

ANJEC's Environmental Congress, October 10th, 2025

Permit Conditions



Stormwater Pollution Prevention Plan

Storming Pollution Prevention Plan

Tier A SPPP

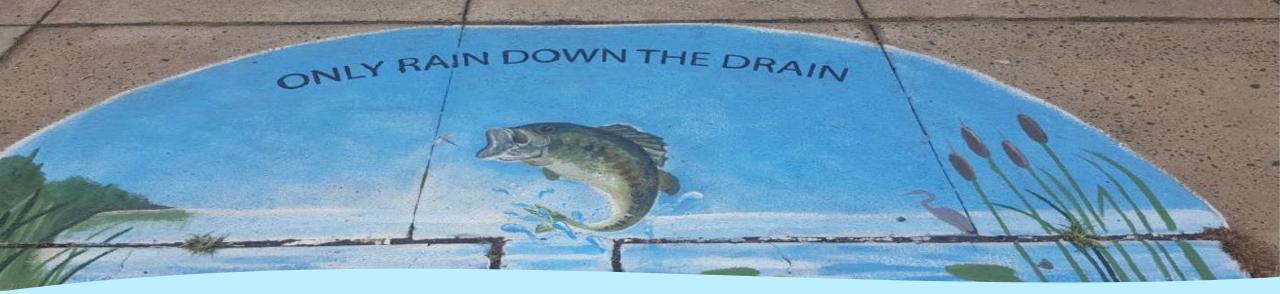
- Create or update to reflect current permit
 - Review annually, revise as needed
- Fillable template on MS4 webpage
- See sample SPPP for guidance
- Submit updated SPPP via NJDEP Online

 Post current SPPP on dedicated stormwater webpage



Dedicated Stormwater Webpage

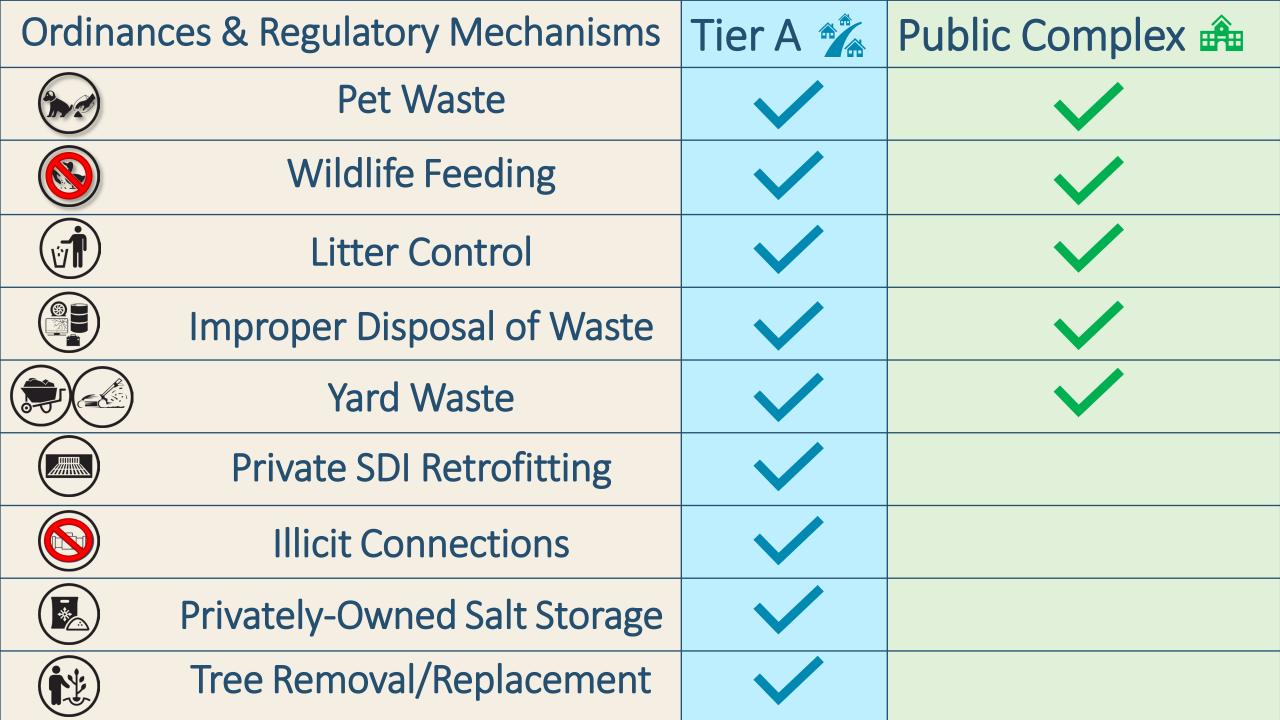
- ✓ Develop a dedicated stormwater webpage to include all required postings/links
- ✓ Free template: https://dep.nj.gov/njpdes-stormwater/stormwater-webpage-template/
- ✓ Information required to be posted:
 - ✓ Stormwater Pollution Prevention Plan
 - ✓ Municipal Stormwater Management Plan
 - ✓ Ordinances
 - ✓ MS4 Infrastructure Map
 - ✓ Watershed Improvement Plan meeting information and documents



Local Public Education & Outreach

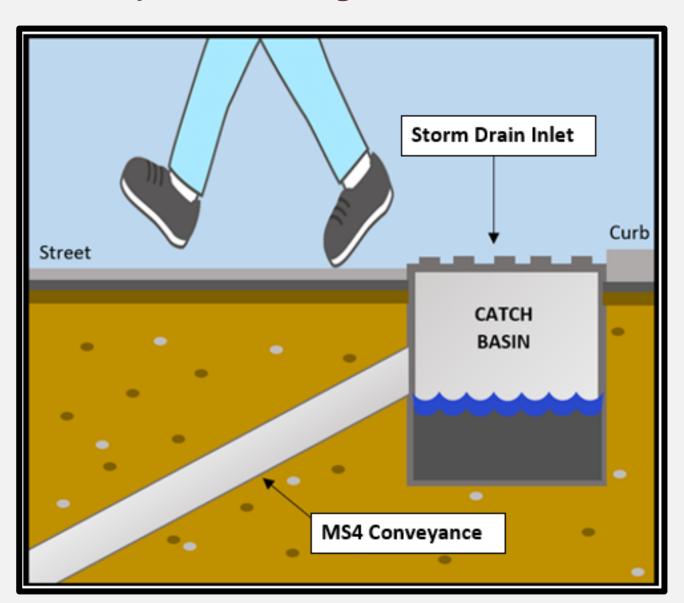
Tier A

- ✓ Choose from at least 3 categories to earn at least 12 points each year:
 - 1. General Public: social media, newspaper, radio, TV, sign, billboard
 - 2. Targeted Audience: mail/email education materials, SW display, promotional item
 - 3. School/Youth: presentation, contest, SW workshop, AmeriCorps event, clean-up
 - 4. Watershed/Regional Collaboration: regional SW project, GI workshop, regional event
 - 5. Community: SWF assessment, rain barrel workshop, rain garden workshop
- ✓ One activity must educate businesses and the public on the hazards of illicit connections and improper disposal of waste



Storm Drain Inlets & Catch Basins

Inspection, Cleaning, and Maintenance



Storm Drain Inlets

Labeling & Structure







- ✓ Apply button labels or paint message onto inlets that do not have permanent wording cast into the structure
- ✓ Retrofit ALL inlets to keep pollution out of the MS4
 - All storm drain inlets do NOT need to be replaced, only modified or retrofitted. Retrofitting examples:
 - Replace both grate and curb opening to comply with Attachment B
 - If only grate complies with Attachment B, apply a bolt on plate to curb opening
 - If only curb opening complies with Attachment B, modify the grate to comply with Attachment B
- ✓ New inlets must have a catch basin or other BMP for solids collection (bridges and culverts are exempt)



Storm Drain Inlets & Catch Basins

Inspection, Cleaning, and Maintenance

Tier A:



Storm Drain Inlets

- Inspect ALL every year
- Define cleaning and maintenance conditions to ensure proper operation

Catch Basins

- Inspect 20% of the total every year on rotation
- Define cleaning and maintenance conditions to ensure proper operation

Public Complex:



Storm Drain Inlets

- Inspect ALL every year
- Define cleaning and maintenance conditions to ensure proper operation

Catch Basins

- Inspect ALL every year
- Define cleaning and maintenance conditions to ensure proper operation

Outfall Inspections

Tier A

- Conduct dry weather inspections of all open & piped MS4 outfalls
 - 20% every year on rotation
 - Stream scouring
 - Illicit discharges
- Inspect new and newly identified outfalls within 30 days
- Optional to attach Outfall Inspection Form to Annual Report

Public Complex



- Conduct dry weather inspections of all open & piped MS4 outfalls
 - Inspect ALL each year
 - Stream scouring
 - Illicit discharges
- Inspect new and newly identified outfalls within 30 days
- Must attach Outfall Inspection Forms to Annual Report



Stream Scouring

- ✓ Investigate complaints and reports of scouring within 30 days and remediate within 12 months
- Stream Scouring Investigation Recordkeeping Form



Public Complex must attach DEP form(s) to Annual Report



Illicit Discharge Detection and Elimination

✓ Investigate dry weather flows within 30 days

✓ Remediate within 12 months OR request an extension from the Department by month 11

 Attach Illicit Connection Inspection Report Form to Annual Report





MS4 Conveyance Systems

- ✓ Inventory of stormwater conveyance features, e.g., ditches and pipes
- ✓ Define inspection frequency, and cleaning and maintenance conditions
- ✓ Guidance available at https://dep.nj.gov/stormwater





Other Stormwater Infrastructure Inspections

✓ For MS4 infrastructure not covered by another permit condition, e.g., SWM basins and MTDs

- ✓ Inspect, clean, and maintain
 - Follow approved maintenance plans
 - If no plan exists, create one following NJDEP online guidance
 - If no plan or Department guidance exists, inspect at least 4x/year and after 1" rain



Private Stormwater Facilities ***

- ✓ Ensure adequate long-term cleaning, operation, and maintenance of stormwater facilities not owned or operated by the municipality
 - Commercial property owners, developers, and HOAs may be assigned O&M responsibilities
 - Individual homeowners CANNOT be assigned O&M responsibilities for SWF on their properties if they were designed for stormwater management on multiple properties
- Inspections must be done at least annually and follow maintenance plans
 - Some towns use certification forms or license/fee programs
- ✓ Maintenance includes removal of materials that could impede proper function and cause flooding
 - Examples: sediment, trash, leaves, branches, excess growth





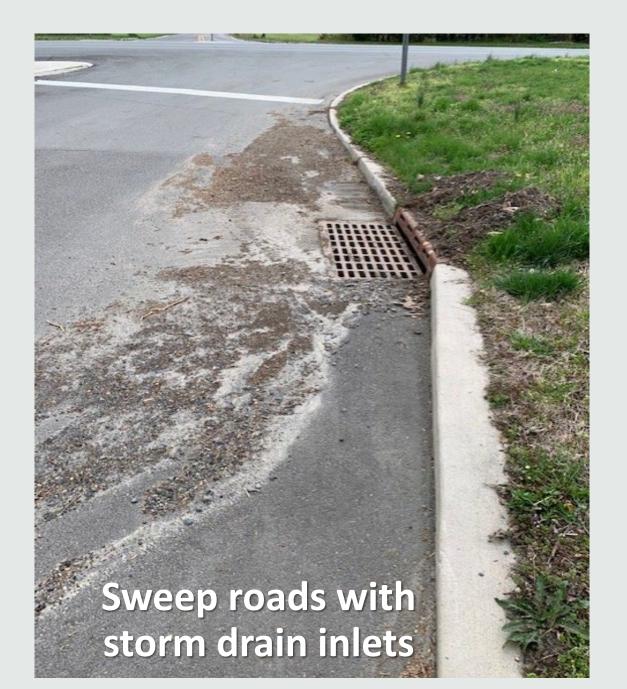
Street Sweeping

✓ Reduces the amount of dirt, debris, and litter that enters the stormwater system

✓ Reduces flooding due to clogged storm drains

✓ Reduces catch basin cleaning







Excess De-Icing Material Management

✓ Remove excess piles deposited during spreading operations on roads and parking areas

✓ Remove within 72 hours after storm events, conditions permitting



Roadside Vegetative Waste Management

 ✓ Proper management of materials generated by your staff or contractors (as opposed to residents)

- ✓ Keep materials far away from storm drains and swales
 - Tree trimmings
 - Grass clippings
 - Leaves







Roadside Erosion Control

- ✓ Inspect roadways for stability and sedimentation
 - Check shoulders, embankments, swales
 - Include roads with and without curbs
 - Can be done while doing other inspections

✓ Repair problems within 90 days of discovery or contact MS4 Case Manager if more time is needed



MS4 Infrastructure Map

Tier A:

- ✓ MS4 outfalls
- ✓ MS4 ground water discharge points
- ✓ MS4 interconnections
- ✓ Storm drain inlets
- ✓ MS4 manholes
- ✓ MS4 conveyance
- ✓ MS4 pump stations
- ✓ Stormwater facilities
- ✓ Property boundary of maintenance yard(s) and ancillary operations

Public Complex:



- ✓ MS4 outfalls
- ✓ MS4 ground water discharge points
- ✓ MS4 interconnections
- ✓ Storm drain inlets
- ✓ MS4 manholes
- √ MS4 conveyance
- ✓ MS4 pump stations
- ✓ Stormwater facilities
- ✓ Property boundaries of the Public Complex
- ✓ Property boundary of maintenance yard(s) and ancillary operations
- ✓ Submit as a shapefile, geodatabase, or AutoCAD file via NJDEP Online
- ✓ Post on the permittee's dedicated stormwater webpage
- ✓ Department by January 1, 2026

NJDEP Mapping Assistance Summary

- NJDEP created a database and data dictionary for stormwater infrastructure features
 - Ongoing updates to account for new mapping requirements in the 2023 Tier A permit and 2024 Public Complex permit
- Made available over several different collection methodologies to suit the needs of all permittees
 - ArcGIS Online
 - ESRI Geodatabase
- Existing data can be viewed via NJDEP Open Data/NJ-GeoWeb
- Training and assistance is available



Watershed Improvement Plan

Purpose:

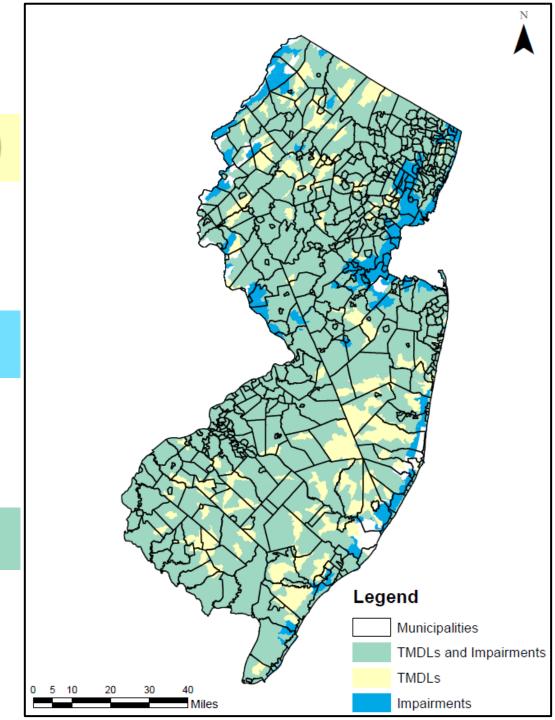
- Identify opportunities to improve water quality
- ✓ Reduce MS4 contribution of pollutants to waterbodies with impairments & TMDLs
- ✓ Address stormwater flooding to protect human health and safety, and the environment



Total Maximum Daily Load (TMDLs)

Water Quality Impairments

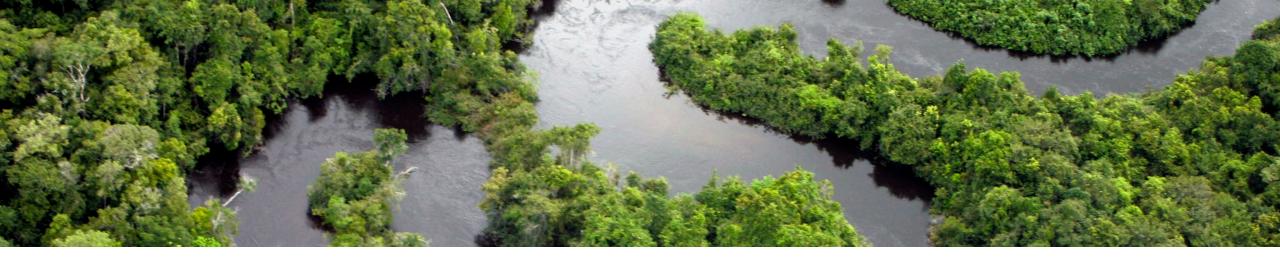
TMDLs and Impairments



Pollutant Parameters Related to Stormwater

- ✓ Fecal Coliform, Total Coliform, Enterococcus,
 & E. coli wildlife/pet waste, sewer leaks
- ✓ Nickel, Cadmium, Chromium, & Benzo(a)
 pyrene (PAHs) vehicle exhaust, asphalt
- ✓ Total Phosphorus, Dissolved Oxygen (DO),
 Nitrate, & pH fertilizers, leaf litter and other vegetative waste
 - ✓ Polychlorinated biphenyls (PCBs) vehicles, building materials

- ✓ Temperature, Total Dissolved Solids (TDS),
 Total Suspended Solids (TSS), & Turbidity –
 runoff from impervious surfaces, roadside
 erosion, road salt, leaf litter and other
 vegetative waste
- ✓ Volatile Organic Compounds (VOCs) gasoline, paint, solvents
- ✓ Lead & Copper old deteriorating pipes



Watershed Improvement Plan Overview 🚓 🐾



improvement projects

Phase 2 Phase 1 Phase 3 Watershed Inventory Watershed Assessment Watershed Improvement Plan Report Report Report • Due January 1, 2026 • Due January 1, 2027 • Due December 1, 2027 Inventory of ALL stormwater Select and begin **Evaluate stormwater** facilities and other relevant implementation of inventory and assess

improvement projects

information

Watershed Inventory Report - Phase 1

MS4 Infrastructure Map



Additional data the permittee collects



Analyze NJDEP data



WIP
Phase 1
Report





✓ Interconnection drainage area

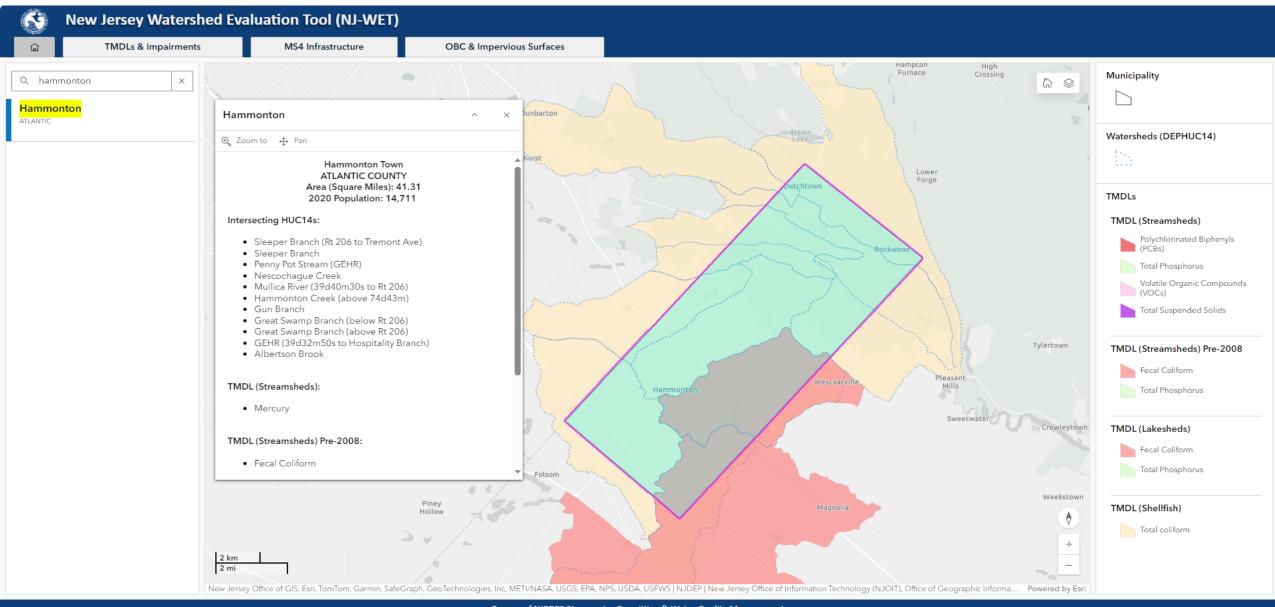


*H & H Database: hydro.Rutgers.edu

- Receiving waterbodies
- ✓ Water quality classifications
- ✓ TMDL & Impairment areas
- ✓ Impervious areas
 Overburdened communit s
- ✓ *NJPDES permitted sites*



NJ-WET (New Jersey Watershed Evaluation Tool)



WIP Resources



Home / Municipal Stormwater Regulation Program / Watershed Improvement Plan

Watershed Improvement Plan

Templates

Phase 1 – Watershed Inventory Report Template

Watershed Assessment Report - Phase 2 - Coming Soon

Watershed Improvement Plan - Phase 3 - Coming Soon

New Jersey Watershed Evaluation Tool (NJ-WET)

NJ-WET

NJ-WET FAQ

Resources

*WIP Project Matrix (See * below)

WIP Project Descriptions - Coming Soon

Pollutants of Concern

TMDL Lookup Tool

NJDEP Open Data

H&H Database

**MS4 Technical Assistance Program for Municipalities -Rutgers Cooperative Extension (See ** below)



Regional Collaboration

- The Department fully supports municipalities and other MS4 permittees collaborating regionally to prepare their WIPs
- Some potential partnership ideas:
 - 2 or more MS4s that discharge to the same or adjacent waterbodies or HUC 14s that share a TMDL or impairment
 - Managed by a watershed group or similar organization
 - Managed by an existing regional authority

Watershed Assessment Report – Phase 2

- Identify potential projects, estimate reduction of pollutants, summarize feedback from public sessions, establish funding needs, and tentative implementation schedule
- Stakeholder by soliciting input from residents, businesses, neighboring towns, and other potential dischargers
- Post on designated website & announce public comment period







Watershed Improvement Plan Report – Phase 3

 Summarize proposed projects, comments received, costs, coordination with other programs, and schedule





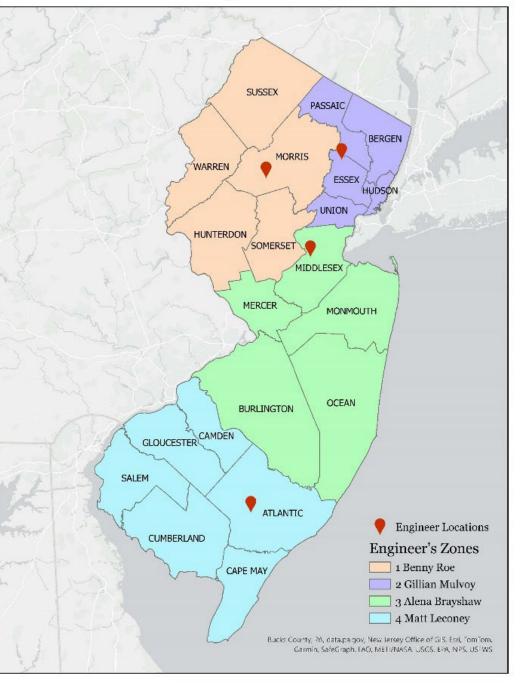


Municipal Stormwater Management Technical Assistance Program Rutgers Cooperative Extension Water

- 1. Build or enhance stormwater asset inventory or mapping
- 2. Stormwater system vulnerability, condition/functional assessment
- 3. Water quality and flood stressor identification
- 4. Watershed implementation planning and project identification and design
- 5. Zoning and impervious surface build out analysis
- 6. Ordinance evaluation and amendment

Region	Name	Email
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Central	Alena Brayshaw	alena.brayshaw@rutgers.edu
South	Matthew Leconey	matthew.leconey@rutgers.edu

MS4 Engineer's Zones





stormwatermanager@dep.nj.gov



https://dep.nj.gov/njpdes-stormwater/

CONTACT US

County Case Manager List



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Bureau of NJPDES Stormwater Permitting