



Stormwater Program Coordinator Training

March 26, 2025



Agenda

- SPC Responsibilities & Resources
- Permit Conditions
- Mapping & NJDEP Online Tips
- Funding Resources
- Q & A

Presentation Symbols



Tier A



Public Complex



Highway Agency

SPC Responsibilities

- ✓ Primary Point of Contact
- ✓ MS4 Permit Compliance
- ✓ Stormwater Pollution Prevention Plan
- ✓ Submissions
- ✓ Webpage Posts
- ✓ Public Notice & Outreach
- ✓ Training Coordination
- ✓ Annual Report
- ✓ Recordkeeping



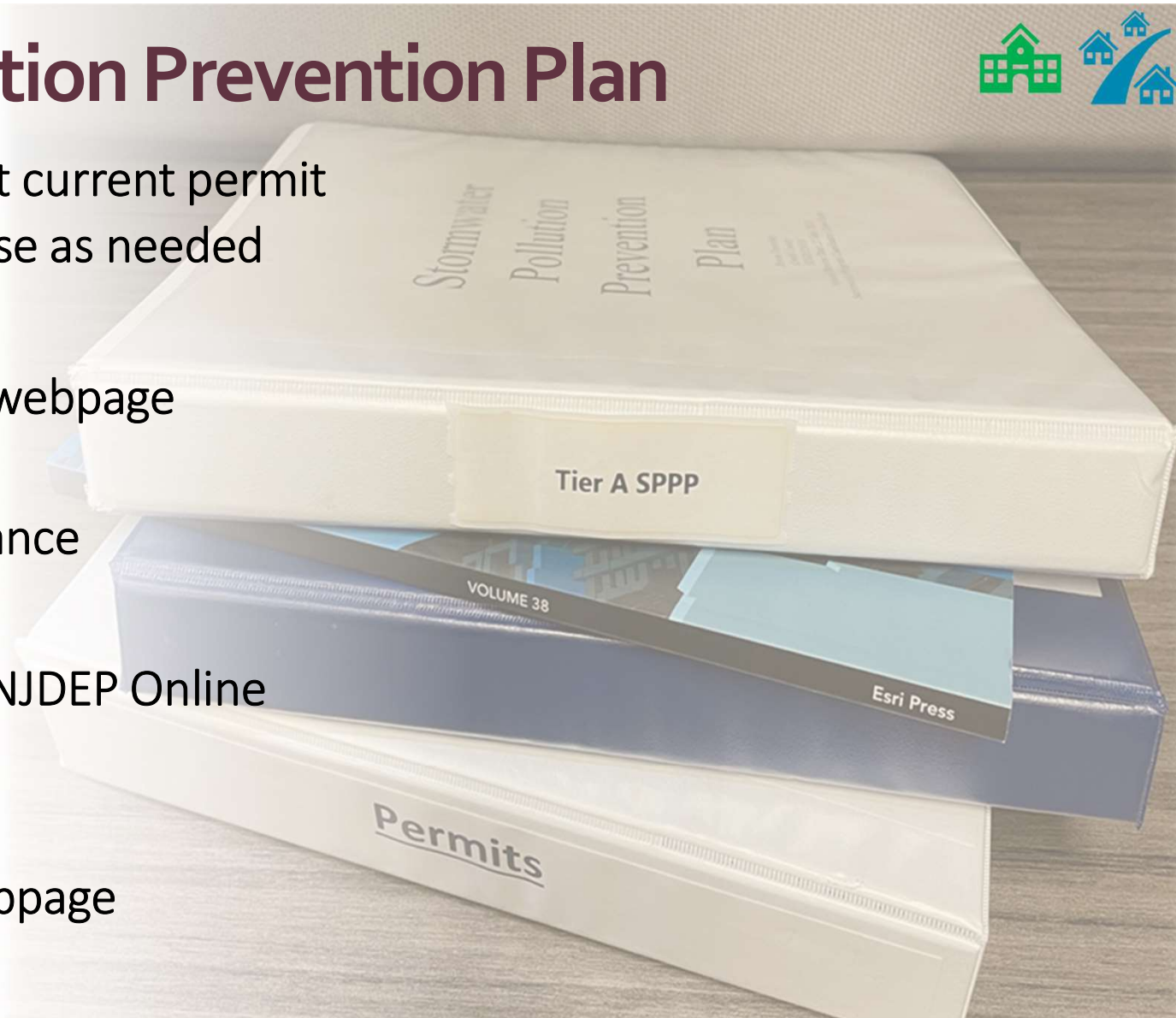
Permit Conditions



Stormwater Pollution Prevention Plan



- 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



Fillable Templates & Sample SPPPs

Visit our MS4 Webpage to
access our SPPP fillable
templates and samples:



Tier A SPPP



Public Complex SPPP

Stormwater Pollution Prevention Plan

*Storm Township
Creek County
NJG0123456*

*Annual Review Date: 27 Mar 2023
Stormwater Program Coordinator: Dean Scout*



Public Involvement and Participation Including Public Notice

- ✓ Comply with State and local public notice requirements
- ✓ Sunshine Law



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/>



Dedicated Stormwater Webpage

Tier A:

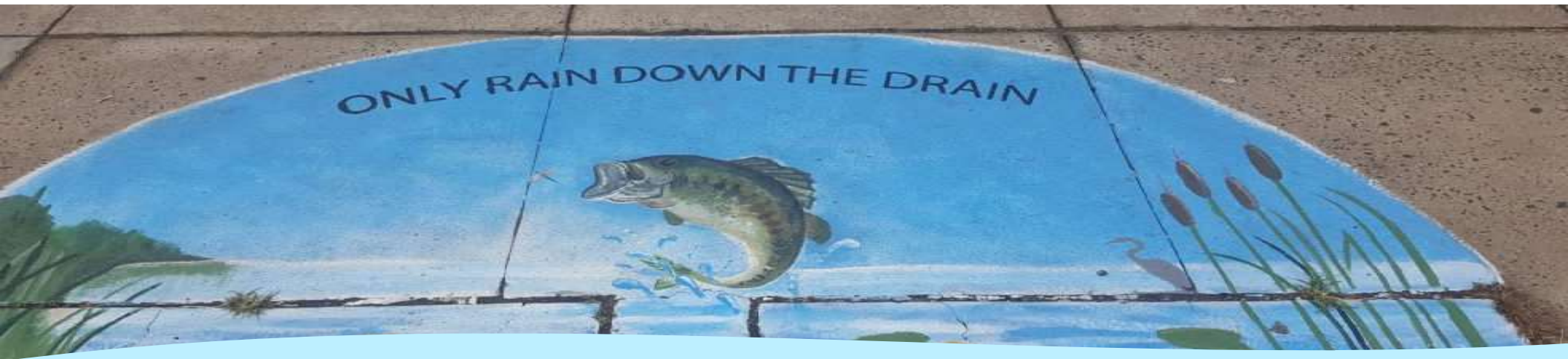


- ✓ **Stormwater Pollution Prevention Plan**
- ✓ **Municipal Stormwater Management Plan**
- ✓ **Ordinances**
- ✓ **MS4 Infrastructure Map**
- ✓ **Watershed Improvement Plan meeting information and documents**

Public Complex:



- ✓ **Stormwater Pollution Prevention Plan**
- ✓ **Regulatory Mechanisms**
- ✓ **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



Local Public Education & Outreach

Public Complex



- ✓ Colleges, universities, and military bases (with dependents living on base)
- ✓ Choose at least 1 activity from each category 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. Community Events: GI workshop, 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



Construction Site Stormwater Runoff

Obtain a Construction Activity NJPDES Stormwater General Permit (5G3) or Individual Permit for construction site stormwater runoff activities:

<https://dep.nj.gov/njpdes-stormwater/industrial-stormwater-program/general-permits/5g3/>



Post Construction Stormwater Management in New Development and Redevelopment

- ✓ Comply with N.J.A.C. 7:8 when reviewing & approving major development project designs
- ✓ Designer and reviewer cannot be the same person
- ✓ Review engineers attend Stormwater Management Design Review (SWMDR) training every 5 years & rule amendment training as needed
- ✓ Construct projects per N.J.A.C. 7:8 and approved development plans



Post Construction Stormwater Management in New Development and Redevelopment

- Municipal Stormwater Management Plan (MSWMP): Re-examine with Municipal Master Plan at least every 10 years
 - Submit to the County Planning Board for approval upon each adoption or amendment, including re-examinations with or without changes
 - Submit approved MSWMP via NJDEP Online
- Stormwater Control Ordinance (SCO):
 - Know how your town defines major development
 - Submit to the County Planning Board for approval upon each adoption or amendment
 - Submit approved SCO via NJDEP Online
 - Follow Pinelands Commission model SCO in Pinelands-designated areas

Post Construction Stormwater Management in New Development and Redevelopment

- Optional Mitigation Plans to allow variances shall:
 - Satisfy N.J.A.C. 7:8-4.2(c)11 and 4.6
 - Identify measures necessary to offset the deficit created by granting the variance
 - Submit approved variances to NJDEP within 30 days via NJDEP Online



Tier A - Include in MSWMP and SCO, and submit to County Planning Board



Public Complex - Mitigation projects may be in different drainage areas within the same HUC14

**IT'S THE
LAW!**







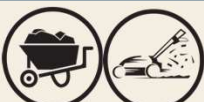
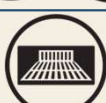

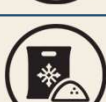

**CLEAN UP
AFTER YOUR
DOG**



**VIOLATORS WILL BE
PUNISHED TO FULL
EXTENT OF THE LAW**

Ordinances & Regulatory Mechanisms

- ✓ Keep pollutants out of stormwater – prevent HABs, beach closings, etc.
- ✓ Standards to keep the community clean
- ✓ Enforcement – you have a way to go after violators

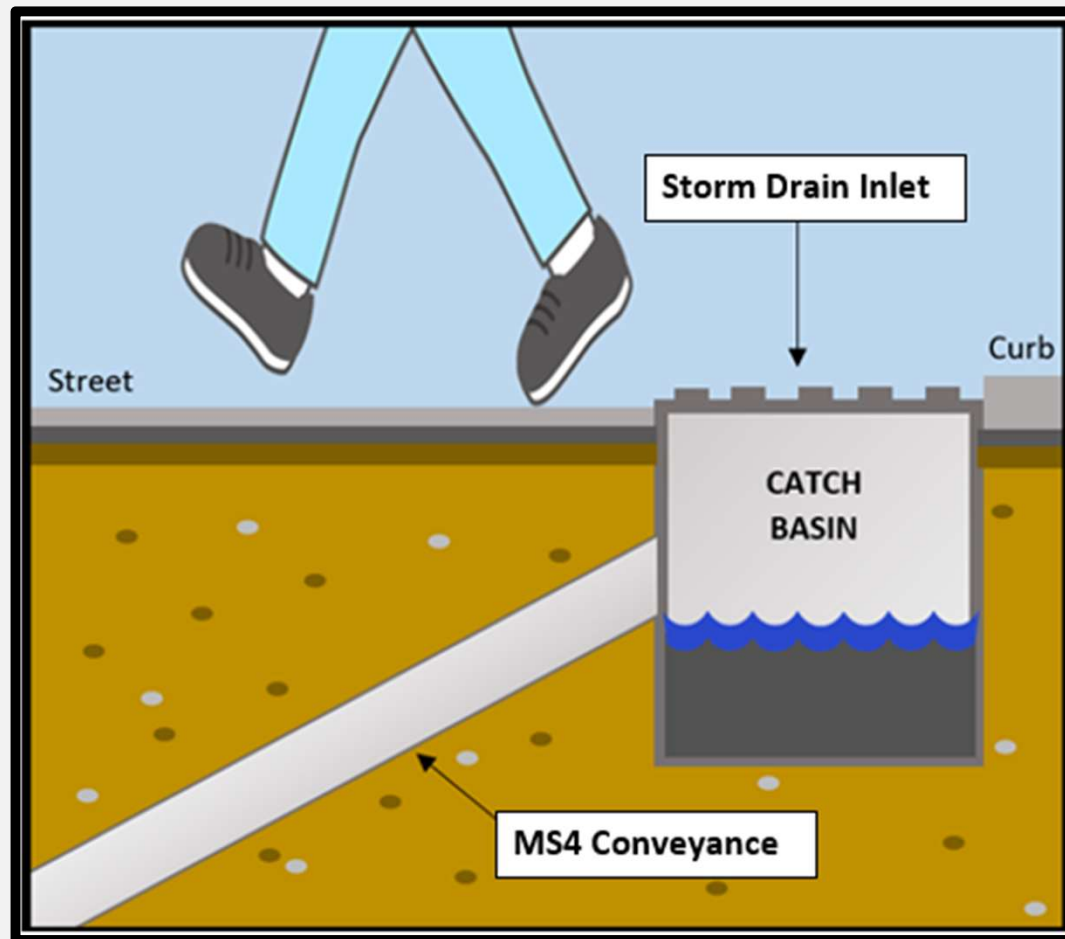
Ordinances & Regulatory Mechanisms	Tier A 	Public Complex 
 Pet Waste	✓	✓
 Wildlife Feeding	✓	✓
 Litter Control	✓	✓
 Improper Disposal of Waste	✓	✓
 Yard Waste	✓	✓
 Private SDI Retrofitting	✓	
 Illicit Connections	✓	
 Privately-Owned Salt Storage	✓	
 Tree Removal/Replacement	✓	

Q & A



Storm Drain Inlets & Catch Basins

Inspection, Cleaning, and Maintenance



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



Outfall Observations

- Ongoing interest in condition of MS4s from Watershed groups and citizens
- Very few illicit discharges and stream scouring cases have been reported to NJDEP
- Public is now able to report outfall damage, stream scouring, and illicit discharges to NJDEP

Outfall Observation Form		
<p><i>This form is to be filled out only if an illicit discharge or stream scouring is observed.</i> <i>Take pictures during observation and send to stormwatermanager@dep.nj.gov</i></p>		
SECTION 1: Basic Information		
Date of Observation: ____ / ____ / ____ Time: _____		
Completed by: _____		
GPS Coordinates (in Decimal Degrees): Latitude = _____ Longitude = _____		
Municipality: _____ County: _____		
Receiving Waterbody: _____		
Outfall type: _____ <input type="checkbox"/> Pipe <input type="checkbox"/> Swale <input type="checkbox"/> Other: _____		
Diameter of outfall: _____ <input type="checkbox"/> 0-6" <input type="checkbox"/> 6-12" <input type="checkbox"/> 12-18" <input type="checkbox"/> Greater than 18"		
SECTION 2: Stream Scouring		
Is there stream scouring present at or around the outfall? <input type="checkbox"/> YES* <input type="checkbox"/> NO		
*If YES, describe the scouring, including where the scouring is occurring relative to the outfall: _____ _____		
Is the outfall damaged? <input type="checkbox"/> YES <input type="checkbox"/> NO		
Bank stability around outfall: <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Needs Stabilization		
SECTION 3: Illicit Discharge		
Has it rained or snowed in the last 72 hours? <input type="checkbox"/> YES <input type="checkbox"/> NO		
Is there a flow from the outfall? <input type="checkbox"/> YES* <input type="checkbox"/> NO		
*If YES, complete the table below:		
Odor	<input type="checkbox"/> None <input type="checkbox"/> Sewage <input type="checkbox"/> Petroleum/Gas	<input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Sulfur/Rotten Eggs <input type="checkbox"/> Other: _____
Color	<input type="checkbox"/> None <input type="checkbox"/> Brown <input type="checkbox"/> Grey	<input type="checkbox"/> Yellow <input type="checkbox"/> Red <input type="checkbox"/> Other: _____
Turbidity	<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy	<input type="checkbox"/> Opaque
Floatable Matter (Not including litter)	<input type="checkbox"/> None <input type="checkbox"/> Sewage/Sanitary Products <input type="checkbox"/> Unnatural Suds/Foam	<input type="checkbox"/> Unnatural Oil/Petroleum Sheen <input type="checkbox"/> Other: _____



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

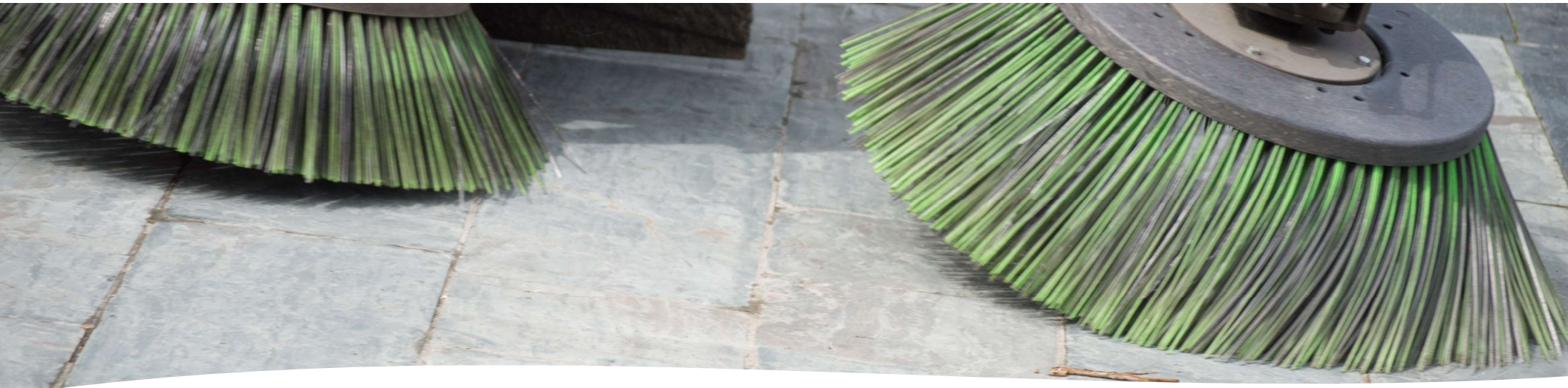


Private Stormwater Facilities



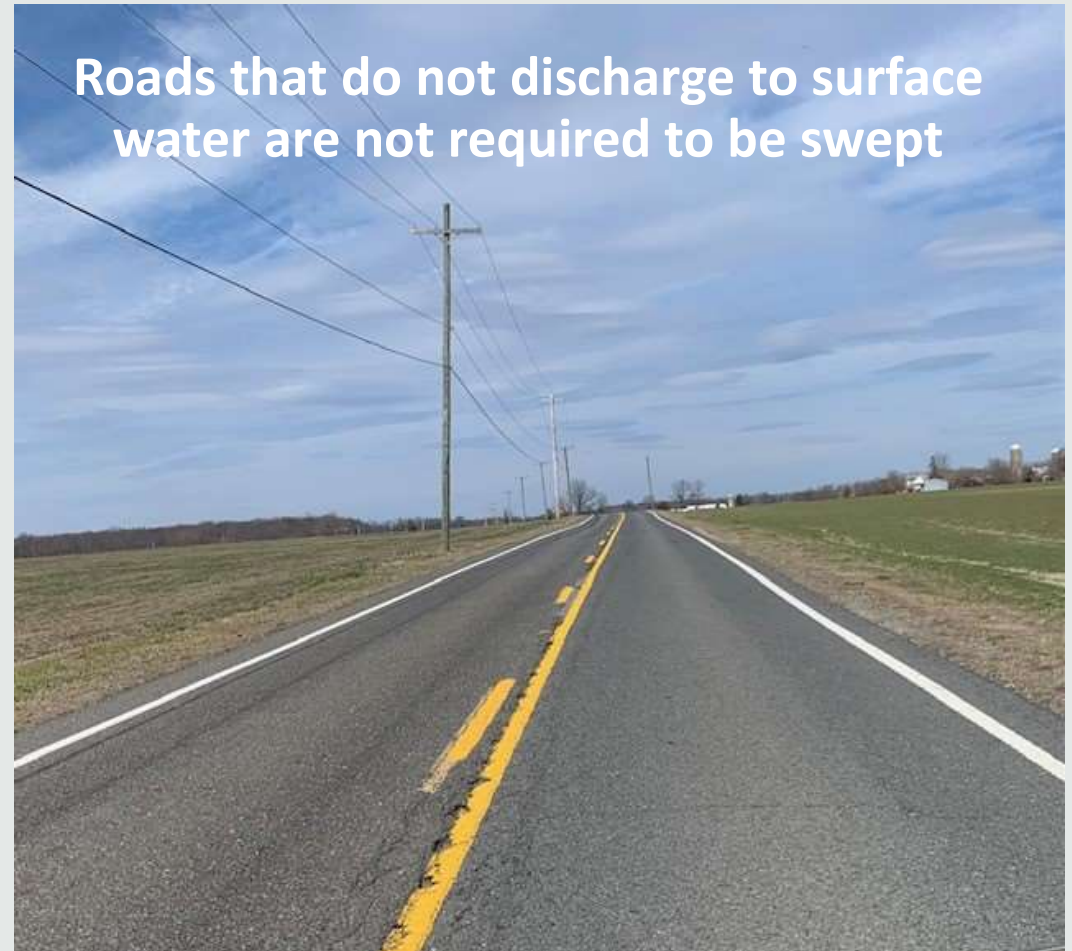
- ✓ Ensure adequate long-term cleaning, operation, and maintenance of stormwater facilities not owned or operated by the municipality
 - Commercial property owners, developers, and HOAs may be assigned O&M responsibilities
 - Individual homeowners CANNOT be assigned O&M responsibilities for SWF on their 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





**Sweep roads with
storm drain inlets**



ditch

**Sweep roads that
discharge to surface water**

Street Sweeping

Tier A



- ✓ Triannual Sweeping
 - Every 4 months, sweep segments of municipal roads with storm drain inlets that drain to surface water

- ✓ Annual Sweeping
 - Every year, sweep segments of municipal roads that do NOT have storm drain inlets but drain to surface water directly or to a stormwater conveyance

Street Sweeping – Public Complex

- ✓ Monthly – Sweep paved areas with storm drain inlets that drain to surface water
 - Include parking lots, driveways, and streets on your property that do not belong to the municipality, county, or state



Herbicide Application Management

- ✓ Prevent herbicides from entering waterways
 - Spray far from storm drain inlets
- ✓ Prevent erosion from de-vegetation
 - Do not spray on steep slopes
- ✓ Only apply along where unsafe or impossible to mow
 - Along curb lines
 - Within a 2' radius around structures



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



Illicit Connections Public Complex



- ✓ Ensure there are no illicit discharges going into your MS4 system
- ✓ Inspect outfalls and eliminate any observed illicit discharges



Tree Replacement Management Public Complex



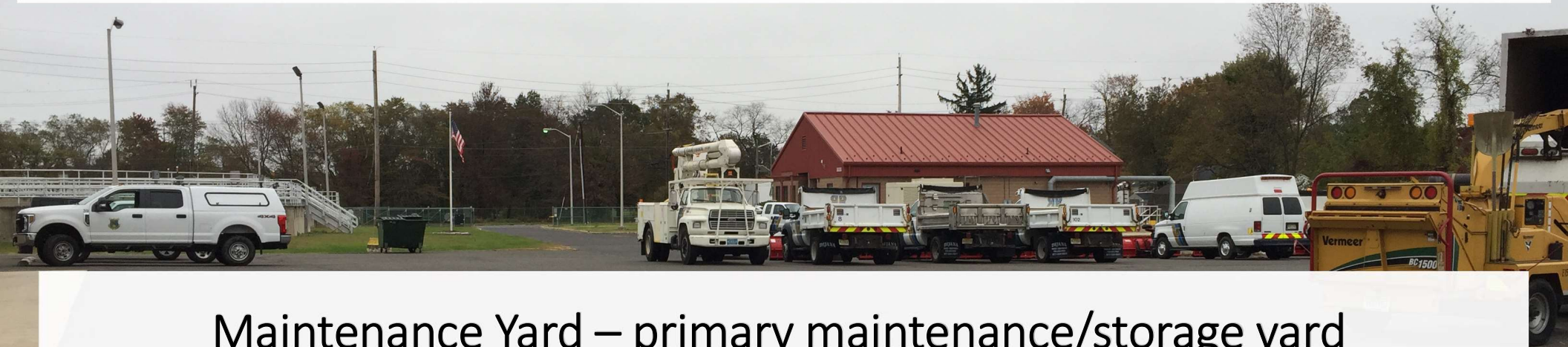
Healthy trees removed from the property must be replaced within 1 year

- Remove 1 street tree 2.5"- 6" DBH, replace with 1 tree at least 1.5" DBH
- Remove 1 tree 6"-12.99" DBH, replace with 1 tree at least 1.5" DBH
- Remove 1 tree 13"-22.99" DBH, replace with 2 trees at least 1.5" DBH
- Remove 1 tree 23"-32.99" DBH, replace with 3 trees at least 1.5" DBH
- Remove 1 tree 33" + DBH, replace with 4 trees at least 1.5" DBH
- **Exemptions**
 - Hazard trees
 - Tree farms, nurseries, fruit orchards, and garden centers
 - Trees that are part of a DEP or EPA-approved environmental cleanup or habitat enhancement plan
 - Trees involving approved game management practices

Q & A



Maintenance Yards & Ancillary Operations



Maintenance Yard – primary maintenance/storage yard

Ancillary Operation – fleet or maintenance shops with outdoor storage areas, impound yards, permanent and mobile fueling locations, salt/sand storage locations, snow disposal areas, etc.



Maintenance Yards & Ancillary Operations

- Site Inspections – Log monthly inspections; note conditions and necessary improvements
- Inventory List – List materials and machinery exposed to stormwater
- Container Labels – Keep labels legible, clean and visible
- Spill Kits – Dry method only; keep near liquid transfer areas, protected from rainfall; properly dispose of used absorbent materials
- Bulk Liquids – Use secondary containment around aboveground tanks (spill containment dikes are preferable to double-walled tanks)



Maintenance Yards & Ancillary Operations

- **Fueling and Other Bulk Liquid Transfers** – Use drip pans, block storm drains, post signage, and repair/replace broken equipment
- **Discharge from Secondary Containment** – Properly dispose of contaminated stormwater in collection area
- **Vehicle/Equipment Maintenance and Repair** – Work indoors when possible; follow BMPs if work must be done outdoors
- **Wash Wastewater Containment** – Check underground tanks and pipes for leaks every 3 years; inspect visible portions before use; empty tank before 95% full; stop use if repairs are needed; report spills to NJDEP Hotline; properly dispose of pump-out water; certify annually by NJ licensed engineer



Maintenance Yards & Ancillary Operations

- Salt/Granular De-icing Materials – Store in permanent structure & minimize exposure to rain, snow, and SW run-on; sweep after loading/unloading
- Aggregate Material, Wood Chips, and Finished Leaf Compost – Store 50' from water bodies, inlets, ditches and conveyance channels; use grading, berms, etc.
- Cold Patch Asphalt – Store indoors or contained & covered on impervious surface
- Street Sweepings & Storm Sewer Clean-outs – Store up to 6 months in leak-proof container or properly contained & covered on impervious surface



Maintenance Yards & Ancillary Operations

- Construction and Demolition Waste, Wood Waste, and Yard Trimmings — Keep 50' from MS4; use grading, berms, etc. to minimize SW run-on and pollutant run-off; store up to 6 months
- Scrap Tires — Must be stored in a covered container or enclosure
- Inoperable Vehicles or Equipment — Check tents, covers, and drip pans during monthly site inspections
- Refuse Containers & Dumpsters — Must be covered (N/A for bulky items that do not contain putrescible waste, e.g., furniture)





Wood Waste Recycling and Leaf Composting Permit (WRC)

- Storage of finished leaf compost and wood chips is still covered under the Tier A permit
- WRC regulates stormwater discharge from sites where the following activities occur:
 - Recycling activities in which tree branches, tree limbs, tree trunks, brush, and other wood waste that has not been chemically treated, glued, dyed, or painted are received, stored, processed, and transferred. Processing shall be limited to chipping, grinding, screening, and size reduction.
 - Composting activities in which grass clippings, leaves, and wood chips (not chemically treated, glued, dyed, or painted) are received, stored, processed, and transferred

<https://dep.nj.gov/njpdес-stormwater/industrial-stormwater-program/general-permits/wrc/>



Training Requirements

- Stormwater Program Coordinators
- Tier A/Public Complex Employees
- Stormwater Management Design Reviewers



Tier A - Municipal Board & Governing Body Members



Stormwater Program Coordinator Training

- ✓ SPCs must attend NJDEP training on their responsibilities to implement the SW program
- ✓ Notify the Department within 30 days of turnover with new SPC name, title, and contact information
- ✓ New SPCs may view the recorded sessions posted on the NJDEP MS4 website but must attend the next available live session



Annual Employee Training

- ✓ Train employees/contractors on the topics that relate to their stormwater-related job duties
- ✓ Provide in-person or virtual group sessions, field training, and/or instructional videos as appropriate

Tier A:



- ✓ Stormwater Pollution Prevention Plan
- ✓ Construction Site Stormwater Runoff
- ✓ Post-Construction Stormwater Management in New/Redevelopment
- ✓ Community-wide Ordinances
- ✓ Community-wide Measures
- ✓ SW Facilities Maintenance
- ✓ Maintenance Yards/Ancillary Operations
- ✓ MS4 Mapping
- ✓ Outfall Stream Scouring
- ✓ Illicit Discharge Detection and Elimination
- ✓ Watershed Improvement Plan

Public Complex:



- ✓ Stormwater Pollution Prevention Plan
- ✓ Construction Site Stormwater Runoff
- ✓ Post-Construction Stormwater Management in New/Redevelopment
- ✓ Regulatory Mechanisms
- ✓ Good Housekeeping
- ✓ SW Facilities Maintenance
- ✓ Maintenance Yards/Ancillary Operations
- ✓ MS4 Mapping
- ✓ Watershed Improvement Plan

Stormwater Management Design Reviewer Training

- Stormwater Management Design Review Course
 - Stormwater management design reviewers must attend NJDEP training every 5 years for post-construction SWM program requirements
 - Check <https://dep.nj.gov/stormwater/stormwater-management-design-review-course/> to make sure your review engineers are up to date with training
 - If not, email stormwatermanagement@dep.nj.gov for registration information about the next available course
- Stormwater Management Rule Amendment Sessions
 - The Department will notify SPCs and engineers when there is reviewer training for SWM rule amendments



Municipal Board and Governing Body Member Training



- Members of planning boards, zoning boards, and governing bodies who review/approve major development project applications
- Within 6 months, new members view the following:
 - Asking the Right Questions video at https://nj.gov/dep/stormwater/asking_the_right_questions.html
- Each term thereafter, view one of the following videos available at <https://dep.nj.gov/stormwater/stormwater-training/#reviewers-training>
 - SWM Rules Applicability
 - SWM Rules Planning
 - SWM Rules Design & Performance
 - SWM Rules Safety
 - SWM through the General MS4 Permit



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

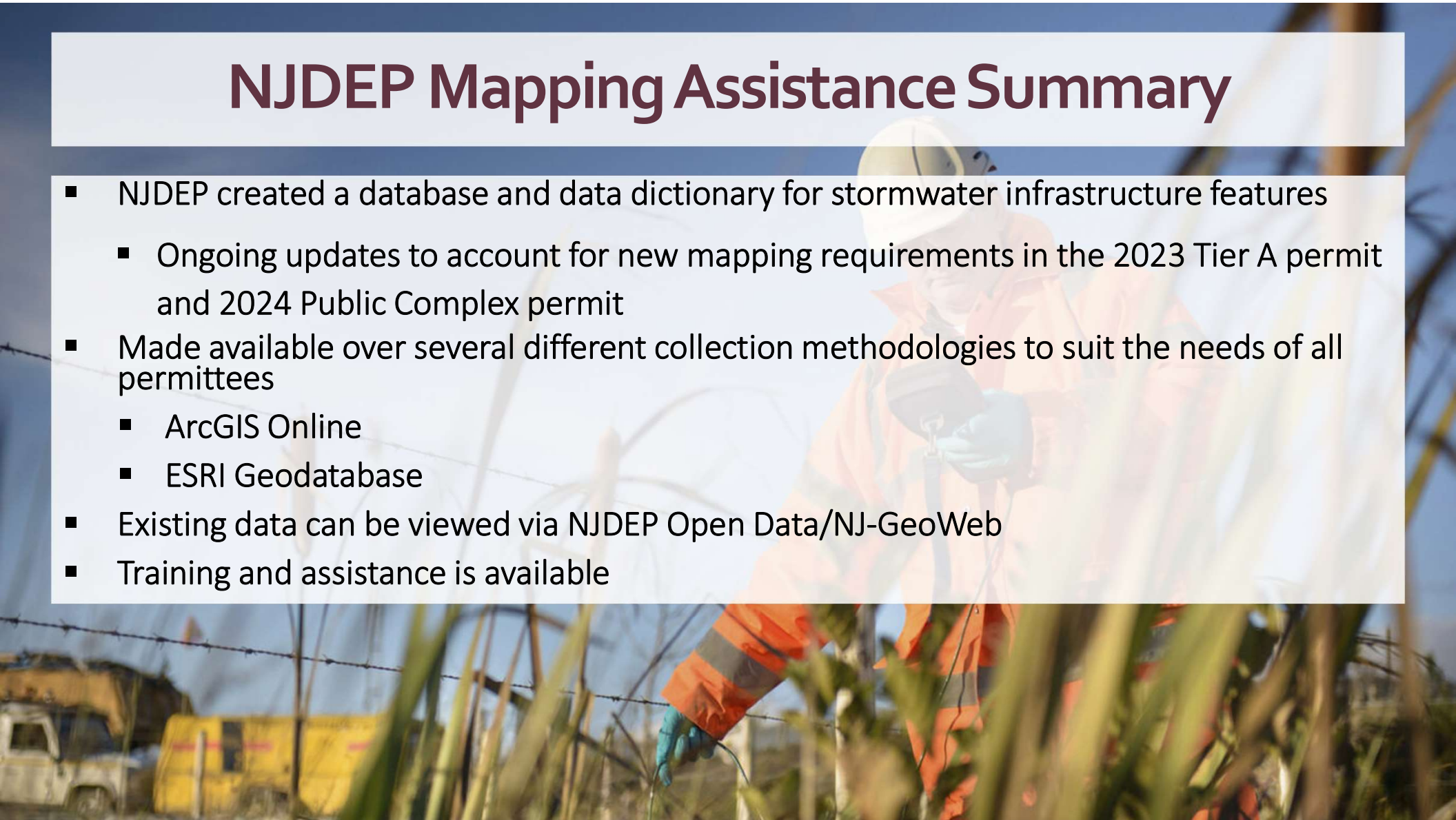
- ✓ Submit as a shapefile, geodatabase, or AutoCAD file via NJDEP Online
- ✓ Post on the permittee's dedicated stormwater webpage
- ✓ MS4 Outfalls, MS4 Interconnections, and Storm Drain Inlets important for the Watershed Improvement Plan

Required Attributes

<u>Outfalls</u> <ul style="list-style-type: none"> ✓ Type ✓ Receiving surface water name 	<u>Groundwater Discharge Points</u> <ul style="list-style-type: none"> ✓ Type 	<u>Interconnections</u> <ul style="list-style-type: none"> ✓ Type ✓ Into/from entity 	<u>Storm Drain Inlets</u> <ul style="list-style-type: none"> ✓ Type ✓ Catch basin present ✓ Label present ✓ Retrofitted 	<u>Manholes</u> <ul style="list-style-type: none"> ✓ NONE
<u>Conveyance</u> <ul style="list-style-type: none"> ✓ Type ✓ Direction of flow 	<u>Pump Stations</u> <ul style="list-style-type: none"> ✓ NONE 	<u>Stormwater Facilities</u> <ul style="list-style-type: none"> ✓ Type 	<u>Property Boundaries of Maintenance Yards and Other Ancillary Operations</u> <ul style="list-style-type: none"> ✓ Type of property 	<u>Property Boundaries of Public Complex</u> <ul style="list-style-type: none"> ✓ NONE 

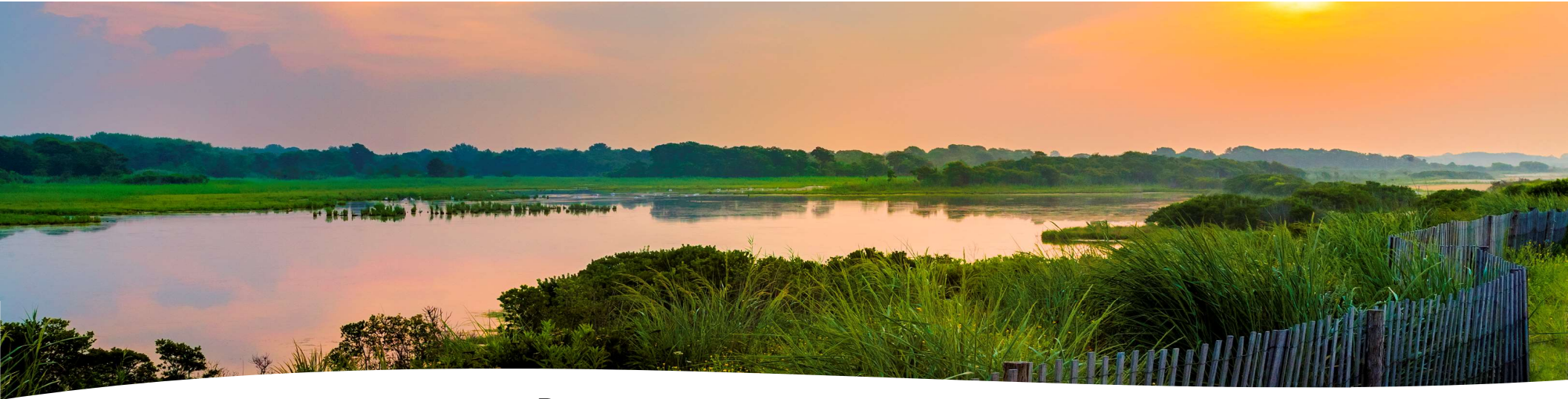
NJDEP Mapping Assistance Summary

- 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



Q & A





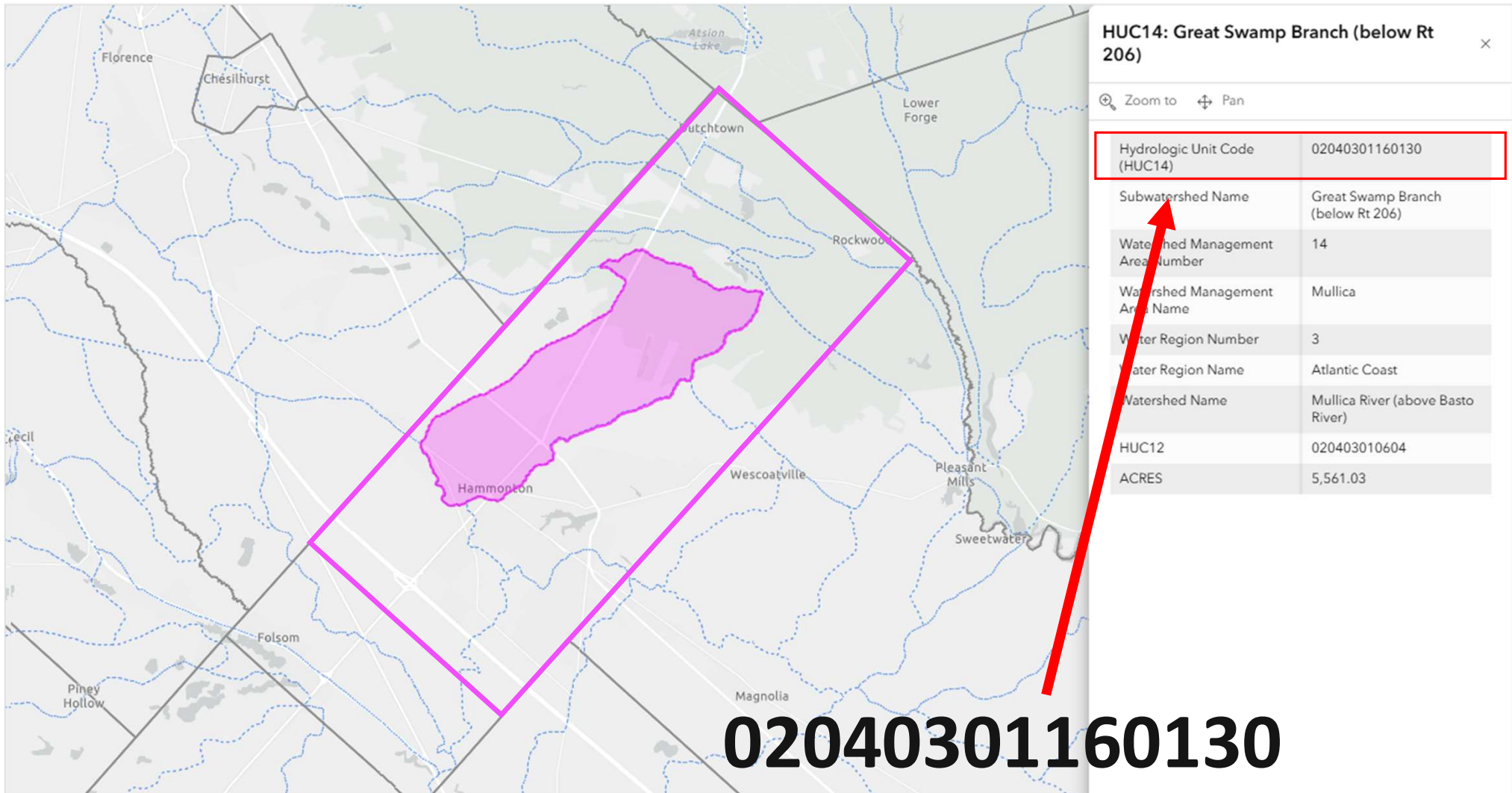
Watershed Improvement Plan

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



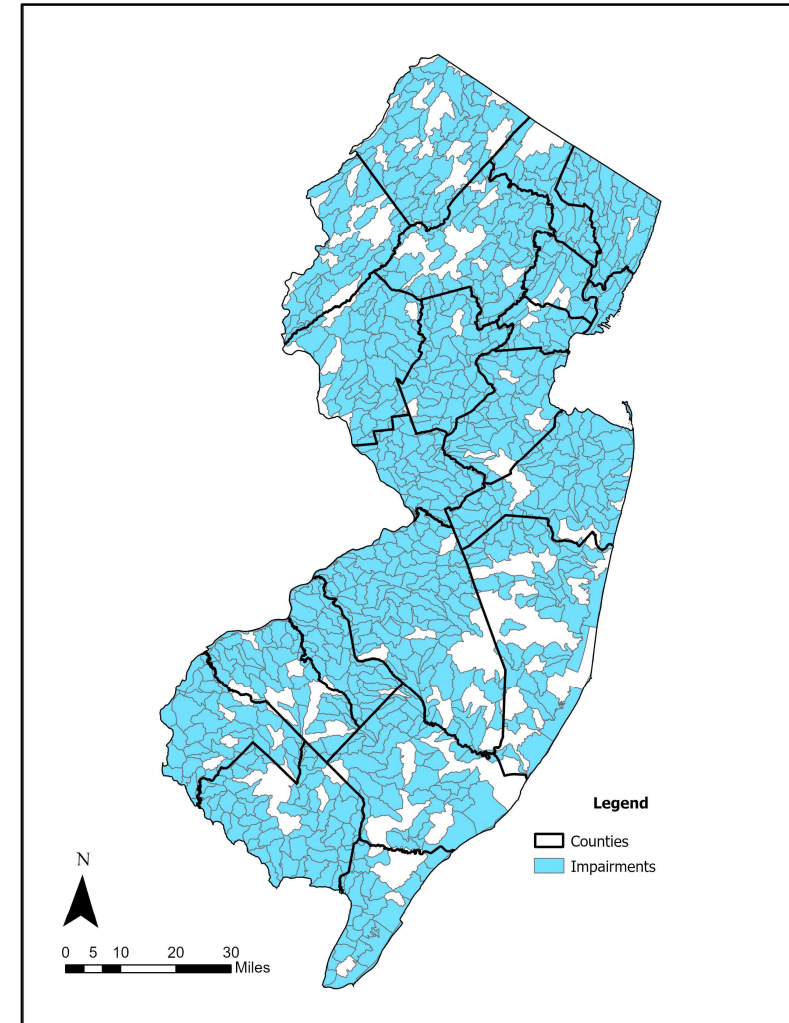
Hydrologic Unit Code (HUC 14)



Surface Water Quality in New Jersey

Water Quality Impairments

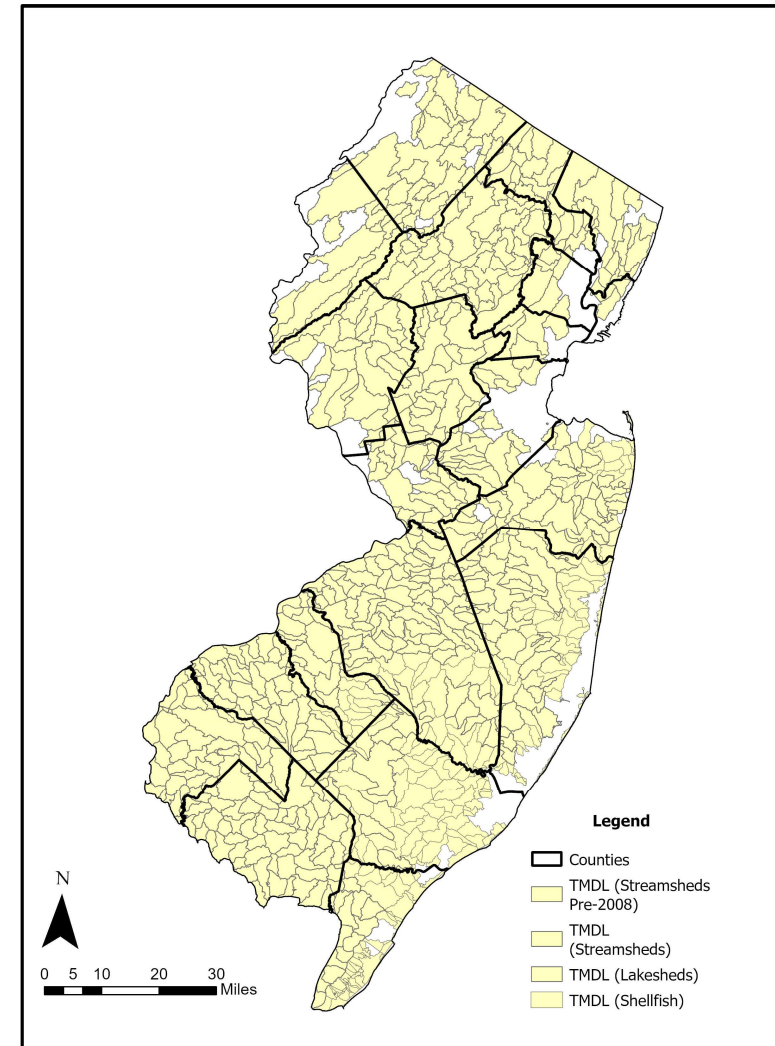
- ✓ Benzo(a) pyrene (PAHs)
- ✓ Cadmium
- ✓ Chromium
- ✓ Copper
- ✓ Dissolved Oxygen (DO)
- ✓ Enterococcus
- ✓ E. Coli
- ✓ Lead
- ✓ PCBs in Fish Tissue
- ✓ pH
- ✓ Total Phosphorus
- ✓ Temperature
- ✓ Total Dissolved Solids (TDS)
- ✓ Total Suspended Solids (TSS)
- ✓ Turbidity



Surface Water Quality in New Jersey

Total Maximum Daily Load (TMDLs)

- ✓ Fecal Coliform
- ✓ Nickel
- ✓ Polychlorinated Biphenyls (PCBs)
- ✓ Temperature
- ✓ Total Coliform
- ✓ Total Phosphorus
- ✓ Total Suspended Solids (TSS)
- ✓ Volatile Organic Compounds (VOCs)



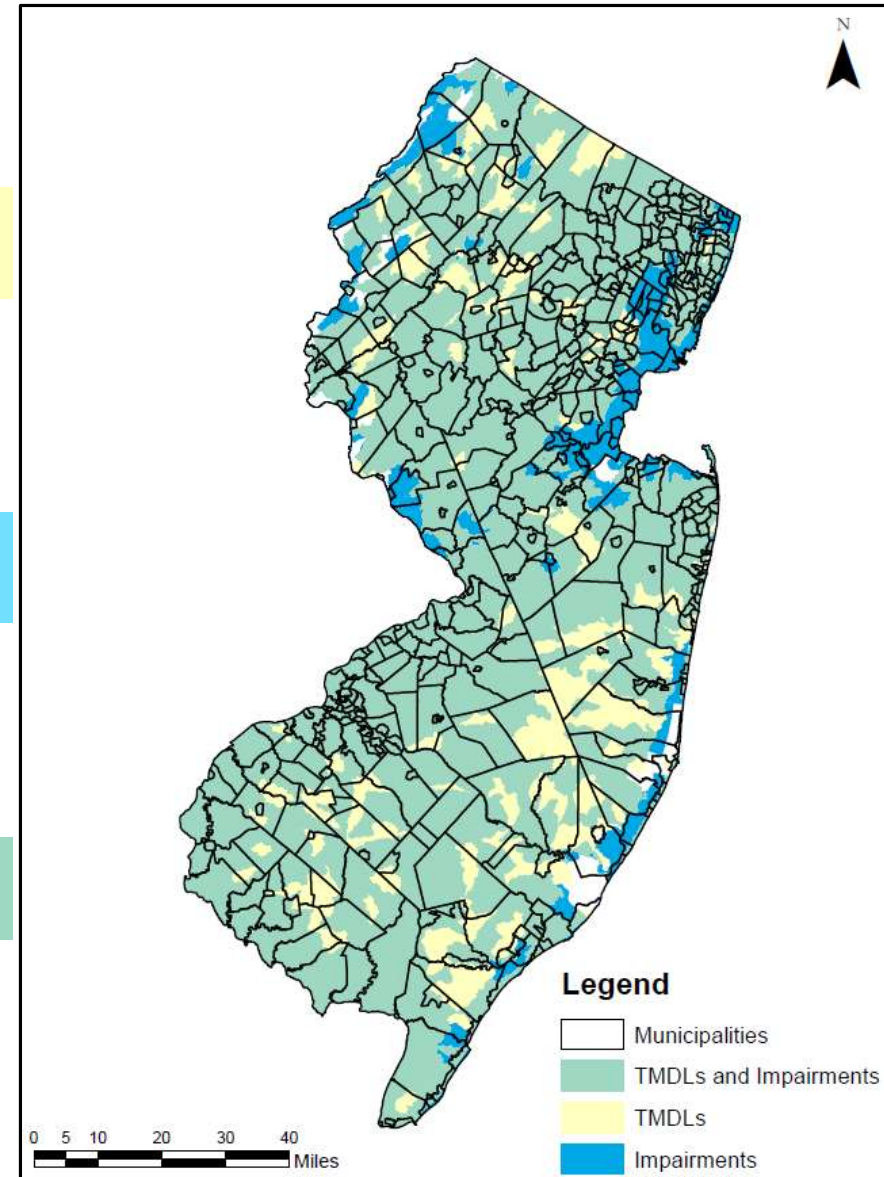
Pollutant Parameters Related to Stormwater

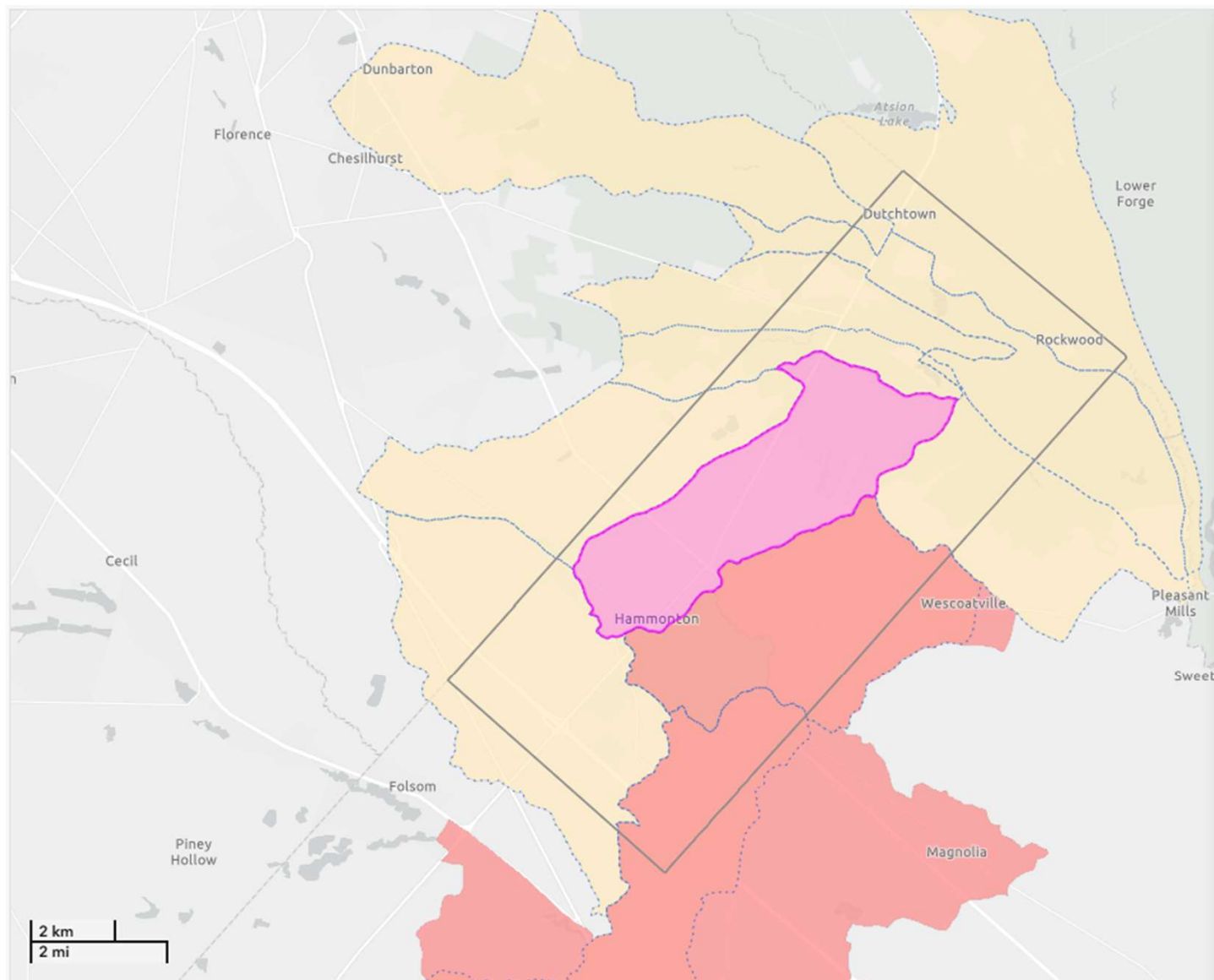
- ✓ Fecal Coliform, Total Coliform, Enterococcus, & E. coli – wildlife/pet waste, sewer leaks
- ✓ Nickel, Cadmium, Chromium, & Benzo(a) pyrene (PAHs) – vehicle exhaust, asphalt
- ✓ Total Phosphorus, Dissolved Oxygen (DO), Nitrate, & pH – fertilizers, leaf litter and other vegetative waste
- ✓ Polychlorinated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

Total Maximum Daily Load (TMDLs)

Water Quality Impairments

TMDLs and Impairments





Water Quality Impairment(s) Related to Stormwater for Great Swamp Branch (below Rt 206)



Zoom to Pan

Water Quality Impairment(s) Related to Stormwater

Great Swamp Branch (below Rt 206)
NITRATE



Great Swamp Branch (below Rt 206)
PH





Watershed Improvement Plan Overview



Phase 1

Watershed Inventory Report

- Due January 1, 2026
- Inventory of ALL stormwater facilities and other relevant information

Phase 2

Watershed Assessment Report

- Due January 1, 2027
- Evaluate stormwater inventory and assess improvement projects

Phase 3

Watershed Improvement Plan Report

- Due December 1, 2027
- Select and begin implementation of improvement projects

Watershed Inventory Report – Phase 1

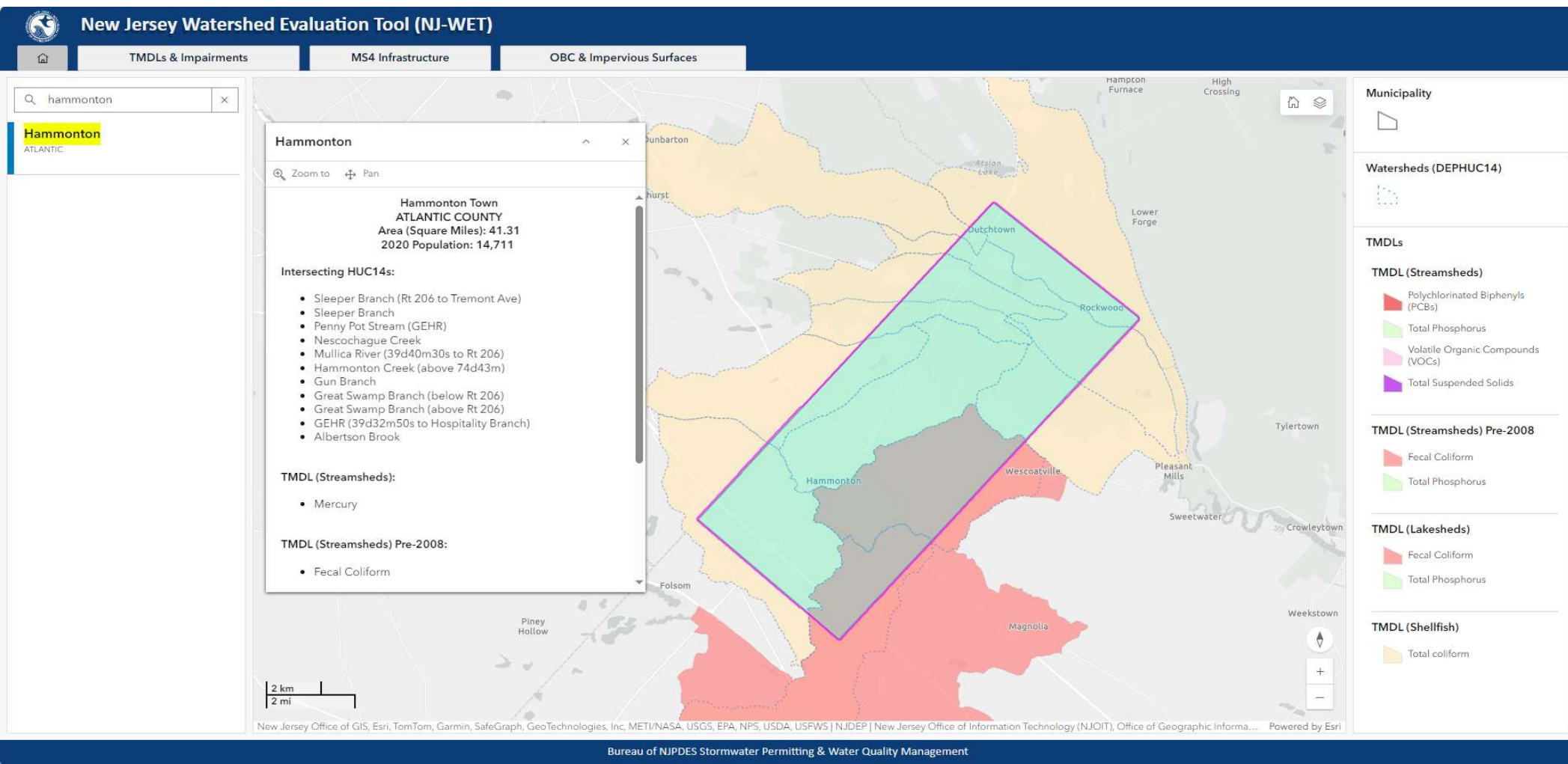


- ✓ Outfall drainage area
- ✓ Interconnection drainage area
- 🏠 Private stormwater management measures*

*H & H Database: hydro.Rutgers.edu

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

NJ-WET (New Jersey Watershed Evaluation Tool)



WIP Resources



[Home](#) / [Municipal Stormwater Regulation Program](#) / [Watershed Improvement Plan](#)

Watershed Improvement Plan



Templates

[*DRAFT* 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](#)



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 \(See ** below\)](#)

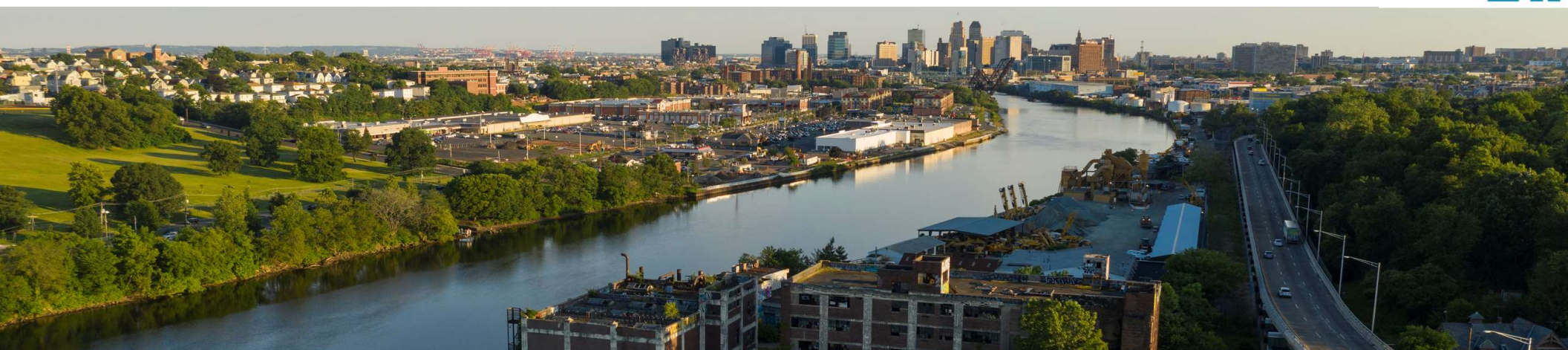
A background image showing a group of people in a meeting or collaborative setting. They are seated around a table, looking at documents or devices. The image is slightly blurred and has a semi-transparent white overlay where the text is placed.

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



Additional & Optional Measures

- Additional Measures – The Department may assign additional steps the permittee must take to address TMDLs, regional stormwater management plans, or Water Quality Management Plans
- Optional Measures – Municipalities may adopt and enforce other measures beyond the scope of the MS4 permit





Recordkeeping

- ✓ Retain copies of all records related to the MS4 permit for at least 5 years
- ✓ Make available to the Department upon request



Annual Report & Certification

- Access Annual Report via the NJDEP Online Portal
- Due by May 1st each year



Tier A - Attach the Supplemental Questionnaire

<https://dep.nj.gov/njpdes-stormwater/municipal-stormwater-regulation-program/tier-a/#annual-report-and-certification-online-links-and-tutorials>



Tier A - Attach Illicit Connection Inspection Reports (if applicable)

<https://www.state.nj.us/dep/dwq/pdf/illicit-connection-combined-with-closeout-editable.pdf>



Public Complex – Attach Outfall Inspection Forms, Stream Scouring Forms, and Illicit Connection Forms

<https://dep.nj.gov/njpdes-stormwater/municipal-stormwater-regulation-program/public-complex-stormwater-permit/#templates-and-forms>



NJDEP Online Tips

- Access Annual Report and attach all required forms
 - Create your own NJDEP Online account – you cannot finish a report that another user started
 - Contact your Case Manager if you are unable to complete the Annual Report – report may be “In Progress” under another user’s account
 - Write down your username and password, etc. – accounts are managed by NJOIT
- Access Facility Submittal Service (FSS) to submit all required permit documents (maps, SPPPs, WIP documents, etc.)







NJDEP Online Guides and FAQs


[Annual Report FAQ](#)


[Annual Report Guide](#)

[Document Submittal Service Guide](#)

\$\$\$ Funding Resources \$\$\$


- \$ Rutgers Cooperative Extension- Water Resources Program 
- \$ New Jersey Infrastructure Bank (I-Bank)
- \$ Stormwater Utilities 
- \$ Tier A Stormwater Assistance Grant 
- \$ Original Tier A towns- \$25,000
- \$ New Tier A towns- \$75,000
- \$ Special Emergency Appropriations (NJS 40A:4-55.1) 


Department of Environmental Protection



Bureau of NJPDES Stormwater Permitting and Water Quality Management

[Home](#)
[Municipal Stormwater Regulation Program](#)
[Stormwater Utility Guidance](#)
[Industrial Stormwater Program](#)
[Water Quality Management Planning](#)















[Home](#) / [Municipal Stormwater Regulation Program](#)

Municipal Stormwater Regulation Program

The Municipal Stormwater Regulation Program was developed in response to the U. S. Environmental Protection Agency's (USEPA) Phase II rules published in December 1999. The Department issued the final NJPDES stormwater rules on February 2, 2004 and four NJPDES general permits authorizing stormwater discharges from Tier A and Tier B municipalities as well as Public Complexes, and Highway Agencies that discharge stormwater from municipal separate storm sewers systems (MS4s) and have subsequently been renewed on a routine basis.

The Tier A permit authorizes stormwater discharges from most municipalities in New Jersey. Public Complexes include certain large public colleges, prisons, hospital complexes, and military bases. Highway Agencies include county, state, interstate, or federal government agencies that operate highways and other thoroughfares.

If you have questions regarding the MS4 General Permits, you may email your [case manager](#) or MS4 program at stormwatermanager@dep.nj.gov or call the Bureau's general line at 609-633-7021.

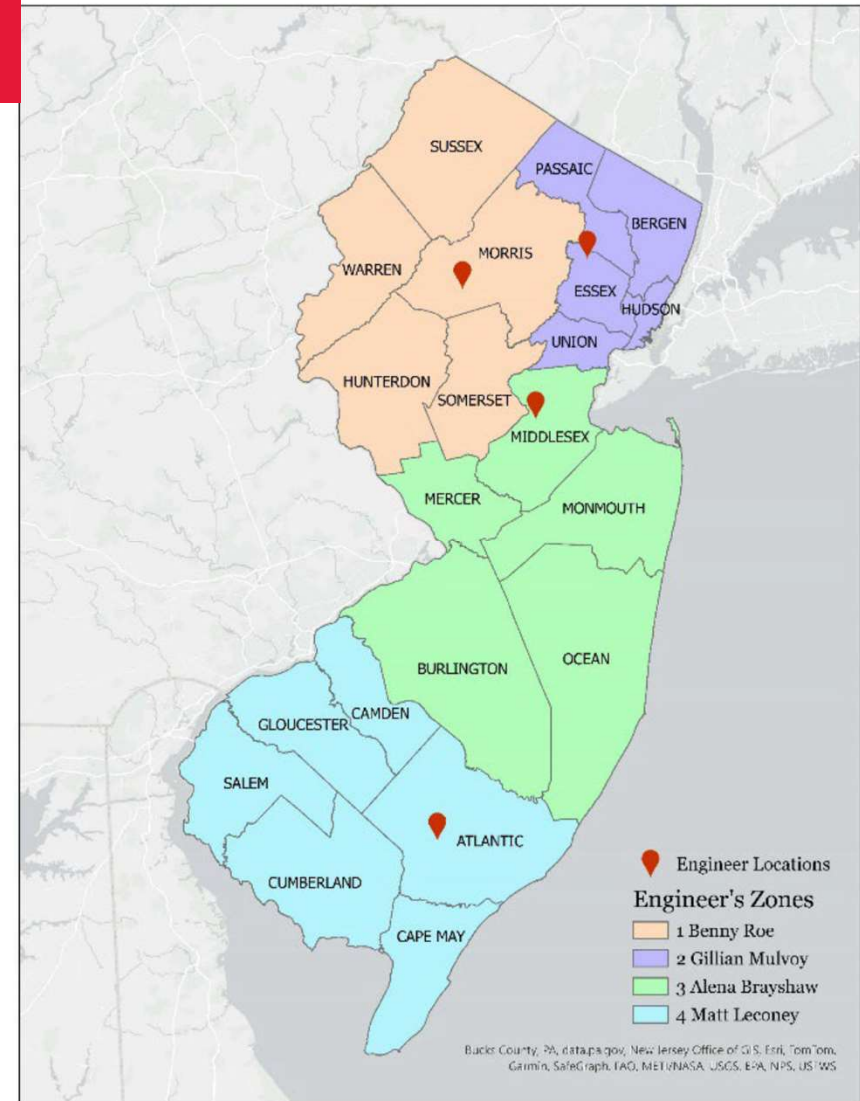
 <p>Tier A MS4 Stormwater Permit</p>	 <p>Public Complex MS4 Stormwater Permit</p>	 <p>Highway Agency MS4 Stormwater Permit</p>
 <p>Municipal Stormwater Mapping and Inventory Assistance</p> <p>The Department's mapping and inventory assistance tools are now available. See, mapping assistance.</p>	 <p>Total Maximum Daily Load (TMDL) Look-Up Tool</p> <p>The tool was developed to allow New Jersey's municipal stormwater program coordinators to quickly identify Total Maximum Daily Load (TMDL) information in relation to Municipal Separate Storm Sewer Systems.</p>	 <p>Case Manager List</p> <p>List of MS4 case manager list by county.</p>
 <p>Outreach Material</p> <p>A variety of tools (posters, handouts, commercials etc) for helping permittees with their Public Education and Outreach requirements.</p>	 <p>njstormwater.org</p> <p>This website list different training related to stormwater as well as the Best Practice Manual for technical stormwater assistant.</p>	 <p>Clean Water NJ</p> <p>Clean Water NJ is a dedicated webpage for the public to learn about the basics of stormwater and what each person can do to help keep NJ waters clean.</p>
 <p>Snow Removal Policy</p>	 <p>Beicing Storage Structure Policy</p>	 <p>Stormwater Program Coordinator Information Update Sheet</p>

<https://dep.nj.gov/njpdes-stormwater/municipal-stormwater-regulation-program/>

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
Northwest	Benny Roe	benny.roe@rutgers.edu
Northeast	Gillian Mulvoy	gillian.mulvoy@rutgers.edu
Central	Alena Brayshaw	alena.brayshaw@rutgers.edu
South	Matthew Leconey	matthew.leconey@rutgers.edu

MS4 Engineer's Zones



CONTACT US

Bureau of NJPDES
Stormwater Permitting
& Water Quality
Management



stormwatermanager@dep.nj.gov



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



[County Case Manager List](#)

MANDATORY EXIT SURVEY

Must complete to receive
your certification

EXIT SURVEY: SPC Training
03/26/2025

