

# Stormwater Pollution Prevention Plan

EWING TOWNSHIP

**Mercer County**

Permit Number NJG0154393

Annual Review Date: **June 30, 2023**

Stormwater Program Coordinator: Ryan Rollero, **DPW Director**

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## Form 1 – Team Members

<b>Stormwater Program Coordinator (SPC)</b>			
Name and Title		Ryan Rollero, Director of Public Works	
Phone	(609) 882-3382 Ext. 6321	Email	<a href="mailto:rrollero@ewingnj.org">rrollero@ewingnj.org</a>
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>			
Name and Title		Terence Vogt, PE, PP, CME Township Engineer	
Phone	(732) 955-8000 ext. 1709	Email	<a href="mailto:Terry.vogt@RVE.com">Terry.vogt@RVE.com</a>
<b>Other Municipal Stormwater Team Members</b>			
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
<b>Shared/Contracted Service Providers</b>			
Provider Name	Service Provided	Term of Service	

## Form 2 – Revision History

Revision Date	Form # Changed	Reason for Revision (Updates to staff, policy, webpage, etc.)
June 2005	1-17	Schoor DePalma Developed SP3
December 2020	TV	2018 MS4 Permit renewal revisions
June 2023	All	Update forms per 2023 MS4 Permit requirements.
May 2024	All	Updated to reflect 2023 Permit and New SPC

## Form 3 – Public Announcements

### Part IV.B. and C.

1. Provide the link to the dedicated stormwater webpage for your municipality.
<a href="https://ewingnj.org/stormwater-management">https://ewingnj.org/stormwater-management</a>
2. List the name and title of person(s) responsible for stormwater webpage postings/updates.
Julie Willmot Director of Communications
3. List the newspapers, social media outlets, websites, direct mailings (Email or postal), and other communication approaches typically used to inform/educate the public on stormwater program information and related events/activities.
<p>For meetings where public notice is required under the Open Public Meetings Act (“Sunshine Law,” N.J.S.A. 10:4-6 et. seq.), Ewing Township provides public notice in a manner that complies with the requirements of that Act. Also, regarding the passage of ordinances, Ewing Township provides public notice in a manner that complies with the requirements of N.J.S.A. 40:49-1 et. seq. In addition, for municipal actions (e.g., adoption of the municipal storm water management plan) subject to public notice requirements in the Municipal Land Use Law (N.J.S.A. 40:55D-1 et seq.), Ewing Township complies with those requirements. The social media platforms include Facebook, Instagram, and YouTube.</p>

# Form 4 – Post-Construction Stormwater Management in New Development and Redevelopment

## Part IV.E.

<p>1. How does the municipality define “major development”? If it is different from the definition in N.J.A.C. 7:8, explain the difference.</p>
<p>The Township’s General Ordinances, Chapter 215 - Stormwater Control defines “major development” in Section 215-D as follows:</p> <p>An individual "development," as well as multiple developments that individually or collectively result in 1) the disturbance of one or more acres of land since February 2, 2004; 2) the creation of one-quarter acre or more of "regulated impervious surface" since February 2, 2004; 3) the creation of one-quarter acre or more of "regulated motor vehicle surface" since March 2, 2021 {or the effective date of this chapter, whichever is earlier}; or 4) a combination of 2 and 3 above that totals an area of one-quarter acre or more. The same surface shall not be counted twice when determining if the combination area equals one-quarter acre or more.</p> <p>Major development includes all developments that are part of a common plan of development or sale (for example, phased residential development) that collectively or individually meet any one or more of paragraphs 1, 2, 3, or 4 above. Projects undertaken by any government agency that otherwise meet the definition of "major development," but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered "major development."</p>
<p>2. Is the municipality’s stormwater control ordinance (SCO) the same as or more stringent than NJDEP’s model SCO? If more stringent, explain the difference.</p>
<p>The Township’s Stormwater Control Ordinance (SCO) is the same as the NJDEP model SCO. A revised SCO will be adopted by the Township per the 2023 revisions provided by the NJDEP.</p>
<p>3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).</p>
<p>All Major development applications are reviewed on behalf of the applicable (Planning/Zoning) review Board to ensure that said designs conform with the NJ Storm water Rule. For projects maintained by DPW, all projects must meet DPW standards as well. For privately maintained projects, storm water maintenance plans are developed by the applicants’ design engineers and filed with Mercer County as per NJAC 7:8-5.</p>

<p>4. Does your municipality have a mitigation plan included in your Municipal Stormwater Management Plan and Stormwater Control Ordinance? Indicate the location of records of all variances granted.</p>
<p><i>No mitigation variances granted by Ewing Township through 9/30/2023.</i></p>
<p>5. Indicate the dates of each iteration of the township’s Stormwater Control Ordinance, starting with the initial adoption and including revisions.</p>
<p>The Township’s Stormwater Control Ordinance;  Original SCO 2-28-2006 (Ord; 06-08), Amended 3-10-2009 (Ord; 09-04), a revision to the Stormwater Control Ordinance was adopted on November 23 2023 (Ord 20-16).  The new SCO was adopted March 26, 2024 (Ord 24-05)</p>
<p>6. Indicate the dates of each iteration of the township’s Municipal Stormwater Management Plan, starting with the initial adoption and including revisions.</p>
<p>The Township’s Stormwater Management plan was adopted in June of 2005.</p>

## Form 5 – Ordinances

### Part IV.F.1.

Ordinance	Date Adopted	Was the DEP model adopted without change? If not, explain how the municipality's is more stringent.	Entity Responsible for Enforcement	Fees & Fines
1. Pet Waste	12/31/98	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
2. Wildlife Feeding	9/13/05	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
3. Litter Control	9/13/05	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
4. Improper Disposal of Waste	9/13/05	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
5. Yard Waste	9/13/05	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
6. Private Storm Drain Inlet Retrofitting	2/15/13	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
7. Stormwater Control Ordinance	2/28/2006	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
8. Illicit Connections	9/22/2005	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
9. Optional: Refuse Container / Dumpster Ordinance	2/15/13	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation
10. Privately-Owned Salt Storage	11/28/2023	Yes	Police, Code Enforcement	Fine of not less than \$50 nor more than \$1,000 per violation

11. Tree Removal- Replacement	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	\$ ___
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**List any additional stormwater-related ordinances the municipality has adopted that address issues beyond the scope of the MS4 permit. Include adoption date, entity responsible for enforcement, and related fees and fines.**

Ordinance Dumpster and Refuse Containers

**Indicate the location of records associated with ordinances and related violations and enforcement actions below.**

Ewing Township DPW  
2 Jake Garzio Drive  
Ewing, NJ 08628

OR  
<https://ewingnj.org/stormwater#ordinances>

## Form 6 – Street Sweeping

### Part IV.F.2.a.i. and ii.

1. Provide a written description and/or attach a map outlining the sweeping schedule for the following:

- Segments of municipal roads with storm drain inlets that discharge to surface water (required at least 3 times each year)
- Segments of municipal roads that do not have storm drain inlets but do discharge to surface water (required at least 1 time each year)

*Note: Only asphalt and concrete roads need to be swept. Roads that do not have storm drain inlets and do not discharge to surface water do not need to be swept.*

Ewing Township continues to use the **pre-existing, current MS4 municipal street sweeping requirements** (from previous permit cycles) **until January 1, 2026 (see below).**

Ewing Township sweeps, at a minimum of once per month the following streets that meet all of the following criteria: (1) the street is owned or operated by the municipality; (2) the street is curbed and has storm drains; (3) the street has a posted speed limit of 35 miles per hour or less; (4) the street is not an entrance or exit ramp; and (5) the street is in a predominantly commercial area. The following roads are swept at a minimum of once a month:

**Beginning January 1, 2026** – Ewing Township will initiate (permit minimum) Triannual Street Sweeping of all segments of concrete and / or asphalt roads that are owned or operated by Ewing Township and have storm drain inlets that discharge to surface water. Sweeping is not required for gravel, dirt, or tar and chip roads.

**Beginning January 1, 2026** - Ewing Township will initiate (permit minimum) Annual Street Sweeping of all segments of concrete and/ or asphalt roads that are owned or operated by Ewing Township and do not have storm drain inlets that discharge to surface water. Sweeping is not required for gravel, dirt, or tar and chip roads.

2. Indicate if sweeping work is outsourced and if so, describe the arrangement.

Street sweeping is conducted by the Ewing Township Department of Public Works.

## Form 7 – MS4 Infrastructure

### *Part IV.F.2-4. and Part IV.G.2-3.*

#### **1. Municipal Storm Drain Inlets**

- a. Describe how you ensure that municipal inlets without permanent wording cast into the design have been properly labelled.
- b. Describe how you ensure that municipal and private storm drain inlets have been retrofitted.
- c. Describe how you ensure that newly installed storm drain inlets include corresponding catch basins or other BMPs to collect solids.
- d. Describe when and how you conduct inspections of storm drain inlets and the criteria used to determine when they need to be cleaned.

- A. All pre-existing municipally owned and operated inlets have been labelled or have “no dumping -drains to waterway” type labels cast or imprinted on the inlets. The Township inspects and maintains these inlets as part of its MS4 maintenance responsibilities.
- b. Ewing Township (Ordinance 20-16) requires that all municipally owned storm drain inlets be retrofitted with a NJDOT bicycle safe grate or a grate that has an area no more than seven (7.0) square inched, and no greater than 0.5 inches across the smallest dimension in conjunction with any project that includes new development, road repaving, road reconstruction, or inlet infrastructure repairs. Records available upon request. Stormwater Site Plans from privately owned facilities are submitted to the Public Works Department annually. Site Plans include planning, maintenance, repairs, and retrofitting to privately owned storm drain inlets. The Public Works Department inspects privately owned inlets, and the Code Enforcement Department handles retrofitting specifications and compliance.
- c. The Township Engineer checks the plans for road projects and major developments to verify that a catch basin or some sort of BMP to capture solids is included with, or downstream of, the affected storm-drain inlets.
- d. Ewing inspects all storm drains that it owns or operates. At a minimum, Ewing shall inspect a minimum of 20% of the total per year, rotating the schedule in such a way that all catch basins are inspected at least once every five years on approximately the same frequency.

**All Township owned and maintained inlets will be retrofitted by or before the December 2027 MS4 deadline.**

**2. Municipal Catch Basins**

- a. Describe when and how you conduct inspections of catch basins.
- b. Describe the criteria used to determine when catch basins need to be cleaned.

- a. Ewing inspects all municipally owned and operated storm drains at least once per year. Ewing developed, updated, and implemented a storm drain catch basin cleaning and maintenance program. The program shall establish the conditions under which a storm catch basin must be cleaned, and maintenance performed.
- b. Cleaning and maintenance shall be conducted, at a minimum, as frequently as necessary to ensure that sediment, trash, or other debris is removed as necessary to restrict it from entering the waters of the State; to eliminate recurring problems. and maintain proper function.

Ewing inspects all catch basins that it owns or operates. At a minimum, Ewing shall inspect a minimum of 20% of the total per year, rotating the schedule in such a way that all catch basins are inspected at least once every five years on approximately the same frequency.

Inspection records are compiled using ARCGIS and can be made available upon request.

**3. Municipal Conveyance System**

Describe when and how inspections of MS4 conveyance systems are conducted, and the criteria used to determine when they need to be cleaned. Include a description of the equipment and techniques used.

The Township of Ewing has developed, implemented and updated an MS4 conveyance system inspection, cleaning and maintenance program including municipally owned and operated ditches and pipes.

The Township of Ewing inspects all stormwater infrastructure excluding storm drain inlets, catch basins, piping and other conveyances at least four (4) times per year and after each rainstorm exceeding 1” of rainfall.

The Township of Ewing performs necessary maintenance of all stormwater infrastructure excluding storm drain inlets, catch basins, piping and other conveyances per approved maintenance plans or more frequently as needed to ensure proper function and operation.

Conventional stormwater conveyance system inspections are visual, at a frequency above and as-needed periodic inspections. At the discretion of the Township, video of underground conveyance systems may be performed on a case-by-case basis to determine the cause(s) of malfunction drainage infrastructure.

#### **4. Municipal Outfall Inspections – Stream Scouring**

Describe the program in place to detect, investigate, and control localized stream scouring from stormwater outfalls. Include a description of the equipment and techniques used.

The Township of Ewing has developed and implemented a Stream Scouring program which includes the following measures:

- i. Inspect each MS4 outfall that discharges to a stream, and the surrounding area in the vicinity of the MS4 outfall, for localized scouring of the stream banks or bottom caused by the outfall. Each outfall shall be inspected at least once every five years, with a minimum of 20% of the total number of outfalls.
- ii. Inspect, within 30 days of identification, any new and/or newly identified outfalls as required in i. above for localized scouring of the stream banks or bottom caused by the outfall;
- iii. Investigate, within 30 days of receipt, all complaints and reports of stream scouring;
- iv. When localized stream scouring is detected, identify sources of stormwater that contribute to the scouring from the outfall within 3 months;
- v. Where identified sources are located on property owned or operated by the permittee, corrective action shall be taken by the permittee to reduce stormwater rate or volume when feasible;
- vi. Where identified sources are within the jurisdiction of the permittee, but not located on property owned or operated by the permittee, the permittee shall ensure that proper operation and maintenance of stormwater facilities is performed by the entity responsible for the facility as required in Part IV.F.4;
- vii. Prioritize, schedule and complete remediation of identified localized stream scouring as soon as possible, acting based upon the requirements above. If not able to be completed within 12 months, a schedule for completion shall be submitted to the MS4 Case Manager before the 12-month deadline. (See [https://www.nj.gov/dep/dwq/msrp\\_managers.htm](https://www.nj.gov/dep/dwq/msrp_managers.htm)). This schedule of completion shall be maintained with updated information and provided to the MS4 Case Manager on a quarterly basis until completion as required in Part IV.F.3 and IV.F.4;
- viii. All stream scouring restoration shall be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey at N.J.A.C. 2:90-1 (e.g., Conduit Outlet Protection 12-1) and the requirements for bank stabilization and channel restoration found at N.J.A.C. 7:13;

### **5. Municipal Outfall Inspections – Illicit Discharge Detection and Elimination**

Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfalls. Include a description of the equipment and techniques used. Record cases of illicit discharges using the DEP’s Illicit Connection Inspection Report Form from the Department’s main stormwater webpage.

Ewing Township implemented the following program to detect, investigate and enforce an ongoing Illicit Discharge Detection and Elimination Program in accordance with Ewing’s MS4 permit. This program shall be documented in the written SPPP). **As part of this program, Ewing Township shall perform the following tasks:**

1. Ewing will conduct visual dry weather inspection of all outfall pipes owned or operated by the Township at least once every five years to determine if dry weather flow or other evidence of illicit discharge is present. Dry weather flow is flow occurring 72 hours after a rain event.
2. Ewing Township will investigate the source if evidence of illicit discharge is found and;
  - a. Eliminate non-stormwater discharges that are traced to their source and found to be illicit connections;
  - b. Document investigations and actions taken using the Department’s Illicit Connection Inspection Report Form;
  - c. Inspect any outfall pipes newly identified in compliance with Part IV.B.6.a for illicit discharges;
  - d. Investigate dry weather flows discovered during routine inspection and maintenance of other elements of the MS4; and
  - e. Investigate, within three months of receipt, complaints and reports of illicit connections including those from operating entities of interconnected MS4s.
3. Ewing Township has adopted and will enforce an ordinance that prohibits illicit connections to the municipal separate storm sewer system operated by the Township.
4. Ewing Township shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for MS4 Outfall Pipe Mapping, and Illicit Discharge and Scouring Detection and Control specified for Existing Permittees (Measurable Goals and Implementation Schedule).

## 6. Other Municipal Infrastructure

List the types of MS4 infrastructure in your town that require inspection but are not noted above in items 1-5. Describe when and how you conduct inspections of this infrastructure and the criteria used to determine when they need to be maintained and/or cleaned.

*Where existing/proposed* – the Township of Ewing shall inspect and maintain “other” municipal infrastructure as follows:

Infiltration Basins – DPW staff will perform inspections according to maintenance plans that were approved by the Township for major development projects. If an approved maintenance plan is not available, we typically adopt the suggested maintenance plan from the Department’s BMP Manual.

Updates may be made to the maintenance plan based on the Department’s online guidance and in-person observations of the BMP’s functionality over time. Any trash or debris gets cleaned up on the spot.

Manufactured Treatment Devices (MTDs) – When and if installed, the DPW staff will perform MTD inspections according to the manufacturer’s maintenance plans that were approved by the township for the major development. Maintenance is conducted more frequently as needed if the functionality of the MTD declines. MTD inspections involve removal of the covering to examine the interior of the structure. **NOTE: The township currently has no MTD’s in use.**

## 7. Stormwater Facilities Not Owned or Operated by the Municipality

Describe your program for ensuring adequate long-term cleaning, operation, and maintenance of stormwater facilities not owned or operated by the municipality. This should include your plan for ensuring annual inspections are being done on these private properties and describe how you record the locations and logs associated with private infrastructure.

**Private stormwater facilities owners will receive letters requiring that they are inspected and are required to submit an annual stormwater facility maintenance plan inspection report to the township. Records are held at the Township municipal building.**

## 8. Infrastructure Records

Indicate the location of records related to stormwater infrastructure inspection, cleaning, maintenance, and repair activities.

Ewing Township keeps an inventory list of all stormwater infrastructure (municipal and private) with records of inspections, cleanings, routine maintenance work, investigations of illicit connections and scouring near outfalls, and repairs that have been done as well as those projected for completion each year. These records are kept in the DPW office.

All inspection and maintenance logs are taken using Survey 123 and ARC GIS and can be presented upon request. Records are held at the Township municipal building.

## Form 8 – Community-wide Measures

### Part IV.F.2.

#### 1. Herbicide Application Management

Describe your program for preventing herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation.

**If Ewing elects to use herbicides in the future,** the Township shall restrict the application of herbicides to prevent herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation. At a minimum, the permittee shall: (1) not apply herbicides on or adjacent to storm drain inlets, or on steeply sloping ground; (2) only apply herbicides along curb lines and unobstructed shoulders that contain unwanted vegetation; and (3) only apply herbicides within a 2-foot radius around structures where overgrowth presents a safety hazard and where it is unsafe to mow.

#### 2. Excess De-icing Material Management

Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.

Ewing Township DPW staff are trained to shovel up excess salt piles that remain on all municipally owned or operated roadways and parking areas within three days (72 hours) after a storm is over, conditions permitting. The salt is collected in a covered trash bin on the truck and the salt is reused during the next storm.

#### 3. Roadside Vegetative Waste

Describe your program for ensuring proper pickup, handling, storage, and disposal of wood waste and yard trimmings generated by the permittee along municipal roads or on municipal properties (trimming trees, mowing, etc.).

DPW staff use mulching lawn mowers in most areas. Tree branches that result from trimming activities are also collected and brought back to the maintenance yard. The materials are removed semiannually based on volume collected.

#### 4. Roadside Erosion Control

Describe your program to detect and repair erosion along municipal roadways.

As DPW staff perform annual storm drain inlet inspections as noted above, they also check for erosion of shoulders, embankments, ditches, and soils along roads. If they notice any such erosion or sedimentation collecting in areas, including in the waters

near the road, they log it in the maintenance schedule and fix the issue within three months. We either plant vegetation or use other methods, such as riprap in areas prone to erosion along roads to promote soil stabilization as described in the Standards for Soil Erosion and Sediment Control. We will contact our Township engineer for guidance for cases where planting will not remedy this issue.

# Form 9 – Municipal Maintenance Yards & Other Ancillary Operations

## Part IV.F.5.

*Please complete a separate Form 9 for each yard or site. Indicate the number of yards/sites the municipality owns or operates: 1 of 2*

<b>1. Site Name and Address</b>	
Ewing Township 136 Scotch Road Ewing NJ 08701	
<b>2. Monthly Site Inspections</b>	
Describe the nature of inspections conducted at this site and the location of inspection logs.	
The required inspections are conducted. The logs are located at the site.	
<b>3. Inventory List</b>	
List all materials and machinery that are potentially exposed to stormwater.	
<b>Materials</b>	<b>Machinery/Equipment</b>
Waste Materials: Trash Dumpsters, Electronics Recycling	Trucks; Sweeper, Vac Truck, Dump Trucks, Pickup trucks, Trailers, Bucket Trucks
By-products:	
Fuel: N/A •	
<b>4. Discharge of Stormwater from Secondary Containment</b>	
Describe the process in place for discharging stormwater from secondary containment areas where outdoor containers are stored.	
All dumpsters used to contain materials will be covered with a 10-mil tarp per the standard when containing materials.	

<p><b>5. Fueling Operations</b> Does fueling occur on site? If so, describe the BMPs in place to minimize contamination of stormwater from fueling activities. If not, explain where fueling takes place.</p>
<p>Ewing uses Standard Operating Procedures (SOP) to address vehicle fueling. Fueling is performed at a School Board operated facility.</p>
<p><b>6. Vehicle/Equipment Maintenance and Repair</b> Do you perform maintenance and repair on site? Is this conducted indoors or outdoors? If outdoors, describe the BMPs in place to minimize contamination of stormwater from maintenance and repair activities.</p>
<p>Ewing uses the following Standard Operating Procedures (SOP) to address vehicle maintenance (see (a-b), below):</p> <ol style="list-style-type: none"> <li>a. Operate and maintain equipment to prevent the exposure of pollutants to storm water.</li> <li>b. Whenever possible, conduct vehicle and equipment maintenance activities indoors. For projects that must be conducted outdoors, and that last more than one day, portable tents or covers shall be placed over the equipment being serviced when not being worked on, and drip pans shall be always used. Use designated areas away from storm drains or block storm drain inlets when vehicle and equipment maintenance is being conducted outdoors.</li> </ol>
<p><b>7. Wash Wastewater Containment</b> Do you wash vehicles on site? If so, describe the BMPs in place to minimize contamination of stormwater from these activities. Note that on site containment structures require annual inspections by a NJ licensed professional engineer. If not, explain where vehicle washing takes place.</p>
<p>Ewing Township does not wash vehicles on-site. Rinsing is performed after snow operations.</p>
<p><b>8. Salt and Other Granular De-icing Materials</b> Do you store salt and other granular deicing materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>Materials are stored to minimize runoff during normal operations. Materials are covered or secured in a barn structure.</p>

<p><b>9. Aggregate Material, Wood Chips, and Finished Leaf Compost</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>Materials are stored and composted per approved Class C General Permit at a leased location adjacent to the MCIA transfer station.</p>
<p><b>10. Cold Patch Asphalt</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>No materials are stored on site. As materials are needed, they are picked and utilized.</p>
<p><b>11. Street Sweepings and Storm Sewer Cleanout Materials</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>No materials are stored on site. As the materials are collected, they are transported and disposed of at the MCIA Transfer Station.</p>
<p><b>12. Construction and Demolition Waste, Wood Waste, and Yard Trimmings</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>Ewing does not store these materials on this site.</p>
<p><b>13. Scrap Tires</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p><i>If/when stored</i>, all scrap tires are stored indoors (or covered with tarp to prevent contact with stormwater) until removed and disposed/recycled offsite.</p>
<p><b>14. Inoperable Vehicles and Equipment</b> Do you store inoperable vehicles or equipment on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater. If not, explain where they are stored.</p>
<p><i>If/when Ewing Township</i> stores inoperable vehicles onsite, we stabilize drip pans and tarps to prevent stormwater run-on and run-off. Any equipment vehicles that are stored are also inspected monthly.</p>

## Form 9 – Municipal Maintenance Yards & Other Ancillary Operations

### Part IV.F.5.

*Please complete a separate Form 9 for each yard or site. Indicate the number of yards/sites the municipality owns or operates: 2 of 2*

<b>1. Site Name and Address</b>	
Ewing Township MCI Leased Site 1609 N. Olden Avenue Ewing NJ 08638	
<b>2. Monthly Site Inspections</b>	
Describe the nature of inspections conducted at this site and the location of inspection logs.	
The required inspections are conducted. The logs are located at 136 Scotch Road.	
<b>3. Inventory List</b>	
List all materials and machinery that are potentially exposed to stormwater.	
<b>Materials</b>	<b>Machinery/Equipment</b>
Raw Materials: <ul style="list-style-type: none"> <li>• Brush and Leaves</li> </ul>	
<b>4. Discharge of Stormwater from Secondary Containment</b>	
Describe the process in place for discharging stormwater from secondary containment areas where outdoor containers are stored.	
N/A	
<b>5. Fueling Operations</b>	
Does fueling occur on site? If so, describe the BMPs in place to minimize contamination of stormwater from fueling activities. If not, explain where fueling takes place.	
N/A	
<b>6. Vehicle/Equipment Maintenance and Repair</b>	
Do you perform maintenance and repair on site? Is this conducted indoors or outdoors? If outdoors, describe the BMPs in place to minimize contamination of stormwater from maintenance and repair activities.	
N/A	

<p><b>7. Wash Wastewater Containment</b> Do you wash vehicles on site? If so, describe the BMPs in place to minimize contamination of stormwater from these activities. Note that on site containment structures require annual inspections by a NJ licensed professional engineer. If not, explain where vehicle washing takes place.</p>
N/A
<p><b>8. Salt and Other Granular De-icing Materials</b> Do you store salt and other granular deicing materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
N/A
<p><b>9. Aggregate Material, Wood Chips, and Finished Leaf Compost</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
Yes. Materials are stored and composted per an approved Class C General Permit at a leased location adjacent to the MCIA Transfer Station.
<p><b>10. Cold Patch Asphalt</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
N/A
<p><b>11. Street Sweepings and Storm Sewer Cleanout Materials</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
N/A
<p><b>12. Construction and Demolition Waste, Wood Waste, and Yard Trimmings</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
N/A

<b>13. Scrap Tires</b>
Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.
N/A
<b>14. Inoperable Vehicles and Equipment</b>
Do you store inoperable vehicles or equipment on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater. If not, explain where they are stored.
N/A

## Form 10 – Training

### *Part IV.F.6-10.*

<b>Stormwater Program Coordinators</b>
Describe the training provided for the municipal Stormwater Program Coordinator.
The Stormwater Program Coordinator (SPC) for Ewing Township attends NJDEP training every permit cycle. Training covers the SPC responsibilities, permit conditions, annual reporting, and required submissions and documentation.

<b>Topic</b>	<b>Municipal Employees</b>
	Examples: in-person or virtual group sessions, e-Learning, field trainings, and videos
	Describe the training provided for municipal staff.
SPPP	<p>Ewing Township trains staff whose job duties support the stormwater program. Training on the site-specific details in the SPPP, review MS4 permit requirements, and record-keeping is conducted annually via combined in-person/virtual training.</p> <p>This and all these training modules listed below are also recorded and made available for informational purposes for staff to re-review certain material presented, and for any absent or new staff, or staff that takes on new responsibilities prior to the next training session.</p>

Construction Site Stormwater Runoff	Staff who are responsible for inspections of construction projects that disturb one acre of soil or more, are trained annually on related MS4 permit conditions. Property owners must obtain a 5G3 permit from NJDEP prior to commencement of construction activities and must comply with their approved soil erosion and sediment control plan.
Post-Construction Stormwater Management in New and Redevelopment	Staff who are responsible for implementing stormwater permit requirements receive an annual review of the fundamentals of the municipality's postconstruction stormwater management program to address stormwater runoff. Training explains the municipality's definition of major development and the interconnection among the Stormwater Management rules at N.J.A.C. 7:8, Ewing Township's SCO, stormwater permit conditions, the Department's BMP Manual, and Guidance Documents. For example, we identify where the Department's maintenance guidance is available on the website for DPW staff reference when an approved maintenance plan does not exist.
Community-wide Ordinances	Staff who are responsible for approving and/or enforcing stormwater-related ordinances receive annual training on related MS4 permit conditions and review the purpose of each ordinance and what steps to take if violations are reported.
Community-wide Measures	Staff who are responsible for conducting activities associated with communitywide stormwater management measures attend annual training to discuss the MS4 permit requirements and town specific measures employed to comply with the street sweeping, storm drain inlets (labeling, retrofitting, and installations), herbicide application, de-icing operations, roadside vegetative waste, and roadside erosion control requirements. Information is also presented regarding current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.
Stormwater Facilities Maintenance	Staff responsible for conducting activities associated with inspections, maintenance and repair of stormwater infrastructure attend annual training on the MS4 related permit requirements. This training details what infrastructure is to be maintained according to approved manufacturers' maintenance plans, versus the remaining infrastructure that is to be maintained according to the NJDEP's BMP Manual.  Training also includes requirements for current BMPs, safety equipment and procedures, frequency of activities, and proper documentation of work. All types of stormwater infrastructure in the Township are addressed in the training, which includes but is not limited to storm drain

	inlets, catch basins, piped and open swale MS4 conveyances, stormwater infiltration basins, and manufactured treatment devices.
Municipal Maintenance Yards and Other Ancillary Operations	Staff who are responsible for conducting activities associated with our municipal maintenance yard and salt yard attend annual training to discuss related MS4 permit conditions, current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.
MS4 Mapping	Our Township Engineer (RVE) who prepares and submits our electronic mapping of stormwater infrastructure attends State of the Art (SOTA) training to review the MS4 permit requirements for electronic mapping.
Outfall Stream Scouring	Staff who are responsible for conducting inspections and repairs of stormwater outfalls attend annual training to discuss how to identify, remediate, and document cases of stream scouring as described in the MS4 permit. Training also includes current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.
Illicit Discharge Detection and Elimination	Staff who are responsible for conducting inspections and repairs of stormwater outfalls attend annual training to discuss how to identify, remediate, and document cases of illicit discharge as described in the MS4 permit. Training also includes current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.

<b>Stormwater Management Design Reviewers</b>	
Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.	
Individuals who review and approve stormwater management designs for major developments on behalf of the municipality are required under the MS4 permit to attend the mandatory NJDEP Stormwater Management Design Review course at least once every 5 years. They are required by the MS4 permit to also attend mandatory NJDEP training on amendments to the stormwater management rules at N.J.A.C. 7:8.	

<b>Municipal Board and Governing Body Members</b>	
Describe the training provided for members of the planning/zoning board and municipal council.	

Within 6 months of joining town council or the planning or zoning board, each member is required under the MS4 permit to watch the NJDEP video titled, Asking the Right Questions in Stormwater Review [https://nj.gov/dep/stormwater/asking\\_the\\_right\\_questions.html](https://nj.gov/dep/stormwater/asking_the_right_questions.html).

Each term thereafter, members are required to watch another NJDEP video from the choices provided on the stormwater training webpage:

Stormwater Management Rules Applicability <https://nj.gov/dep/stormwater/training.htm>

Stormwater Management Rules Planning <https://nj.gov/dep/stormwater/training.htm>

Stormwater Management Rules Design & Performance  
<https://nj.gov/dep/stormwater/training.htm>

Stormwater Management Rules Safety <https://nj.gov/dep/stormwater/training.htm>

Stormwater Management Through General Permit for MS4s  
<https://nj.gov/dep/stormwater/training.htm>

### **Training Records**

Indicate the location of training records for the above required training.

Logs of all training including the type of training, date conducted, attendees and trainers are kept in the DPW Director's office.

# Form 11 – MS4 Mapping

## Part IV.G.1.

1. Provide a link to the most current MS4 outfall/infrastructure map.	
<a href="https://ewingnj.org/stormwater#outfalls">https://ewingnj.org/stormwater#outfalls</a>	
2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).	
a. MS4 outfalls	<b>116</b>
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	To be determined (TBD)
c. MS4 interconnections	TBD
d. MS4 storm drain inlets	<b>2314</b>
e. MS4 manholes	<b>343</b>
f. Length of conveyance (channels, pipes, ditches, etc.)	TBD
g. MS4 pump stations	TBD
h. MS4 stormwater facilities (any that are not listed above)	TBD
i. Maintenance yard(s) and other ancillary operations	TBD
3. Describe how the municipality’s outfall/infrastructure map is reviewed and updated to reflect any new or newly identified MS4 infrastructure (e.g., an outfall is closed, a new basin is constructed, ownership of an outfall has changed, etc.).	
<p>By January 1, 2026, Ewing Township shall develop and maintain an MS4 Infrastructure Map which delineates the location of the following stormwater features that are owned or operated by the Township, including their associated attributes noted in parentheses:</p> <ul style="list-style-type: none"> <li>• MS4 outfalls (receiving surface water name, type of outfall);</li> <li>• MS4 groundwater discharge points (type);</li> <li>• MS4 Interconnections (type into/from, entity);</li> <li>• Storm Drain inlets (type, catch basin present, label presented, retrofitted);</li> <li>• MS4 manholes;</li> <li>• MS4 conveyances (type, direction of flow);</li> <li>• MS4 pump stations;</li> <li>• Stormwater facilities (type); and</li> <li>• Property boundaries of maintenance yards and other ancillary operations (and type).</li> </ul> <p>DPW staff shall coordinate with the Township Engineer every year to discuss any new major development projects happening around town throughout the year. All infrastructure being built for those projects are then mapped by the Township Engineer (RVE), and the corresponding data is submitted to our MS4 Case Manager.</p>	
4. Describe how the municipality will create and update its MS4 Infrastructure Map.	

We plan to continue working with the Township Engineer (RVE) to complete the MS4 Infrastructure Map. Their staff will work with our DPW staff to locate and map all stormwater infrastructure around town until all infrastructure is mapped. DPW staff will then convert all data into Shape files and submit it to our MS4 Case Manager before the mapping deadline of January 1, 2026.

## Form 12 – Watershed Improvement Plan

### Part IV.H.

#### 1. Describe how your municipality is developing its Watershed Improvement Plan.

Ewing Township is gathering data to meet the requirements for phase 1, Watershed Inventory Report, which is due and will be posted on our stormwater webpage by 01/01/2026.

We have been expanding on our stormwater infrastructure map to include these requirements. We have included the Ewing Township Environmental Commission and other stakeholders in our discussions to identify opportunities for public participation and education sessions.

Ewing Township shall develop a Watershed Improvement Plan in **the three phases** specified below that describes what actions the permittee will take to:

- i. Improve water quality by reducing the contribution of pollutant parameters for all receiving waters within and bordering the town that have percent reductions listed for stormwater in the Total Maximum Daily Loads (see the TMDL Look-up Tool at <https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm>);
- ii. Improve water quality by reducing the contribution of pollutant parameters for all receiving waters within and bordering the town that have water quality impairments as per the Department’s Integrated Report.  
(See the 303(d) list portion of the Department’s Integrated Report at [https://www.epa.gov/sites/default/files/2020-01/documents/2016\\_final\\_integrated\\_report\\_appendix\\_b.pdf](https://www.epa.gov/sites/default/files/2020-01/documents/2016_final_integrated_report_appendix_b.pdf)); and
- iii. Reduce and/or eliminate stormwater flooding in the municipality, prioritizing the areas of flooding for corrective actions based on threat to human health and safety, environmental impacts, and frequency of occurrence.

Ewing Township shall solicit input from stakeholders, including residents, business owners, owners of private stormwater facilities (as per b.xiii below), and other municipalities and/or dischargers to the sub watershed(s) to be involved in the Plan development process.

Ewing Township shall conduct semi-annual public information sessions (in-person or virtual) beginning on or before Jan. 1, 2026, throughout the development of the Plan. These sessions could be included on the agenda for town council (or equivalent) meetings.

Ewing Township shall prepare and submit to the Department, on or before January 1, 2026, the Watershed Inventory Report, as **the first phase** of the Watershed Improvement Plan, which shall summarize and include an electronic map of the items listed below. The permittee may use any information available from the Department’s GIS database at [Ewing Township / Mercer / NJPDES #NJG0154393 / May 30, 2024](https://gisdata-</a></p></div><div data-bbox=)

njdep.opendata.arcgis.com/ to assist with the preparation of this Report, except for items ii. through vi. For i., existing permittees shall use the outfall pipe map as the base map:

- i. All stormwater outfalls owned/operated by the permittee;
- ii. The drainage area for each outfall(s);
- iii. The receiving waterbodies of those outfalls;
- iv. The water quality classification of all receiving waterbody segments;
- v. All stormwater interconnections from the municipality into another entities' storm or sanitary sewer system;
- vi. The drainage area for each interconnection into another entities' storm or sanitary sewer system;
- vii. All stormwater connection points into the municipality from another entities' storm sewer system;
- viii. All storm drain inlets owned/operated by the permittee;
- ix. Area associated with each TMDL for waters that lie within or bordering the municipality;
- x. Area associated with each water quality impairment for waters that lie within or bordering the municipality;
- xi. Overburdened communities;
- xii. Impervious areas; and
- xiii. The location and ownership of all stormwater outfalls and basins/infrastructure not owned/operated by the permittee.

Ewing Township shall prepare and submit to the Department, on or before January 1, 2027, the **second phase** Watershed Assessment Report, which shall include, but not be limited to:

- i. An assessment of potential water quality improvement projects by sub-watershed and parameter;
- ii. An estimate of the percent reduction in loading of the TMDL/impaired parameters due to project(s) in i. above;
- iii. A summary of feedback from public information sessions;
- iv. An estimate of funding needs for each project, and identification of potential funding sources, including the New Jersey Water Bank (NJWB); the formation of an SWU, using 319 grants, FEMA BRIC grants; and
- v. An estimate of an implementation schedule.

Ewing Township shall post the Watershed Assessment Report, along with an announcement of a 60-day comment period for formal public input on its municipal website.

Ewing Township shall prepare and submit to the Department, on or before December 1, 2027, the **final phase** Watershed Improvement Plan Report, which shall include:

- i. A summary of proposed locations and load reductions of water quality improvement projects, both public and private, to be implemented;

ii. A summary of the public comments received, and the changes made to the Final Plan;

iii. A summary of how the projects will be coordinated with other regulatory requirements, such as:

- flood protection;
  - endangered habitat/species;
  - surface & ground drinking water protection;
  - climate change/resiliency;
  - green infrastructure/SWM requirements;
  - wildlife corridors;
  - green acres;
  - environmental justice;
  - wetlands;
  - riparian buffers;
  - forest corridors;
  - related ongoing projects;
- and
- Delaware River Basin Commission.

iv. The proposed implementation schedule for the water quality improvement projects;

v. A schedule of the public information sessions to be held;

vi. Problems identified that are outside the jurisdiction of the permittee, if any. These can be related to pollutant loading due to agricultural properties, or other lands not under the jurisdiction of the municipality, and opportunities to address them;

vii. Costs, broken down by project and year, the funding opportunities that will be sought; and

viii. This plan shall describe how stormwater related problems in overburdened communities have been prioritized.

Ewing Township shall begin implementation of the Watershed Improvement Plan in accordance with the schedule set forth in the Plan.

Ewing Township shall update this Plan, when necessary, based upon the biennial (every 2 years) review of the revisions to the impairments of the permittee's waterbodies as per the Department's Integrated Report and newly adopted TMDLs.

2. Describe any regional projects or collaboration efforts with other municipalities.
No regional projects or collaborative efforts are proposed at this time.
3. Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.
Logs of all comments received during public information sessions and minutes from meetings will be kept in the municipal clerk's office.