

# **STORMWATER POLLUTION PREVENTION PLAN**

## **Tier A Municipal Stormwater General Permit**

**Township of North Brunswick  
Middlesex County  
NJPDES #: NJG0153117  
PI ID #: 197730**

**Effective Date of Permit Authorization (EDPA): April 1, 2004  
Last Amended: August 16, 2023**



**Consulting & Municipal  
ENGINEERS**

## **SPPP Table of Contents**

Form 1 – Team Members

Form 2 – Revision History

Form 3 – Public Announcements (Part IV.B. and C.)

Form 4 – Post-Construction Stormwater Management in New Development and Redevelopment  
(Part IV.E.)

Form 5 – Ordinances (Part IV.F.1.)

Form 6 – Street Sweeping (Part IV.F.2.a.i. and ii.)

Form 7 – MS4 Infrastructure (Part IV.F.2-4 and Part IV.G.2-3.)

Form 8 – Community-wide Measures (Part IV.F.2.)

Form 9 – Municipal Maintenance Yards & Other Ancillary Operations (Part IV.F.5.)

Form 10 – Training (Part IV.F.6-10.)

Form 11 – MS4 Mapping (Part IV.G.1.)

Form 12 – Watershed Improvement Plan (Part IV.H.)

## Form 1 – Team Members

Stormwater Program Coordinator (SPC)			
Name and Title			
Phone		Email	
Individual(s) Responsible for Major Development Project Stormwater Management Review			
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
Other Municipal Stormwater Team Members			
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
Shared/Contracted Service Providers			
Provider Name	Service Provided	Term of Service	



**Form 3 – Public Announcements**  
*Part IV.B. and C.*

1. Provide the link to the dedicated stormwater webpage for your municipality.
2. List the name and title of person(s) responsible for stormwater webpage postings/updates.
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.

**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>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>3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).</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>5. Indicate the dates of each iteration of the township's Stormwater Control Ordinance, starting with the initial adoption and including revisions.</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>

**Form 5 – Ordinances**  
*Part IV.F.1.*

<b>Ordinance</b>	<b>Date Adopted</b>	<b>Was the DEP model adopted without change? If not, explain how the municipality's is more stringent.</b>	<b>Entity Responsible for Enforcement</b>	<b>Fees &amp; Fines</b>
1. Pet Waste			Township Police Department and/or the Board of Health	\$500
2. Wildlife Feeding			Township Police Department and/or the Department of Public Works	\$5
3. Litter Control			Township Police Dept., Dept. of Public Works, and the Dept. of Parks, Recreation, and Community Services	\$200 Max
4. Improper Disposal of Waste			Township Police Department and the Department of Public Works	\$2,000 Max
5. Yard Waste			Department of Public Works	\$500 Max
6. Private Storm Drain Inlet Retrofitting			Community Development and the Code Enforcement Office	\$500 Max
7. Illicit Connections			Township Police Department and the Department of Public Works	\$500 Max
8. Privately-Owned Salt Storage				\$ ___
9. Tree Removal- Replacement		No. The current ordinance states that a percentage of trees to be removed from the site shall be replaced with a percentage of those trees removed, and trees of a specific height shall be replaced with a certain number of trees depending on the height of the removed tree. The model NJDEP ordinance states that for every tree up to a given height, a certain number of trees with a minimum diameter breast height (DBH) shall be provided as a replacement tree.	Planning Board and Zoning Board	\$N/A
<b>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.</b>				
<b>Indicate the location of records associated with ordinances and related violations and enforcement actions below.</b>				



## 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.*

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

## 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.

### **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.

**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.

**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.

**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.

**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.

**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.

**8. Infrastructure Records**

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

## Form 8 – Community-wide Measures

### *Part IV.F.2.*

<p><b>1. Herbicide Application Management</b> Describe your program for preventing herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation.</p>
<p><b>2. Excess Deicing Material Management</b> Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.</p>
<p><b>3. Roadside Vegetative Waste</b> 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.).</p>
<p><b>4. Roadside Erosion Control</b> Describe your program to detect and repair erosion along municipal roadways.</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: \_\_\_\_\_*

<b>1. Site Name and Address</b>
---------------------------------

--

<b>2. Monthly Site Inspections</b> Describe the nature of inspections conducted at this site and the location of inspection logs.
--

--

<b>3. Inventory List</b> List all materials and machinery that are potentially exposed to stormwater.
--

Materials	Machinery/Equipment

<p><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.</p>
<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><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><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>



**8. Salt and Other Granular De-icing Materials**

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.

**9. Aggregate Material, Wood Chips, and Finished Leaf Compost**

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.

**10. Cold Patch Asphalt**

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.

**11. Street Sweepings and Storm Sewer Cleanout Materials**

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.

**12. Construction and Demolition Waste, Wood Waste, and Yard Trimmings**

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.

**13. Scrap Tires**

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.

**14. Inoperable Vehicles and Equipment**

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.

## Form 10 – Training

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

<b>Stormwater Program Coordinators</b>
Describe the training provided for the municipal Stormwater Program Coordinator.

<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	
Construction Site Stormwater Runoff	
Post-Construction Stormwater Management in New and Redevelopment	
Community-wide Ordinances	
Community-wide Measures	

Stormwater Facilities Maintenance	
Municipal Maintenance Yards and Other Ancillary Operations	
MS4 Mapping	
Outfall Stream Scouring	
Illicit Discharge Detection and Elimination	

<b>Stormwater Management Design Reviewers</b>
Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.



## Form 11 – MS4 Mapping

### *Part IV.G.1.*

1. Provide a link to the most current MS4 outfall/infrastructure map.	
2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).	
a. MS4 outfalls	
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	
c. MS4 interconnections	
d. MS4 storm drain inlets	
e. MS4 manholes	
f. Length of conveyance (channels, pipes, ditches, etc.)	
g. MS4 pump stations	
h. MS4 stormwater facilities (any that are not listed above)	
i. Maintenance yard(s) and other ancillary operations	
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.).	
4. Describe how the municipality will create and update its MS4 Infrastructure Map.	

**Form 12 – Watershed Improvement Plan**  
*Part IV.H.*

1. Describe how your municipality is developing its Watershed Improvement Plan.
2. Describe any regional projects or collaboration efforts with other municipalities.
3. Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.

## Outfall Inspection Form

This form is provided to assist MS4 permittees with appropriate recordkeeping for their routine outfall inspections as required by the current MS4 NJPDES permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the previous precipitation or snowmelt event.

It is recommended to attach photo(s) of the inspection of the outfall to this form.

**Upon discovery of stream scouring, you may use "Stream Scouring Investigation Record Keeping Form" for required documentation.**

**Upon discovery of any possible illicit connections, you MUST use "Illicit Connection Inspection Report Form."**

### SECTION 1: PERMITTEE INFORMATION

MS4 Permittee: \_\_\_\_\_ NJPDES #: NJG0\_\_\_\_\_

### SECTION 2: OUTFALL SUMMARY INFORMATION

*\*If this outfall is newly identified, be sure to add it to your electronic outfall pipe map.\**

Outfall ID: \_\_\_\_\_ Outfall Location Description: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_

Receiving Waterbody: \_\_\_\_\_

Describe the type of conveyance(s) that delivers the stormwater to the receiving waterbody (concrete or corrugated pipe, concrete channel, etc.): \_\_\_\_\_

If the ultimate discharge into the receiving water **is from an enclosed pipe**, is any part of the end of the pipe fully or partially submerged?  NEVER  SOMETIMES\*  ALWAYS\*

\*If 'Sometimes' or 'Always,' describe submerged conditions and condition at time of inspection:

If the ultimate discharge into the receiving water **is not from an enclosed pipe**, what is the approximate distance between the end of the last enclosed stormwater conveyance pipe to the receiving waterbody (ft): \_\_\_\_\_

Do any other NJPDES permittees discharge through this MS4 outfall?  YES\*  NO  UNKNOWN

\*If 'YES', list Permittee Name(s) or NJPDES #(s): \_\_\_\_\_

*\*If 'YES', please contact your MS4 Case Manager.\**

### SECTION 3: INSPECTION CONDITIONS

Date of current inspection: \_\_\_/\_\_\_/\_\_\_ Date of previous inspection: \_\_\_/\_\_\_/\_\_\_

Latest precipitation/snowmelt event: \_\_\_/\_\_\_/\_\_\_ Amount of Precipitation (in.): \_\_\_\_\_



Outfall condition:  PROPER CONDITION  NEEDS MAINTENANCE  NEEDS REPAIR

If applicable, describe the type of maintenance or repair needed: \_\_\_\_\_

\_\_\_\_\_

Bank Stability around outfall:  GOOD  FAIR  NEEDS STABILIZATION

If applicable, describe problem and the work needed to stabilize the outfall: \_\_\_\_\_

\_\_\_\_\_

Is there a dry weather flow present at the outfall or other evidence that a previous illicit discharge may have occurred? *(If the outfall is partially or fully submerged, dry weather flow observations must be made at the next upstream point (e.g. manhole) above the influence of the receiving surface waterbody.)*

PRESENT  EVIDENCE  NEITHER

**If applicable:** Manhole ID: \_\_\_\_\_ Approximate distance upstream from outfall (ft.): \_\_\_\_\_

If a dry weather flow is present at the outfall or there is other evidence that a previous illicit discharge may have occurred, the permittee must document the illicit discharge investigation on the **"Illicit Connection Inspection Report Form"** at the link above.

#### SECTION 4: STREAM SCOURING

Is stream scouring present?  YES\*  NO

\*If 'YES', describe the scouring, including where the scouring is occurring relative to the outfall:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*\*If you answered 'YES,' you must document sources of stormwater that contribute to the outfall. The Department has created the **"Stream Scouring Investigation Record Keeping Form"** for your use at the link above.\**

#### SECTION 5: INSPECTOR INFORMATION

Inspector's Name: \_\_\_\_\_

Title: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Stream Scouring Investigation Recordkeeping Form

This form is provided to assist MS4 permittees with appropriate recordkeeping throughout the investigation process of outfall stream scouring. This form is to be kept with the permittee's SPPP, as per the recordkeeping requirements of the MS4 NJPDES permit. It is recommended to attach photo(s) of the outfall and scouring to this form.

### SECTION 1: PERMITTEE INFORMATION

MS4 Permittee: \_\_\_\_\_ NJPDES #: NJG0 \_\_\_\_\_

### SECTION 2: OUTFALL SUMMARY INFORMATION

*\*If this outfall is newly identified, be sure to add it to your electronic outfall pipe map.\**

Outfall ID: \_\_\_\_\_ Outfall Location Description: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_

Receiving Waterbody: \_\_\_\_\_

Describe the type of conveyance(s) that delivers the stormwater to the receiving waterbody (concrete or corrugated pipe, concrete channel, etc.): \_\_\_\_\_

If the ultimate discharge into the receiving water **is from an enclosed pipe**, is the end of the pipe fully or partially submerged?  NEVER  SOMETIMES\*  ALWAYS\*

\*If 'Sometimes' or 'Always,' describe submerged conditions and condition at time of inspection:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If the ultimate discharge into the receiving water **is not from an enclosed pipe**, what is the approximate distance between the end of the last enclosed stormwater conveyance pipe to the receiving waterbody (ft.): \_\_\_\_\_

Do any other NJPDES permittees discharge through this MS4 outfall?  YES\*  NO  UNKNOWN

\*If 'YES', list Permittee Name(s) or NJPDES #(s): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

*\*If 'YES', please contact your MS4 Case Manager.\**

### SECTION 3: INSPECTION CONDITIONS

When was the stream scouring first identified? \_\_\_\_/\_\_\_\_/\_\_\_\_

Date of current inspection: \_\_\_\_/\_\_\_\_/\_\_\_\_ Date of previous inspection: \_\_\_\_/\_\_\_\_/\_\_\_\_

Latest precipitation/snowmelt event: \_\_\_\_/\_\_\_\_/\_\_\_\_ Amount of Precipitation (in.): \_\_\_\_\_

Provide a description of the stream scouring and outfall condition: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Describe investigation and findings, including suspected sources and action(s) being taken to reduce the volume or rate of flow from the sources contributing stormwater to the outfall, including dates of actions taken: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Was stream scouring identified during the previous inspection?  YES\*  NO

\*If 'YES', describe previous actions taken: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Since the date of last inspection, has the stream scouring worsened?  YES\*  NO

\*If 'YES', describe any potential causes, including new source(s) contributing stormwater to the MS4 discharging at this outfall since previous inspection (e.g. new housing developments, commercial plazas, etc.): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 4: SCHEDULING OF STREAM REMEDIATION**

Description of the remediation project: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List milestones and dates of remediation (i.e. applied for permit, advertised for bid, awarded bid for project, completed project, etc.): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 5: PERMITS OBTAINED (Flood Hazard, Freshwater Wetlands, Soil Conservation District, etc.)**

<u>Permit Type</u>	<u>Permit Authorization #</u>	<u>Application date</u>	<u>Authorization date</u>
_____	_____	___/___/___	___/___/___
_____	_____	___/___/___	___/___/___
_____	_____	___/___/___	___/___/___
_____	_____	___/___/___	___/___/___
_____	_____	___/___/___	___/___/___

**SECTION 6: INSPECTOR INFORMATION**

Inspector's Name: \_\_\_\_\_

Title: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**ENGINEERS CERTIFICATION OF ANNUAL INSPECTION OF EQUIPMENT  
AND VEHICLE WASH WASTEWATER CONTAINMENT STRUCTURE**

**(Complete a separate form for each vehicle wash wastewater containment structure)**

Permittee: \_\_\_\_\_ NJPDES Permit No: \_\_\_\_\_

Containment Structure Location: \_\_\_\_\_

The annual inspection of the above referenced vehicle wash wastewater containment structure was conducted on \_\_\_\_\_ (date). The containment structure and appurtenances have been inspected for:

1. The integrity of the structure including walls, floors, joints, seams, pumps and pipe connections
2. Leakage from the structure's piping, vacuum hose connections, etc.
2. Bursting potential of tank.
3. Transfer equipment
4. Venting
5. Overflow, spill control and maintenance.
6. Corrosion, splits, and perforations to tank, piping and vacuum hoses

The tank and appurtenances have been inspected for all of the above and have been determined to be:

Acceptable \_\_\_\_\_

Unacceptable \_\_\_\_\_

Conditionally Acceptable \_\_\_\_\_

List necessary repairs and other conditions: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment (N.J.A.C. 7:14A-2.4(d)).

Name (print): \_\_\_\_\_ Seal: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

# Illicit Connection Inspection Report Form

For additional information regarding illicit discharge investigations, refer to Chapter 3.6 of the [Tier A Guidance Document](#).

If a dry weather flow or other evidence of an intermittent illicit discharge is observed, this form shall be used to document the illicit discharge investigation in accordance with the current MS4 NJPDES Permit. This completed form shall be uploaded with the permittee's Annual Report and Certification and be kept with the permittee's SPPP as per the recordkeeping requirements of the permit. Initial illicit connection inspections must be performed during dry weather, which is at least 72 hours after the end of the previous precipitation or snowmelt event.

**It is required to attach photos of the investigation to this form.**

**Illicit discharges must be reported immediately to the NJDEP Hotline at 1-877-WARNDEP (1-877-927-6337).**

## SECTION 1: PERMITTEE INFORMATION

MS4 Permittee: \_\_\_\_\_ NJPDES #: NJG0\_\_\_\_\_

## SECTION 2: OUTFALL SUMMARY INFORMATION

*\*If this outfall is newly identified, be sure to add it to your electronic outfall pipe map.\**

Outfall ID: \_\_\_\_\_ Outfall Location Description: \_\_\_\_\_

Municipality: \_\_\_\_\_ County: \_\_\_\_\_

Receiving Waterbody: \_\_\_\_\_

Describe the type of conveyance(s) that delivers the stormwater to the receiving waterbody (concrete or corrugated pipe, concrete channel, etc.): \_\_\_\_\_

If the ultimate discharge into the receiving water **is from an enclosed pipe**, is the end of the pipe fully or partially submerged?  NEVER  SOMETIMES\*  ALWAYS\*

\*If 'Sometimes' or 'Always,' describe submerged condition at time of inspection:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If the ultimate discharge into the receiving water **is not from an enclosed pipe**, what is the approximate distance between the end of the last enclosed stormwater conveyance pipe to the receiving waterbody (ft.): \_\_\_\_\_

Do any other NJPDES permittees discharge through this MS4 outfall?  YES\*  NO  UNKNOWN

\*If 'YES', list Permittee Name(s), NJPDES #(s), and Location of Connection:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*\*If 'YES', please contact your MS4 Case Manager.\**

**SECTION 3: OUTFALL INSPECTION**

Date of current inspection: \_\_\_\_/\_\_\_\_/\_\_\_\_

Latest precipitation/snowmelt event: \_\_\_\_/\_\_\_\_/\_\_\_\_ Amount of Precipitation (in.): \_\_\_\_\_

Date dry weather flow or other evidence of an intermittent illicit discharge was first discovered: \_\_\_\_/\_\_\_\_/\_\_\_\_

List the date(s) of previous inspection(s) and describe the actions taken, if applicable: \_\_\_\_\_

**SECTION 4: PHYSICAL OBSERVATIONS**

*If the outfall is either partially or fully submerged, dry weather flow observations must be made at the next upstream point (e.g. manhole) above the influence of the receiving surface waterbody.*

**If applicable:** Manhole ID: \_\_\_\_\_ Approximate distance upstream from outfall (ft.): \_\_\_\_\_

The permittee shall use the table below to describe 1) the observed dry weather flow and/or 2) when there are indications of intermittent illicit discharges present.

*(Potential illicit discharge sources are listed in parentheses.)*

<b>Odor</b>	<input type="checkbox"/> None <input type="checkbox"/> Sewage (stale/septic sanitary wastewater) <input type="checkbox"/> Petroleum/Gas (petroleum refineries, vehicle maintenance facilities, petroleum product storage) <input type="checkbox"/> Rancid/Sour (food preparation facilities, e.g. restaurants, hotels, etc.) <input type="checkbox"/> Sulfide (industries discharging sulfide compounds or organics, e.g. meat packers, canneries, dairies, etc.) <input type="checkbox"/> Other: _____
<b>Color</b>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown (meat packers, printing plants, metal works, concrete or stone operations, fertilizer facilities, and petroleum refining facilities) <input type="checkbox"/> Gray (dairies, sewage) <input type="checkbox"/> Yellow (chemical plants, textile and tanning plants) <input type="checkbox"/> Red (meat packers) <input type="checkbox"/> Other: _____
<b>Turbidity</b>	<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy (sanitary wastewater, concrete or stone operations, fertilizer facilities, and automotive dealers) <input type="checkbox"/> Opaque (food processors, lumber mills, metal works, pigment plants)
<b>Floatable Matter (Does not include litter)</b>	<i>Floatables of industrial origin may include animal fats, spoiled foods, solvents, sawdust, foams, packing materials, or fuel. Floatables in sanitary wastewater include fecal matter, toilet paper, sanitary napkins, and condoms.</i> <input type="checkbox"/> None <input type="checkbox"/> Sewage (toilet paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other: _____

<b>Deposits and Stains within outfall</b>	<i>Coatings, residues or fragments of material may be indicators of a potential intermittent non-stormwater discharge</i> <input type="checkbox"/> None <input type="checkbox"/> Grayish-Black (leather tanneries) <input type="checkbox"/> White crystalline powder (Nitrogenous fertilizers) <input type="checkbox"/> Excessive sediments (construction sites) <input type="checkbox"/> Oily residues (petroleum refineries, storage facilities, vehicle service areas) <input type="checkbox"/> Other: _____
<b>Vegetation</b>	<i>As compared to surrounding Riparian bank and/or stream vegetation</i> <input type="checkbox"/> Normal <input type="checkbox"/> Excessive growth and/or algal presence (Food processing plants) <input type="checkbox"/> Inhibited Growth (Industrial operation effluent, CAFOs)

*\*If the Physical Observations have been conducted and it was determined there was no odor, no discoloration of the water or no deposits and stains left on the outfall, turbidity was clear, no floatable matter, and the vegetation surrounding outfall appears normal, then the dry weather discharge is likely from a groundwater source, but the "Field Monitoring" section below must still be completed for verification.*

*Prior to conducting the analyses in Sections 5 & 6, the source may be traced back upstream in the storm sewer to a more definitive location by various methods, such as opening manholes, using a camera and/or performing dye tests or smoke tests.\**

**SECTION 5: FIELD MONITORING**

*\*Field calibrate instruments in accordance with manufacturer's instructions prior to testing.\**

<b>Estimated Dry Weather Flow Rate</b>	The Tier A guidance document recommends taking the estimate flow rate during the physical observations. _____ GPM
<b>Detergents</b> Examples include surfactants and methylene blue active substances (MBAS)	Potential discharge types include sewage, washwater, industrial or commercial liquid waste  Measurement: _____ mg/L
<b>Temperature of dry weather discharge</b>	Temperatures >70°F may indicate cooling water discharges depending on the season Measurement: _____ °F

***\*Proceed to Section 6 in accordance with the Guidance Document recommendations.\****

**SECTION 6: DRY WEATHER FLOW ANALYSIS - WATER QUALITY**

*\* Based on the potential discharge types determined in the 'Physical Observation' and 'Field Monitoring' sections, further testing must be conducted using the appropriate subset of parameters below. The following parameters are recommended by the EPA for specific types of discharges as noted in the table below. For more information, refer to Chapter 12 of the EPA's Illicit Discharge Detection and Elimination guidance document ([https://www3.epa.gov/npdes/pubs/idde\\_manualwithappendices.pdf](https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf)).*

Indicate the location of your measurements (e.g. outfall, manhole number, etc.): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Parameter	Potential Discharge Type (EPA Guidance)	Discharge Measurement
Ammonia	Sewage, washwater	mg/L
Potassium	Sewage, industrial or commercial liquid waste	mg/L
Boron	>0.35 mg/L likely indicates sewage or washwater	mg/L
Chlorine	Industrial or commercial liquid waste	mg/L
Conductivity	Sewage, washwater, and industrial or commercial liquid waste	S/m
E. coli (FW & PL waters)**	>12,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
Enterococci (SC & SE1 waters)**	>5,000 Count/100 mL is likely Sanitary Wastewater	Count/100 mL
Fecal Coliform (SE2 & SE3 waters)**	Sewage	Count/100 mL
Fluoride	Distinguishes potable water from natural or irrigation water	mg/L
pH of Dry Weather Discharge	Washwater	SU

\*\*The abbreviations FW, PL, SC, SE 1, SE2, and SE3 refer to the surface water quality classification of the receiving surface waterbody where the outfall discharges, as defined in N.J.A.C. 7:9B. FW=Freshwater, PL=Pinelands, SC=Saline Coastal, SE=Saline Estuary. Map coverage of these classifications is available on NJ-GeoWeb (<https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=02251e521d97454aabadfd8cf168e44d>) using the layer under 'Water' of 'Surface Water Quality Classification.'

**SECTION 7: ILLICIT DISCHARGE INVESTIGATION**

*\*The investigation is not complete until the source of the dry weather flow is found, and any illicit discharge is eliminated.\**

Based on the latest results from the investigation, including the results in Sections 4, 5 and 6, is/was this dry weather flow from an illicit connection?  YES  NO  INVESTIGATION IS ONGOING

If the investigation has been completed, what was the source of the dry weather flow or illicit connection?

---



---



---



---



---



## Underground Vehicle Wash Water Storage Tank Use Log

Name and Address of Facility \_\_\_\_\_

Facility Permit Number \_\_\_\_\_

Tank ID Number \_\_\_\_\_

Tank Location \_\_\_\_\_

Tank Volume \_\_\_\_\_ gallons

Tank Height \_\_\_\_\_ inches

95% Volume \_\_\_\_\_ gallons

95% Volume \_\_\_\_\_ inches

<u>Date and Time</u>	<u>Inspector</u>	<u>Height of Product Before Introducing Liquid (inches)</u>	<u>Is Tank Less Than 95% Full? (Y/N)</u>	<u>Visual Inspection Pass? (Y/N)</u>	<u>Comments</u>

Notes: The volume of liquid in the tank should be measured **before** each use.

Liquid **should not be introduced** if the tank contains liquid at 95% of the capacity or greater.

A visual inspection of all exposed portions of the collection system should be performed before each use. Use the comments column to document the inspection and any repairs.

**Underground Vehicle Wash Water Storage Tank Pump Out Log**

Name and Address of Facility \_\_\_\_\_

Facility Permit Number \_\_\_\_\_

Tank ID Number \_\_\_\_\_

Tank Location \_\_\_\_\_

Tank Volume \_\_\_\_\_ gallons

<b><u>Date and Time of Pump Out</u></b>	<b><u>Volume of Liquid Removed</u></b>	<b><u>Waste Hauler *</u></b>	<b><u>Destination of the Liquid Disposal *</u></b>

**\* The Permittee must maintain copies of all hauling and disposal records and make them available for inspection.**