nickel            | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 3.0 Daily Max  | mg/l  |                | 1/Year                        | Grab                |
| Selenium          | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.2 Daily Max  | mg/l  |                | 1/Year                        | Grab                |

|  |   |           |  |                  |        |      |    |     |
|--|---|-----------|--|------------------|--------|------|----|-----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | TELEPHONE | DATE   |                  |        |      |    |     |
|  |   |           | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE        | NUMBER | YEAR | MO | DAY |
|  |   |           |  | TYPED OR PRINTED |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**HAZARDOUS METALS - INLAND WATERS**

STW / TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
|                   | 01      | 01      |         | 12      | 31      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

| PARAMETER (32-37) | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |               |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-------------------|----------------------------------|---|---------|-------|--|---------|---------------|-------|----------------|-------------------------------|---------------------|
|                   |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM       | UNITS |                |                               |                     |
| Silver            | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       | 63             | (64-68)                       |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.2 Daily Max | mg/l  |                | 1/Year                        | Grab                |
| Zinc              | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 6.0 Daily Max | mg/l  |                | 1/Year                        | Grab                |

|  |   |  |           |      |      |     |  |
|--|---|--|-----------|------|------|-----|--|
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| TYPED OR PRINTED                       |   | AREA CODE  | NUMBER    | YEAR | MO   | DAY |  |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**HAZARDOUS METALS - TIDAL WATERS**

**STW / TXR05 \_\_\_\_\_ / CO**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 NAME DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
 P.O. Box 13087  
 Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
|                   | 01      | 01      |         | 12      | 31      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

| PARAMETER (32-37) | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |               |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-------------------|----------------------------------|---|---------|-------|--|---------|---------------|-------|----------------|-------------------------------|---------------------|
|                   |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM       | UNITS |                |                               |                     |
| Arsenic           | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.3 Daily Max | mg/l  |                | 1/Year                        | Grab                |
| Barium            | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 4.0 Daily Max | mg/l  |                | 1/Year                        | Grab                |
| Cadmium           | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.3 Daily Max | mg/l  |                | 1/Year                        | Grab                |
| Chromium          | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 5.0 Daily Max | mg/l  |                | 1/Year                        | Grab                |
| Copper            | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |               |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 2.0 Daily Max | mg/l  |                | 1/Year                        | Grab                |

|  |   |  |           |        |      |    |     |
|--|---|--|-----------|--------|------|----|-----|
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|  |   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |           |        |      |    |     |
| TYPED OR PRINTED                       |   |  | AREA CODE | NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if  
NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |                         |
|---------------|-------------------------|
| (2-16)        | (17-19)                 |
| PERMIT NUMBER | N/A<br>DISCHARGE NUMBER |

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |      |
|-------------------|---------|---------|---------|---------|------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY  |
|                   | 01      | 01      |         | 12      | 31   |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30- |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

| PARAMETER (32-37) | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |                |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-------------------|----------------------------------|---|---------|-------|--|---------|----------------|-------|----------------|-------------------------------|---------------------|
|                   |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM        | UNITS |                |                               |                     |
| Lead              | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 1.5 Daily Max  | mg/l  | 1/Year         | Grab                          |                     |
| Manganese         | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 3.0 Daily Max  | mg/l  | 1/Year         | Grab                          |                     |
| Mercury           | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.01 Daily Max | mg/l  | 1/Year         | Grab                          |                     |
| Nickel            | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 3.0 Daily Max  | mg/l  | 1/Year         | Grab                          |                     |
| Selenium          | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                |       |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 0.3 Daily Max  | mg/l  | 1/Year         | Grab                          |                     |

|  |   |  |           |        |      |    |
|--|---|--|-----------|--------|------|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | TELEPHONE  |           | DATE   |      |    |
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| TYPED OR PRINTED                       |   |  |           |        |      |    |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**HAZARDOUS METALS - TIDAL WATERS**

STW / TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if  
NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
(NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

**NOTE: Enter your permit number in the  
underlined space in the upper right hand  
corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |  |                  |  |
|---------------|--|------------------|--|
| PERMIT NUMBER |  | DISCHARGE NUMBER |  |
|               |  | N/A              |  |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

FACILITY  
LOCATION

| MONITORING PERIOD |         |         |         |         |      |
|-------------------|---------|---------|---------|---------|------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY  |
|                   | 01      | 01      |         | 12      | 31   |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30- |

| PARAMETER<br>(32-37) | SAMPLE MEASUREMENT | (3 Card Only) QUANTITY OR LOADING<br>(46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION<br>(38-45) (46-53) (54-61) |         |               |       | NO. EX<br>(62-63) | FREQUENCY OF ANALYSIS<br>(64-68) | SAMPLE TYPE<br>(69-70) |
|----------------------|--------------------|--|---------|-------|---|---------|---------------|-------|-------------------|----------------------------------|------------------------|
|                      |                    | AVERAGE  | MAXIMUM | UNITS | MINIMUM   | AVERAGE | MAXIMUM       | UNITS |                   |                                  |                        |
| Silver               | SAMPLE MEASUREMENT | *****  | *****   | ***** | *****   | *****   |               |       |                   |                                  |                        |
|                      | SAMPLE REQUIREMENT | *****  | *****   | ***** | *****   | *****   | 0.2 Daily Max | mg/l  |                   | 1/Year                           | Grab                   |
| Zinc                 | SAMPLE MEASUREMENT | *****  | *****   | ***** | *****   | *****   |               |       |                   |                                  |                        |
|                      | SAMPLE REQUIREMENT | *****  | *****   | ***** | *****   | *****   | 6.0 Daily Max | mg/l  |                   | 1/Year                           | Grab                   |

|  |   |  |           |        |      |    |     |
|--|---|--|-----------|--------|------|----|-----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | TELEPHONE  |           | DATE   |      |    |     |
| TYPED OR PRINTED                       |   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**COAL PILE RUNOFF EXCEPT FOR SECTOR O**

STW/ TXR05\_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

NAME

DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

ADDRESS

|                  |     |
|------------------|-----|
| PERMIT NUMBER    | N/A |
| DISCHARGE NUMBER |     |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
|                   | 01      | 01      |         | 12      | 31      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

| PARAMETER (32-37)      | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |                 |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|------------------------|----------------------------------|---|---------|-------|--|---------|-----------------|-------|----------------|-------------------------------|---------------------|
|                        |                                  | AVERAGE                                   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM         | UNITS |                |                               |                     |
| Total Suspended Solids | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 50 Daily Max    | mg/l  |                | 1/Year                        | Grab                |
| pH                     | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 6.0 - 9.0 Range | S.U.  |                | 1/Year                        | Grab                |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |         |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |         |                 |       |                |                               |                     |

|  |  |  |           |        |      |    |     |
|--|--|--|-----------|--------|------|----|-----|
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| TYPED OR PRINTED                       |  | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |
|  |  |  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



**SECTOR A FACILITIES**

STW/ TXR05\_\_\_\_\_ / CO 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

NAME

DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |      |
|-------------------|---------|---------|---------|---------|------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY  |
|                   | 01      | 01      |         | 12      | 31   |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30- |

| PARAMETER (32-37) | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |                   |        | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-------------------|----------------------------------|---|---------|-------|--|---------|-------------------|--------|----------------|-------------------------------|---------------------|
|                   |                                  | AVERAGE                                   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM           | UNITS  |                |                               |                     |
| Debris            | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |                   |        |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | < 1 Inch Diameter | Inches |                | 1/Year                        | Grab                |
| pH                | SAMPLE MEASUREMENT               | *****                                     | *****   | ***** | *****  | *****   |                   |        |                |                               |                     |
|                   | SAMPLE REQUIREMENT               | *****                                     | *****   | ***** | *****  | *****   | 6.0 - 9.0 Range   | S.U.   |                | 1/Year                        | Grab                |
|                   | SAMPLE MEASUREMENT               |   |         |       |  |         |                   |        |                |                               |                     |
|                   | SAMPLE REQUIREMENT               |   |         |       |  |         |                   |        |                |                               |                     |

|  |   |  |           |        |      |    |     |
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| TYPED OR PRINTED                       |   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |
|  |   |  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**SECTOR C FACILITIES**

STW/ TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

NAME

DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |      |
|-------------------|---------|---------|---------|---------|------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY  |
|                   | 01      | 01      |         | 12      | 31   |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30- |

| PARAMETER (32-37)                      | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53)  |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) |  |               |           | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |     |
|--|----------------------------------|--|---------|-------|--|--|---------------|-----------|----------------|-------------------------------|---------------------|-----|
|  |                                  | AVERAGE (54-61)  | MAXIMUM | UNITS | MINIMUM  | AVERAGE  | MAXIMUM       | UNITS     |                |                               |                     |     |
| Total Phosphorus (As P)                | SAMPLE MEASUREMENT               | *****  | *****   | ***** | *****  | *****  |               |           |                |                               |                     |     |
|  | SAMPLE REQUIREMENT               | *****  | *****   | ***** | *****  | 35 Daily Avg   | 105 Daily Max | mg/l      |                | 1/Year                        | Grab                |     |
| Fluoride                               | SAMPLE MEASUREMENT               | *****  | *****   | ***** | *****  | *****  |               |           |                |                               |                     |     |
|  | SAMPLE REQUIREMENT               | *****  | *****   | ***** | *****  | 25 Daily Avg   | 75 Daily Max  | mg/l      |                | 1/Year                        | Grab                |     |
|  | SAMPLE MEASUREMENT               |  |         |       |  |  |               |           |                |                               |                     |     |
|  | SAMPLE REQUIREMENT               |  |         |       |  |  |               |           |                |                               |                     |     |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER |                                  | <small>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND/OR IMPRISONMENT FOR KNOWING VIOLATIONS.</small> |         |       |  | TELEPHONE  |               | DATE      |                |                               |                     |     |
| TYPED OR PRINTED                       |                                  |  |         |       |  | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |               | AREA CODE | NUMBER         | YEAR                          | MO                  | DAY |
|  |                                  |  |         |       |  |  |               |           |                |                               |                     |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**SECTOR D FACILITIES**

STW/ TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |    |
|-------------------|---------|---------|---------|---------|----|
| YEAR              | MO      | DAY     | YEAR    | MO      | DA |
|                   | 01      | 01      |         | 12      | 31 |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (3 |

| PARAMETER (32-37)      | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |              |                 |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|------------------------|----------------------------------|---|---------|-------|--|--------------|-----------------|-------|----------------|-------------------------------|---------------------|
|                        |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE      | MAXIMUM         | UNITS |                |                               |                     |
| Total Suspended Solids | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****        |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | 15 Daily Avg | 23 Daily Max    | mg/l  |                | 1/Year                        | Grab                |
| Oil & Grease           | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****        |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | 10 Daily Avg | 15 Daily Max    | mg/l  |                | 1/Year                        | Grab                |
| pH                     | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****        |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****        | 6.0 - 9.0 Range | S.U.  |                | 1/Year                        | Grab                |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |              |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |              |                 |       |                |                               |                     |

|  |  |  |           |        |      |    |     |
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| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | <small>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</small> | TELEPHONE  |           | DATE   |      |    |     |
| TYPED OR PRINTED                       |  | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |
|  |  |  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**SECTOR E FACILITIES**

STW/ TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 NAME DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
 P.O. Box 13087  
 Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |      |
|-------------------|---------|---------|---------|---------|------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DA   |
|                   | 01      | 01      |         | 12      | 31   |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30- |

| PARAMETER (32-37)      | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |                 | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|------------------------|----------------------------------|---|---------|-------|--|---------|-----------------|----------------|-------------------------------|---------------------|
|                        |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM         |                |                               |                     |
| Total Suspended Solids | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                 | 63             | 1/Year                        | Grab                |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 50 Daily Max    |                |                               |                     |
| pH                     | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                 |                | 1/Year                        | Grab                |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 6.0 - 9.0 Range |                |                               |                     |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |         |                 |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |         |                 |                |                               |                     |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |         |                 |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |         |                 |                |                               |                     |

|  |   |  |           |        |      |    |     |
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|  |   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |
| TYPED OR PRINTED                       |   |  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**SECTOR J FACILITIES**

STW/ TXR05 \_\_\_\_\_ / CO

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

ADDRESS

|                  |     |
|------------------|-----|
| PERMIT NUMBER    | N/A |
| DISCHARGE NUMBER |     |

FACILITY LOCATION

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
|                   | 01      | 01      |         | 12      | 31      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

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Only If required, mail to: TCEQ (MC 212)  
P.O. Box 13087  
Austin, TX 78711-3087

| PARAMETER (32-37)      | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |              |                 |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|------------------------|----------------------------------|---|---------|-------|--|--------------|-----------------|-------|----------------|-------------------------------|---------------------|
|                        |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE      | MAXIMUM         | UNITS |                |                               |                     |
| Total Suspended Solids | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****        |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | 25 Daily Avg | 45 Daily Max    | mg/l  |                | 1/Year                        | Grab                |
| pH                     | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****        |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****        | 6.0 - 9.0 Range | S.U.  |                | 1/Year                        | Grab                |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |              |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |              |                 |       |                |                               |                     |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |              |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |              |                 |       |                |                               |                     |

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|  |   |  | AREA CODE | NUMBER | YEAR | MO | DAY |
| TYPED OR PRINTED                       |   |  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 NAME DISCHARGE MONITORING REPORT (DMR)

**NOTE: Enter your permit number in the underlined space in the upper right hand corner of this page. Example: STW/ TXR05J102/ CO**

ADDRESS

|               |                  |
|---------------|------------------|
|               | N/A              |
| PERMIT NUMBER | DISCHARGE NUMBER |

Only If required, mail to: TCEQ (MC 212)  
 P.O. Box 13087  
 Austin, TX 78711-3087

FACILITY LOCATION

| MONITORING PERIOD |    |         |         |    |      |
|-------------------|----|---------|---------|----|------|
| YEAR              | MO | DAY     | YEAR    | MO | DA   |
| (20-21)           | 01 | 01      | (26-27) | 12 | 31   |
| (22-23)           |    | (24-25) | (28-29) |    | (30- |

| PARAMETER (32-37)      | SAMPLE MEASUREMENT / REQUIREMENT | (3 Card Only) QUANTITY OR LOADING (46-53) (54-61) |         |       | (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61) |         |                 |       | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|------------------------|----------------------------------|---|---------|-------|--|---------|-----------------|-------|----------------|-------------------------------|---------------------|
|                        |                                  | AVERAGE   | MAXIMUM | UNITS | MINIMUM  | AVERAGE | MAXIMUM         | UNITS |                |                               |                     |
| Total Suspended Solids | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 50 Daily Max    | mg/l  |                | 1/Year                        | Grab                |
| pH                     | SAMPLE MEASUREMENT               | *****   | *****   | ***** | *****  | *****   |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               | *****   | *****   | ***** | *****  | *****   | 6.0 - 9.0 Range | S.U.  |                | 1/Year                        | Grab                |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |         |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |         |                 |       |                |                               |                     |
|                        | SAMPLE MEASUREMENT               |   |         |       |  |         |                 |       |                |                               |                     |
|                        | SAMPLE REQUIREMENT               |   |         |       |  |         |                 |       |                |                               |                     |

|  |  |  |           |        |      |    |     |
|--|--|--|-----------|--------|------|----|-----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | <small>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</small> | TELEPHONE  |           | DATE   |      |    |     |
| TYPED OR PRINTED                       |  | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |
|  |  |  |           |        |      |    |     |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)