

# State Pollutant Discharge Elimination System (SPDES) Permit

SPDES Permit Updates  
January 2017

## **New York State law requires a permit for:**

- Constructing or using an outlet or discharge pipe (referred to as a "point source") that discharges wastewater into the surface waters or ground waters of the state
- Constructing or operating a disposal system such as a sewage treatment plant
- Modifying, transferring and renewing an existing permit

# Wastewater/Stormwater Discharge Permits

## Individual Wastewater Permit

- cover a single facility in one location that is unique with respect to discharge characteristics and other factors.

## General Wastewater or Stormwater Discharge Permit

- cover discharges that involve similar types of operations, pollutants, require similar effluent limits and operating conditions, require similar monitoring, and typically have less significant impact on the environment when in compliance with permit provisions.

## Individual Wastewater Permits

- Industrial-discharges of waste resulting from any process of industry, manufacturing, trade, or business
- Municipal-discharge of residential sewage, treated by a publicly owned treatment works (POTW) owned by a municipality.
- Private, Commercial or Institutional (P/C/I) wastewater generated by a single facility or building complex under single ownership and may or may not be publicly owned.

## 6 NYCRR Part 750 – Individual SPDES Permits

- Subpart 750-1. Obtaining a SPDES Permit and POSS (Publicly Owned Sewer System) Registration
- Subpart 750-2. Operating in Accordance with a SPDES Permit and POSS Registration
- Updated December 14, 2016 to include SPRTK (Sewage Pollution Right to Know) Law Requirements

# Sewage Pollution Right to Know Law

- Enacted in 2013
- Reporting of sewage spills by POTWs
- Reporting of sewage spills by Collection System Owner
- Reporting within 2 hours of event
- Reported to NY-Alert for public info & press releases

## Individual SPDES Permit Required

- 1,000 gallons per day or more to groundwater of sewage-wastewater containing no industrial or other non-sewage wastes.
- Any amount of wastewater discharged to surface water

## Exempt Activity

- design flow of total discharges to ground water of less than 1,000 gallons per day of sewage-wastewater containing no industrial or other non-sewage wastes.
- may require approval from the appropriate state or county health department
- may require other DEC permits or approvals from other agencies.



## Wastewater General Permits

- SPDES General Permit GP-0-15-001 discharges to groundwater of 1,000 gallons per day (gpd) or more, and less than 10,000 gpd per outfall of treated sanitary sewage without the admixture of industrial wastes from on-site wastewater treatment systems serving private, commercial and institutional (P/C/I) facilities.
- Vessels General Permit - required for most vessels greater than 79 feet in length that operate in US waters.

# Stormwater General Permits

- Construction Activity Permit- required for **construction activities** that disturb one or more acres of soil and for construction projects. (GP-0-15-002)
- Concentration Animal Feeding Operation (CAFO) Permit -required for large or medium **animal feeding** operations. General Permit GP-0-16-001 is a general permit issued pursuant to the Environmental Conservation Law for CAFO operations.
- Multi-Sector General Permit (MSGP) -required for **industrial activities** (descriptions of activities are listed in Appendix B in the MSGP (GP-0-12-001)) that discharge stormwater to waterbodies.

# Stormwater General Permits

- Municipal Separate Stormwater Sewer System (MS4) Permit -required for **urbanized areas** defined by the US Census Bureau (communities are notified by DEC if they are designated) to manage stormwater to reduce the amount of pollutants reaching waterbodies. (GP-0-15-003).
- Pesticides General Permit GP-0-16-005 coverage is specifically required for point source discharges by operators from the application to, in, or over surface waters of the State for any New York State registered pesticide that is labeled for aquatic uses (as defined in the PGP).

## Renewing a SPDES Permit

- Submit a complete renewal application at least 180 days prior to the permit's expiration date
- Surface water discharges issued for up to five years
- Ground water discharges are issued for up to ten years

## Discharge Monitoring Reports

- Monthly report describing a facility's effluent monitoring data for surface water discharges
- Required to be submitted to DEC under SPDES Permit
- Preprinted DMRs mailed to facility monthly
- Due by the 28th day after a monitoring period ends

# Discharge Monitoring Report

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

NAME: EXAMPLE INDUSTRIES LLC **1**  
 ADDRESS: NEIGHBORHOOD CREEK RD **3**  
 OUR TOWN, NY 11111  
 FACILITY: PRODUCTS TRANSPORTATION **2**  
 LOCATION: 111 INDUSTRIAL DR **2**  
 FACTORY TOWN, NY 11110

NYR00Z100 **3** 001-A **4**  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 MM/DD/YYYY MM/DD/YYYY **5**  
 FROM 01/01/2012 TO 12/31/2012

DMR Mailing ZIP CODE: 11111  
 MINOR (SUBR 00)  
 STORMWATER RUNOFF - BENCHMARK MONI  
 External Outfall

**11** No Discharge

<b>6</b> PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	<b>7</b>	<b>8</b>	Annual	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	SI			
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	Annual	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	100	DAILY MX	mg/L		
Iron, total recoverable 00980 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	Annual	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	1	DAILY MX	mg/L		

SAMPLE DMR

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 also agree that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	<b>14</b>	TELEPHONE	DATE
<b>13</b>		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	<b>15</b>	<b>16</b>
TYPED OR PRINTED			AREA CODE NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 Concrete and Gypsum Product Manufacturers (SIC 3271-3275)

**12**

## NetDMR (E-Reporting)

- Allows wastewater treatment facilities staff to electronically sign and submit their DMRs directly to the EPA and DEC using a web-based tool.
- Reduces the reporting burden on the regulated community; improve data quality; and provide significant cost savings to permittees, EPA and DEC.
- Complies with EPA's Electronic Reporting Rule for all facilities to electronically submit DMRs by December 21, 2016


# Training for Wastewater Treatment Operators

- New York Water Environment Association (NYWEA) is sponsoring training sessions, titled *Sewage Pollution Right to Know (SPRTK)*, *Electronic DMRs and State Pollutant Discharge Elimination System (SPDES) Compliance and Enforcement*.
- EPA is providing NetDMR webinar training sessions on a monthly basis for permittees and data providers. Training includes: how to create an account, manage access, enter DMR data, sign DMRs and import data.



## Deadline for NetDMR

- Paper copies will no longer be mailed out after March 2017 DMR reporting period
- Notification being sent to permit holders reminding them to sign up with NetDMR



# Pesticides General Permit

## GP-0-16-005

## Pesticide General Permit

- Authorizes point source discharges to, in or over surface waters of New York State
- Applies to application of New York State registered pesticides labeled for aquatic uses in accordance with Environmental Conservation Law and the Clean Water Act.
- Effective from November 9, 2016 to October 31, 2021

## Obtaining coverage under a General Permit


1. Applicant must submit a notice of intent (NOI)
2. Comply with the terms of the general permit

## Terms of PGP General Permit

1. minimizing discharges
2. preparing a Pesticide Discharge Management Plan (PDMP);
3. conducting visual monitoring and assessments
4. implementing corrective measures and incident reporting requirements
5. maintaining key records
6. complying with standard permit conditions

## Pesticides Permit Revisions

- Incorporated changes necessary to address revisions to the 2016 NPDES Pesticides General Permit (EPA)
- Clarified that the operator must control discharges to meet water quality standards
- Incorporated the most recent list of impaired waters
- Authorized submission of NOIs electronically and setting separate coverage dates for electronic versus paper submissions of 5 and 20 business days from receipt, respectively
- Revised the content requirements for PDMPs




**CAFO ECL General Permit  
GP-0-16-001**

## CAFO ECL General Permit

- Authorizes point source discharges to, in or over surface waters of New York State
- Applies to CAFOs that do not discharge stormwater from their production area in accordance with Environmental Conservation Law and the Clean Water Act.
- Effective from July 24, 2017 to July 23, 2022 to





# Multi-Sector General Permit

## GP-0-12-001

## Multi-Sector General Permit

- Authorizes point source discharges to, in or over surface waters of New York State
- Applies to discharges of stormwater from industrial activity in accordance with Environmental Conservation Law and the Clean Water Act.
- Effective from October 1, 2012 to September 30, 2017
- Renewal process to start in the spring of 2017



# MS4 General Permit

GP-0-15-003

GP-0-17-002

## MS4 General Permit

- Municipal Separate Storm Sewer Systems (MS4) permit covers new and existing discharges of stormwater discharges from small MS4s as defined in 40 CFR 122.26(b)(16).
- Permit issued on May 1, 2015 and expires on April 30, 2017
- DEC has extended the comment period for the draft permit (GP-0-17-002) to February 3, 2017.

## Traditional and Non-traditional MS4s

- Must implement program to Maximum Extent Possible
- Prepare and implement a written Stormwater Management Program (SWMP)
- Designate a SWMP coordinator to oversee the program
- Develop and maintain a system map and written enforcement response plan
- Ensure it has the legal authority needed to implement and enforce the SWMP
- Submit an annual compliance evaluation report which includes trending and analysis to adjust program goals

# Stormwater Management Program (SWMP)

The SWMP must include six enhanced minimum control measures (MCMs):

1. public education and outreach program
2. public involvement/participation program
3. illicit discharge detection and elimination (IDDE)
4. construction site stormwater runoff control
5. post construction site management plans (SMPs)
6. pollution prevention and good housekeeping for municipal operations and facilities.


## Impaired Water Bodies

- Requires permittees that discharge to impaired waters to comply with additional requirements, depending on whether the waterbody is subject to an approved total maximum daily load (TMDL). The precise measures required depend on the nature of the impairment.
- Requires implementation of BMPs and applicable retrofit plans targeting reducing pollutants of concern causing the impairment
- Corrected errors in Interactive mapper – Watershed Improvement Strategy Layer

## Fertilizer Law – Phosphorous Use Reduction

- Prohibits the application of lawn fertilizer between December 1 and April 1<sup>st</sup>
- Prohibits phosphorus in the product unless establishing a new lawn or testing shows low phosphorous
- Sweep up product on sidewalks and driveways
- Apply at least 20 feet from a water body with no buffer
- Apply at least 10 feet from a water body with 10' buffer
- Apply at least 3 feet from a water body using a device with a spreader guard, deflector or drop spreader





Construction Activity  
General Permit  
GP-0-15-002

## Construction Activity General Permit

- Applies to an owner or operator of a construction project that will involve soil disturbance of one or more acres must obtain coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity
- Effective January 29, 2015 and expires February 1, 2020
- Modified November 26, 2016 (Effective 2/1/2017)

## Construction Activity Permit Modification

- Requires the use of the recently updated (November 2016) New York State Standards and Specifications for Erosion and Sediment Control (Blue Book) for the selection, design, installation, implementation and maintenance of erosion and sediment controls
- Permit modification is dated November 26, 2016, but the requirement to use the updated Blue Book will not be effective until February 1, 2017 to provide a transition period for projects currently under design

# **New York State Standard and Specifications for Erosion and Sediment Control (Blue Book)**

- Provides minimum standards and specifications for meeting DEC's criteria for stormwater discharges associated with construction activity.
- Provides criteria on minimizing erosion and sediment impacts from construction activity involving soil disturbance.
- Changes made in the Blue Book reflect advancements in technology and comments from stakeholders who use the document

# Blue Book 2016

FINAL

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**New York State  
Standards and Specifications  
for Erosion and Sediment Control**

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November 2016

# Table of Contents – 2016 Blue Book

- Cover, Preface, Contents, Acknowledgements
- Section 1 - Introduction
- Section 2 - Resource Planning
- Section 3 - Erosion Control Part 1 Runoff Control
- Section 4 - Erosion Control Part 2 Soil Stabilization
- Section 5 – Sediment Control

# 2005 vs. 2016 Blue Book

## Table of Contents 2005

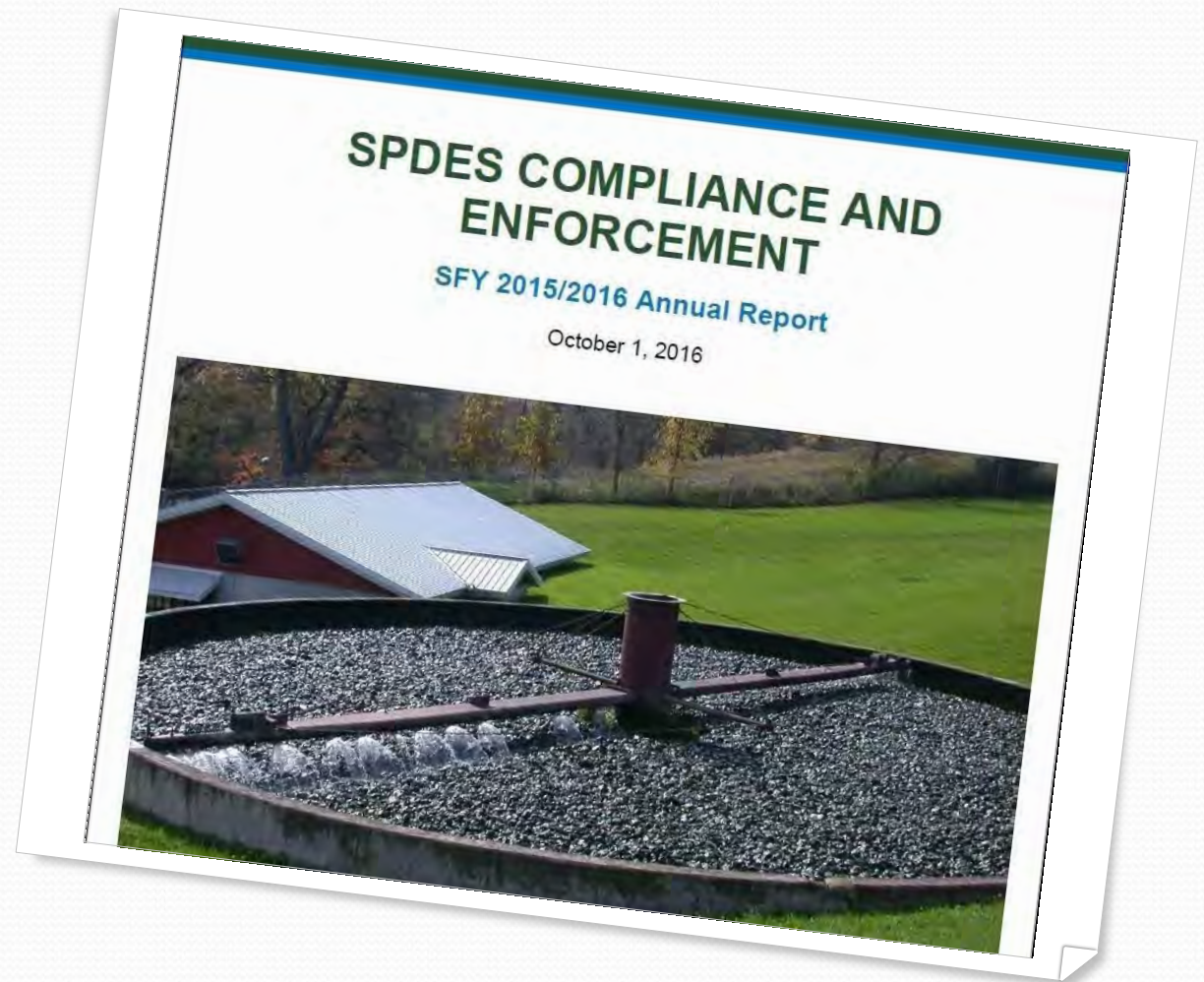
- INTRODUCTION
- EROSION CONTROL PLANNING AND SITE MANAGEMENT
- VEGETATIVE MEASURES FOR EROSION AND SEDIMENT CONTROL
- BIOTECHNICAL MEASURES FOR EROSION AND SEDIMENT CONTROL
- STRUCTURAL MEASURES FOR EROSION AND SEDIMENT CONTROL
- STRUCTURAL MEASURES – TEMPORARY
- STRUCTURAL MEASURES – PERMANENT

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- Erosion Control Part 2 Soil Stabilization
- Sediment Control

***SPDES  
Compliance and  
Enforcement  
Annual Report  
for 2015-2016***

The Division of Water has released its 2015 annual report for the period April 1, 2015 through March 31, 2016.





## How do I get a copy of the annual report?

- PDFs of the 2015-2016 report, as well as seven previous annual reports, are available on the [DEC SPDES Compliance & Enforcement webpage](#).
- Links to the reports are in the “Important Links” section of the right-hand column of that page.

# Questions

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# Net-DMR Training Websites

- <https://netdmr.zendesk.com/hc/en-us/articles/214226346-Training-Schedules>
- [\*nywea.org/training/calendar.cfm\*](http://nywea.org/training/calendar.cfm)