



# NPDES Industrial Storm Water Permit Update

# Introduction

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- **NPDES Basics**
- **Recent History**
- **Applicability**
- **Permit Basics**
- **Permit Specifics**
- **Summary of Critical Dates**



# NPDES Basics

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- **Environmental Protection Agency (EPA) – National Pollutant Discharge Elimination System (NPDES)**
- **Controls Point Source Discharge of Pollutants into Waters of the United States**
- **South Carolina State Program**

# NPDES Basics

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- **Industrial Storm Water Program**
- **Discharges of storm water associated with regulated industrial activities (except construction)**
- **South Carolina General Permit**

# Recent History

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- **August 31, 2008 – NPDES General Permit for Industrial SW Discharges Expired**
- **May 25, 2010 – Extended Public Notice Period Ends**
- **January 1, 2011 – Expected Effective Date of Revised General Permit**

# Applicability

- **Class Three Landfills**
- **Class Two Landfills**
- **Transfer Stations**



# All Sites

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- **Prepare a Notice of Intent**
  - **DHEC Provided Form**
  - **\$75 Annual Fee**
  - **Basic Site Information**
  - **Certification Statement**
- **Prepare a Storm Water Pollution Prevention Plan**



# SWPPP Common Elements

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- **Storm Water Pollution Prevention Team**
- **Site Description, Location & Site Maps**
- **Potential Pollutant Sources**
- **Control Measures**
- **Schedules and Procedures**
- **Signature Requirements**



# SWPPP Common Elements

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- **TMDL Requirements of Receiving Water**
- **Quarterly Monitoring Until TMDL Reduction Goals Are Met for EPA Approved TMDLs**
- **Record Precipitation**
- **Routine Facility Inspections**
  - **Customized to Each Site**
  - **Record Results of Inspections and Follow-up Work to Correct Flaws**

# SWPPP Common Elements

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- **Comprehensive Annual Site Inspections**
  - **Conducted by Qualified Personnel**
  - **Participation of SWPP Team**
  - **Inspect Site Conditions**
  - **Inspect Record Keeping**
  - **Review TMDL Status**
  - **Document Findings**
  - **Document Follow-up**

# SWPPP Common Elements

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- **Quarterly Visual Sample Assessments**
- **Sampled within 30 minutes of discharge for storms > 72 hours after previous discharge event**
  - **Color**
  - **Odor**
  - **Clarity**
  - **Solids**
  - **Foam**
  - **Oil Sheen**



# SWPPP - Class Three Landfill

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- **Numeric Effluent Monitoring**
  - **Annual Grab Sample**
  - **No Substantially Similar Outfall Exemptions**
  - **First Sample within 90 days of Jan 1<sup>st</sup>**
  - **Must Achieve Compliance within 1 Year**
  - **BOD, TSS, Ammonia, Others**

# SWPPP - Class Three Landfill

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- **Numeric Effluent Monitoring Exceedances**
  - **Within 24 Hours Document Exceedance**
  - **Within 14 Days Document Corrective Actions to be Taken**
  - **Within 30 days of Implementing Corrective Actions Resample Storm Water**
  - **If Resample Fails – Continue Monitoring Quarterly and Submit Exceedance Report within 30 Days of Receiving Lab Data**

# SWPPP - Class Three Landfill

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- **Weekly Inspections**
- **Summary of Progress Towards Compliance Report**
  - **Report Must Be Prepared within 180 Days of First Monitoring Event**
  - **Must Describe Measures to Comply with Numeric Effluent Standards**
  - **Must Be Updated Until Compliance is Achieved**

# SWPPP - Class Two Landfill

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- **Benchmark Monitoring – TSS**
  - **Starting the First Calendar Quarter After Receiving the Permit**
  - **Quarterly Sampling Until Average of 4 Consecutive Quarters is Less Than the Benchmark Value**
  - **If Benchmark is Exceeded, Implement Corrective Modifications to the Site and Continue Monitoring for 4 More Quarters**

# SWPPP - Class Two Landfill

- **Weekly Inspections Customized to the Site**



# SWPPP - Transfer Station

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- **Protect Storm Water from Leaky Vehicles**
- **Minimize Contact of Storm Water in Fueling Areas**
- **Maintain Storage to Prevent Storm Water Contamination from Material Storage**



# SWPPP - Transfer Station

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- **Minimize Contamination of Storm Water from Equipment Cleaning and Maintenance Areas**
- **Train Employees Annually on:**
  - **Used Oil Management**
  - **Fueling Procedures**
  - **Battery Management**
  - **Painting Procedures**

# SWPPP - Transfer Station

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- **Permit Does Not Allow for Discharge of Vehicle Wash Water – You Must Obtain a Separate NPDES Permit or Discharge to Treatment Plant**



# Critical Dates

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- **Now**
  - **Continue Inspections, Training**
- **Within 90 Days of Effective Date**
  - **Finish Preparing SWPPP**
  - **Submit NOI**
  - **Class Three Landfills Sample for Numeric Effluent Requirements**

# Critical Dates

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- **During Second Calendar Quarter**
  - **Begin Quarterly Visual Monitoring**
  - **Class Two Landfills – Benchmark Monitoring**
- **Within 180 Days of Numeric Effluent Sampling**
  - **Class Three Landfills – Finish Initial Progress Towards Compliance Report**

# Critical Dates

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- **Within 1 Year of Permit Effective Date**
  - **Complete Comprehensive Site Inspection**
  - **Class Three Landfills – Comply with Numeric Effluent Limits**
  - **Class Two Landfills – Assess Benchmark Monitoring Results and Make Improvements or Halt Sampling**

# Questions or Comments



# Thank You!