



Florida Department of Environmental Protection

**National Pollutant Discharge Elimination
System (NPDES)
Industrial Stormwater Permit**

Sector Q and Sector R

October 13, 2017





NPDES Overview

- Regulates point source discharges of stormwater into Florida's surface waters:
 - Municipal separate stormwater system (MS4)
 - Industrial activities
 - Construction activities
- Delegated by the U.S. Environmental Protection Agency (EPA) to the state in October of 2000.
- Authority to oversee and administer is set forth in Section 403.0885, Florida Statutes (F.S.).



NPDES Overview

DEP is responsible for:

- Promulgating rules (Tallahassee)
- Issuing permits (Tallahassee)
- Managing and reviewing permit applications (Tallahassee)
- Compliance and enforcement activities (District Office)



Multi-Sector Generic Permit (MSGP)

Who needs an MSGP?

- Facilities which conduct one or more regulated “industrial activities” as defined in 40 CFR 122.26(b)(14)
 - Regulated industrial activities divided up into **sectors**, and
 - Discharge stormwater associated with those regulated “industrial activities” to surface waters of the State or to an Municipal separate stormwater system (MS4)



Regulated Industrial Activities

- ◆ Sector A: Timber Products
- ◆ Sector B: Paper Products Manufacturing
- ◆ Sector C: Chemical Manufacturing
- ◆ Sector D: Asphalt Paving
- ◆ Sector E: Glass, Clay, Cement, Man.
- ◆ Sector F: Primary Metals
- ◆ Sector G: Metal Mining
- ◆ Sector H: Coal Mines
- ◆ Sector I: Oil and Gas Extraction
- ◆ Sector J: Mineral Mining & Dressing
- ◆ Sector K: Hazardous Waste Facilities
- ◆ Sector L: Landfills
- ◆ Sector M: Auto Salvage Yards
- ◆ Sector N: Recycling Facilities
- ◆ Sector O: Power Plants (Steam)
- ◆ Sector P: Land Transportation
- ◆ Sector Q: Water Transportation
- ◆ Sector R: Ship & Boat Building
- ◆ Sector S: Air Transportation
- ◆ Sector T: Treatment Works
- ◆ Sector U: Food & Kindred Products
- ◆ Sector V: Textile Mills
- ◆ Sector W: Furniture & Fixtures
- ◆ Sector X: Printing & Publishing
- ◆ Sector Y: Plastics Manufacturing
- ◆ Sector Z: Leather Tanning & Finishing
- ◆ Sector AA: Fabricated Metal Products
- ◆ Sector AB: Transportation Equip.
- ◆ Sector AC: Electronic Goods
- ◆ Sector AD: Additional Activities



Multi Sector Generic Permit

- Evaluate site for no exposure.
- Develop a Stormwater Pollution Prevention Plan (SWPPP). Update SWPPP as necessary.
- Implement proper best management practices (BMPs).
- Submit Notice of Intent (NOI) and fee timely.
- Inspect site and conduct monitoring.
- Meet water quality standards.





No Exposure Certification (NEX)

- Available for industrial facilities whose processes and materials are not exposed to stormwater or stormwater contact.
- Applicable to all categories.
- Information can be found at:
 - <http://www.dep.state.fl.us/water/stormwater/nudes/industrial3.htm>



Development of a SWPPP

- DEP/EPA Guidance on Development of SWPPP:
http://www.dep.state.fl.us/water/stormwater/npdes/guidance_links.htm
- Update routinely.
- SWPPP requirements are located in the fact sheet and permit language sections.
- Sample SWPPP Template for Marinas
http://www.dep.state.fl.us/cleanmarina/files/Sample_Stormwater_P2_Plan.pdf



Implementing BMP's

- Sector Q – Table Q-1 Industrial Activities, Pollutant Sources and Pollutants
 - Provides the activity of concern, where the pollutant would come from, and description of pollutant associated with activity.

Industrial Activity	Pollutant Source	Pollutant
Pressure Washing	Wash Water	Paint solids, heavy metals, TSS

- Table Q-3 – Industrial Activities and Potential Best Management Practices (BMPs)

Industrial Activity	BMPs
Pressure Washing	Collect discharge water and remove all visible solids before discharging to a sewer system, or where permitted, to a drainage system, or receiving water. Etc...



Implementing BMP's

Sector Q/R Industrial Activities

- Pressure washing
- Surface preparation, paint removal, sanding
- Painting
- Drydock maintenance
- Drydocking/drydock activities
- Non-dry dock containment
- Engine maintenance and repairs
- Material handling: bulk liquid storage and containment
- Material handling: containerized material storage
- Designated material mixing areas
- Shipboard processes: improperly discharged to storm sewer or into receiving water
- Bilge and ballast water



Applying For Your Permit

- DEP Portal: <http://www.fldepportal.com/go/>
 - Applicants will fill in their information, get a PIN number, and pay the application fee.
 - Plan ahead if new to the DEP Portal.
- Paper applications can be found at:
<http://www.dep.state.fl.us/water/stormwater/npdes/forms/MSGP-NOI.pdf>
- Submit the completed application and fee to:
<http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>
- An acknowledgement letter will be issued once complete application and fee are received/processed.
- Fee for permit coverage for an MSGP permit is \$500 and is good for five years.
- Fee for coverage for an NEX facility is \$200 and is valid for five years.



Monitoring

Sector Q- marinas

- Analytical monitoring requirements:
 - Aluminum, iron, lead, and zinc
 - Benchmark levels
 - 2nd and 4th year of permit cycle sampling requirements
 - 4th year sampling can be conditional
 - Reporting requirements
 - Sample type
 - Representative discharge
- Quarterly visual monitoring
 - Observations outlined in permit
 - Taken out outfall locations
- Even if no qualifying events monitoring is still required.

Sector R- ship/boat building

- No analytical monitoring required.
- Quarterly visual monitoring
 - Observations outlined in permit
 - Taken out outfall locations
- Even if no qualifying events monitoring is still required.



Other Requirements

- Conduct monthly inspections.
- Annual employee training.
- Document spills and/or other discharges.
- Identify non-stormwater discharges.
 - Example: routine washing activities.
 - Closed loop recycle systems.
- Comprehensive site compliance evaluation annually.



Contact Information

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Compliance Inspections

- Permit Active
- SWPPP on Hand, Complete, and Implemented
- BMPs on Hand, Complete, and Implemented
- Analytical and Compliance Monitoring Requirements
- Facility Site Review
- Condition of Receiving Waters



Compliance Inspections

Company Name **Stormwater Pollution Prevention Plan**

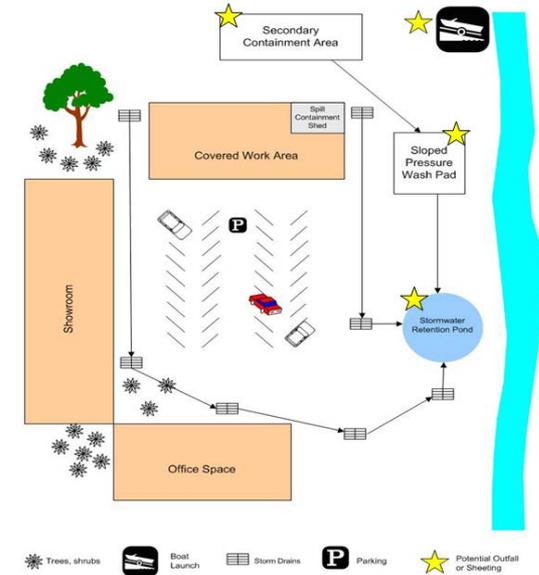
Table of Contents

Facility Information

1. **Pollution Prevention Team**
 - a. Facility Information
 - b. Member Roster
2. **Description of Potential Pollutant Sources**
 - a. Site map of drainage (table)
 - b. Inventory of exposed materials (table)
 - c. Spills and leaks (table)
 - d. Sampling Date (table)
 - e. Risk Identification and Summary of potential pollutant source
3. **Measures and Controls**
 - a. **Good Housekeeping**
 - (1) Pressure washing area
 - (2) Blasting and Painting
 - (3) Material Storage Areas
 - (4) Engine Maintenance and Repair
 - (5) Material Handling Areas
 - (6) Drydock activities
 - (7) General Yard Area
 - b. Preventive Maintenance
 - c. **Spill Prevention and Response Procedures**
 - (1) Spill Prevention & Response Procedures Temp
 - (2) If Spill Occurs
 - (3) Important Phone Numbers
 - d. Inspections
 - e. Employee Training
 - f. Record Keeping and Internal Reporting Procedures
 - g. Non-Stormwater Discharges
 - h. Sediment and Erosion Control
 - i. Management and Runoff
4. **Comprehensive Site Compliance Evaluation**
5. **Monitoring and Reporting Requirements**
 - a. Analytical Monitoring Requirements
 - c. Reporting Requirements

1b - POLLUTION PREVENTION TEAM	
POLLUTION PREVENTION TEAM	Worksheet #2
Date:	
MEMBER ROSTER	
Leader: Title: Office Phone: Responsibilities:	
Member: Title: Office Phone: Responsibilities:	
Member: Title: Office Phone: Responsibilities:	
Member: Title: Office Phone: Responsibilities:	

FIGURE 2a - SAMPLE SITE MAP OF DRAINAGE INCLUDING PREDICTION OF THE DIRECTION OF FLOW





Compliance Inspections



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Questions?



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