



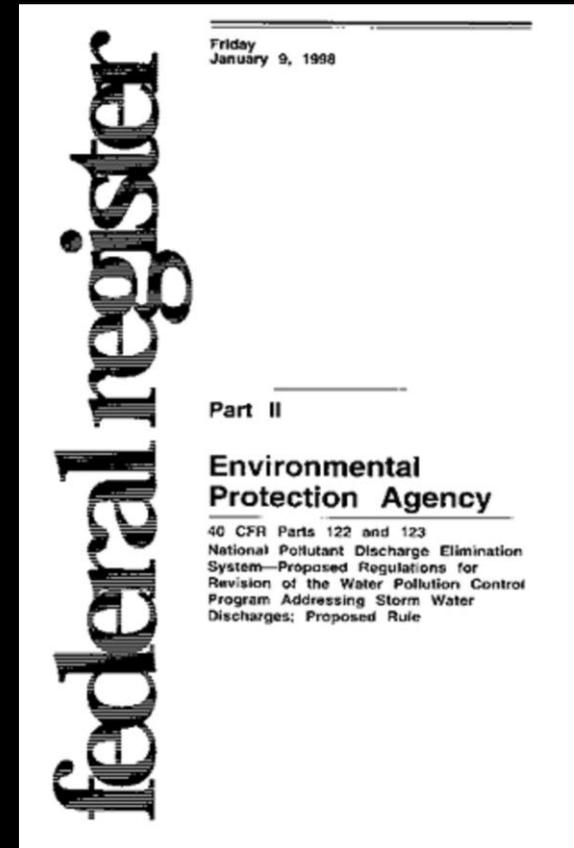
Regulatory Background & Determining if Industrial Permit Coverage is Needed

- **NPDES General History**
- **Greenville County NPDES Permit**
- **Types of Industries Needing
Industrial General Permit
Coverage**



Regulatory Background

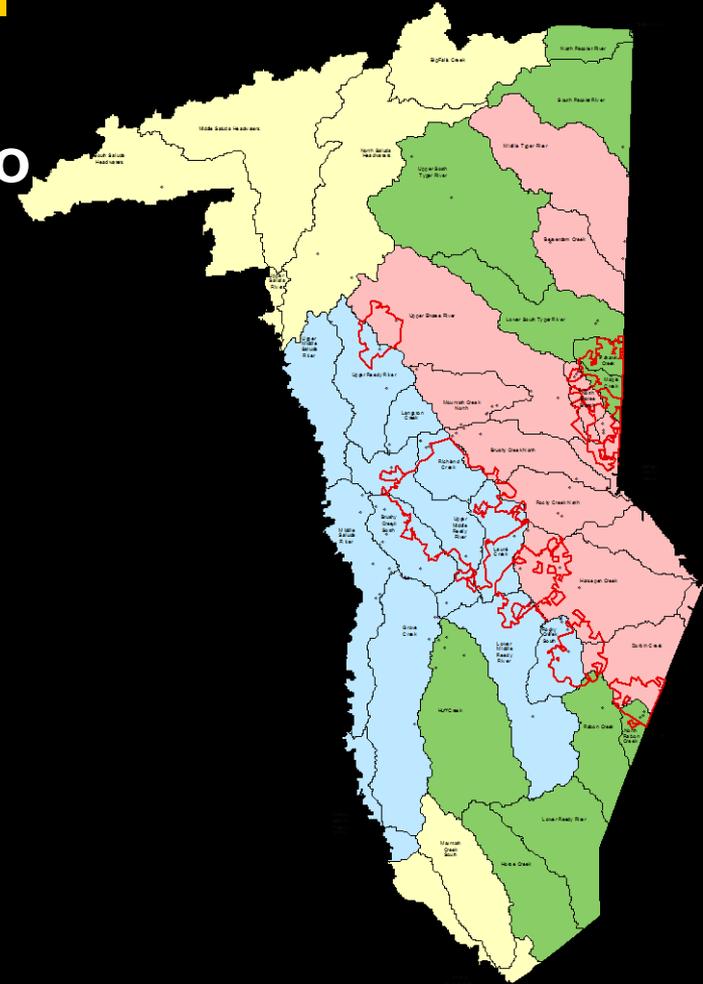
- The Clean Water Act
 - 1948 known as The Federal Water Pollution Control Act
 - Reorganized and expanded in 1972
 - Officially called Clean Water Act (CWA) after amendments in 1977
 - Amended in 1987 to include storm water
- Greenville County was listed by the USEPA as a Phase I entity in November 1990
- Greenville County is a Medium MS4 covered under an individual Storm Water permit issued by DHEC
 - One of the Permit requirements is an Industrial Runoff Program





Phase I NPDES Storm Water Program

- Developed by EPA in 1990 in response to 1987 Amendments to the CWA
- Requires NPDES permit coverage for:
 - “medium” and “large” municipal separate storm sewer systems (MS4s) located in incorporated places or counties (such as Greenville County) with populations of 100,000 or more,
 - 11 Categories of industrial activity (40 CFR 122.26 (b) (14)(i)-(xi))





South Carolina Department of Health and Environmental Control (SC DHEC)

- **Authorized by the EPA to administer the NPDES program as defined by the Clean Water Act Section 402 (b) and 40 CFR Part 123**
- **Issues, permits, and regulates storm water for Municipal Separate Storm Sewer Systems (MS4s) and Industrial Facilities**



Industrial Storm Water Program

**Who should obtain coverage under
the Industrial General Permit (IGP)
SCR000000?**





NPDES General Permit for Storm Water Discharges Associated with Industrial Activities SCR000000

- Excludes construction activity
- Referred to as the Industrial General Permit (IGP) or Multisector IGP
- What is “Storm Water Discharges Associated with Industrial Activity”
 - Per the permit it means “the discharge from any conveyance that is used for collecting and conveying storm water that is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant”
 - Definitions in Appendix A of the general permit



11 Categories of Industrial Activity per 40 CFR 122.26(b)(14) (i)-(xi)

- (i) Facilities subject to storm water effluent standards under 40 CFR subchapter N**
- (ii) Facilities classified by SIC code**
- (iii) Mineral Industry**
- (iv) Hazardous Waste**
- (v) Landfills**
- (vi) Recycling Facilities**
- (vii) Steam Electric Plants**
- (viii) Transportation**
- (ix) Treatment Works**
- (x) Construction (Excluded Under this Permit)**
- (xi) Light Industry**



Sectors of Industry Covered Under the SC DHEC IGP (SCR000000)

Sector A: Timber Products

Sector B: Paper and Allied Products

Sector C: Chemicals and Allied Products

**Sector D: Asphalt Paving and Roofing Materials and
Lubricants**

**Sector E: Glass, Clay, Cement, Concrete, and Gypsum
Products**

Sector F: Primary Metals

Sector G: Metal Mining (Ore Mining and Dressing)

**Sector H: [Reserved] Coal Mines and Coal Mining Related
Facilities**

Sector I: [Reserved] Oil and Gas Extraction and Refining



Sectors of Industry Covered Under the SC DHEC IGP (SCR000000)

Sector J: [Reserved] Mineral Mining and Dressing

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

Sector L: Landfills, Land Application Sites, Open Dumps

Sector M: Automobile Salvage Yards

Sector N: Scrap Recycling Facilities

Sector O: Steam Electric Generating Facilities

Sector P: Land Transportation and Warehousing

Sector Q: Water Transportation

Sector R: Ship and Boat Building and Repairing Yards



Sectors of Industry Covered Under the SC DHEC IGP (SCR000000)

Sector S: Air Transportation Facilities

Sector T: Treatment Works

Sector U: Food and Kindred Products

**Sector V: Textile Mills, Apparel, and other Fabric
Product Manufacturing; Leather and Leather
Products**

Sector W: Furniture and Fixtures

Sector X: Printing and Publishing

**Sector Y: Rubber, Miscellaneous Plastic Products, and
Miscellaneous Manufacturing Industries**

Sector Z: Leather Tanning and Finishing



Sectors of Industry Covered Under the SC DHEC IGP (SCR000000)

Sector AA: Fabricated Metal Products

Sector AB: Transportation Equipment, Industrial or Commercial Machinery

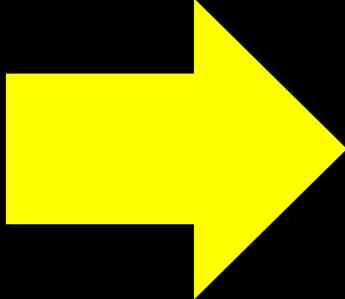
Sector AC: Electronic, Electrical, Photographic, and Optical Goods

Sector AD: Non-Classified Facilities *

*** Other storm water discharges designated by the Director as needing a permit (see 40 CFR 122.26 (a)(9)(i)(C) & (D)) or any facility discharging storm water associated with industrial activity not described by any of Sectors A-AC.**



I think I need to be covered. Now what do I do?

- **Industrial General Permit**
 - **Determine your SIC code and IGP sector**
 - **NOI**
 - **SWPPP**
- 
- Required before
any industrial
activity takes place**



How do I determine what sector my facility would fall under?

- Need to know your Standard Industrial Classification (SIC)
- Sectors are groupings of SIC codes that have similar requirements
- Use OSHA's website to look up SIC codes:
<https://www.osha.gov/pls/imis/sicsearch.html>



Get started before the inspectors show up!



- General and individual NPDES industrial storm water permits, are available to operators of industrial facilities.



Permitting Process

- The SC DHEC has issued a general permit for use in permitting industrial facilities.
- Some facilities have individual permits, but most of these were issued prior to the Phase I Storm Water Regulations and are no longer valid.
- On a case-by-case basis, individual permits may be required in lieu of granting general permit coverage due to water quality issues.



NPDES Industrial General Permit

- **Issued September 1, 2016, effective October 1, 2016**
- **Expires September 30, 2021**
- **Permit No: SCR000000**
- **Issued in accordance with the provisions of the Pollution Control Act (S.C. Code Sections 48-1-10 et seq., 1976**
- **And provisions of the Federal Clean Water Act (PL 92-500), as amended, 33 U.S.C. 1251 et seq., the “CWA”**



Industrial General Permit

- **Covers all new and existing point source discharges of storm water associated with industrial activity to waters of South Carolina - a NOI is required. Some exceptions - see the permit for specifics.**
- **Does not authorize storm water discharges associated with industrial activity that are:**
 - **mixed with non-storm water (some exceptions-see IGP Part 1.1.3)**
 - **subject to an existing effluent limitation guideline addressing storm water (some exceptions see IGP Table 1-1)**
 - **subject to existing NPDES individual or general permit; at a facility where an NPDES permit has been terminated or denied - unless specifically granted in writing by SCDHEC**



How do I get covered?

- Submit a Notice of Intent (NOI), along with the \$75 annual fee to:

SC Dept. of Health & Environmental Control
Water Facilities Permitting
2600 Bull Street
Columbia, SC 29201

- For More information see the SCDHEC Industrial Website:

<http://www.scdhec.gov/environment/WaterQuality/Stormwater/ConstructionActivities/IndustrialActivities/>

- NOI & SWPPP are Required Before Industrial Discharge is Allowed



Greenville County NPDES Phase I Storm Water MS4 Permit

SCDHEC NOI Form

Notice of Intent (NOI) for Stormwater Discharges Associated with Industrial Activities (Except Construction)
NPDES General Permit SCR000000

Submission of this Notice of Intent constitutes notice that the party identified in Section A of this form intends to be authorized by a NPDES permit issued for storm water discharges associated with industrial activity in a State location identified in Section B of this form. Becoming a permittee obligates such a discharge to comply with the terms and conditions of the permit. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM. AN ANNUAL FEE OF \$75 IS REQUIRED FOR COVERAGE UNDER THIS PERMIT.

Date: ____/____/____

A. Facility Operator Information

- Name: _____
- Company EIN: _____ Phone: _____ Fax: _____
- Mailing Address: _____
City: _____ State: _____ Zip: _____
- Facility Contact: _____ Phone: _____ Ext. _____
- Facility Contact Email address: _____
- Facility Billing Address (If different from Mailing address): _____
City: _____ State: _____ Zip: _____

B. Facility Information

- Facility Name: _____
- Are stormwater discharges from your facility covered under the Industrial Stormwater General Permit? Yes No
If yes, provide your coverage number: _____ SCR00 _____
- Facility Location: _____
 - Street: _____
 - City: _____
 - County: _____ Zip Code: _____
 - Latitude: _____° _____' _____" N Longitude: _____° _____' _____" W
 - Lat/Long Data Source: USGS topographic map GPS website: _____
 - Estimated area of industrial activity at your site exposed to stormwater: _____ (acres)
 - Is this a Federal facility? Yes No
 - Is this facility located on Indian lands? Yes No If yes, name: _____

C. Discharge Information

- Does your facility discharge stormwater to a permitted Municipal Separate Storm Sewer System (MS4)? Yes No
If yes, name of MS4 operator: _____
- Does your facility have stormwater discharges that are mixed with non-stormwater discharges covered under another NPDES permit? Yes No If yes, provide permit number(s): _____
- Receiving Waters (if additional space is needed for this question, fill out Attachment 1)

a. What are the names of your receiving waters that receive stormwater from your facility and/or through an MS4?	b. Distance to receiving waters	c. Classification of receiving waters
- Impaired waters found on the most current 303(d) List of Impaired Waters (use the table below for only those waters found on the most current 303(d) List of Impaired Waters – if additional space is needed for this question, fill out Attachment 1)

a. Name of Impaired Water (303(d) Listed)	b. Name of Impaired Water Quality Monitoring Stations (WQMS) that receives stormwater from your facility and/or through an MS4?	c. What pollutants are causing the impairment?	d. Are the pollutants causing the impairment present in your discharge?
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

DHEC 2611 (01/2011)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

5. Impaired waters with an EPA approved or established TMDL (use the table below for only those waters covered under an EPA approved or established TMDL – if additional space is needed for this question, fill out Attachment 1)

a. Name of Impaired Water covered by an EPA approved or established TMDL	b. Name of Impaired Water Quality Monitoring Stations (WQMS) that receive stormwater from your facility and/or through an MS4?	c. What pollutants are listed in the TMDLs for this waterbody?	d. Are the pollutants causing the impairment present in your discharge?
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

6. Effluent Limitation Guidelines and Sector-Specific Requirements

a. Is this facility subject to the effluent limitation guidelines found in SCR000000? Yes No

b. If yes, identify in the table below which effluent limitation guidelines apply to your stormwater discharges?

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

7. If you are a Sector S (Air Transportation) facility, do you anticipate using more than 100,000 gallons of glycol-based deicing/ anti-icing chemicals and/or 100 tons or more of urea on an average annual basis? Yes No N/A

8. Identify the applicable SIC Code(s), Sector(s) and Subsector(s) of industrial activity, including co-located industrial activity, for which you are requesting permit coverage. List your facility's primary SIC Code in Line a:

a. SIC Code: _____ Sector _____ Subsector _____	b. SIC Code: _____ Sector _____ Subsector _____
c. SIC Code: _____ Sector _____ Subsector _____	d. SIC Code: _____ Sector _____ Subsector _____
e. SIC Code: _____ Sector _____ Subsector _____	f. SIC Code: _____ Sector _____ Subsector _____

D. NOI Preparer

- Prepared by: _____ Company: _____
- Mailing Address: _____
- City: _____ State: _____ Zip: _____
- Phone: _____ Ext. _____ E-mail: _____

E. Certifier Name and Title

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 (See Section 122.22 of S.C. Reg. 61-9 for signatory authority information.)

Printed Name: _____ Title: _____
Signature: _____ Date: _____

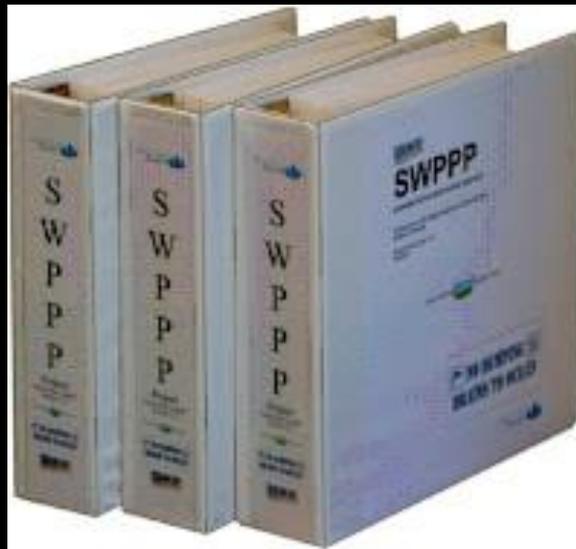
Check here if you wish to make payment with a credit card. The Department will contact you to obtain the credit card's information.

DHEC 2611 (01/2011)



NOI

- By filing a NOI, the applicant is certifying that they have prepared a Storm Water Pollution Prevention Plan (SWPPP or SP3) in accordance with the requirements of the General Permit and that the actions required by the SWPPP will be implemented.



<http://stormwaterthoughts.blogspot.com/2010/02/new-npdes-permitswppps-inspection.html>



Filing a NOI is Only the First Step

- Must have a fully developed SWPPP
- Must follow all non-sector and sector specific requirements, including:
 - Perform inspections – quarterly and annual comprehensive as required by the IGP
 - Sampling of discharges to 303d or TMDL waters
 - Visual assessments of storm water discharge
 - Other sector specific requirements



<http://knowyourmeme.com/memes/inspector-gadget-theme-parodies>



<http://www.envsamp.com/index.php/services>



Industrial Program

- For more information review Industrial Permit information available on SCDHEC and/or EPA's websites
- Contact SCDHEC directly with IGP questions
- Review Industrial Training provided by the Greenville County Land Development Division (LDD) at:
<https://www.greenvillecounty.org/LandDevelopment/Industrial.aspx>