

Municipal Separate Storm Sewer (MS4) Tier A Permit Requirements

MUNICIPAL CLERKS' ASSOCIATION NJ - 2024 CONFERENCE

Thomas R. Decker, PE, PP, CME
Van Cleef Engineering Associates, LLC

MS4 Training Outline

- MS4 Permit – The Basics
- Permit Requirements
 - Implementation Deadlines
 - Stormwater Pollution Prevention Plan (SPPP)
 - Rules and Regulations
 - Street Sweeping
 - Storm Drains
 - DPW Community-Wide Measures
 - MS4 Mapping
 - Watershed Improvement Plan (WIP)
- Questions



MS4 Permit – The Basics

MS4 – Municipal Separate Storm Sewer System

- What is the MS4 system?
 - All municipally-operated pipes, structures and facilities that convey stormwater runoff following a rain event.
 - Separate from the sanitary sewer system.
- What is the Tier A MS4 Permit?
 - General permit issued by NJDEP on a 5-year cycle.
 - Outlines regulations, standards and requirements to ensure the MS4 system is properly maintained and in good condition.
 - Most recently renewed in January 2023.
- Who oversees the permit requirements?
 - Each individual municipality is responsible for enforcing its permit.
 - The municipal Stormwater Program Coordinator (SPC) oversees the program.

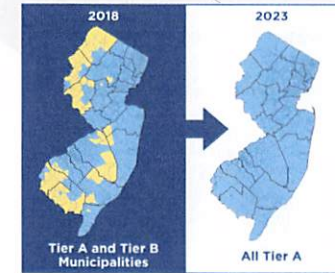


Photo credit: US EPA Introduction to Clean Water Act Watershed Academy

MS4 Permit – The Basics

Tier A vs. Tier B

- All municipalities in the state are now classified as Tier A
- Former Tier As have new standards
- Former Tier Bs have even more new compliance milestones
- Different initial compliance dates depending on whether the municipality is a former Tier B vs. existing Tier A



Permit Requirements – Deadlines

Compliance Item	Existing Tier A	Former Tier B
Stormwater Pollution Prevention Plan (SPPP)	July 1, 2023	January 1, 2024
Stormwater Webpage	April 1, 2023	January 1, 2024
New Street Sweeping Requirements	January 1, 2026	January 1, 2026
Storm Drain Inlet Retrofitting	December 1, 2027	December 1, 2027
Best Management Practices at Municipal Yards	Already in effect	January 1, 2024
Permanent Salt Storage Facility	Already in effect	January 1, 2026
Annual Employee MS4 Training	At EDPA	January 1, 2024
Municipal Board and Governing Body Training	Already in effect	July 1, 2023

Permit Requirements – Deadlines

	Existing Tier A	Former Tier B
Community-Wide Ordinances	May 1, 2024	May 1, 2024
MS4 Infrastructure Map	January 1, 2026	January 1, 2026
Watershed Improvement Plan Phase 1	January 1, 2026	January 1, 2026
Watershed Improvement Plan Phase 2	January 1, 2027	January 1, 2027
Watershed Improvement Plan Phase 3	December 1, 2027	December 1, 2027

Permit Requirements – SPPP

Stormwater Pollution Prevention Plan – SPPP

- Purpose
 - Lists activities undertaken to prevent pollutants from entering the MS4.
 - Identifies municipal maintenance yard measures to prevent pollution.
 - Lists municipal rules and regulations for stormwater management and pollution prevention.
- Updated in 2023 for renewed permit cycle
 - Also updated as needed, perhaps annually
- Posted on the Township's Stormwater Website

Permit Requirements – Rules and Regulations

Community Wide Ordinances

- Minimum standards for pollution prevention
- Must be adopted by May 1, 2024
- Model ordinances available online
<https://dep.nj.gov/njdes-stormwater/municipal-stormwater-regulation-program/example-ordinances/>

Pet Waste
Wildlife Feeding
Litter Control
Improper Disposal of Waste
Yard Waste
Private Storm Drain Inlet Retrofitting
Illicit Connections
Refuse Containers/Dumpsters (optional)
Privately-Owned Salt Storage
Tree Removal and Replacement

Permit Requirements – Rules and Regulations

Stormwater Management Rule – N.J.A.C. 7:8

- Regulates design standards and requirements for Major Development

- Green infrastructure, rainfall intensities, design methodology, etc.
- Major Development

- Rule was revised in July 2023

- Updated precipitation models to adjust for increased rainfall totals and intensities

- Township must amend its Stormwater Control Ordinance by July 18, 2024

MAJOR DEVELOPMENT

A. Any substantial development, as well as multiple developments that collectively or collectively result in:

- (1) The disturbance of one or more acres of land since February 2, 2010;
- (2) The creation of six acres or more of impervious surface since February 2, 2010;
- (3) The creation of six acres or more of impervious surface within a watershed since March 2, 2010; or
- (4) A combination of (1) and (2) above that totals an acre of impervious cover. The same surface shall not be counted twice when determining if the threshold is met.

B. Major development includes all developments that are part of a cumulative plan of development or site that exceeds the maximum allowed development that collectively or collectively meet any one of items of conditions (1), (2), (3) or (4) above. Projects undertaken by any governmental agency that otherwise meet the definition of "major development" but which do not require approval under the Municipal Land Use Law, N.J.A.C. 17:27 or any other applicable "minor development."

Permit Requirements – Rules and Regulations

Stormwater Management Rule – N.J.A.C. 7:8

- Post-Construction Stormwater Management

- Township responsibilities:

- Proposed Major Development plans must be in compliance with N.J.A.C. 7:8 and RSIS.
- A project's Review Engineer must not be the same person as the Design Engineer.
- Ensure construction is in accordance with approved development plans.
- Ensure stormwater maintenance and operation plans are enacted.



Planning / Zoning Board Review



Construction Inspection



Long-Term Enforcement

Permit Requirements – Street Sweeping

Previous Standards

- Once per month sweeping for municipally-owned roads with all of the following:
 - Curbed and has storm drains
 - Speed limit is 35 mph or less
 - Not an entrance or exit ramp
 - In a predominantly commercial area

Revised Standards

- Triannual sweeping (once every 4 months) for municipally-owned roads with both of the following:
 - Concrete or asphalt surface
 - Storm drains that discharge to surface water
 - Annual sweeping for all other municipally-owned roads
- Implemented on or before January 1, 2026

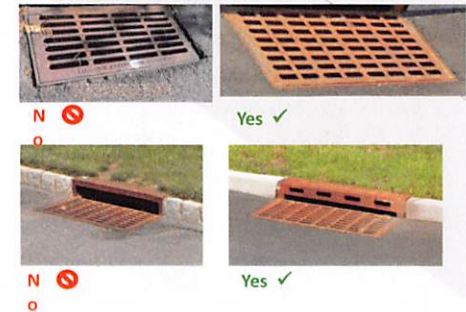
Permit Requirements – Storm Drains

Requirement

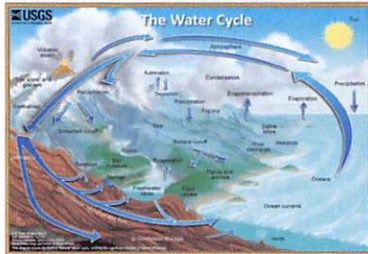
- Retrofit or replace all municipally-owned storm drain inlets that do not meet current design standards.

Design Standards

- Bicycle safe grates
 - Inlet openings to prevent trash and floatables from entering the storm sewer
- Implemented on or before December 1, 2027



Questions?



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17



Thank You.

Thomas Decker, PE, PP, CME
tdecker@vancleefengineering.com
www.vancleefengineering.com

18