

# Stormwater Pollution Prevention Plan

Township of Evesham  
Burlington County

G0153451

April 2021

## **SPPP Table of Contents**

- Form 1 – SPPP Team Members (permit cite IV F 1)
- Form 2 – Revision History (permit cite IV F 1)
- Form 3 – Public Involvement and Participation Including Public Notice (permit cite IV B 1)
- Form 4 – Public Education and Outreach (permit cite IV B 2 and Attachment B)
- Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program (permit cite IV B 4 and Attachment D)
- Form 6 – Ordinances (permit cite IV B 5)
- Form 7 – Street Sweeping (permit cite IV B 5 b)
- Form 8 – Catch Basin and Storm Drain Inlets (permit cite IV B 2, IV B 5 b ii, and Attachment C)
- Form 9 – Storm Drain Inlet Retrofitting (permit cite IV B 5 b)
- Form 10 – Municipal Maintenance Yards and Other Ancillary Operations (permit cite IV B 5 c and Attachment E)
- Form 11 – Employee Training (permit cite IV B 5 d, e, f)
- Form 12 – Outfall Pipes (permit cite IV B 6 a, b, c)
- Form 13 – Stormwater Facilities Maintenance (permit cite IV C 1)
- Form 14 – Total Maximum Daily Load Information (permit cite IV C 2)
- Form 15 – Optional Measures (permit cite IV E 1 and IV E 2)

## SPPP Form 1 – SPPP Team Members

All records must be available upon request by NJDEP.

<b>Stormwater Program Coordinator (SPC)</b>	
Print/Type Name and Title	Tom Kohl, Superintendent, Department of Public Works
Office Phone # and eMail	(856) 983-2798 kohlt@evesham-nj.gov
Signature/Date	
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>	
Print/Type Name and Title	Tim Staszewski. P.E., C.M.E. Township Engineer
Print/Type Name and Title	Raskesh Darji, P.E., P.P., C.M.E., CFM Board Engineer
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
<b>Other SPPP Team Members</b>	
Print/Type Name and Title	Sharon Boulton Administrative Officer
Print/Type Name and Title	Mary Lou Bergh Public Notice Coordinator and Ordinance Coordinator
Print/Type Name and Title	
Print/Type Name and Title	

## SPPP Form 2 – Revision History

All records must be available upon request by NJDEP.

	Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
1.	March 24, 2005			
2.	March 9, 2007			
3.	October 25, 2010		No	
4.	December 19, 2018	T.S.	Yes	NJDEP Bureau of Nonpoint Pollution Control requirement
5.	April 12, 2021	T.S.	Yes	SCO update
6.				
7.				
8.				
9.				
10.				



## SPPP Form 3 – Public Involvement and Participation Including Public Notice

All records must be available upon request by NJDEP.

1. Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:	<a href="http://evesham-nj.org">http://evesham-nj.org</a>
2. Date of most current SPPP:	April 2021
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	<a href="http://evesham-nj.org">http://evesham-nj.org</a>
4. Date of most current MSWMP:	February 1, 2021
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	<a href="http://evesham-nj.org">http://evesham-nj.org</a>
6. Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of a MS4 stormwater program:	
<p>For meetings where public notice is required under the Open Public Meetings Act ("Sunshine Law," N.J.S.A. 19:4-6 et seq.), Evesham Township provides public notice in a manner that complies with the requirements of that Act. Also, in regard to the passage of ordinances, Evesham 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 stormwater management plan) subject to public notice requirements in the Municipal Land Use Law (N.J.S.A. 40:55D-1 et seq.) Evesham Township complies with those requirements.</p> <p>The Official Newspaper is the Burlington County Times. All legal notices to be published must appear in the official newspapers as stipulated by the Acts. Public notices may be published, although not required, in any or all of the secondary newspapers</p>	

## SPPP Form 4 – Public Education and Outreach

All records must be available upon request by NJDEP.

1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.
2. Describe how businesses and the general public within the municipality are educated about the hazards associated with illicit connections and improper disposal of waste.
3. Indicate where public education and outreach records are maintained.

For our annual distribution, we will mail the DEP brochure to our residents and businesses. The brochure will be distributed in January as a separate mailing. Extra copies will be available at our township library, public works facility, the Gibson House and at our municipal building (3 points).

Our annual event will be held each year in coordination with our Fall Festival Celebration (Harvest Fest). We will make the DEP brochure and other educational materials available at our table. Other items that may distributed include pencils, magnets, keychains or other similar items with environmental messages related to the required BMP topics subject to the availability of funds. In addition, we will invite our environmental commission and other environmental groups to set up their own booths during this event (2 points).

We have also established and maintain a link to [www.cleanwaternj.org](http://www.cleanwaternj.org) on the municipal website (1 point).

A poster contest, in the middle school, is held once a year. The poster themes have an appropriate stormwater message (2 points).

The Municipal Complex displays and maintains stormwater related materials (2 points).

Evesham Township has entered into a partnership with Cherokee High School Future Business Leaders of America to carry out litter clean-ups around local ponds and lakes throughout the year (3 points).

Evesham Township may substitute or add qualifying events/activities to the above program. The Township will certify the total number of points, accumulated throughout the year, in its Annual Report. Details of these activities will be noted and documented in the Annual Report as well.

## SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

All records must be available upon request by NJDEP.

<p>1. How does the municipality define 'major development'?</p>
<p>We define a major development as stated in N.J.A.C. 7:8, which states:</p> <p>Major Development An individual "development" as well as multiple developments that individually or collectively result in:</p> <ol style="list-style-type: none"><li>1. The disturbance of one half acre or more of land since February 2, 2004;</li><li>2. The creation of 5,000 square feet or more of "impervious surface" since February 2, 2004.</li></ol> <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 result in the disturbance of one or more acres of land since February 2, 2004. Projects undertaken by any government agency that otherwise meet that 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. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?</p>
<p>No, the Township of Evesham does not approach residential projects differently than non-residential projects.</p>
<p>3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?</p>
<p>To control stormwater from new development and redevelopment projects throughout Evesham Township (including projects we operate) we will do the following:</p> <p>We presently assure that all new residential development and redevelopment projects that are subject to the Residential Site Improvement Standards for stormwater management (including the NJDEP Stormwater Management Rule, N.J.A.C. 7:8, referenced in those standards) are in compliance with those standards.</p> <p>Our planning and zoning boards assure such compliance before issuing preliminary and final subdivision or site plan approvals under the Municipal Land Use Law.</p> <p>The Evesham Township Municipal Stormwater Management Plan Amendment was adopted by the Township on February 25, 2021. Additionally, a Non-Pinelands Area &amp; Pinelands Area Stormwater Control Ordinance was adopted by the Township on April 1, 2008. The ordinance, which is administered by our planning and zoning boards and code enforcement officer, allows for control of stormwater from non-residential development and redevelopment projects. Where it is necessary to implement the Municipal Stormwater Management Plan, the ordinance also allows for control of aspects of residential development and redevelopment projects that are not subject to the Residential Site Improvement Standards.</p> <p>For any BMP that is installed in order to comply with the requirements of our post-construction program, Evesham Township will assure adequate long-term operation as well as preventative and corrective maintenance (including</p>

<p>replacement) of BMPs. For BMPs on private property that we do not own or operate, a provision in the adopted stormwater control ordinance requires the private entity to perform the operation and maintenance, with penalties if the private entity does not comply. If, for example, the private entity does not perform the required maintenance, the Township can perform the maintenance and charge the private entity.</p> <p>Evesham Township enforces, through the stormwater control ordinance (adopted April 1, 2008) compliance with the design standard in Attachment C of our permit to control passage of solid and floatable materials through storm drain inlets. Evesham Township expects that for most projects, such compliance will be achieved either by conveying flows through a trash rack as described in the "Alternate Device Exemptions" or (for flows not conveyed through such a trash rack), by installation of the NJDOT bicycle safe grate and (if needed) a curb opening with a clear space no bigger than two inches across the smallest dimension</p>	
<p>4. Describe the process for reviewing major development project applications for compliance with the Stormwater Control Ordinance (SCO) and Residential Site Improvement Standards (RSIS). Attach a flow chart if available.</p>	
<p>The Township's Department of Community Development is the principal agency responsible for administrative and technical support for the Planning Board, the Zoning Board of Adjustment, and the Historic Preservation Commission.</p> <p>The Department of Community Development provides administrative and technical support for the enforcement of the State of New Jersey Uniform Construction Code, the Township Code, and the Land Use Code.</p> <p>Major development applications are reviewed, for N.J.A.C. 7:8 compliance, by our Board Engineer.</p>	
<p>5. Does the Municipal Stormwater Management Plan include a mitigation plan?</p>	<p>Yes</p>
<p>6. What is the physical location of approved applications for major development projects, Major Development Summary Sheets (permit att. D), and mitigation plans?</p>	<p>Township of Evesham Municipal Building 984 Tuckerton Road Marlton, New Jersey 08053 T. 856-983-2900</p>

## SPPP Form 6 – Ordinances

All records must be available upon request by NJDEP.

Ordinance permit cite IV.B.1.b.iii	Date of Adoption	Website URL	Was the DEP model ordinance adopted without change?	Entity responsible for enforcement
1. Pet Waste permit cite IV.B.5.a.i	10-29-2004	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
2. Wildlife Feeding permit cite IV.B.5.a.ii	10-29-2004	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police Local Police
3. Litter Control permit cite IV.B.5.a.iii	10-29-2004	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	10-29-2004	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	10-29-2004	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	09-21-2010	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	02-25-2021	<a href="http://evesham-nj.org">http://evesham-nj.org</a>	No	Evesham Township Police
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	10-29-2004	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2	06-06-2015	<a href="http://evesham-nj.org">http://evesham-nj.org</a>		Evesham Township Police
Indicate the location of records associated with ordinances and related enforcement actions:				
Township of Evesham Municipal Building 984 Tuckerton Road Marlton, New Jersey 08053 T. 856-983-2900  <a href="http://evesham-nj.org">http://evesham-nj.org</a>				

## SPPP Form 7 – Street Sweeping

All records must be available upon request by NJDEP.

1. Provide a written description or attach a map indicating which streets are swept as required by the NJPDES permit. Describe the sweeping schedule and indicate if any of the streets are swept by another entity through a shared service arrangement.
Evesham Township has evaluated all of its streets (NJDES permit required) to determine which areas will need to be swept monthly, weather and street surface conditions permitting. The streets, that are required to be swept, are listed on the attached street sweeping log and presented on the attached map.
2. Provide a written description or attach a map indicating which streets are swept that are NOT required to be swept by the NJPDES permit. Describe the sweeping schedule and indicate if any of the streets are swept by another entity through a shared service arrangement.
Evesham Township has evaluated all of its streets (Non NJDES permit required) to determine which areas will need to be swept monthly, weather and street surface conditions permitting. The Township intends on sweeping these non NJDEP permit streets, at least once a year.
3. Does the municipality provide street sweeping services for other municipalities? If so, please describe the arrangements.
No, the Township of Evesham does not provide a street sweeping service for other New Jersey municipalities.
4. Indicate the location of records, including sweeping dates, areas swept, number of miles swept and total amount of wet tons collected each month. Note which records correspond to sweeping activities beyond what is required by the NJPDES permit, i.e., sweepings of streets within the municipality that are not required by permit to be swept or sweepings of streets outside of the municipality.
Township of Evesham Municipal Building 984 Tuckerton Road Marlton, New Jersey 08053 T. 856-983-2900

## SPPP Form 8 – Catch Basins and Storm Drain Inlets

All records must be available upon request by NJDEP.

1. Describe the schedule for catch basin and storm drain inlet inspection, cleaning, and maintenance.
<p>Evesham Township has implemented an annual catch basin cleaning program to maintain catch basin function and efficiency. All catch basins (2,441 as of 2018) are inspected once each year. If, at the time of inspection, no sediment, trash or debris is observed in the catch basin, then that catch basin will not be cleaned. All catch basins will be inspected yearly, even if they were found to be "clean" the previous year.</p> <p>If sediment, trash or debris is found, the catch basin will be cleaned. At the time of cleaning, the catch basins will also be inspected for proper function. Maintenance will be scheduled for those catch basins that are found to be in disrepair.</p>
2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.
<p>The list of catch basins and storm drains which exhibit recurring problems are listed on the attached inlet log.</p>
3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.
<p>Recurring defected structures are routinely inspected during and after a significant rain event. The defects are noted, evaluated, and repair recommendations are made.</p>
4. Describe the inspection schedule and maintenance plan for storm drain inlet labels on storm drains that do not have permanent wording cast into the design.
<p>For stormwater structures not having a permanent wording cast in it, the Township used storm drain markers which read "No Dumping - Drains to Waterway" as manufactured by Almetek Industries, 2 Joy Drive, Hackettstown, NJ 07840. These labels were applied using adhesive.</p>

5. Indicate the location of records of catch basin and storm drain inlet inspections and the wet tons of materials collected during catch basin and storm drain inlet cleanings.

Township of Evesham  
Municipal Building  
984 Tuckerton Road  
Marlton, New Jersey 08053  
T. 856-983-2900

<http://evesham-nj.org>



## SPPP Form 9 – Storm Drain Inlet Retrofitting

All records must be available upon request by NJDEP.

1. Describe the procedure for ensuring that municipally owned storm drain inlets are retrofitted.
Road restoration project completion information and moratorium lists are maintained in inventories, separate from these SPPP forms.
2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.
Personnel, from the Township's Engineer's Office, observes and reports when Township owned and maintained storm drain inlets are retrofitted. Evesham Township uses NJDOT Bicycle Safe Grates and, if needed, Eco Type N Curb Pieces.
3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.
The Township's Department of Community Development is the principal agency responsible for ensuring privately owned storm drain inlets are retrofitted. Planning and Zoning Board application approvals require privately owned storm drains inlets to be retrofitted. Evesham Township uses NJDOT Bicycle Safe Grates and, if needed, Eco Type N Curb Pieces.
4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.
Personnel, from the Township's Engineer's Office, observes and reports when Township owned and maintained storm drain inlets are retrofitted.

## SPPP Form 10 – Municipal Maintenance Yards and Other Ancillary Operations

All records must be available upon request by NJDEP.

<i>Complete separate forms for each municipal yard or ancillary operation location.</i>
Address of municipal yard or ancillary operation: 501 Evesboro-Medford Road and Indian Springs Country Club
<p>List all materials and machinery located at this location that are exposed to stormwater which could be a source of pollutant in a stormwater discharge:</p> <p>Raw materials –</p> <p>Intermediate products –</p> <p>Final products –</p> <p>Waste materials –</p> <p>By-products –</p> <p>Machinery – See Appendix I</p> <p>Fuel –</p> <p>Lubricants –</p> <p>Solvents –</p> <p>Detergents related to municipal maintenance yard or ancillary operations –</p> <p>Other –</p>

For each category below, describe the best management practices in place to ensure compliance with all requirements in permit Attachment E. If the activity in the category is not applicable for this location, indicate where it occurs.

Indicate the location of inspection logs and tracking forms associated with this municipal yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or have been planned.

### 1. Fueling Operations

#### **Location of Inspection Logs:**

Township of Evesham  
Municipal Building  
984 Tuckerton Road  
Marlton, New Jersey 08053  
T. 856-983-2900

#### **Introduction and Purpose**

This standard operating procedure contains the basic practices of vehicle maintenance to be implemented at all maintenance yards including maintenance activities in Evesham Township. Vehicle and fueling procedures and practices are designed to minimize surface or ground water contact. Understanding the procedures for delivering fuel into vehicles, mobile fuel tanks, and storage tanks is critical for this purpose. Safety is always a priority. The purpose of this SOP is to provide a set of guidelines for Township vehicle maintenance yards including maintenance activities at ancillary operations.

#### **Scope**

These procedures are to be implemented at all Township owned facilities with fueling operations.

#### **Standards and Specifications (for vehicle and equipment fueling)**

- Shut off engine
- Ensure that the fuel is the proper type of fuel
- Absorbent spill clean-up materials and spill kits shall be available in fueling areas and shall be disposed of properly after use.
- Nozzles used in vehicles and equipment fueling shall be equipped with an automatic shut-off to prevent overfill.
- Fuel tanks shall not be topped off.
- Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment, and appropriate contact information for the person responsible for the spill response.

**Standards and Specifications (for bulk fueling)**

- Drip pans or absorbent pads shall be used under all hose and pipe connections and other leak-prone areas during bulk fueling.
- Block stormwater sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms are being used to block the stormwater sewer inlets, all hose connections points associated with the transfer of fuel must be within the temporary berms during the loading/unloading of bulk fuels.
- A trained employee must always be present to supervise during bulk transfer.

**Spill Response**

- Conduct cleanups of any fuel spills immediately after discovery.
- Uncontained spills are to be cleaned using dry cleaning methods only. Spills shall be cleaned up with a dry absorbent material (e.g. cat litter, sawdust) and the rest of the area is to be swept.
- Collected waste is to be disposed of properly.
- Contact the Evesham Township Department of Public Works (Tom Kohl, Superintendent of Public Works) at (856) 983-2798.

**Maintenance and Inspection**

- Fueling areas and storage tanks are to be inspected monthly.
- Keep an ample supply of spill cleanup material on the site.
- Any equipment, tanks, pumps, piping, and fuel dispensing equipment found to be leaking or in disrepair must be repaired or replaced immediately.

**2. Vehicle Maintenance****Location of Inspection Logs:**

Township of Evesham  
Municipal Building  
984 Tuckerton Road  
Marlton, New Jersey 08053  
T. 856-983-2900

**Standards and Specifications**

- Conduct vehicle maintenance operation only in designated areas.
- When possible, perform all vehicle and equipment maintenance in an indoor location with a paved floor.
- Always use drip pans.
- Absorbent spill clean-up materials shall be available in maintenance areas and shall be disposed of properly after each use.
- For projects that must be performed outdoors that last more than (1) day, portable tents or tarps must be placed over exposed equipment or machinery when not being worked on.
- Do not dump or dispose oils, grease, fluids, and lubricants onto the ground.
- Do not dump or dispose of batteries, used oils, antifreeze, and other toxic fluids into a storm drain or watercourse.
- Do not bury tires.
- Collect waste fluids in properly labeled containers and dispose properly.

**Spill Response and Reporting**

- Provide spill containment dikes or secondary containment around stored oils and other fluid storage drums.
- Conduct cleanups of any fuel spills immediately after discovery.
- Spills are to be cleaned using dry cleaning methods only. Spills shall be cleaned up with a dry absorbent material (e.g. cat litter, sawdust) and the rest of the area is to be swept.
- Collected waste is to be disposed of properly.
- Contact the Evesham Township Department of Public Works (Tom Kohl, Superintendent of Public Works) at (856) 983-2798.

**Maintenance and Inspection**

- Periodically check for leaks and damaged equipment and make repairs as necessary.

**3. On-Site Equipment and Vehicle Washing**

*See permit attachment E for certification and log forms for Underground Storage Tanks.*

The Township does not have an on-site equipment and vehicle washing system. The Township either uses local car washing facilities or perform the wash themselves to clean their fleet of vehicles.

**4. Discharge of Stormwater from Secondary Containment**

The Township has completed the following for discharge of stormwater from secondary containment at maintenance yard operations:

- The discharge pipe or outfall must be equipped with a device to control the discharge from all containment areas.
- The valve remains closed at all times, except when discharging.
- Routine inspections are performed for the tanks, drum, vats, other containers, valves, hoses, pipes, and other equipment in the containment area to maintain their integrity and proper function and keep a log of these routine inspection.
- Regular maintenance is performed on the tanks, drums and other containers including any valves, hoses, pipes and appurtenances within the containment area including painting, repair and replacement.
- Prior to discharging, the operator performs a physical inspection of the tank within the secondary containment and a visual inspection of the accumulated stormwater to determine if the stormwater has been contaminated by the contents of the tank. Visual inspections are only effective when the contents or materials stored could discolor or give the stormwater an undesirable odor, or leave a visible sheen.
- If the contents of the tank are not visible in stormwater, the operator shall rely on previous tank inspections to determine with some degree of certainty that the tank has not leaked.
- If it cannot be determined with reasonable certainty that the stormwater in the secondary containment is uncontaminated then the accumulated stormwater is hauled off-site for proper disposal.

<p>5. Salt and De-Icing Material Storage and Handling</p> <p>Evesham Township stores its de-icing material in a storage structure located at the Evesham Township Public Works facility at 501 Evesboro-Medford Road and 100 Sharp Road. At the completion of the loading and unloading activities, the area shall be inspected for spilled salt. If de-icing materials are spilled during loading or unloading, or tracked from the storage facility, they are immediately cleaned up and placed back in the storage structure.</p> <p>Evesham Township will implement a de-icing material ordering system that will utilize the capacity of the existing storage structure.</p> <p>In addition, Evesham Township stores infield mix for use at our baseball and softball fields. This material is stored at the Memorial Sports Complex on Tuckerton Road. A 50-foot minimum setback, from storm sewers, stormwater</p>
<p>6. Aggregate Material and Construction Debris Storage</p> <p>Aggregate material is placed in bins, with vertical walls, to keep the materials in place. During heavy rain events, the materials are covered to prevent seepage into the stormwater conveyance system.</p> <p>All construction debris shall be collected and disposed of in metal trash dumpsters. The dumpsters will have a watertight lid and be located from any stormwater inlet. Only construction debris will be placed in the dumpsters. The dumpsters will be inspected monthly and after each heavy rain event. They will be emptied as frequently as they fill up.</p>
<p>7. Street Sweepings, Catch Basin Clean Out and Other Material Storage</p> <p><b>Location of Inspection Logs:</b></p> <p>Township of Evesham Municipal Building 984 Tuckerton Road Marlton, New Jersey 08053 T. 856-983-2900</p> <p><b>Street Sweeping</b></p> <ul style="list-style-type: none"> <li>• Evesham Township has evaluated all of its streets to determine which areas will need to be swept monthly (weather and street surface permitting).</li> <li>• Evesham Township intends on maintaining its existing street sweeping program for all other streets, which includes sweeping each street a minimum of once per year.</li> <li>• Road clean up materials are disposed of in accordance with N.J.A.C. 7:26-1.1 et seq.</li> </ul>

## 8. Yard Trimmings and Wood Waste Management Sites

Evesham Township has developed and implemented a yard waste collection and disposal program.

We will be conducting collections of leaves and grass during the months of November, December and January, plus one collection in the spring. During the remainder of the year, Evesham Township may hold additional yard waste collections, but no schedule has been determined for these. During the months when we are having collections, we will post our collection schedule and our ordinance requirements in our quarterly newsletter, on our Township website and will place a public notice in the official Township newspaper.

Evesham Township has a yard waste ordinance in place (Ordinance 29-10-2004, codified in Chapter 139 of the Evesham Township Code) that prohibits all yard wastes from being placed at the curb or along the street unless they are bagged or otherwise containerized. The ordinance also prohibits the placing of yard waste closer than 10 feet from any storm sewer inlet along the street, unless they are bagged or otherwise containerized.

## 9. Roadside Vegetation Management

The Township restricts the use of herbicides and only applies them when needed. At no time are they placed on or adjacent to storm drain inlets, on steeply sloping ground, along curb lines or along unobstructed shoulders. Herbicides are only applied within a 2-foot radius around structures where overgrowth presents a safety hazard and where it is unsafe to mow.

## SPPP Form 11 – Employee Training

All records must be available upon request by NJDEP.

<p><b>A. Municipal Employee Training:</b> Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below as required due to job duties assigned within three months of commencement of duties and again on the frequency below. Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic.</p>		
Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard Operations (including Ancillary Operations)	Every year	Tom Kohl, Superintendent of Public Works
2. Stormwater Facility Maintenance	Every year	Tom Kohl, Superintendent of Public Works
3. SPPP Training & Recordkeeping	Every year	Tom Kohl, Superintendent of Public Works
4. Yard Waste Collection Program	Every 2 years	Tom Kohl, Superintendent of Public Works
5. Street Sweeping	Every 2 years	Tom Kohl, Superintendent of Public Works
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	Tom Kohl, Superintendent of Public Works
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	Tom Kohl, Superintendent of Public Works
8. Waste Disposal Education	Every 2 years	Mary Lou Bergh Public Notice Coordinator and Ordinance Coordinator
9. Municipal Ordinances	Every 2 years	Mary Lou Bergh Public Notice Coordinator and Ordinance Coordinator
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Tom Kohl, Superintendent of Public Works
<p><b>B. Municipal Board and Governing Body Members Training:</b> Required for individuals who review and approve applications for development and redevelopment projects in the municipality. This includes members of the planning and zoning boards, town council, and anyone else who votes on such projects. Training is in the form of online videos, posted at <a href="http://www.nj.gov/dep/stormwater/training.htm">www.nj.gov/dep/stormwater/training.htm</a>.</p> <p>Within 6 months of commencing duties, watch <i>Asking the Right Questions in Stormwater Review Training Tool</i>. Once per term thereafter, watch at least one of the online DEP videos in the series available under Post-Construction Stormwater Management. Indicate the location of records documenting the names, video titles, and dates completed for each board and governing body member.</p>		



**C. Stormwater Management Design Reviewer Training:** All design engineers, municipal engineers, and others who review the stormwater management design for development and redevelopment projects on behalf of the municipality must attend the first available class upon assignment as a reviewer and every five years thereafter. The course is a free, two-day training conducted by DEP staff. Training dates and locations are posted at [www.nj.gov/dep/stormwater/training.htm](http://www.nj.gov/dep/stormwater/training.htm). Indicate the location of the DEP certificate of completion for each reviewer.

## SPPP Form 12 – Outfall Pipes

All records must be available upon request by NJDEP.

1. **Mapping:** Attach an image or provide a link to the most current outfall pipe map. Maps shall be updated at the end of each calendar year.

A copy of the “Stormwater Outfall Map” is presented in Appendix A of this report.

*Note that ALL maps must be electronic by 21 Dec 2020 via the DEP's designated electronic submission service. For details, see [http://www.nj.gov/dep/dwq/msrp\\_map\\_aid.htm](http://www.nj.gov/dep/dwq/msrp_map_aid.htm).*

2. **Inspections:** Describe the outfall pipe inspection schedule and indicate the location of records of dates, locations, and findings.

### Location of Inspection Records:

Township of Evesham  
Municipal Building  
984 Tuckerton Road  
Marlton, New Jersey 08053  
T. 856-983-2900

### Inspection Schedule:

The Township of Evesham has an on-going inspection cycle of each owned and maintained outfall pipe. The visual inspection will be completed once every five (5) years for each outfall pipe. A maintenance log will be maintained indicating the number and location of outfall pipes inspected, repairs prioritized, and repairs scheduled or performed.

3. **Stream Scouring:** Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes. Indicate the location of records related to cases of localized stream scouring. Such records must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases.

During the visual inspection of each owned and maintained outfall pipes, stream and embankment scour will be inspected. All sites with evidence of outfall pipe stream scouring will be placed on a prioritized list and repairs will be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C. 2:90-1) and in the rules and regulations stated in the NJDEP Flood Hazard Area Control Act (N.J.A.C. 7:13). All associated maintenance or repairs for stormwater facilities must be made in accordance with the design performance standards and maintenance requirements set forth in the New Jersey Stormwater Best Management Practices Manual. In addition, repairs that do not need NJDEP permits for those repairs may be performed first.

We will follow each repair up with an annual inspection of the site to assure that scouring has not resumed.

When a site is identified, we will insert the date we plan on repairing the scouring, and the method of repair we will use.

When repairs are completed, we will note the date of that repair on this form.

Note that the Township only maintains Township-owned drainage structures.

Private structures shall be maintained by the Owner and/or his agent (i.e., Homeowners Association).

## SPPP Form 13 – Stormwater Facilities Maintenance

All records must be available upon request by NJDEP.

1. Detail the program in place for the long-term cleaning, operation and maintenance of each stormwater facility owned or operated by the municipality.

Develop, update, implement and enforce a program to ensure adequate long-term cleaning, operation and maintenance of stormwater facilities not owned or operated by the Tier A Municipality, not subject to the conditions of another NJPDES stormwater permit and constructed after February 7, 1984.

The Township of Evesham shall develop a plan/program to ensure adequate long-term cleaning, operations, and maintenance of stormwater facilities not owned or operated by the Township and not subject to the conditions of another NJPDES stormwater permit.

2. Detail the program in place for ensuring the long-term cleaning, operation and maintenance of each stormwater facility NOT owned or operated by the municipality.

The Township of Evesham shall develop an inspection plan/program to ensure the stormwater facility inspection and maintenance is performed pursuant to the maintenance plans, or as needed to ensure proper function and operation of each stormwater facility.

3. Indicate the location(s) of the Stormwater Facilities Inspection and Maintenance Logs listing the type of stormwater facilities inspected, location information, inspection dates, inspector name(s), findings, preventative and corrective maintenance performed.

Once the plan/program commences, the inspection and maintenance logs will be located at:

Township of Evesham  
Municipal Building  
984 Tuckerton Road  
Marlton, New Jersey 08053  
T. 856-983-2900

Note that maintenance activities must be reported in the annual report and records must be available upon request. DEP maintenance log templates are available at [http://www.nj.gov/dep/stormwater/maintenance\\_guidance.htm](http://www.nj.gov/dep/stormwater/maintenance_guidance.htm) (select specific logs from choices listed in the Field Manuals section).

*Additional Resources: The NJ Hydrologic Modeling Database contains information and maps of stormwater management basins. To view the database map, see <https://hydro.rutgers.edu>. To download data in an Excel format, see [https://hydro.rutgers.edu/public\\_data/](https://hydro.rutgers.edu/public_data/).*

## SPPP Form 14 – Total Maximum Daily Load Information

All records must be available upon request by NJDEP.

1. Using the Total Maximum Daily Load (TMDL) reports provided on [www.nj.gov/dep/dwq/msrp-tmdl-rh.htm](http://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm), list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

Based on the TMDL reports, the following water bodies are affected in the Township of Evesham:

### Applicable Stream TMDL(s)

Total Maximum Daily Loads for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region

Fecal Coliform - 2003 : Cooper River N and S Br :

Total Maximum Daily Loads for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region

Fecal Coliform - 2003 : Pennsauken Creek N and S Br :

Total Maximum Daily Loads for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region

Fecal Coliform - 2003 : Sharps Run :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Barton Run (above Kettle Run Road) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Barton Run (below Kettle Run Road) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Cooper River NB(above Springdale Road) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Kettle Run (above Centennial Lake) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Lake Pine / Centennial Lake & tribs :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Pennsauken Ck NB (above NJTPK) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Pennsauken Ck SB (above Rt 41) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Rancocas Ck SW Branch (above Medford br) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Rancocas Ck SW Branch (below Medford br) :

Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Rancocas Creek SB (below Rt 38) :

Total Maximum Daily Loads for Total Phosphorus To Address Four Streams Segments and Two Lakes in Cooper River Watershed, Camden County Lower Delaware Water Region

<p>Total Phosphorus - 2004 : Cooper River N and S Br :</p> <p><b>Applicable Lake TMDL(s)</b></p> <p>Total Maximum Daily Loads for Total Phosphorus To Address Four Streams Segments and Two Lakes in Cooper River Watershed, Camden County Lower Delaware Water Region</p> <p>Total Phosphorus - 2004 : Cooper River Lake : Total Maximum Daily Loads for Pathogens to Address 17 Lakes in the Lower Delaware Water Region</p> <p>Fecal Coliform - 2007 : Kings Grant Lake : Total Maximum Daily Loads for Pathogens to Address 17 Lakes in the Lower Delaware Water Region</p> <p>Fecal Coliform - 2007 : Lake Coxtoken : Report on the Establishment of Total Maximum Daily Load (TMDL) For Phosphorus in Strawbridge Lake, Moorestown Township, Burlington County, NJ Amendment to the Tri-County Water Quality Management Plan</p> <p>Total Phosphorus - 2000 : Strawbridge Lake : Total Maximum Daily Loads for Pathogens to Address 17 Lakes in the Lower Delaware Water Region</p> <p>Fecal Coliform - 2007 : Sturbridge Lake :</p> <p><b>Applicable Shellfish TMDL(s)</b></p> <p>Five Total Maximum Daily Loads for Total Coliform to Address Shellfish-Impaired Waters in Watershed Management Area 14</p> <p>Total coliform - 2006 : Mullica Middle-A, Mullica Upper-A :</p>	<p>2. Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.</p> <p>The Township has not yet implemented a plan to prioritize maintenance of stormwater facilities and identify and develop optional measures to address specific sources of stormwater-related pollutants contributing to a waterbody with an approved or adopted TMDL.</p>
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## SPPP Form 15 – Optional Measures

All records must be available upon request by NJDEP.

1. Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the Tier A MS4 NJPDES permit that prevents or reduces water pollution.

Evesham Township will use the Public Works Department to monitor all their roads and streets for erosion problems during normal patrols. All identified road erosion problems will be reported to Tom Kohl, Superintendent of Public Works. Identified areas of erosion will be evaluated and repairs prioritized. Maintenance personnel will then be assigned to the areas of concern, and the areas identified to have road erosion problems will be repaired in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. All maintenance personnel will maintain an inspection log and Tom Kohl will maintain a list of all repairs and the dates completed. The status of the Road Erosion Control Maintenance Program will be included in the Annual Report and Recertification

2. Has the permittee adopted a Refuse Container/Dumpster Ordinance?

The Township has adopted Ordinance No. 21-5-1983 (Collection on other than public streets).

§ 160-27 Garbage and refuse disposal units.

- A. All nonresidential uses shall provide and utilize outside trash enclosures (dumpsters) for the elimination of trash and/or garbage.
- B. All trash enclosures (except for single-family residences) shall be located so as to be hidden from the view of passing motorists and pedestrian traffic.
- C. All trash disposal units (except for single-family residences) shall be enclosed by a decorative fence.
- D. All trash disposal units shall separate and provide distinct approved containers for recyclable and nonrecyclable trash.
- E. Where refuse disposal units are used in townhouse or apartment dwellings, the following requirements shall apply:
  - (1) No more than one disposal unit will be permitted for each 10 dwelling units.
  - (2) Refuse disposal units shall be conveniently located within a minimum of 25 feet, but not more than 100 feet, of the building.
- F. Developers of new residential construction shall be responsible for paying for the cost that the municipality incurs for providing trash containers to all residential units in the development.  
[Added 6-16-2015 by Ord. No. 20-6-2015]



## **SPPP Appendices**

Appendix A - Stormwater Outfall Map

Appendix B - Attachment A – Measurable Goals and Implementation Schedule  
For Existing Permittees

Appendix C - Illicit Connection Inspection Report Form

Appendix D - Closeout Investigation Form

Appendix E - Attachment D – Major Development Stormwater Summary

Appendix F - Attachment E – Best Management Practices for Municipal Maintenance Yards and Other Ancillary  
Operations

Appendix G - Guidance Document for the Management of Street Sweeping and Other Road Cleanup Materials

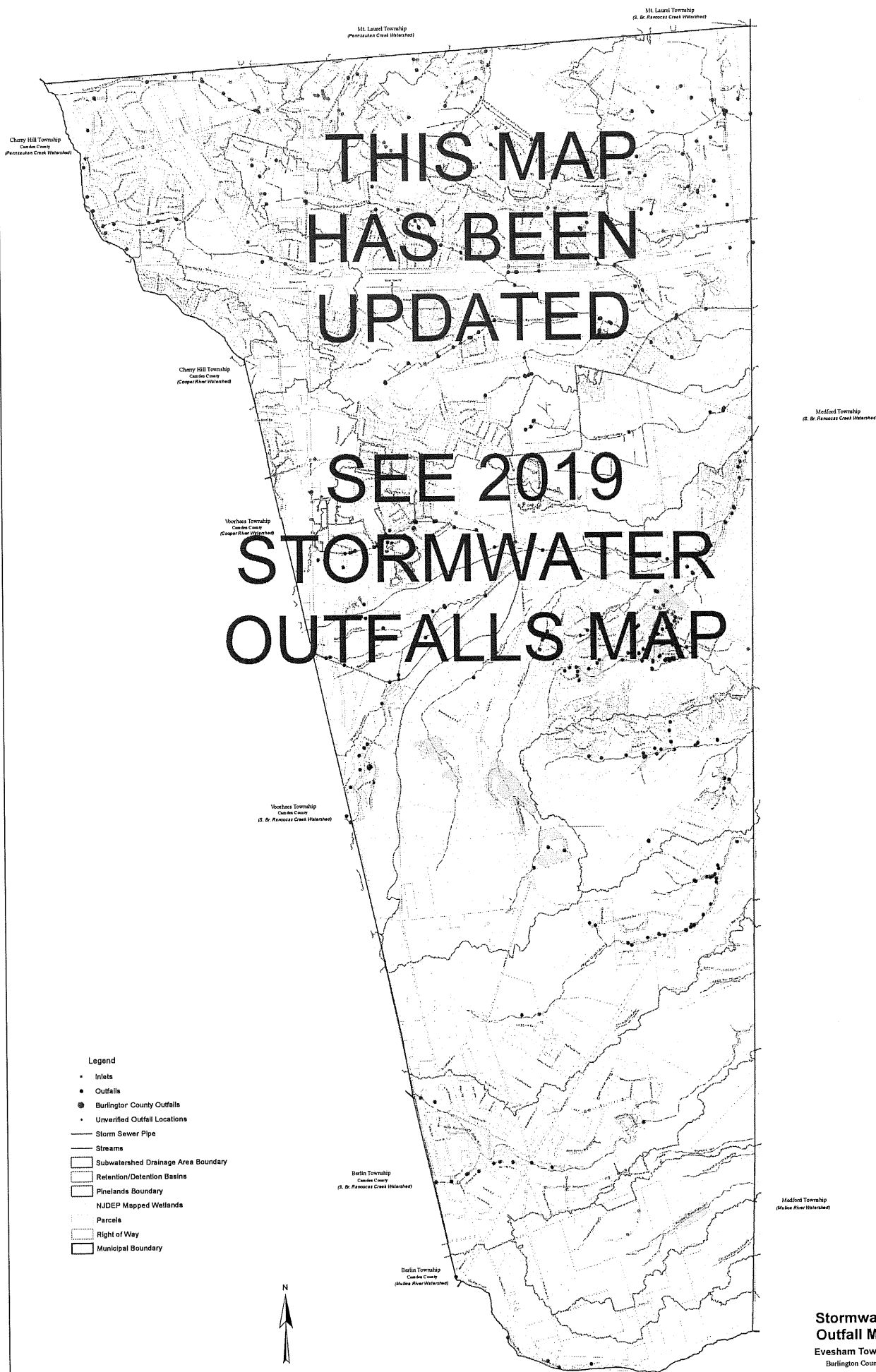
Appendix H - Total Maximum Daily Loads (TMDL) Guidance for Tier A MS4 Permittees

Appendix I - Evesham Township Municipal Maintenance Yard Inventory List

Appendix J - New Jersey Hydrologic Modeling Database Evesham Township Stormwater Management Basins

Appendix A  
Stormwater Outfall Map

# THIS MAP HAS BEEN UPDATED SEE 2019 STORMWATER OUTFALLS MAP



Note: This map was created utilizing GIS base data provided by NJDEP (New Jersey Geographic Information Network) and field verified outfall locations.

Appendix B  
Attachment A – Measurable Goals and Implementation Schedule  
For Existing Permittees

## Attachment A – Measurable Goals and Implementation Schedule for Existing Permittees

### General

The following table specifies the Measurable Goals and Implementation Schedule of this Tier A MS4 NJPDES Permit for Existing Permittees. Each Measurable Goal and Implementation Schedule is associated with a permit citation and a summary of the associated Minimum Standard. The summary of Minimum Standard column represents a paraphrase of permit conditions. Actual Minimum Standards are found in Part IV of the permit.

An indication of whether the cited Minimum Standard is a new requirement is provided in the last column. Where a requirement is not new and not modified (and for some that are modified), the Existing Permittee is expected to be in compliance on the Effective Date of Permit Authorization (EDPA). For most new requirements (and for some modified requirements), additional time is provided for achieving compliance.

See below for specific Measurable Goals that shall be documented in the SPPP. **The SPPP shall be updated as required by Part IV.F.1.c, above.** The Implementation Schedule refers to the date that a Minimum Standard must be incorporated into the Tier A Municipality's stormwater program, along with any ongoing requirements. In addition to the requirements of Part IV.F.1 above, the SPPP shall identify and discuss the Minimum Standard of each Statewide Basic Requirement (Part IV.B, above) and Other Control Measures (Part IV.C, above) where the following information is required for each item:

- Describe the method of implementation;
- Include required recordkeeping;
- Include an implementation schedule, consistent with permit requirements, including interim milestones;
- Include any special diagrams required by the permit (e.g., stormwater facilities map); and
- Include inspection and maintenance schedules, as appropriate.

This table does not include Measurable Goals and an Implementation Schedule for the Notes and Definitions Part IV, Part IV.A (Permit Overview), Part IV.D (Additional Measures), IV.E (Optional Measures), IV.F (SPPP), and IV.G (Annual Report and Certification) because these are not Statewide Basic Requirements or Other Control Measures (see N.J.A.C. 7:14A-25.6). While not included in this table, Notes and Definitions Part IV, Part IV.A, D, E, F, and G are permit requirements and compliance is required.

Measurable Goals for Statewide Basic Requirements and Other Conditions of this Permit for Existing Permittees				
Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
<b>Public Involvement and Participation Including Public Notice</b>				
Provide for public notice under the Open Public Meetings Act, statutory procedures for enactment of ordinances, and Municipal Land Use Law when providing for public participation in the development and implementation of a stormwater program, and maintain records necessary to demonstrate compliance.	IV.B.1.a & d	Certify in each annual report that all public notice requirements have been met and relevant records kept. Reference in the SPPP the location of associated municipal records.	EDPA	No
Provide the current SPPP to the public upon request.	IV.B.1.b.i	Certify in each annual report that the SPPP was made available to the public.	EDPA	No
Post the current SPPP on the municipality's website.	IV.B.1.b.ii	Certify in each annual report that the SPPP has been posted on the municipality's website (to the extent required by Part IV.F.1.f) and that the posted SPPP is current.	EDPA	No
Post the current Municipal Stormwater Management Plan (MSWMP) and related ordinances on the municipality's website.	IV.B.1.b.iii	Certify in each annual report that the MSWMP and related ordinances have been posted on the municipality's website and that the posted documents are current.	EDPA	No
<b>Local Public Education and Outreach</b>				
Implementation of a Public Education and Outreach Program by conducting activities that total a minimum of 12 points on an annual basis.	IV.B.2.a	Certify in each annual report that the minimum point value has been met and report point totals in the Annual Report. Maintain records of materials and activities from Attachment B, including dates of activities and any other relevant documentation (e.g. brochures, pictures, sign-in sheets, press clippings).	EDPA	No
Label storm drain inlets, maintain the legibility of those labels, and replace labels that are missing or not legible along sidewalks that are adjacent to municipal streets; and within plazas, parking areas or maintenance yards operated by the municipality.	IV.B.2.b	Certify in each annual report that storm drains have been properly labeled and/or maintained. Records tracking storm drain inlet label status shall be kept with the SPPP.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Advertise public involvement program(s) pertaining to education and outreach activities.	IV.B.2.c	Certify in each annual report that public involvement program(s) have been properly advertised on the website, through a mailing, through newspaper advertisement, or other similar means. Public advertisement records shall be kept with the SPPP.	EDPA	No
<b>Post Construction Stormwater Management in New Development and Redevelopment</b>				
Develop, update, implement and enforce its post construction stormwater management program in new development and redevelopment to ensure compliance with the Stormwater Management rules (N.J.A.C. 7:8).	IV.B.4.a, b, c, d, e, f, g, h, i, j, l	Certify in each annual report that the Tier A Municipality has developed, and is implementing and enforcing a program to address stormwater runoff from new development and redevelopment projects. Records demonstrating compliance with Part IV.B.4 shall be kept, or their location shall be referenced, in the SPPP.	EDPA	No
For each structural and non-structural stormwater measure (e.g. basins), for which an application is made to the municipality after EDPA, the municipality shall complete, update, finalize and maintain a Major Development Stormwater Summary.	IV.B.4.k	Certify in each annual report that Major Development Stormwater Summaries (Attachment D) have been completed and records have been maintained by the Tier A municipality. Records demonstrating compliance with Part IV.B.4 shall be kept, or their location shall be referenced, in the SPPP.	EDPA	No
<b>Pollution Prevention/Good Housekeeping - Community Wide Ordinances</b>				
Adopt and enforce a pet waste ordinance. Distribute pet waste ordinance information with pet licenses.	IV.B.5.a.i	Certify in each annual report the date the ordinance was adopted, that it is being enforced and that pet waste ordinance information is distributed with pet licenses. A log of enforcement actions and information distribution dates shall be kept in the SPPP.	EDPA	No
Adopt and enforce a wildlife feeding ordinance.	IV.B.5.a.ii	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Adopt and enforce a litter control ordinance.	IV.B.5.a.iii	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
Adopt and enforce an improper disposal of waste ordinance.	IV.B.5.a.iv	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
Adopt and enforce a containerized yard waste / yard waste collection program ordinance.	IV.B.5.a.v	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
Adopt and enforce a private storm drain inlet retrofitting ordinance	IV.B.5.a.vi	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
<b>Pollution Prevention/Good Housekeeping - Community Wide Measures</b>				
Develop and continue to implement street sweeping measures as specified at Part IV.B.5.b.i.	IV.B.5.b.i	Certify in each annual report that a street sweeping schedule is being maintained as well as records including the date and areas swept, number of miles of streets swept, and the total amount of materials collected in wet tons. Include totals in the Annual Report and keep records in the SPPP.	EDPA	No
Develop and continue to implement catch basin and storm drain inlet inspection and cleaning measures as specified at Part IV.B.5.b.ii.	IV.B.5.b.ii	Certify in each annual report that a catch basin and storm drain inlet inspection and cleaning schedule is being maintained, and a log indicating the number of municipally owned and operated catch basins and inlets within the municipality, the number of catch basins and inlets inspected, and the number cleaned is being maintained. Maintain records documenting the amount of materials collected in wet tons during cleaning activities in the SPPP. Include totals in the Annual Report.	EDPA	No



Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Develop and continue to implement storm drain inlet retrofit measures as specified at Part IV.B.5.b.iii.	IV.B.5.b.iii	Certify in each annual report that a record of the number and location of storm drain inlets retrofitted as well as the number and location of storm drain inlets exempted is being maintained. Include totals in the Annual Report and keep records in the SPPP.	EDPA	No
<b>Pollution Prevention/Good Housekeeping - Municipal Maintenance Yards and Other Ancillary Operations</b>				
Implement the BMP's found in Attachment E, including the Inventory of Materials and Machinery, and Inspections and Good Housekeeping practices, at Municipal Maintenance Yards and Other Ancillary Operations.	IV.B.5.c	Certify in each annual report that the SPPP includes all applicable requirements and that the requirements (including maintenance of inspection logs and tracking forms) of Attachment E have been met. Keep records required by Attachment E in the SPPP.	EDPA	No
BMPs shall be implemented for fueling operations.	IV.B.5.c.i	Certify in each annual report that BMPs in Attachment E have been implemented for fueling operations.	EDPA	No
BMPs shall be implemented for discharge of stormwater from secondary containment.	IV.B.5.c.ii	Certify in each annual report that BMPs in Attachment E have been implemented for discharge of stormwater from secondary containment.	EDPA	No
BMPs shall be implemented for vehicle maintenance.	IV.B.5.c.iii	Certify in each annual report that BMPs in Attachment E have been implemented for vehicle maintenance.	EDPA	No
BMPs shall be implemented for on-site equipment and vehicle washing and wash wastewater containment.	IV.B.5.c.iv	Certify in each annual report that BMPs in Attachment E have been implemented for on-site equipment and vehicle washing and wash wastewater containment.	EDPA	No
BMPs shall be implemented for salt and de-icing material storage and handling.	IV.B.5.c.v	Certify in each annual report that BMPs in Attachment E have been implemented for salt and de-icing material storage and handling.	EDPA	No
BMPs shall be implemented for aggregate material and construction debris storage.	IV.B.5.c.vi	Certify in each annual report that BMPs in Attachment E have been implemented for aggregate material and construction debris storage.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
BMPs shall be implemented for street sweepings and catch basin clean-out material storage.	IV.B.5.c.vii	Certify in each annual report that BMPs in Attachment E have been implemented for street sweepings and catch basin clean-out material storage.	EDPA	No
BMPs shall be implemented for yard trimmings and wood waste management sites.	IV.B.5.c.vii i	Certify in each annual report that BMPs in Attachment E have been implemented for yard trimmings and wood waste management sites.	EDPA	No
BMPs shall be implemented for roadside vegetation management.	IV.B.5.c.ix	Certify in each annual report that BMPs in Attachment E have been implemented for roadside vegetation management.	EDPA	No
<b>Pollution Prevention/Good Housekeeping - Training Program</b>				
Provide training to municipal employees within 3 months of commencement of duties, and at least once every two years thereafter, to address all required components. The exceptions are Part IV.B.5.d.v, viii, and x which require annual training instead of once every two years.	IV.B.5.d	Certify in each annual report that employee training has been conducted, and maintain records including sign in sheet(s), date(s) of training, and training agenda(s). These records shall be kept in the SPPP.	EDPA + 12 months	No
Ensure that individuals that review development and redevelopment projects for compliance with N.J.A.C. 7:8 on behalf of the municipality complete Department approved training once every five years.	IV.B.5.e	Certify in each annual report that individuals reviewing projects have completed the required training, and maintain a list of the names and dates that individuals received training. This list shall be kept in the SPPP.	EDPA	No
Ensure that current Municipal Board and Governing Body Members that review and approve applications for development and redevelopment projects complete the "Training Tool" on or before EDPA + 6 months, and by new members within 6 months of commencement of duties. Once per term of service thereafter, Municipal Board and Governing Body Members must review at least one of the tools offered under the Post-Construction Stormwater Management website.	IV.B.5.f	Certify in each annual report that municipal board and governing body members have completed the necessary training, and maintain a list of the names and dates that individuals completed training. This list shall be kept in the SPPP.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
<b>MS4 Outfall Pipe Mapping and Illicit Discharge and Scouring Detection and Control</b>				
Develop, update and maintain an MS4 Outfall Pipe Map showing the location of the end of all outfall pipe which discharge to a surface water body.	IV.B.6.a.i	Certify in each annual report that the outfall pipe map is current at the end of the calendar year.	EDPA	No
Show the location (and name where known) of all surface water bodies receiving discharges from those outfall pipes.	IV.B.6.a.ii	Certify in each annual report that the surface water bodies associated with each outfall pipe end is located on the map.	EDPA	No
Include Outfall Pipe map in the SPPP	IV.B.6.a.iii	Certify in each annual report following the implementation deadline that the Outfall Pipe Map is included in the SPPP.	EDPA	No
Provide Outfall Pipe Map to the Department	IV.B.6.a.iv	Certify in each annual report following the implementation deadline that the Outfall Pipe Map and any new data points subsequently added to the map have been provided to the Department.	EDPA	No
Submitted the Outfall Pipe Map information to the Department electronically by December 21, 2020	IV.B.6.a.v	Submit the Outfall Pipe Map information to the Department using Department's designated electronic submission service by December 21, 2020.	EDPA	No
Develop, update and implement a program to detect, investigate and control localized stream scouring from stormwater outfall pipes.	IV.B.6.b	Certify in each annual report that municipally owned outfall pipes have received the required visual inspection at least once every five years and maintain a log indicating the number and location of outfall pipes inspected, repairs prioritized, and repairs scheduled or performed. Certify in the annual report that a repair schedule has been prepared for those that have not been completed. Keep records required by Part IV.B.6.b in the SPPP.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Develop, update, implement and enforce an ongoing Illicit Discharge Detection and Elimination Program.	IV.B.6.c	Certify in each annual report that the municipality has developed a program to detect and eliminate illicit discharges and has conducted inspections required at Part IV.B.6.c at least once every five years. Document all investigations and actions taken on the Department's Illicit Connection Inspection Report Form. Keep records required by Part IV.B.6.c in the SPPP.	EDPA	No
Adopt and enforce an ordinance that prohibits illicit connections to the MS4 operated by the Tier A Municipality.	IV.B.6.d	Certify in each annual report that the ordinance is being maintained and the date it was adopted. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
<b>Stormwater Facilities Maintenance</b>				
Develop, update and implement a program to ensure adequate long-term cleaning, operation and maintenance of all stormwater facilities owned or operated by the Tier A Municipality.	IV.C.1.a	Certify in each annual report that the municipality has developed, updated and implemented a program to ensure adequate long-term cleaning, operation and maintenance of all municipally owned stormwater facilities.  Records required by Part IV.C.1.a, a.i, a.ii, a.iii and a.iv shall be kept, or their location shall be referenced, in the SPPP.	EDPA	No
Inspect and maintain stormwater facilities pursuant to any maintenance plans, or more frequently as needed, to ensure proper function and operation of each stormwater facility.	IV.C.1.a.i	Certify in each annual report that inspections and maintenance was performed pursuant to any maintenance plans, or more frequently as needed, to ensure proper function and operation of stormwater facilities.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Maintain a log sufficient to demonstrate compliance with this section; including but not limited a list of inspections and preventative and corrective maintenance performed, and a schedule for repairs to be made.	IV.C.1.a.ii	Certify in each annual report that a maintenance log is kept that, at a minimum, records the stormwater facility inspected, location information of the facility inspected (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates), name of inspector, date of inspection, findings, and any preventative and corrective maintenance performed.	EDPA	No
Certify annually that municipally owned or operated stormwater facilities are properly functioning.	IV.C.1.a.iii	Certify in each annual report that all municipally owned or operated stormwater facilities are properly functioning.	EDPA	No
If stormwater facilities were found not to be functioning properly and repairs not made, then necessary preventative and corrective maintenance shall be documented and prioritized and a schedule for maintenance shall be maintained.	IV.C.1.a.iv	Certify in each annual report that a prioritized schedule of necessary preventive and corrective maintenance exists for stormwater facilities inspected and found not to be functioning properly. The municipality shall prioritize this schedule as specified in Part IV.C.1.iv.	EDPA	No
Develop, update, implement and enforce a program to ensure adequate long-term cleaning, operation and maintenance of stormwater facilities not owned or operated by the Tier A Municipality, not subject to the conditions of another NJPDES stormwater permit and constructed after February 7, 1984.	IV.C.1.b	Certify in each annual report that the municipality has developed, updated, implemented and enforced a program to ensure adequate long-term cleaning, operation and maintenance of stormwater facilities not owned and operated by the municipality, not subject to the conditions of another NJPDES stormwater permit and constructed after February 7, 1984.  Records required by Part IV.C.1.b, b.i and b.ii shall be kept, or their location shall be referenced, in the SPFP.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Ensure that stormwater facility inspection and maintenance is performed pursuant to any maintenance plans, or more frequently as needed to ensure proper function and operation of each stormwater facility.	IV.C.1.b.i	Certify in each annual report that maintenance was performed pursuant to any maintenance plans, or more frequently, to ensure proper function and operation of stormwater facilities not owned and operated by the municipality.	EDPA	No
Maintain a log sufficient to demonstrate compliance with this section; including but not limited actions taken by the municipality to enforce compliance with the long-term cleaning, operation and maintenance program.	IV.C.1.b.ii	Certify in each annual report that a log is being kept that, at a minimum, records the actions taken by the municipality to enforce compliance with the long-term cleaning, operation and maintenance program; the stormwater facility that was the subject of the action; location information of the facility that was the subject of the action (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates); the name of person taking the action; the date of the action; and the findings.	EDPA	No
Maintain copies of all maintenance plans for stormwater facilities approved by the municipality, and make them available to the Department upon request.	IV.C.1.c	Certify in each annual report that copies of all maintenance plans are kept on file. Records required by Part IV.C.1.c shall be kept, or their location shall be referenced, in the SPPP.	EDPA	No
<b>Total Maximum Daily Load (TMDL) Info.</b>				
Annually review approved or adopted TMDL reports to identify stormwater related pollutants listed therein and associated with any segment of surface water wholly or partially within or bordering the Tier A Municipality.	IV.C.2.a.i	Certify in each annual report that approved or adopted TMDLs have been identified and reviewed and stormwater related pollutants identified.  Records required by Part IV.C.2.a.i, a.ii and a.iii shall be kept in the SPPP.	EDPA	No

Summary of Minimum Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Use TMDL information identified in compliance with Part IV.C.2.a.i to: (1) assist in the prioritization of stormwater facility maintenance including schedules for repairs related to Stream Scouring and Stormwater Facilities Maintenance; and (2) identify and develop strategies to address specific sources of stormwater related pollutants contributing to discharges authorized under this Tier A MS4 NJPDES permit.	IV.C.2.a.ii	Certify in each annual report that the municipality has used information identified in compliance with Part VI.C.2.a.i to (1) assist in the prioritization of repairs as required at Part IV.B.6.b.iv (Stream Scouring) and IV.C.31.a.iv (Stormwater Facilities Maintenance); and (2) identify and develop strategies to address specific sources of stormwater related pollutants contributing to discharges authorized under this Tier A MS4 NJPDES permit.	EDPA	No
Update SPPP to list information identified in Part VI.C.2.a.i and ii.	IV.C.2.a.iii	Certify in each annual report that the municipality has updated its SPPP to list information identified in Part VI.C.2.a.i and ii.	EDPA	No
Incorporate any strategies identified in Part VI.C.2.a.ii(2) as an Optional Measure	IV.C.2.a.iv	Certify in each annual report that the municipality has incorporated any strategies identified in Part VI.C.2.a.ii(2) as an Optional Measure.	EDPA	No

## Attachment B – Points System for Public Education and Outreach Activities

The Tier A Municipality shall implement a Public Education and Outreach Program that focuses on educational and pollution prevention activities about the impacts of stormwater discharges on surface water and groundwater and to involve the public in reducing pollutants in stormwater runoff and mitigating flow.

The Tier A Municipality shall **annually** conduct educational activities that total at least **12 points** and include activities from at least three of the five categories found below. At a minimum, at least one of the activities shall involve educating businesses and the general public of hazards associated with illicit connections and improper disposal of waste. Each approved activity is listed below with an assigned point value. Additional information on how to conduct these Public Education and Outreach activities can be found under Notes and Definitions Part IV.A.3 and 4 of this Tier A MS4 NJPDES permit. Records shall be kept necessary to demonstrate compliance with this requirement, including date of activities and any other relevant documentation.

Category 1: General Public Outreach		
Activity	Description	Points
<b>Website and Social Media</b>	Maintain a stormwater related page on the municipal website or on a municipal social media site. The web page may include links to other stormwater related resources, including the NJDEP stormwater website ( <a href="http://www.njstormwater.org">www.njstormwater.org</a> ).	1
<b>Newspaper Ad</b>	Use Department created and approved stormwater education materials available on <a href="http://www.cleanwater.nj.org">www.cleanwater.nj.org</a> to publish an ad in a newspaper or newsletter that serves the municipality.	1
<b>Radio/Television</b>	Broadcast a radio or television public service announcement from <a href="http://www.cleanwater.nj.org">www.cleanwater.nj.org</a> on a local radio or municipal public service channel.	1
<b>Green Infrastructure Signage</b>	Post signs at municipally-owned green infrastructure sites that describe the function and importance of the infrastructure, contact phone number, municipal identification number, and/or website for more information.  *New signs receive 0.5 credits per sign. Existing signs that are maintained or upgraded receive 0.25 credits per sign. A maximum of 5 credits are allowed.	5*
<b>Billboard/Sign</b>	Produce and maintain (for credit in subsequent years) a billboard or sign which can be displayed on a bus, bus stop shelter, recreation field (outfield sign), or other similar public venue.	2
<b>Mural</b>	Produce and maintain (for credit in subsequent years) the planning and painting of a stormwater pollution themed mural, storm drain art or other artwork at a local downtown/commercial area or other similar public venue.	2
<b>Stormwater Facility Signage</b>	Post signs at municipally-owned stormwater management basins or other structural stormwater related facilities that describe the function and importance of the facility, contact phone number, municipal identification number, and/or website for more information.  *New signs receive 0.5 credits per sign. Existing signs that are maintained or upgraded receive 0.25 credits per sign. A maximum of 5 credits are allowed.	5*



Category 2: Targeted Audiences Outreach		
Activity	Description	Points
<b>Stormwater Display</b>	Present a stormwater related display or materials at any municipal event (e.g., Earth Day, town picnic), at the municipal building or other similar public venue.	1
<b>Promotional Item</b>	Distribute an item or items with a stormwater related message (e.g., refrigerator magnets, temporary tattoos, key chains, bookmarks, pet waste bag dispensers, coloring books, and pens or pencils). Municipality must initially have available a minimum number of the items equal to 10% of the municipal population.	2
<b>Mailing or e-Mailing Campaign</b>	Provide information to all known owners of stormwater facilities not owned or operated by the municipality (i.e., privately owned) highlighting the importance of proper maintenance of stormwater measures. For assistance, see information at <a href="http://www.nj.gov/dep/stormwater/maintenance_guidance.htm">www.nj.gov/dep/stormwater/maintenance_guidance.htm</a> .	3
<b>Mailing or e-Mailing Campaign</b>	Distribute any of the Department's educational brochures, tip cards, or a municipally produced equivalent (e.g., community calendar, newsletter, or recycling schedule) via a mailing to every resident and business in the municipality.	2
<b>Ordinance Education</b>	Distribute a letter or e-mail from the mayor or municipal official to every resident and business in the municipality highlighting the requirements and environmental benefits of the Pet Waste, Wildlife Feeding, Litter Control, Improper Disposal of Waste, Containerized Waste/Yard Waste Collection, Private Storm Drain Inlet Retrofitting and Illicit Connection ordinances. Provide a link to the municipal website where subject ordinances are posted.	3

Category 3: School / Youth Education and Activities		
Activity	Description	Points
<b>School Presentations</b>	Provide water-related educational presentation(s) and/or activities to local preschool, elementary, middle, and/or high school classes using municipal staff or local partner organizations. Topics could include stormwater, nonpoint source pollution, watersheds, water conservation and water quality. For ideas, see information at <a href="http://www.nj.gov/dep/seeds">www.nj.gov/dep/seeds</a> .  *Presentations receive 1 credit per presentation, with a maximum of 5 credits allowed.	5*
<b>Water Education Workshops</b>	Provide water-related professional development workshops for local teachers from a registered NJ Department of Education Professional Development Provider.	2
<b>Storm Drain Labeling</b>	Organize a project to label and/or maintain storm drain labels (that are not already precast with a message) with a scout troop, local school district, or faith based group, or other community youth group for a minimum of 40 labels. This project could also include stenciling over precast labels to improve legibility.	3
<b>Educational Contest for Schools</b>	Organize an educational contest with a local school district or a local community organization serving youth to design a poster, magnet, rain stick, rain barrel or other craft/art object. Contest themes shall have an appropriate stormwater message. Winning entries are to be displayed at publicly accessible locations within the municipality such as at the town hall, library, post office, or school. The winning design should be shown on the municipality's website or social media site, if practical.	3
<b>AmeriCorps Event</b>	Coordinate an event (e.g. volunteer stream monitoring, educational presentations, or stormwater awareness project) through <a href="#">AmeriCorps NJ Watershed Ambassador Program</a>	4
<b>Clean-up</b>	Sponsor or organize a litter clean up for a scout troop, local school district, faith based group or other community youth group along a local waterway, public park, stormwater facility, or in an area with storm drains that discharge to a local lake or waterway.	3

Category 4: Watershed/Regional Collaboration		
Activity	Description	Points
<b>Regional Stormwater Collaboration</b>	Participate in a regional stormwater, community collaborative or other watershed-based group on a regular basis to discuss impaired waterbodies, TMDLs, regional stormwater related issues, or watershed restoration plans that address those waterbodies. Evaluate, develop and implement remedies that resolve stormwater-related issues within the affected waterbody or watershed.	3
<b>Green Infrastructure Workshop</b>	Organize or participate in a rain barrel, rain garden or other green infrastructure workshop on a regional or watershed basis. This could be a partnership exercise with a local watershed organization, utility, university, school, youth/faith based group, and/or other organization.	3
<b>Community Activity</b>	Organize or participate in the organization of a regional or watershed based event to carry out stormwater activities such as stormwater facility maintenance or litter clean-up. The municipality may identify and enter into a partnership agreement with a local group such as a watershed organization, utility, university, school, youth/faith based group, and/or other organization to carry out these activities	3

Category 5: Community Involvement Activities		
Activity	Description	Points
<b>Volunteer Stormwater Assessment or Stream Monitoring</b>	Establish a volunteer stormwater facility assessment (inspection, inventory and/or mapping) or stream monitoring program for a waterbody within the municipality in order to gauge the health of the waterway through chemical, biological or visual monitoring protocols. Contact NJDEP's <a href="#">AmeriCorps NJ Watershed Ambassador Program</a> or review <a href="#">USEPA National Directory of Volunteer Monitoring Programs</a> .	3
<b>Rain Barrel Workshop</b>	Organize or participate in a rain barrel workshop. This could be a partnership exercise with a local watershed organization, university, school, youth/faith based group, and/or other nonprofit.	3
<b>Rain Garden Workshop</b>	Organize or participate in a rain garden training or installation workshop. This could be a partnership exercise with a local watershed organization, university, school, youth/faith based group, and/or other nonprofit.	3
<b>Community Event</b>	Organize or participate in the organization of a community event to carry out stormwater activities such as stormwater measure maintenance or a stream buffer restoration. The municipality may identify and enter into a partnership agreement with a local group such as a watershed organization, university, utility, school, youth/faith based group, and/or other nonprofit to carry out these activities.	3
<b>Community Involvement</b>	Organize a project with a local organization to create and post signs at either green and/or gray stormwater infrastructure sites or facilities that describe the function and importance of the facility, contact phone number, municipal identification number, and/or website for more information.  *Signs receive 0.5 credits per sign. A maximum of 5 credits are allowed.	5*

## Attachment C - Design Standards for Storm Drain Inlets

### Application of Design Standard

The below design standard applies to the following types of storm drain inlet installation or retrofit projects unless a more stringent standard is specified by the municipality's stormwater control ordinance:

- Storm drain inlets installed as part of new development and redevelopment (public or private) that disturb one acre or more;
  - Storm drain inlets installed as part of new development and redevelopment (public or private) that disturb less than one acre that are part of a larger common plan of development or sale (e.g. phased residential development) that ultimately disturbs one acre or more;
- Tier A Municipality owned or operated storm drain inlets must be retrofitted where the storm drains are (1) in direct contact with any repaving, repairing (excluding individual pothole repair), or resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen); or (2) in direct contact with any reconstruction or alteration of facilities; and
- Privately owned or operated storm drain inlets (e.g. condominium association) must be retrofitted where the storm drains are (1) in direct contact with any repaving, repairing (excluding individual pothole repair), or resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen); or (2) in direct contact with any reconstruction or alteration of facilities. This does not include single family homes.

### Design Standard

Grates in pavement or other ground surfaces shall meet either of the following standards:

- The New Jersey Department of Transportation (NJDOT) bicycle safe grate standards described in Chapter 2.4 of the NJDOT Bicycle Compatible Roadways and Bikeways Planning and Design Guidelines (see [www.nj.gov/transportation/publicat/pdf/BikeComp/intrototofac.pdf](http://www.nj.gov/transportation/publicat/pdf/BikeComp/intrototofac.pdf)); or
- A grate where each individual clear space in that grate has an area of no more than seven (7.0) square inches, or is not greater than 0.5 inches across the smallest dimension. Note that the Residential Site Improvement Standards at N.J.A.C. 5:21 include requirements for bicycle safe grates.

Examples of grates subject to this standard include grates in grate inlets; the grate portion (non-curb opening portion) of combination inlets; grates on storm sewer manholes; ditch grates; trench grates; and grates of spacer bars in slotted drains. Examples of ground surfaces include surfaces of roads, (including bridges), driveways, parking areas, bikeways, plazas, sidewalks, lawns, fields, open channels, and stormwater basin floors used to collect stormwater from the surface into a storm drain or surface water body

For curb-openings inlets, including curb-opening inlets in combination inlets, the clear space in the curb opening, or each individual clear space if the curb opening has two or more clear spaces, shall have an area of no more than seven (7.0) square inches or be no greater than two (2.0) inches across the smallest dimension.

### Exemptions from the Design Standard

- Where each individual clear space in the curb opening in existing curb-opening inlets does not have an area of more than nine (9.0) square inches;
- Where the review agency determines that the standards would cause inadequate hydraulic performance that could not practicably be overcome by using additional or larger storm drain inlets;
- Where flows from the water quality design storm as specified in N.J.A.C. 7:8 are conveyed through any device (e.g., end of pipe netting facility, manufactured treatment device, or a catch basin hood) that is designed, at a minimum, to prevent delivery of all solid and floatable materials that could not pass through one of the following:

A rectangular space four and five-eighths inches long and one and one-half inches wide (this option does not apply for outfall netting facilities); or

A bar screen having a bar spacing of 0.5 inches;

Note that these exemptions do not authorize any infringement of requirements in the Residential Site Improvement Standards for bicycle safe grates in new residential development (N.J.A.C. 5:21-4.18(b)2 and 7.4(b)1).

- Where flows are conveyed through a trash rack that has parallel bars with one inch (1") spacing between the bars, to the elevation of the water quality design storm as specified in N.J.A.C. 7:8; or
- Where the Department determines, pursuant to the New Jersey Register of Historic Places Rules at N.J.A.C. 7:4-7.2(c), that action to meet the standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register listed historic property.

1. Project Name:			
2. Municipality:	County:	Block(s):	Lot(s):
3. Site Location (State Plane Coordinates – NAD83):		E:	N:
4. Date of Final Approval for Construction by Municipality: Date of Certificate of Occupancy:			
5. Project Type (circle all that apply): Residential   Commercial   Industrial   Other (please specify) _____			
6. Soil Conservation District Project Number:			
7. Did project require NJDEP Land Use Permit?	Yes	No	Land Use Permit #:
8. Did project require the use of any mitigation measures?	Yes	No	
If yes, which standard was mitigated?			

1. Area of Disturbance (acres):	Area of Proposed Impervious (acres):
2. List all Hydrologic Soil Groups:	
3. Please Identify the Amount of Each Best Management Practices (BMPs) Utilized in Design Below:	
Bioretention Systems ____	Constructed Wetlands ____
Dry Wells ____	Extended Detention Basins ____
Infiltration Basins ____	Combination Infiltration/Detention Basins ____
Manufactured Treatment Devices ____	
Pervious Paving Systems ____	Sand Filters ____
Vegetative Filter Strips ____	Wet Ponds ____
Grass Swales	Subsurface Gravel Wetlands ____
Other	

Storm Event: Rainfall (inches and duration)		2 yr.: _____	10 yr.: _____
		100 yr.: _____	WQ DS: _____
Runoff Computation Method (circle one):			
NRCS: Dimensionless Unit Hydrograph	NRCS: Delmarva Unit Hydrograph	Rational	Modified Rational
Other: _____			

1. Type of Basin:	Surface/Subsurface (circle one)				
2. Owner (circle one):					
	Public	Private: If so, Name:		Phone number:	
3. Basin Construction Completion Date:					
4. Drain Down Time (hr.):					
5. Design Soil Permeability (in./hr.):					
6. Seasonal High Water Table Depth from Bottom of Basin (ft.):			Date Obtained:		
7. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other	NA	
8. Groundwater Mounding Analysis (circle one):	Yes	No	If, Yes Methodology Used:		
9. Maintenance Plan Submitted:	Yes	No	Is the Basin Deed Restricted:	Yes	No

Comments: \_\_\_\_\_

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

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

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*			
10. Type of Basin:	Surface/Subsurface (circle one)		
11. Owner (circle one):	Public Private: If so, Name: Phone number:		
12. Basin Construction Completion Date:			
13. Drain Down Time (hr.):			
14. Design Soil Permeability (in./hr.):			
15. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:		
16. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other NA
17. Groundwater Mounding Analysis (circle one):	Yes No	If, Yes Methodology Used:	
18. Maintenance Plan Submitted:	Yes No	Is the Basin Deed Restricted:	Yes No

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*			
19. Type of Basin:	Surface/Subsurface (circle one)		
20. Owner (circle one):	Public Private: If so, Name: Phone number:		
21. Basin Construction Completion Date:			
22. Drain Down Time (hr.):			
23. Design Soil Permeability (in./hr.):			
24. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:		
25. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other NA
26. Groundwater Mounding Analysis (circle one):	Yes No	If, Yes Methodology Used:	
27. Maintenance Plan Submitted:	Yes No	Is the Basin Deed Restricted:	Yes No

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*			
28. Type of Basin:	Surface/Subsurface (circle one)		
29. Owner (circle one):	Public Private: If so, Name: Phone number:		
30. Basin Construction Completion Date:			
31. Drain Down Time (hr.):			
32. Design Soil Permeability (in./hr.):			
33. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:		
34. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other NA
35. Groundwater Mounding Analysis (circle one):	Yes No	If, Yes Methodology Used:	
36. Maintenance Plan Submitted:	Yes No	Is the Basin Deed Restricted:	Yes No

Name of Person Filling Out This Form: \_\_\_\_\_

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

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

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

## **Attachment E – Best Management Practices for Municipal Maintenance Yards and Other Ancillary Operations**

The Tier A Municipality shall implement the following practices at municipal maintenance yards and other ancillary operations owned or operated by the municipality. Inventory of Materials and Machinery, and Inspections and Good Housekeeping shall be conducted at all municipal maintenance yards and other ancillary operations. All other Best Management Practices shall be conducted whenever activities described below occur. Ancillary operations include but are not limited to impound yards, permanent and mobile fueling locations, and yard trimmings and wood waste management sites.

### **Inventory of Materials and Machinery**

The SPPP shall include a list of all materials and machinery located at municipal maintenance yards and ancillary operations which could be a source of pollutants in a stormwater discharge. The materials in question include, but are not limited to: raw materials; intermediate products; final products; waste materials; by-products; machinery and fuels; and lubricants, solvents, and detergents that are related to the municipal maintenance yard operations and ancillary operations. Materials or machinery that are not exposed to stormwater at the municipal maintenance yard or related to its operations do not need to be included.

### **Inspections and Good Housekeeping**

1. Inspect the entire site, including the site periphery, monthly (under both dry and wet conditions, when possible). Identify conditions that would contribute to stormwater contamination, illicit discharges or negative impacts to the Tier A Municipality's MS4. Maintain an inspection log detailing conditions requiring attention and remedial actions taken for all activities occurring at Municipal Maintenance Yards and Other Ancillary Operations. This log must contain, at a minimum, a record of inspections of all operations listed in Part IV.B.5.c. of this permit including dates and times of the inspections, and the name of the person conducting the inspection and relevant findings. This log must be kept on-site with the SPPP and made available to the Department upon request. See the Tier A Municipal Guidance document ([www.nj.gov/dep/dwq/tier\\_a\\_guidance.htm](http://www.nj.gov/dep/dwq/tier_a_guidance.htm)) for additional information.
2. Conduct cleanups of spills of liquids or dry materials immediately after discovery. All spills shall be cleaned using dry cleaning methods only. Clean up spills with a dry, absorbent material (i.e., kitty litter, sawdust, etc.) and sweep the rest of the area. Dispose of collected waste properly. Store clean-up materials, spill kits and drip pans near all liquid transfer areas, protected from rainfall.
3. Properly label all containers. Labels shall be legible, clean and visible. Keep containers in good condition, protected from damage and spillage, and tightly closed when not in use. When practical, store containers indoors. If indoor storage is not practical, containers may be stored outside if covered and placed on spill platforms or clean pallets. An area that is graded and/or bermed to prevent run-through of stormwater may be used in place of spill platforms or clean pallets. Outdoor storage locations shall be regularly maintained.



### **Fueling Operations**

1. Establish, maintain and implement standard operating procedures to address vehicle fueling; receipt of bulk fuel deliveries; and inspection and maintenance of storage tanks, including the associated piping and fuel pumps.
  - a. Place drip pans under all hose and pipe connections and other leak-prone areas during bulk transfer of fuels.
  - b. Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms or booms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel shall be within the temporarily bermed or boomed area during the loading/unloading of bulk fuels. A trained employee shall be present to supervise the bulk transfer of fuel.
  - c. Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment. Include all of the following:
    - “Topping off of vehicles, mobile fuel tanks, and storage tanks is strictly prohibited”
    - “Stay in view of fueling nozzle during dispensing”
    - Contact information for the person(s) responsible for spill response.
  - d. Immediately repair or replace any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair.

### **Discharge of Stormwater from Secondary Containment**

The discharge pipe/outfall from a secondary containment area (e.g. fuel storage, de-icing solution storage, brine solution) shall have a valve and the valve shall remain closed at all times except as described below. A municipality may discharge stormwater accumulated in a secondary containment area if a visual inspection is performed to ensure that the contents of aboveground storage tank have not come in contact with the stormwater to be discharged. Visual inspections are only effective when dealing with materials that can be observed, like petroleum. If the contents of the tank are not visible in stormwater, the municipality shall rely on previous tank inspections to determine with some degree of certainty that the tank has not leaked. If the municipality cannot make a determination with reasonable certainty that the stormwater in the secondary containment area is uncontaminated by the contents of the tank, then the stormwater shall be hauled for proper disposal.

### **Vehicle Maintenance**

1. Operate and maintain equipment to prevent the exposure of pollutants to stormwater.
2. 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 used at all times. Use designated areas away from storm drains or block storm drain inlets when vehicle and equipment maintenance is being conducted outdoors.

### On-Site Equipment and Vehicle Washing and Wash Wastewater Containment

1. Manage any equipment and vehicle washing activities so that there are no unpermitted discharges of wash wastewater to storm sewer inlets or to waters of the State.
2. Tier A Municipalities which cannot discharge wash wastewater to a sanitary sewer or which cannot otherwise comply with 1, above, may temporarily contain wash wastewater prior to proper disposal under the following conditions:
  - a. Containment structures shall not leak. Any underground tanks and associated piping shall be tested for integrity every 3 years using appropriate methods determined by "*The List of Leak Detection Evaluations for Storage Tank Systems*" created by the National Work Group on Leak Detection Evaluations (NWGLDE) or as determined appropriate and certified by a professional engineer for the site specific containment structure(s).
  - b. For any cathodically protected containment system, provide a passing cathodic protection survey every three years.
  - c. Operate containment structures to prevent overfilling resulting from normal or abnormal operations, overfilling, malfunctions of equipment, and human error. Overfill prevention shall include manual sticking/gauging of the tank before each use unless system design prevents such measurement. Tank shall no longer accept wash wastewater when determined to be at 95% capacity. Record each measurement to the nearest ½ inch.
  - d. Before each use, perform inspections of all visible portions of containment structures to ensure that they are structurally sound, and to detect deterioration of the wash pad, catch basin, sump, tank, piping, risers, walls, floors, joints, seams, pumps and pipe connections or other containment devices. The wash pad, catch basin, sump and associated drains should be kept free of debris before each use. Log dates of inspection; inspector's name, and conditions. This inspection is not required if system design prevents such inspection.
  - e. Containment structures shall be emptied and taken out of service immediately upon detection of a leak. Complete all necessary repairs to ensure structural integrity prior to placing the containment structure back into service. Any spills or suspected release of hazardous substances shall be immediately reported to the NJDEP Hotline (1-877-927-6337) followed by a site investigation in accordance with N.J.A.C. 7:26C and N.J.A.C 7:26E if the discharge is confirmed.
  - f. All equipment and vehicle wash wastewater placed into storage must be disposed of in a legally permitted manner (e.g. pumped out and delivered to a duly permitted and/or approved wastewater treatment facility).
  - g. Maintain a log of equipment and vehicle wash wastewater containment structure clean-outs including date and method of removal, mode of transportation (including name of hauler if applicable) and the location of disposal. See Underground Vehicle Wash Water Storage Tank Use Log at end of this attachment.
  - h. Containment structures shall be inspected annually by a NJ licensed professional engineer. The engineer shall certify the condition of all structures including: wash pad, catch basin,

sump, tank, piping, risers to detect deterioration in the, walls, floors, joints, seams, pumps and pipe connections or other containment devices using the attached Engineer's Certification of Annual Inspection of Equipment and Vehicle Wash Wastewater Containment Structure. This certification may be waived for self-contained systems on a case-by-case basis. Any such waiver would be issued in writing by the Department.

3. Maintain all logs, inspection records, and certifications on-site. Such records shall be made available to the Department upon request.

### **Salt and De-icing Material Storage and Handling**

1. Store material in a permanent structure.
2. Perform regular inspections and maintenance of storage structure and surrounding area.
3. Minimize tracking of material from loading and unloading operations.
4. During loading and unloading:
  - a. Conduct during dry weather, if possible;
  - b. Prevent and/or minimize spillage; and
  - c. Minimize loader travel distance between storage area and spreading vehicle.
5. Sweep (or clean using other dry cleaning methods):
  - a. Storage areas on a regular basis;
  - b. Material tracked away from storage areas;
  - c. Immediately after loading and unloading is complete.
6. Reuse or properly discard materials collected during cleanup.
7. Temporary outdoor storage is permitted only under the following conditions:
  - a. A permanent structure is under construction, repair or replacement;
  - b. Stormwater run-on and de-icing material run-off is minimized;
  - c. Materials in temporary storage are tarped when not in use;
  - d. The requirements of 2 through 6, above are met; and
  - e. Temporary outdoor storage shall not exceed 30 days unless otherwise approved in writing by the Department;
8. Sand must be stored in accordance with Aggregate Material and Construction Debris Storage below.

### **Aggregate Material and Construction Debris Storage**

1. Store materials such as sand, gravel, stone, top soil, road millings, waste concrete, asphalt, brick, block and asphalt based roofing scrap and processed aggregate in such a manner as to minimize stormwater run-on and aggregate run-off via surface grading, dikes and/or berms (which may include sand bags, hay bales and curbing, among others) or three sided storage bays. Where possible the open side of storage bays shall be situated on the upslope. The area in front of storage bays and adjacent to storage areas shall be swept clean after loading/unloading.
2. Sand, top soil, road millings and processed aggregate may only be stored outside and uncovered if in compliance with item 1 above and a 50-foot setback is maintained from surface water bodies, storm sewer inlets, and/or ditches or other stormwater conveyance channels.
3. Road millings must be managed in conformance with the “Recycled Asphalt Pavement and Asphalt Millings (RAP) Reuse Guidance” (see [www.nj.gov/dep/dshw/rrtp/asphaltguidance.pdf](http://www.nj.gov/dep/dshw/rrtp/asphaltguidance.pdf)) or properly disposed of as solid waste pursuant to N.J.A.C. 7:26-1 et seq.
4. The stockpiling of materials and construction of storage bays on certain land (including but not limited to coastal areas, wetlands and floodplains) may be subject to regulation by the Division of Land Use Regulation (see [www.nj.gov/dep/landuse/](http://www.nj.gov/dep/landuse/) for more information).

### **Street Sweepings, Catch Basin Clean Out, and Other Material Storage**

1. For the purposes of this permit, this BMP is intended for road cleanup materials as well as other similar materials. Road cleanup materials may include but are not limited to street sweepings, storm sewer clean out materials, stormwater basin clean out materials and other similar materials that may be collected during road cleanup operations. These BMPs do not cover materials such as liquids, wastes which are removed from municipal sanitary sewer systems or material which constitutes hazardous waste in accordance with N.J.A.C. 7:26G-1.1 et seq.
2. Road cleanup materials must be ultimately disposed of in accordance with N.J.A.C. 7:26-1.1 et seq. See the “Guidance Document for the Management of Street Sweepings and Other Road Cleanup Materials” ([www.nj.gov/dep/dshw/rrtp/sweeping.htm](http://www.nj.gov/dep/dshw/rrtp/sweeping.htm)).
3. Road cleanup materials placed into storage must be, at a minimum:
  - a. Stored in leak-proof containers or on an impervious surface that is contained (e.g. bermed) to control leachate and litter; and
  - b. Removed for disposal (in accordance with 2, above) within six (6) months of placement into storage.

## **Yard Trimmings and Wood Waste Management Sites**

1. These practices are applicable to any yard trimmings or wood waste management site:
  - a. Owned and operated by the Tier A Municipality;
    - i. For staging, storing, composting or otherwise managing yard trimmings, or
    - ii. For staging, storing or otherwise managing wood waste, and
  - b. Operated in compliance with the Recycling Rules found at N.J.A.C. 7:26A.
2. Yard trimmings or wood waste management sites must be operated in a manner that:
  - a. Diverts stormwater away from yard trimmings and wood waste management operations; and
  - b. Minimizes or eliminates the exposure of yard trimmings, wood waste and related materials to stormwater.
3. Yard trimmings and wood waste management site specific practices:
  - a. Construct windrows, staging and storage piles:
    - i. In such a manner that materials contained in the windrows, staging and storage piles (processed and unprocessed) do not enter waterways of the State;
    - ii. On ground which is not susceptible to seasonal flooding;
    - iii. In such a manner that prevents stormwater run-on and leachate run-off (e.g. use of covered areas, diversion swales, ditches or other designs to divert stormwater from contacting yard trimmings and wood waste).
  - b. Maintain perimeter controls such as curbs, berms, hay bales, silt fences, jersey barriers or setbacks, to eliminate the discharge of stormwater runoff carrying leachate or litter from the site to storm sewer inlets or to surface waters of the State.
  - c. Prevent on-site storm drain inlets from siltation using controls such as hay bales, silt fences, or filter fabric inlet protection.
  - d. Dry weather run-off that reaches a municipal stormwater sewer system is an illicit discharge. Possible sources of dry weather run-off include wetting of piles by the site operator; uncontrolled pile leachate or uncontrolled leachate from other materials stored at the site.
  - e. Remove trash from yard trimmings and wood waste upon receipt.
  - f. Monitor site for trash on a routine basis.
  - g. Store trash in leak-proof containers or on an impervious surface that is contained (e.g. bermed) to control leachate and litter;
  - h. Dispose of collected trash at a permitted solid waste facility.
  - i. Employ preventative tracking measures, such as gravel, quarry blend, or rumble strips at exits.

## **Roadside Vegetation Management**

1. Tier A Municipalities shall restrict the application of herbicides along roadsides in order to prevent it from being washed by stormwater into the waters of the State and to prevent erosion caused by de-vegetation, as follows: Tier A Municipalities shall not apply herbicides on or adjacent to storm drain inlets, on steeply sloping ground, along curb lines, and along unobstructed shoulders. Tier A Municipalities shall only apply herbicides within a 2 foot radius around structures where overgrowth presents a safety hazard and where it is unsafe to mow.

**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: \_\_\_\_\_

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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: \_\_\_\_\_

Appendix C  
Illicit Connection Inspection Report Form

# Illicit Connection Inspection Report Form

Municipality  
Information

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

NJPDES # : \_\_\_\_\_ PI ID #: \_\_\_\_\_

Team Member: \_\_\_\_\_

Date \_\_\_\_\_ Effective Date of Permit Authorization (EDPA): \_\_\_\_\_

Outfall #: \_\_\_\_\_ Location: \_\_\_\_\_

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

1. Is there a dry weather flow? Y (☒) N (☐)
2. If "YES", what is the outfall flow estimate? \_\_\_\_\_ gpm  
(flow sample should be kept for further testing, and this form will need to be submitted with the Annual Report and Certification)
3. Are there any indications of an intermittent flow? Y (☐) N (☒)
4. If you answered "**NO**" to BOTH questions #1 and #3, there is probably not an illicit connection and you can skip to question #7.  
(NOTE: This form **does not** need to be submitted to the Department, but should be kept with your SPPP.)  
  
If you answered "**YES**" to either question, please continue on to question #5.  
(NOTE: This form will need to be submitted to the Department with the Annual Report and Certification.)

## 5. PHYSICAL OBSERVATIONS:

- (a) ODOR: Oil
- (b) COLOR: Yellow
- (c) TURBIDITY: Cloudy
- (d) FLOATABLES: Petroleum
- (e) DEPOSITS/STAINS: Sediment
- (f) VEGETATION CONDITIONS: Excessive G
- (g) DAMAGE TO OUTFALL STRUCTURES:
- IDENTIFY STRUCTURE: \_\_\_\_\_
- DAMAGE: Metal Corrosion

## 6. ANALYSES OF OUTFALL FLOW SAMPLE:

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

- (a) DETERGENTS: \_\_\_\_\_ mg/L

(if sample is greater than 0.06 mg/L, the sample is contaminated with detergents [which may be from sanitary wastewater or other sources]. Further testing is required and this outfall should be given the highest priority.)

(if the sample is not greater than 0.06 mg/L and it does not show physical characteristics of sanitary wastewater [e.g., odor, floatables, and/or color] it is unlikely that it is from sanitary wastewater sources, yet there may still be an illicit connection of industrial wastewater, rinse water, backwash or cooling water. Skip to question #6c.)



(b) **AMMONIA (as N) TO POTASSIUM RATIO:** \_\_\_\_\_

(if the Ammonia to Potassium Ratio is greater than 0.6:1, then it is likely that the pollutant is sanitary sewage)

(if the Ammonia to Potassium Ratio is less than or equal to 0.6:1, then the pollutant is from another washwater source.)

(c) **FLUORIDE:** \_\_\_\_\_mg/L

(if the fluoride levels are between 1.0 and 2.5 mg/L, then the flow is most likely from fluoride treated potable water.)

(if the sample tests below a detection limit of 0.1 mg/L for fluoride, it is likely to be from groundwater infiltration, springs or streams. In some cases, however, it is possible that the discharge could originate from an onsite well used for industrial cooling water, which will test non-detect for both detergents and fluoride. To differentiate between these cooling water discharges and groundwater infiltration, you will have to rely on temperature.)

(d) **TEMPERATURE:** \_\_\_\_\_ °F

(if the temperature of the sample is over 70°F, it is most likely cooling water)

(if the temperature of the sample is under 70°F, it is most likely from ground water infiltration)

7. Is there a suspected illicit connection? Y (☒) N (☐)

If "YES", what is the suspected source? \_\_\_\_\_

If "NO", skip to signature block on the bottom of this form.

8. Has the investigation of the suspected illicit connection been completed?

Y (☐) N (☐)

If "YES", proceed to question #9.

If "NO", skip to signature block on the bottom of this form.

9. Was the source of the illicit connection found? Y (☒) N (☐)

If "YES", identify the source. \_\_\_\_\_

What plan of action will follow to eliminate the illicit connection?

Resolution:

If "NO", complete the Closeout Investigation Form and attach it to this Illicit Connection Inspection Report Form.

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

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

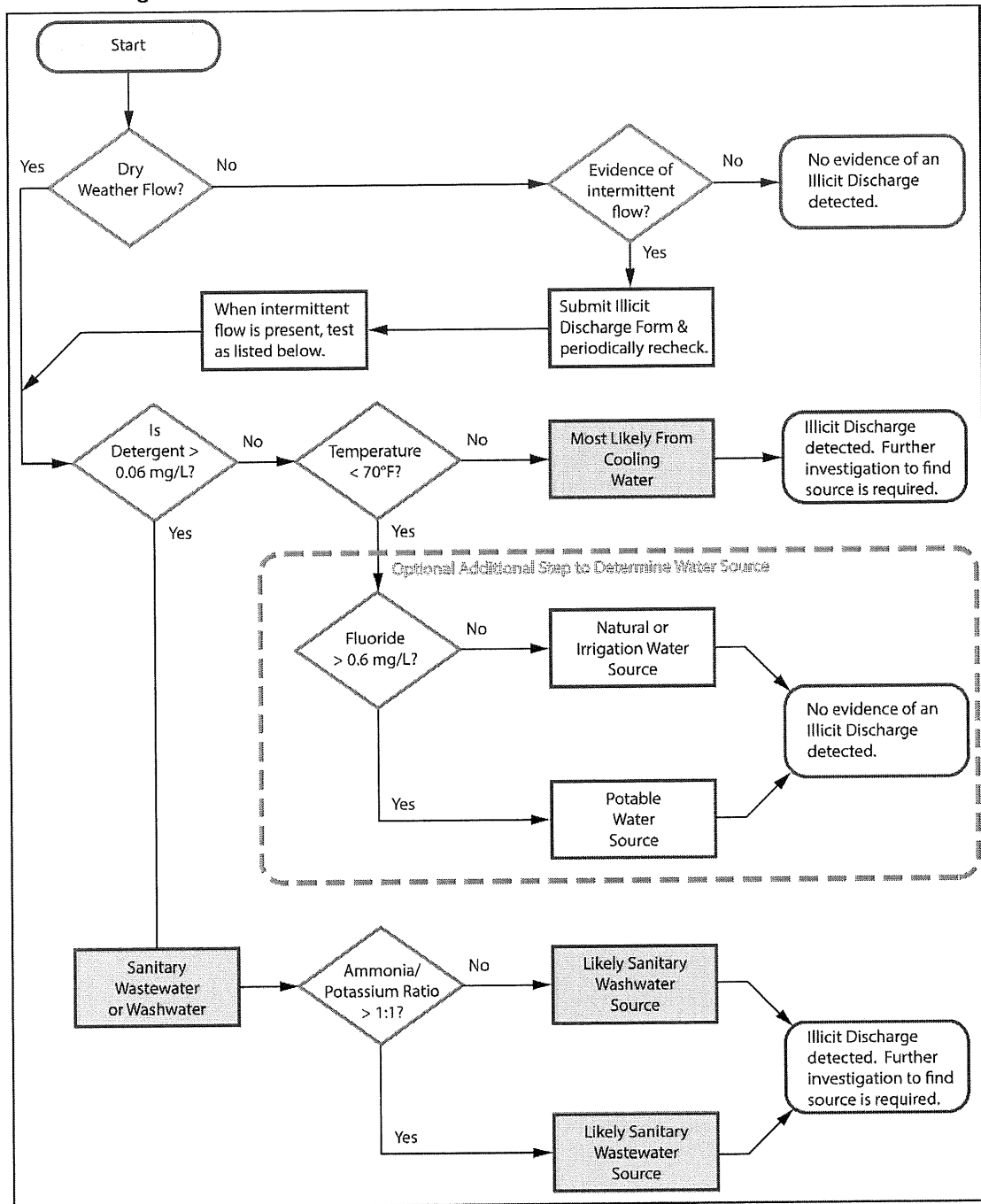
Signature: \_\_\_\_\_

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

If there is a dry weather flow or evidence of an intermittent flow, be sure to include this form with your Annual Report and Certification.

If there is not a dry weather flow or evidence of an intermittent flow, this form should be retained with your SPPP.

## Illicit Discharge Identification Flow Chart



Appendix D  
Closeout Investigation Form

## Closeout Investigation Form

Municipality  
Information

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

NJPDES # : **NJG** \_\_\_\_\_ PI ID #: \_\_\_\_\_

Team Member / Title: \_\_\_\_\_

Outfall #: \_\_\_\_\_ Location: \_\_\_\_\_

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

Basis for Submittal:

- ( ☐ ) A non-stormwater discharge was found, but no source was located within six months.
- ( ☐ ) An intermittent non-stormwater discharge was observed, and three unsuccessful investigations were conducted to investigate the discharge while it was flowing.

Describe each phase of your investigation, including dates. Attach additional pages as necessary:

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

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

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

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

**Complete and attach this form to the appropriate Illicit Connection Inspection Report Form and submit with the Annual Report and Certification.**

## Appendix E

### Attachment D – Major Development Stormwater Summary

## Attachment D – Major Development Stormwater Summary

General Information			
1. Project Name:			
2. Municipality:	County:	Block(s):	Lot(s):
3. Site Location (State Plane Coordinates – NAD83):		E:	N:
4. Date of Final Approval for Construction by Municipality: Date of Certificate of Occupancy:			
5. Project Type (check all that apply): Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other (please specify) _____			
6. Soil Conservation District Project Number:			
7. Did project require an NJDEP Land Use Permit? Yes <input type="radio"/> No <input type="radio"/> Land Use Permit #:			
8. Did project require the use of any mitigation measures? Yes <input type="radio"/> No <input type="radio"/> If yes, which standard was mitigated? _____			

Site Design Specifications	
1. Area of Disturbance (acres):	Area of Proposed Impervious (acres):
2. List all Hydrologic Soil Groups:	
3. Please Identify the Amount of Each Best Management Practices (BMPs) Utilized in Design Below: Bioretention Systems _____ Constructed Wetlands _____ Dry Wells _____ Extended Detention Basins _____ Infiltration Basins _____ Combination Infiltration/Detention Basins _____ Manufactured Treatment Devices _____ Pervious Paving Systems _____ Sand Filters _____ Vegetative Filter Strips _____ Wet Ponds _____ Grass Swales _____ Subsurface Gravel Wetlands _____ Other _____	

Storm Event Information	
Storm Event - Rainfall (inches and duration):	2 yr.: _____ 10 yr.: _____ 100 yr.: _____ WQDS: _____
Runoff Computation Method: NRCS: Dimensionless Unit Hydrograph <input type="checkbox"/> NRCS: Delmarva Unit Hydrograph <input type="checkbox"/> Rational <input type="checkbox"/> Modified Rational <input type="checkbox"/> Other: _____	

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*	
1. Type of Basin:	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input type="radio"/> Private: If so, Name:	Phone number:
3. Basin Construction Completion Date:	
4. Drain Down Time (hr.):	
5. Design Soil Permeability (in./hr.):	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:
7. Groundwater Recharge Methodology (select one):	2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input type="radio"/>
8. Groundwater Mounding Analysis (select one):	Yes <input type="radio"/> No <input type="radio"/> If, Yes Methodology Used:
9. Maintenance Plan Submitted:	Yes <input type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input type="radio"/>

Comments:

Name of Person Filling Out This Form: \_\_\_\_\_

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

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

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

2/2/2018

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*	
1. Type of Basin:	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input type="radio"/>
2. Owner (select one):	<input type="radio"/> Public <input type="radio"/> Private: If so, Name: _____ Phone number: _____
3. Basin Construction Completion Date:	_____
4. Drain Down Time (hr.):	_____
5. Design Soil Permeability (in./hr.):	_____
6. Seasonal High Water Table Depth from Bottom of Basin (ft.):	_____ Date Obtained: _____
7. Groundwater Recharge Methodology (select one):	2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input type="radio"/>
8. Groundwater Mounding Analysis (select one):	Yes <input type="radio"/> No <input type="radio"/> If, Yes Methodology Used: _____
9. Maintenance Plan Submitted:	Yes <input type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input type="radio"/>

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*	
1. Type of Basin:	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input type="radio"/>
2. Owner (select one):	<input type="radio"/> Public <input type="radio"/> Private: If so, Name: _____ Phone number: _____
3. Basin Construction Completion Date:	_____
4. Drain Down Time (hr.):	_____
5. Design Soil Permeability (in./hr.):	_____
6. Seasonal High Water Table Depth from Bottom of Basin (ft.):	_____ Date Obtained: _____
7. Groundwater Recharge Methodology (select one):	2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input type="radio"/>
8. Groundwater Mounding Analysis (select one):	Yes <input type="radio"/> No <input type="radio"/> If, Yes Methodology Used: _____
9. Maintenance Plan Submitted:	Yes <input type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input type="radio"/>

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*	
1. Type of Basin:	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input type="radio"/>
2. Owner (select one):	<input type="radio"/> Public <input type="radio"/> Private: If so, Name: _____ Phone number: _____
3. Basin Construction Completion Date:	_____
4. Drain Down Time (hr.):	_____
5. Design Soil Permeability (in./hr.):	_____
6. Seasonal High Water Table Depth from Bottom of Basin (ft.):	_____ Date Obtained: _____
7. Groundwater Recharge Methodology (select one):	2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input type="radio"/>
8. Groundwater Mounding Analysis (select one):	Yes <input type="radio"/> No <input type="radio"/> If, Yes Methodology Used: _____
9. Maintenance Plan Submitted:	Yes <input type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input type="radio"/>

Name of Person Filling Out This Form: \_\_\_\_\_

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

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

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

## Appendix F

### Attachment E – Best Management Practices for Municipal Maintenance Yards and Other Ancillary Operations



## **Attachment E – Best Management Practices for Municipal Maintenance Yards and Other Ancillary Operations**

The Tier A Municipality shall implement the following practices at municipal maintenance yards and other ancillary operations owned or operated by the municipality. Inventory of Materials and Machinery, and Inspections and Good Housekeeping shall be conducted at all municipal maintenance yards and other ancillary operations. All other Best Management Practices shall be conducted whenever activities described below occur. Ancillary operations include but are not limited to impound yards, permanent and mobile fueling locations, and yard trimmings and wood waste management sites.

### **Inventory of Materials and Machinery**

The SPPP shall include a list of all materials and machinery located at municipal maintenance yards and ancillary operations which could be a source of pollutants in a stormwater discharge. The materials in question include, but are not limited to: raw materials; intermediate products; final products; waste materials; by-products; machinery and fuels; and lubricants, solvents, and detergents that are related to the municipal maintenance yard operations and ancillary operations. Materials or machinery that are not exposed to stormwater at the municipal maintenance yard or related to its operations do not need to be included.

### **Inspections and Good Housekeeping**

1. Inspect the entire site, including the site periphery, monthly (under both dry and wet conditions, when possible). Identify conditions that would contribute to stormwater contamination, illicit discharges or negative impacts to the Tier A Municipality's MS4. Maintain an inspection log detailing conditions requiring attention and remedial actions taken for all activities occurring at Municipal Maintenance Yards and Other Ancillary Operations. This log must contain, at a minimum, a record of inspections of all operations listed in Part IV.B.5.c. of this permit including dates and times of the inspections, and the name of the person conducting the inspection and relevant findings. This log must be kept on-site with the SPPP and made available to the Department upon request. See the Tier A Municipal Guidance document ([www.nj.gov/dep/dwq/tier\\_a\\_guidance.htm](http://www.nj.gov/dep/dwq/tier_a_guidance.htm)) for additional information.
2. Conduct cleanups of spills of liquids or dry materials immediately after discovery. All spills shall be cleaned using dry cleaning methods only. Clean up spills with a dry, absorbent material (i.e., kitty litter, sawdust, etc.) and sweep the rest of the area. Dispose of collected waste properly. Store clean-up materials, spill kits and drip pans near all liquid transfer areas, protected from rainfall.
3. Properly label all containers. Labels shall be legible, clean and visible. Keep containers in good condition, protected from damage and spillage, and tightly closed when not in use. When practical, store containers indoors. If indoor storage is not practical, containers may be stored outside if covered and placed on spill platforms or clean pallets. An area that is graded and/or bermed to prevent run-through of stormwater may be used in place of spill platforms or clean pallets. Outdoor storage locations shall be regularly maintained.

### **Fueling Operations**

1. Establish, maintain and implement standard operating procedures to address vehicle fueling; receipt of bulk fuel deliveries; and inspection and maintenance of storage tanks, including the associated piping and fuel pumps.
  - a. Place drip pans under all hose and pipe connections and other leak-prone areas during bulk transfer of fuels.
  - b. Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms or booms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel shall be within the temporarily bermed or boomed area during the loading/unloading of bulk fuels. A trained employee shall be present to supervise the bulk transfer of fuel.
  - c. Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment. Include all of the following:
    - “Topping off of vehicles, mobile fuel tanks, and storage tanks is strictly prohibited”
    - “Stay in view of fueling nozzle during dispensing”
    - Contact information for the person(s) responsible for spill response.
  - d. Immediately repair or replace any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair.

### **Discharge of Stormwater from Secondary Containment**

The discharge pipe/outfall from a secondary containment area (e.g. fuel storage, de-icing solution storage, brine solution) shall have a valve and the valve shall remain closed at all times except as described below. A municipality may discharge stormwater accumulated in a secondary containment area if a visual inspection is performed to ensure that the contents of aboveground storage tank have not come in contact with the stormwater to be discharged. Visual inspections are only effective when dealing with materials that can be observed, like petroleum. If the contents of the tank are not visible in stormwater, the municipality shall rely on previous tank inspections to determine with some degree of certainty that the tank has not leaked. If the municipality cannot make a determination with reasonable certainty that the stormwater in the secondary containment area is uncontaminated by the contents of the tank, then the stormwater shall be hauled for proper disposal.

### **Vehicle Maintenance**

1. Operate and maintain equipment to prevent the exposure of pollutants to stormwater.
2. 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 used at all times. Use designated areas away from storm drains or block storm drain inlets when vehicle and equipment maintenance is being conducted outdoors.

### On-Site Equipment and Vehicle Washing and Wash Wastewater Containment

1. Manage any equipment and vehicle washing activities so that there are no unpermitted discharges of wash wastewater to storm sewer inlets or to waters of the State.
2. Tier A Municipalities which cannot discharge wash wastewater to a sanitary sewer or which cannot otherwise comply with 1, above, may temporarily contain wash wastewater prior to proper disposal under the following conditions:
  - a. Containment structures shall not leak. Any underground tanks and associated piping shall be tested for integrity every 3 years using appropriate methods determined by "*The List of Leak Detection Evaluations for Storage Tank Systems*" created by the National Work Group on Leak Detection Evaluations (NWGLDE) or as determined appropriate and certified by a professional engineer for the site specific containment structure(s).
  - b. For any cathodically protected containment system, provide a passing cathodic protection survey every three years.
  - c. Operate containment structures to prevent overfilling resulting from normal or abnormal operations, overfilling, malfunctions of equipment, and human error. Overfill prevention shall include manual sticking/gauging of the tank before each use unless system design prevents such measurement. Tank shall no longer accept wash wastewater when determined to be at 95% capacity. Record each measurement to the nearest ½ inch.
  - d. Before each use, perform inspections of all visible portions of containment structures to ensure that they are structurally sound, and to detect deterioration of the wash pad, catch basin, sump, tank, piping, risers, walls, floors, joints, seams, pumps and pipe connections or other containment devices. The wash pad, catch basin, sump and associated drains should be kept free of debris before each use. Log dates of inspection; inspector's name, and conditions. This inspection is not required if system design prevents such inspection.
  - e. Containment structures shall be emptied and taken out of service immediately upon detection of a leak. Complete all necessary repairs to ensure structural integrity prior to placing the containment structure back into service. Any spills or suspected release of hazardous substances shall be immediately reported to the NJDEP Hotline (1-877-927-6337) followed by a site investigation in accordance with N.J.A.C. 7:26C and N.J.A.C 7:26E if the discharge is confirmed.
  - f. All equipment and vehicle wash wastewater placed into storage must be disposed of in a legally permitted manner (e.g. pumped out and delivered to a duly permitted and/or approved wastewater treatment facility).
  - g. Maintain a log of equipment and vehicle wash wastewater containment structure clean-outs including date and method of removal, mode of transportation (including name of hauler if applicable) and the location of disposal. See Underground Vehicle Wash Water Storage Tank Use Log at end of this attachment.
  - h. Containment structures shall be inspected annually by a NJ licensed professional engineer. The engineer shall certify the condition of all structures including: wash pad, catch basin, sump, tank, piping, risers to detect deterioration in the, walls, floors, joints, seams, pumps and pipe connections or other containment devices using the attached Engineer's Certification of Annual Inspection of Equipment and Vehicle Wash Wastewater Containment Structure. This

certification may be waived for self-contained systems on a case-by-case basis. Any such waiver would be issued in writing by the Department.

3. Maintain all logs, inspection records, and certifications on-site. Such records shall be made available to the Department upon request.

### **Salt and De-icing Material Storage and Handling**

1. Store material in a permanent structure.
2. Perform regular inspections and maintenance of storage structure and surrounding area.
3. Minimize tracking of material from loading and unloading operations.
4. During loading and unloading:
  - a. Conduct during dry weather, if possible;
  - b. Prevent and/or minimize spillage; and
  - c. Minimize loader travel distance between storage area and spreading vehicle.
5. Sweep (or clean using other dry cleaning methods):
  - a. Storage areas on a regular basis;
  - b. Material tracked away from storage areas;
  - c. Immediately after loading and unloading is complete.
6. Reuse or properly discard materials collected during cleanup.
7. Temporary outdoor storage is permitted only under the following conditions:
  - a. A permanent structure is under construction, repair or replacement;
  - b. Stormwater run-on and de-icing material run-off is minimized;
  - c. Materials in temporary storage are tarped when not in use;
  - d. The requirements of 2 through 6, above are met; and
  - e. Temporary outdoor storage shall not exceed 30 days unless otherwise approved in writing by the Department;
8. Sand must be stored in accordance with Aggregate Material and Construction Debris Storage below.

### **Aggregate Material and Construction Debris Storage**

1. Store materials such as sand, gravel, stone, top soil, road millings, waste concrete, asphalt, brick, block and asphalt based roofing scrap and processed aggregate in such a manner as to minimize stormwater run-on and aggregate run-off via surface grading, dikes and/or berms (which may include sand bags, hay bales and curbing, among others) or three sided storage bays. Where possible the open side of storage bays shall be situated on the upslope. The area in front of storage bays and adjacent to storage areas shall be swept clean after loading/unloading.
2. Sand, top soil, road millings and processed aggregate may only be stored outside and uncovered if in compliance with item 1 above and a 50-foot setback is maintained from surface water bodies, storm sewer inlets, and/or ditches or other stormwater conveyance channels.
3. Road millings must be managed in conformance with the “Recycled Asphalt Pavement and Asphalt Millings (RAP) Reuse Guidance” (see [www.nj.gov/dep/dshw/rrtp/asphaltguidance.pdf](http://www.nj.gov/dep/dshw/rrtp/asphaltguidance.pdf)) or properly disposed of as solid waste pursuant to N.J.A.C. 7:26-1 et seq.
4. The stockpiling of materials and construction of storage bays on certain land (including but not limited to coastal areas, wetlands and floodplains) may be subject to regulation by the Division of Land Use Regulation (see [www.nj.gov/dep/landuse/](http://www.nj.gov/dep/landuse/) for more information).

### **Street Sweepings, Catch Basin Clean Out, and Other Material Storage**

1. For the purposes of this permit, this BMP is intended for road cleanup materials as well as other similar materials. Road cleanup materials may include but are not limited to street sweepings, storm sewer clean out materials, stormwater basin clean out materials and other similar materials that may be collected during road cleanup operations. These BMPs do not cover materials such as liquids, wastes which are removed from municipal sanitary sewer systems or material which constitutes hazardous waste in accordance with N.J.A.C. 7:26G-1.1 et seq.
2. Road cleanup materials must be ultimately disposed of in accordance with N.J.A.C. 7:26-1.1 et seq. See the “Guidance Document for the Management of Street Sweepings and Other Road Cleanup Materials” ([www.nj.gov/dep/dshw/rrtp/sweeping.htm](http://www.nj.gov/dep/dshw/rrtp/sweeping.htm)).
3. Road cleanup materials placed into storage must be, at a minimum:
  - a. Stored in leak-proof containers or on an impervious surface that is contained (e.g. bermed) to control leachate and litter; and
  - b. Removed for disposal (in accordance with 2, above) within six (6) months of placement into storage.

### **Yard Trimmings and Wood Waste Management Sites**

1. These practices are applicable to any yard trimmings or wood waste management site:
  - a. Owned and operated by the Tier A Municipality;
    - i. For staging, storing, composting or otherwise managing yard trimmings, or
    - ii. For staging, storing or otherwise managing wood waste, and
  - b. Operated in compliance with the Recycling Rules found at N.J.A.C. 7:26A.
2. Yard trimmings or wood waste management sites must be operated in a manner that:
  - a. Diverts stormwater away from yard trimmings and wood waste management operations; and
  - b. Minimizes or eliminates the exposure of yard trimmings, wood waste and related materials to stormwater.
3. Yard trimmings and wood waste management site specific practices:
  - a. Construct windrows, staging and storage piles:
    - i. In such a manner that materials contained in the windrows, staging and storage piles (processed and unprocessed) do not enter waterways of the State;
    - ii. On ground which is not susceptible to seasonal flooding;
    - iii. In such a manner that prevents stormwater run-on and leachate run-off (e.g. use of covered areas, diversion swales, ditches or other designs to divert stormwater from contacting yard trimmings and wood waste).
  - b. Maintain perimeter controls such as curbs, berms, hay bales, silt fences, jersey barriers or setbacks, to eliminate the discharge of stormwater runoff carrying leachate or litter from the site to storm sewer inlets or to surface waters of the State.
  - c. Prevent on-site storm drain inlets from siltation using controls such as hay bales, silt fences, or filter fabric inlet protection.
  - d. Dry weather run-off that reaches a municipal stormwater sewer system is an illicit discharge. Possible sources of dry weather run-off include wetting of piles by the site operator; uncontrolled pile leachate or uncontrolled leachate from other materials stored at the site.
  - e. Remove trash from yard trimmings and wood waste upon receipt.
  - f. Monitor site for trash on a routine basis.
  - g. Store trash in leak-proof containers or on an impervious surface that is contained (e.g. bermed) to control leachate and litter;
  - h. Dispose of collected trash at a permitted solid waste facility.
  - i. Employ preventative tracking measures, such as gravel, quarry blend, or rumble strips at exits.

### **Roadside Vegetation Management**

1. Tier A Municipalities shall restrict the application of herbicides along roadsides in order to prevent it from being washed by stormwater into the waters of the State and to prevent erosion caused by de-vegetation, as follows: Tier A Municipalities shall not apply herbicides on or adjacent to storm drain inlets, on steeply sloping ground, along curb lines, and along unobstructed shoulders. Tier A Municipalities shall only apply herbicides within a 2 foot radius around structures where overgrowth presents a safety hazard and where it is unsafe to mow.

**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: \_\_\_\_\_





**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

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

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

Appendix G

Guidance Document for the Management of Street Sweeping and  
Other Road Cleanup Materials

Governor Phil Murphy • Lt. Governor Sheila Oliver

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Search  

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**DIVISION OF SOLID AND HAZARDOUS WASTE**



DEP Home | About DEP | Index by Topic | Programs/Units | DEP Online

Solid and Hazardous Waste Management Program  
Bureau of Landfills and Hazardous Waste Permitting  
P.O. Box 420  
Mail Code: 401-02C  
401 East State Street, 2nd Floor, West Wing  
Trenton, New Jersey 08625-0420  
Telephone: (609) 984-6985 Fax: (609) 633-9839  
<https://www.nj.gov/dep/dshw/lhwp/index.html>

**Guidance Document for the Management of  
Street Sweepings and Other Road Cleanup Materials**  
(Updated 10/16/2013)

This document presents guidance for the handling, characterization and management of street sweepings and other road cleanup materials (road cleanup materials) to provide options for the use and management of the material without direct oversight of the New Jersey Department of Environmental Protection (Department or DEP). These materials would otherwise be waste, and may include but be limited to street sweepings, storm sewer clean out materials, retention basin clean out materials and other similar road wastes. Wastes removed from municipal sanitary sewer systems (a.k.a. municipal wastewater systems) are not included in these types of wastes.

Road cleanup materials may be considered as one of two categories as a function of the type and amount of contaminants present. These are as follows: 1) Road cleanup material that contain hazardous waste, and 2) Road cleanup material classified as waste type ID 10 municipal solid waste (i.e., materials that may contain contaminants above or below regulatory concern).

This guidance must be consulted in conjunction with the solid waste regulations at N.J.A.C. 7:26 et seq. For the reader's convenience, an unofficial version of N.J.A.C. 7:26 et seq. can be found using the "NJ Regulations" selection on the Department's Solid and Hazardous Waste Management Program web page at <https://www.state.nj.us/dep/dshw> or directly by using the Web link <https://www.state.nj.us/dep/dshw/resource/rules.htm>. These are courtesy copies of the adoption. The official versions of these rules were published in the New Jersey Register. Should there be any discrepancies between this text and the official version of the adoption, the official version will govern. For more information, see the New Jersey Office of Administrative Law's Rules page. To obtain official copies of these regulations consult the NJDEP Office of Legal Affairs' How to Get Copies of Departmental Rules page at [https://www.state.nj.us/dep/legal/get\\_rule.htm](https://www.state.nj.us/dep/legal/get_rule.htm).

#### **I. INTRODUCTION & BACKGROUND:**

The DEP is very interested in supporting the beneficial use of solid wastes such as road cleanup material whenever feasible. To assure that these uses are protective of human health and the environment, uses of road cleanup material should be approved by DEP for consistency with Department policies, guidance (e.g., this document) and Departmental regulations. In many instances, road cleanup materials are known to contain elevated concentrations of contaminants such as lead and organic compounds associated with petroleum products, which above certain levels are known to be hazardous to human health. Therefore, uses of road cleanup material should be managed in order to manage the risks posed to human health and the environment.

Many beneficial uses of road cleanup material involve some form of land application, some of which may require the Department's authorization. When solid wastes like road cleanup material are used beneficially in land application they are exempted from regulation as solid waste and thus, will herein be referred to as "materials". The process of using road cleanup material either with or without case-by-case Departmental review for land application and other uses is outlined below.

When collected in the course of cleaning the state's streets, storm basins and storm sewers, road cleanup materials are classified as waste type ID 10 municipal solid waste as defined and regulated at N.J.A.C. 7:26-1.1 et seq. Normally, road cleanup material classified as ID 10, as well as other types of solid wastes, must be directed to a solid waste facility permitted to receive such waste for disposal. However, an exemption to solid waste regulation at N.J.A.C. 7:26-1.1(a)1 is allowed for solid waste, separated at the point of generation, that is sent to an approved facility for use or reuse as raw materials or directly as products. It is this exemption process and the associated beneficial use regulations found at N.J.A.C. 7:26-1.7(g) that allows road cleanup material to be authorized for beneficial uses exempt from waste flow and solid waste disposal regulations. Also exempted from solid waste regulations is waste managed and manifested as hazardous waste in accordance with the rules and regulations as set forth at N.J.A.C. 7:26G-1.1 et seq., and transported directly to a hazardous waste facility from the point of generation.

#### **II. CONTAMINANT STANDARDS:**

This section describes the basis for DEP's application of contaminant standards to road cleanup material. The DEP has adopted site cleanup standards that form the basis for developing more specific regulations for the use or reuse of materials contaminated with hazardous substances. For further guidance in this area, these standards are specified and referenced at N.J.A.C. 7:26D, the Remediation Standards adopted June 2, 2008. A copy of the latest Site Remediation Standards (SRS) is available at the Department's web site at <https://www.nj.gov/dep/srp/regs/rs/>.

In view of the health-based criteria set forth in the SRS for contaminated sites and the available analytical data for typical road cleanup materials, the contaminants in road cleanup material are not consistently at sufficiently low levels to allow uncontrolled use. The DEP is concerned about spikes of high concentrations of petroleum hydrocarbons such as gasoline, oils, the organic compounds found in asphalt, or other contaminants such as lead that typically occur in road cleanup materials. Road cleanup material should also be classified to determine whether the waste is hazardous waste required to be regulated as hazardous waste per N.J.A.C. 7:26G. Road wastes are normally not sufficiently contaminated to prevent their use under controlled circumstances per this guidance. Therefore, given the limited contaminant characterization data available, approvals for use of road cleanup material containing aggregate contaminants at a level exceeding the most stringent latest available SRS for guidance are reviewed on a case-by-case basis by the Bureau of Landfill and Hazardous Waste Permitting (BLHWP)..

Blanket approvals are available at this time for certain uses as outlined herein. For the class of road cleanup material contaminated below the department's most stringent SRS, a one-time site-specific use is allowed as described below in Sections VI and VII of this Appendix. Applications of any such road cleanup material to a site more than once require written authorization of the BLHWP in order to prevent potential environmental degradation (refer to section V.2.b.). This process ensures that use of all road cleanup material will be consistent with the most recent health-based guidance when road cleanup materials are proposed for use in situations where human or environmental exposure to contaminants is possible.

### III. GENERAL HANDLING REQUIREMENTS:

This section describes the general requirements applicable to handling road cleanup materials.

1. Litter - Road cleanup materials are generally contaminated with oversized "litter" such as plastics and paper items, road matter, vehicle parts and other miscellaneous wastes. Before road cleanup material may be sampled for analysis, this litter must be removed and disposed of as ID 10 municipal solid waste or preferably, be recycled. Small screening operations may not require separate approvals, however processing road cleanup material in large quantities, or near sensitive receptors may warrant separate authorization by the Department. Contact the Solid and Hazardous Waste Management Program at 609-292-9880 for information concerning permitting of screening operations. Bulky materials, such as significant amounts of chunks of concrete or asphalt, should be taken to DEP approved recycling centers, or asphalt manufacturers, for proper recycling. Road cleanup material normally does not require this cleaning step if disposed of unless required by the disposal facility.

2. De-icing Salts - In some cases, road cleanup material may contain concentrations of road de-icing salts. Standards for applications of de-icing salts are not established as it is common practice to dispense large quantities of salts on roads for deicing during winter months. With normal precipitation levels, significant amounts of these salts with typically high water solubility should not be present in road cleanup materials. Use of road cleanup material containing road de-icing salts or other compounds, however, must be consistent with all State, Federal and local requirements and the user should also be aware of the phytotoxic effects of salts particularly during the growing season.

3. Transport - Disposal of road cleanup material as solid waste in accordance with N.J.A.C. 7:26 requires transport only by licensed solid waste transporters in registered solid waste vehicles. Transport of road cleanup material destined for recycling centers (refer to section V.2. below), or beneficial uses authorized by the department pursuant to N.J.A.C. 7:26-1.7(g), is not subject to the solid waste transporter licensing requirements, therefore, use of licensed solid waste transporters and registered solid waste vehicles is not required in these instances.

### IV. CHARACTERIZATION:

This section describes the requirements for sampling and analysis of all road cleanup material, except those being disposed of as ID 10 solid waste which do not require testing except as required by the disposal facility.

All road cleanup material must be sampled and analyzed in accordance with standard DEP quality assurance standards and practices to fully characterize the SRS contaminants, regardless of the intended future disposition of the road cleanup materials except for disposal as solid waste. Detailed sampling guidance may also be obtained from BLHWP at (609) 984-6985.

The generator of road cleanup material must determine if the road cleanup material constitute hazardous waste in accordance with requirements at N.J.A.C. 7:26G-1.1 et seq. A hazardous waste classification may be required if elevated levels of contaminants are detected, at the discretion of the department. For uses of road cleanup material requiring DEP authorization as described herein (refer to section V.), all analytical data must be submitted to BLHWP for review on a case-by-case basis.

Road cleanup material proposed for most beneficial use projects must also be analyzed for any and all contaminants found on the USEPA's current Target Analyte List (TAL)/Target Compound List (TCL) and Priority Pollutants + 40 scans. The list of TAL inorganic compounds/elements and TCL organic compounds designated for analysis are those contained in the version of the USEPA Contract Laboratory Program Statement of Work for Inorganics and Organic Analysis, Multi-Media, Multi-Concentration in effect as of the date on which the laboratory is performing the analysis or the project's specific contaminant testing results.

Additional sampling may be required based on the results of the initial data collected if further contaminant delineation is necessary. A higher frequency of sampling, screening and analysis may be required to characterize the road cleanup

material when "hotspots" of contamination are known or suspected to exist in a pile. For very large quantities of road cleanup material a lower frequency of sampling may be appropriate, subject to departmental authorization, based on site-specific data. It is recommended that the DEP review sampling plans that vary from the sampling methods outlined in Appendix G prior to sampling.

While typical road cleanup material would not be expected to exhibit excessive amounts of radioactivity, it cannot contain material regulated pursuant to the Atomic Energy Act or any regulations for radioactive materials administered by the Nuclear Regulatory Commission ("NRC") or other agencies, be classified as technologically enhanced naturally-occurring radionuclide material (TENORM) which is ID 27 Dry Industrial Solid Waste in New Jersey, or contain any radionuclide over the levels established in the "Soil Remediation Standards for Radioactive Materials" at N.J.A.C. 7:28-12.

#### V. MANAGEMENT OPTIONS:

This section describes various management options for the following categories of road cleanup material: 1) Road cleanup material that contain hazardous waste, and 2) Road cleanup material classified as waste type ID 10 municipal solid waste (i.e., materials that may contain contaminants above or below regulatory concern). It also describes the process of obtaining department authorization for use of road wastes. Whenever any road cleanup materials are used for any purpose other than disposal in accordance with N.J.A.C. 7:26-1.1 et seq., the following conditions must be met:

1. **Hazardous Waste** - Road cleanup material that contain a hazardous waste must be managed as hazardous wastes when contamination is above the non-hazardous waste limits or the road cleanup materials are otherwise classified a hazardous waste. The road cleanup material must always be managed as a hazardous waste in accordance with N.J.A.C. 7:26G-1.1 et seq. and the USEPA Code of Federal Regulations Title 40, Parts 260-299. The only management option for road cleanup material containing a hazardous waste is management as a hazardous waste.

**Handling** - All road cleanup material designated as hazardous waste per N.J.A.C. 7:26G-5 and 40 CFR 261 must be properly staged and removed within 90 days. Hazardous waste piles are prohibited. When road cleanup material are determined to contain a hazardous waste they must be staged during the remaining 90-day period in accordance with N.J.A.C. 7:26G-6 and 40 CFR 262 (i.e. either sealed roll-off container or sealed drums).

2. **Non-hazardous ID 10 Municipal Solid Waste** - Road cleanup material contaminated at levels above the regulatory concern limit (see section V.3. below), and which are not classified as hazardous waste, are considered to be non-hazardous solid waste. Road cleanup materials are classified as ID 10 municipal solid waste if treatment, storage or disposal at an authorized solid waste facility is a short or long-term management option. If ID 10 road cleanup material are used beneficially with DEP authorization in accordance with section V.2.b. below, the road cleanup materials are then considered beneficially useable materials exempt from solid waste regulation, not ID 10 solid waste.

a. **Handling** - Contaminated road cleanup material designated as non-hazardous solid waste may not be stockpiled for more than six months pursuant to the solid waste regulations, N.J.A.C. 7:26-1.1;1.4. Security and public access must be considered when selecting a location for stockpiling of any potentially contaminated road cleanup materials. Staging of any potentially contaminated road cleanup material must be performed using methods that minimize the disturbance of the road cleanup material and minimize on-site handling and storage. At a minimum, all potentially contaminated road cleanup material must be staged on an impervious surface and covered with a waterproof material (i.e., tarpaulin or 10-mil plastic sheeting). The containment must be maintained for the duration of the staging period to prevent contaminant volatilization, runoff, leaching, or fugitive dust emissions.

b. **Beneficial Use Authorization Process** - For use of contaminated materials such as road cleanup material contaminated above the latest most stringent SRS, a written application by the generator and a written determination from the DEP must be made for the non-applicability of the solid waste regulations set forth in N.J.A.C. 7:26-1.1 et seq. This is required for any in-state or out-of-state use for road cleanup material with any contaminant level exceeding the latest most stringent SRS and is also required for second or additional applications of any road cleanup material in New Jersey at the same site. The following are the standard requirements for a Certificate of Authority to Operate beneficial use project. Additional requirements are specified at N.J.A.C. 7:26-1.7(g) that also apply to application for the use of road cleanup material, and are detailed in the main body of this Technical Manual.

c. **General Requirements for Use** - In all cases, any use of road cleanup material must be protective of ground water and surface water bodies and subsurface structures, such as basements and other indoor areas, as well as all other potential human and other ecological receptors. In addition, all other requirements for any prospective use of road cleanup material must be met. These requirements include, but are not limited to: any limitations imposed by wetlands restrictions; stream encroachment regulations; limitations on use of materials contaminated at any level where the contaminants could pose a risk to surface or ground water; hazardous waste recycling regulations; and any other requirements, in addition to i-iv. below:

i. **Pinelands Area** - Road cleanup material generated outside or within the Pinelands Area that contain contaminants at or below the most stringent cleanup levels established by the DEP shall not be moved from the site of generation into or within the Pinelands Protection Area unless the road cleanup materials are at or below the receiving site's contaminant background levels. Road cleanup material generated in the Pinelands Area that exceed background levels may not remain in the Pinelands Area but may be used elsewhere with written permission of the DEP in accordance with the requirements set forth in this document. Written approval from the New Jersey Pinelands Commission, New Lisbon, NJ 08064, must be obtained before any disturbance or moving of road cleanup material at any level of contamination within the Pinelands Area.

ii. **Objectionable Odors or Appearance** - Road cleanup material having objectionable odors, including petroleum or synthetic chemical odors, shall not be used in residential areas or other locations where the public would be exposed or where such odors or appearance would render a site or its improvements unusable for their reasonably intended

purpose. Specifically, the road cleanup material to be used must not violate the air pollution rules, N.J.A.C. 7:28-1.1 et seq. or local nuisance codes.

iii. Regulatory Compliance - The road cleanup material must be used in accordance with all applicable federal, state and local requirements.

iv. Allowable Storage Time - Non-hazardous road cleanup material contaminated at levels above the most stringent SRS must not be stockpiled at the site of generation, or elsewhere, for more than six months from the date of collection until disposition pursuant to the solid waste regulations, N.J.A.C. 7:26-1.1; 1.4. Therefore, road cleanup material use considerations and subsequent actions should be acted on as soon as anticipated.

3. Contaminated Below Regulatory Concern - Road cleanup material with contaminant levels consistently below the latest most stringent site-specific SRS standards are generally suitable for use without prior approval on a one-time site-specific basis, or if the road cleanup materials are recycled at an approved recycling center. Only road cleanup material that contain contaminants at levels below the most stringent SRS established by the DEP for a specific site, are not of regulatory concern with the exception of sites in the Pinelands Area which may require separate authorization from the Pinelands Commission - see Section V.2.c.i. In addition, the minimum criteria for all use applications, as noted in section V.2.c. above, also apply to road cleanup material below regulatory concern.

#### VI. EXAMPLES OF USES:

This section outlines the department's guidance for a number of different potential uses for road cleanup materials. All uses described below require written BLHWP authorization as outlined in section V. of this document, unless explicitly stated otherwise in each section. The general handling requirements outlined in section III., and all other requirements, are also applicable to all potential uses listed below except as noted below. All references to use criteria in this document shall be taken to mean the latest available criteria from the department.

1. Fill for potholes - Road cleanup materials, with analytical values at levels below the latest non-residential SRS criteria, are normally suitable for direct use as fill for potholes, whether the road cleanup materials are incorporated into an asphalt binder or are used directly as sub-fill for larger holes. If the road cleanup materials are used as sub-fill for larger holes, they must be capped with normal road surfacing material, such as concrete or asphalt. Department approval is not required for this use.

2. Embankment for emergency road repairs - Road cleanup material with analytical values at levels below the most stringent SRS criteria are usable for embankment material without prior Department approval. Embankment material is needed by DOT for emergency road repairs when road surfaces and base materials are eroded or removed due to washout or other circumstances.

3. Containment/absorption medium for hazardous materials spill response - Road cleanup materials, unless determined to be hazardous wastes, are suitable for use as absorptive material to contain or to absorb hazardous materials in emergency situations. Following such use, the road cleanup material must be immediately handled in accordance with all requirements for hazardous materials. The road cleanup material cannot be permitted to wash into surface waters. If road cleanup materials are used in the form of embankments to contain larger spills, the road cleanup material must be stabilized to prevent surface waste contamination, and be collected and managed appropriately as a contaminated material.

4. Sub-base fill - Road cleanup material contaminated at levels below the latest non-residential SRS may be used for sub-base fill.

5. Soil mix additive for pavement materials - Road cleanup material may be used directly as replacement for raw material in concrete or asphalt for paving or other uses, without prior approval, if not contaminated above the latest non-residential SRS limits, and all other requirements for manufacture and use of the product are met.

6. Deicing/Antiskid Material - Road cleanup material may be used as deicing or antiskid material if contaminated below the residential SRS without prior Department approval.

7. Landfill cover - Under most circumstances, unless road cleanup material have been analyzed and determined to be hazardous wastes, road cleanup materials are suitable for landfill cover from the standpoint of pollutant contamination levels. Use of road cleanup material for landfill cover, especially road cleanup material with higher levels of contamination, isolates these contaminants from further contact with the environment and provides a favored option for road cleanup material use. It is, of course, the prerogative of individual landfill operators to require analyses of materials they are using for cover and under those circumstances, individual facilities may set certain limits or other criteria for contaminant levels in the materials. The generator of the road cleanup material should contact the landfill operator.

8. Recycling Centers - For recycling at approved Class B and Class C recycling centers in New Jersey: contact the authorized recycling center directly or Bureau of Transfer Stations and Recycling Facilities (BTSRF) at 609-292-9880. The Recycling Center must be authorized to accept road cleanup material specifically in its General Approval, or otherwise in writing by the Solid and Hazardous Waste Management Program road cleanup material accepted at an approved DEP recycling center do not require a waste flow exemption or a prior site-specific use approval as outlined below.

9. Other Uses Land Application - Other one-time land application uses of road cleanup material without prior approval are feasible in line with the above guidance if all contamination levels are below the latest most stringent site-specific SRS. Direct land application of road cleanup material contaminated at any level above the most stringent SRS and second or additional applications of road cleanup material contaminated below regulatory concern at the same site require DEP authorization on a case-by-case basis. Application for such uses must be made to BLHWP for a Certificate of Authority to Operate (CAO) a Beneficial Use Project pursuant to N.J.A.C. 7:26-1.7(g). This type of authorization is

technically rigorous, will require a detailed site description and may require at least six to eight weeks for review. Contact BLHWP for details. Actual standards applied at a particular site are determined by the DEP on a case-by-case basis and may differ from site to site. This variation is due to many factors, including site-specific human health and environmental exposure pathways, the presence and combinations of synergistic or additive site contaminants, and site-specific physical characteristics, however it is not the Department's intention to introduce contaminated materials into areas with lower levels of contamination.

**Asphalt Incorporation** - Road cleanup materials may be used directly at asphalt manufacturing plants as an ingredient in asphalt (bituminous concrete) production as exempt from solid waste regulations pursuant to N.J.A.C. 7:26-1.1(a)1 and N.J.A.C. 7:26A-1.4(a)1i.

**Product Incorporation** - Additionally, road cleanup materials, even those contaminated at higher levels of contamination, may be incorporated into structural products where the road cleanup materials are physically bound, or permanently entrained, such as into asphalt, concrete, structural building materials (such as block and brick) or other similar structural products. All requirements for the product's manufacture and use must be met. Case-by-case Departmental authorization is required for these uses only at a contamination level above non-residential SRS limits, except as outlined above for asphalt production.

**10. Disposal:** For information on disposal in accordance with N.J.A.C. 7:26 at a designated solid waste facility, contact the appropriate county solid waste management official for the designated solid waste district facility, to determine if the district has such a facility for ID 10 waste. A list of county solid waste officials is available at the department's web site.

## VII. RESPONSIBILITY & DISCLAIMER:

It is the responsibility of the generator of the road cleanup material to properly manage and characterize/classify the road cleanup material and to determine if road cleanup materials are contaminated.

**Disclaimer:** This guidance is offered without prejudice and shall not affect any ongoing or future enforcement actions that the Department or any other agency may take against any person for past or future activities. This guidance shall not relieve any person from obtaining any and all permits and authorizations required from any Federal, State, county or local agency and complying with all regulations and other requirements. The DEP reserves the right to require or conduct testing. Should road cleanup material be considered unsuitable by the DEP after the road cleanup material have been used/reused, the generator of the road cleanup material is responsible for their proper remediation, as well as for the remediation of all other media affected. Specifically, the DEP may take action if a more stringent SRS is adopted, the SRS's were improperly applied to a use application or other relevant requirements or criteria are developed. Use of road cleanup material shall not relieve any person from obtaining any and all permits required from any federal, state, county or local agency. This document does not grant permission to fill or alter floodplain areas, riparian lands, freshwater wetlands or surface water runoff conditions without the appropriate approvals.

The BLHWP, at (609) 984-6985 may be contacted for assistance and to obtain or confirm the latest available update of this guidance, which is also available at the department's web site <https://www.state.nj.us/dep/dshw/rrtp/bud.htm>.

Appendix H  
Total Maximum Daily Loads (TMDL)  
Guidance for Tier A MS4 Permittees



## ***Total Maximum Daily Load (TMDL) Guidance for Tier A MS4 Permittees***

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The Draft Tier A Municipal Separate Storm Sewer System (MS4) General Permit proposes to require Tier A MS4 permittees to review approved and adopted TMDL reports to identify any TMDLs that apply to surface water bodies wholly or partially within or bordering the Tier A municipality. The municipality would then use the information to prioritize maintenance of stormwater facilities and to identify and develop optional measures to address specific sources of stormwater-related pollutants contributing to a waterbody with an approved or adopted TMDL.

This guidance document provides examples of potential pollutant sources and responses to reduce pollutant loading for a number of common stormwater-related pollutants. This list does not contain all possible pollutant sources or all appropriate responses; therefore, municipalities must also consider other potential pollutant sources and responses as appropriate for their individual municipality. More detailed information on potential pollutant sources, potential responses, and proposed or completed projects aimed at reducing pollutant loading can be found in each TMDL document.

To use the Department's TMDL Look-Up Tool to find applicable TMDLs for each municipality, please visit [www.nj.gov/dep/dwq/msrp-tmdl-rh.htm](http://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm). To find a spreadsheet of all approved or adopted TMDLs in New Jersey, please visit [www.nj.gov/dep/wms/bears/tmdls.html](http://www.nj.gov/dep/wms/bears/tmdls.html) and select "Table of New Jersey TMDLs and Approval Status".

<b><i>Fecal Coliform/Total Coliform/E. Coli/Enterococcus/Pathogens</i></b>	
<b>Potential Sources</b>	<b>Potential Responses</b>
Stormwater management facilities that are improperly designed and/or maintained	Ensure proper operation and maintenance of publicly owned and privately owned stormwater management facilities
	Retrofit existing stormwater management facilities to provide enhanced water quality benefits
Illicit discharges and connections	Identify and eliminate illicit discharges and connections
	Prioritize infrastructure mapping and inspection in TMDL areas
Malfunctioning sewage conveyance facilities	Identify and eliminate illicit discharges and connections
On-site disposal systems that are inadequately designed, operated, maintained, or located	Identify and eliminate illicit discharges and connections
Runoff from impervious surfaces such as sidewalks, roads, rooftops	Encourage green or blue infrastructure and adopt BMPs as necessary especially for any new construction (see <a href="http://www.nj.gov/dep/gi/">www.nj.gov/dep/gi/</a> )
Pets	Enforce pet waste ordinance(s)
	Target public education materials to pet owners
Wildlife	Enforce wildlife feeding ordinance(s)
	Establish goose management BMPs
	Riparian/Lake and "No Mow" buffer restoration

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**NOTE:** This document is intended to provide examples of different pollutant sources and possible strategies for reducing pollutant loading to surface water bodies. This list is not exhaustive and is meant only to aid municipalities in identifying common pollutant sources and in taking optional measures to reduce pollutant loading.

## *Total Maximum Daily Load (TMDL) Guidance for Tier A MS4 Permittees*

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<b>Phosphorus</b>	
<b>Potential Sources</b>	<b>Potential Responses</b>
Stormwater management facilities that are improperly designed and/or maintained	Ensure proper operation and maintenance of publicly owned and privately owned stormwater management facilities
	Retrofit existing stormwater management facilities to provide enhanced water quality benefits
Unmanaged urban stormwater runoff	Implement green infrastructure and other stormwater management strategies to reduce the adverse effects of unmanaged stormwater runoff;
	Adopt a stricter stormwater control ordinance, such as reducing the threshold for major development or requiring on-site retention
	Prioritize street sweeping and stormwater inlet cleaning in TMDL areas
Illicit discharges and connections	Identify and eliminate illicit discharges and connections
	Prioritize infrastructure mapping and inspection in TMDL areas
Malfunctioning sewage conveyance facilities	Identify and eliminate illicit discharges and connections
On-site disposal systems that are inadequately designed, operated, maintained, or located	Identify and eliminate illicit discharges and connections
Pets	Enforce pet waste ordinance(s);
	Target public education materials to pet owners
Wildlife	Enforce wildlife feeding ordinance(s)
	Establish goose management BMPs
	Riparian/Lake and “No Mow” buffer restoration
Fertilizers	Ensure a mechanism is in place for enforcement of the New Jersey Fertilizer Law (see <a href="http://www.nj.gov/dep/healthylawnshealthywater/">www.nj.gov/dep/healthylawnshealthywater/</a> )

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**NOTE:** This document is intended to provide examples of different pollutant sources and possible strategies for reducing pollutant loading to surface water bodies. This list is not exhaustive and is meant only to aid municipalities in identifying common pollutant sources and in taking optional measures to reduce pollutant loading.


## *Total Maximum Daily Load (TMDL) Guidance for Tier A MS4 Permittees*

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<b>Total Suspended Solids</b>	
<b>Potential Sources</b>	<b>Potential Responses</b>
Stormwater management facilities that are improperly designed and/or maintained	Ensure proper operation and maintenance of publicly owned and privately owned stormwater management facilities
	Retrofit existing stormwater management facilities to provide enhanced water quality benefits
Unmanaged urban stormwater runoff	Implement green infrastructure and other stormwater management strategies to reduce the adverse effects of unmanaged stormwater runoff
	Adopt a stricter stormwater control ordinance, such as reducing the threshold for major development or requiring on-site retention
	Prioritize street sweeping and stormwater inlet cleaning in TMDL areas
Illicit discharges and connections	Identify and eliminate illicit discharges and connections
	Prioritize infrastructure mapping and inspection in TMDL areas
Malfunctioning sewage conveyance facilities	Identify and eliminate illicit discharges and connections
Construction site stormwater runoff	Ensure proper soil erosion and sediment control measures are installed on construction sites
Outfall pipe stream scour	Increase frequency of outfall pipe evaluation and repair instances of outfall pipe stream scour

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**NOTE:** This document is intended to provide examples of different pollutant sources and possible strategies for reducing pollutant loading to surface water bodies. This list is not exhaustive and is meant only to aid municipalities in identifying common pollutant sources and in taking optional measures to reduce pollutant loading.



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new jersey

department of environmental protection

DIVISION OF WATER QUALITY

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DWQ Topics

DWQ Programs & Units

Water Pollution Management Element

Bureau of Nonpoint Pollution Control

Industrial Stormwater Permitting Program

Municipal Stormwater Regulation Program

- Tier A Municipalities
- Tier B Municipalities
- Public Complex
- Highway Agency
- Case Manager List
- Emergency Snow Removal and Disposal Policy
- De-Icing Storage Policy
- Cleanwater Multimedia
- Stormwater Training
- TMDL Lookup

Companion Links

- [www.cleanwater.nj.org](http://www.cleanwater.nj.org)
- [www.njstormwater.org](http://www.njstormwater.org)

Onsite Wastewater Management Program

Discharge to Ground Water Permitting Program

Stormwater Management

Green Infrastructure in New Jersey

General Permits

Individual Permits

Find Forms | Contact Us

Bureau of Nonpoint Pollution Control

Municipality and County

Evesham Township

Burlington County

Total Maximum Daily Load(TMDL) Information for Selected Municipality:

Applicable Stream TMDL(s)

- Total Maximum Daily Loads for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region

Fecal Coliform - 2003 : Cooper River N and S Br : [View the TMDL Document](#)
- Total Maximum Daily Loads for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region

Fecal Coliform - 2003 : Pennsauken Creek N and S Br : [View the TMDL Document](#)
- Total Maximum Daily Loads for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region

Fecal Coliform - 2003 : Sharps Run : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Barton Run (above Kettle Run Road) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Barton Run (below Kettle Run Road) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Cooper River NB(above Springdale Road) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Kettle Run (above Centennial Lake) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Lake Pine / Centennial Lake & tribs : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Pennsauken Ck NB (above NJTPK) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Pennsauken Ck SB (above Rt 41) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Rancocas Ck SW Branch (above Medford br) : [View the TMDL Document](#)
- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Rancocas Ck SW Branch (below Medford br) : [View the TMDL Document](#)

- Total Maximum Daily Loads for Polychlorinated Biphenyls (PCBs) for Zones 2 - 5 of the Tidal Delaware River

Polychlorinated Biphenyls (PCBs) - 2003 : Rancocas Creek SB (below Rt 38) : [View the TMDL Document](#)

- Total Maximum Daily Loads for Total Phosphorus To Address Four Streams Segments and Two Lakes in Cooper River Watershed, Camden County Lower Delaware Water Region

Total Phosphorus - 2004 : Cooper River N and S Br : [View the TMDL Document](#)

#### **Applicable Lake TMDL(s)**

- Total Maximum Daily Loads for Total Phosphorus To Address Four Streams Segments and Two Lakes in Cooper River Watershed, Camden County Lower Delaware Water Region

Total Phosphorus - 2004 : Cooper River Lake : [View the TMDL Document](#)

- Total Maximum Daily Loads for Pathogens to Address 17 Lakes in the Lower Delaware Water Region

Fecal Coliform - 2007 : Kings Grant Lake : [View the TMDL Document](#)

- Total Maximum Daily Loads for Pathogens to Address 17 Lakes in the Lower Delaware Water Region

Fecal Coliform - 2007 : Lake Coxtoken : [View the TMDL Document](#)

- Report on the Establishment of Total Maximum Daily Load (TMDL) For Phosphorus in Strawbridge Lake, Moorestown Township, Burlington County, NJ Amendment to the Tri-County Water Quality Management Plan

Total Phosphorus - 2000 : Strawbridge Lake : [View the TMDL Document](#)

- Total Maximum Daily Loads for Pathogens to Address 17 Lakes in the Lower Delaware Water Region

Fecal Coliform - 2007 : Sturbridge Lake : [View the TMDL Document](#)

#### **Applicable Shellfish TMDL(s)**

- Five Total Maximum Daily Loads for Total Coliform to Address Shellfish-Impaired Waters in Watershed Management Area 14

Total coliform - 2006 : Mullica Middle-A, Mullica Upper-A : [View the TMDL Document](#)



Appendix I  
Evesham Township Municipal Maintenance Yard  
Inventory List

Evesham Township Department of Public Works Vehicles

Vehicle #	Plate #	Vin #	Description	Make	Model	Year
098	MG35883	1FMZU34E1WUD06253	4X4 Explorer	Ford		1998
099	MG27818	1FMDU34X2VUD26697	4X4 Explorer-It blue	Ford	Explorer	1997
100	MG93903	1FM5K8B85DGB94034	SUV	Ford	Explorer	2013
200	MG96529	1FM5K8B85DGB90422	SUV	Ford	Explorer	2013
101	MG93905	1FT8X3BT6DEA40261	4x4 Pick up	Ford	F350	2013
102	MG93904	1FT8X3BTXDEA18425	4x4 Pick up	Ford	F350	2013
103	MG35904	1FDSF34F1XEB19790	Utility	Ford	F350	99
104	MG39109	1FTNF21F8XEE23778	4x4 Pickup	Ford	F250	99
105	MG50948	1FDXF46F12EA85738	Utility	Ford	F450	2002
105A	15764MG	1FDUF5HT4GEB89014	Utility	Ford	F550	2016
106	26078MG	1FVAG3FE5HJW1164	Dump	Freightliner	114SD	2018
107	MG57098	1FDZS86E6WVA10462	Dump	Ford	11VILE	98
108	MG31530	1FDZY82E1VVA18696	Dump	Ford	LTS8000	97
108A	12839MG	1FVHG3CY5FHGD2345	Dump	Freightliner	114SD	2015
109 (226)	MG44531	1FDZY82EXVVA18695	Dump (Refuse Packer)	Ford	LTS8000	97
109A	15765MG	5KKHAVCY2GLHM0741	Dump	Western Star	W4700SF	2016
110	MG90242	1FVHC3BSXCHBC5641	Dump	Freightliner	M2 106	2012
111	MG86026	1FDXF47F32EB54184	Mini-Dump	Ford	F450	2002
112	MG63704	1FDXF47P95EB01423	Mini Dump	Ford	F450	2005
113	MG60178	1FDSW35P24EC35938	4x4 Pickup	Ford	F350 CrewCab	2004
115	MG92141	1FDUF5HT7CEA46052	Mini Dump	Ford	F550	2012
116	MG31545	3FTHF26F1VMA52461	4x4 PU	Ford	F250	97
117	MG44264	2FZAAWBS91AH48437	Stake Body	Sterling	8513	2001
118	MG37483	1FTNF21F7XED05138	4x4 Pick-Up	Ford	F250	1999
119	MG49800	1FTNF21F02EA85737	4x4 Pickup	Ford	F250	2002
120	MG90243	1FVAC3BS1CHBC5755	Dump	Freightliner	M2 106	2012
121	MG81374	1FZAAWBS58AAC4685	Dump	Sterling	8500	2008
122	MG77116	2FZACHBS97AY43625	Dump	Sterling	Acterra	2007
123	MG80334	2FZAAWBS88AAC3632	Dump	Sterling	L8500	2008
124	MG82143	2FZHAWBS72AJ86129	Dump	Sterling	LT8513	2002
125	MG82904	2FZHAWBS32AJ86130	Dump	Sterling	LT8513	2002
126	MG93125	1FVAC3BSXCHBU3658	Dump w/snow plow	Freightliner	M2-106V	2012
127	12801MG	1FVAG5CY9FHGB9949	Stake	Freightliner	108SD	2015
128	MG96227	1FDUF5HT7DEA25154	Mini Dump	Ford	F550	2013
129	15755MG	1FDUF5HT3GEB35686	Mini Dump	Ford	F550	2016
SW49	15464MG	1FVACXDT9GHGW9329	Elgin Sweeper	Elgin	M2	2016
131	MG27763	1FDXF80E8VVA28304	Aerial Bucket	Ford	F800	97
133	MG17503	VG6M118BZRB301019	Catch Basin/Sweeper	Mack/Leach	VAC-ALL	94

Evesham Township Department of Public Works Vehicles

Vehicle #	Plate #	Vin #	Description	Make	Model	Year
136	MG54999	2FZACFBXS3AL76889	Dump w/Crane	Sterling	Acterra	2003
137	MG57099	2FZAABWS84AM17544	Dump	Sterling	L8513	2004
138	MG64641	2FZACHBS05AU92388	Dump	Sterling	Acterra	2005
139	MG69561	2FZHAWBS37AX45764	Dump	Sterling	Acterra	2007
140	MG49218	1FDWF37F11ED78364	Mini Dump	Ford	F350	2001
141	MG91396	1FDXF47R18EA07946	Mini Dump	Ford	F450	2008
200	26097MG	1NPTX7EX7JD479480	Dumpster Truck	PETERBILT		2018
201	MG91393	1M2AU04CXGM006622	ASL	MACK	LE / EZ PacL	2012
202	MG91394	1M2AU04C1CM006623	ASL	MACK	LE / EZ PacL	2012
203	MG91392	1M2AU04C3CM006624	ASL	MACK	LE / EZ PacL	2012
204	MG91391	1M2AU04C5CM006625	ASL	MACK	LE / EZ PacL	2012
205	MG96228	1M2AU04C0DM007943	ASL	MACK	LE / EZ PacL	2013
206	20898MG	3BPZL70X4HF174574	ASL	PETERBILT	EZ PACK	2017
215	MG63710	4V2DC2UEOYN237450	Auto Side Loader	Volvo	WX64 Expedito	2000
217	MG59697	5VCD6LF64H200421	Auto Side Loader	Autocar	WX64	2004
220	25269MG	5KKAXCY9GPHK2063	Refuse Packer	Western Star		2016
223	MG48639	1FDYR82E8TV405031	Refuse Packer	Ford	LN8000	96
224	MG49758	2FZHAWBS52AJ86128	Refuse Packer	Sterling	LT8500	2002
225	MG74376	2FZHAWBSX7AY43626	Refuse Packer	Sterling	LT8513	2007
226	MG93101	1FVHCYBSXCHBU3655	Rear Loader	Freightliner		2012
227	MG93881	5KKHAYBS3DPBS5973	Rear Loader	Western Star		2012
4630D	MG39966	126692B	Flail Mower	New Holland	4630 w/Alamo	99
555E	MG30686	31004847EA686974	Backhoe	New Holland		97
AirComp	MG13851	240037UIE309	Air Compressor	IngersollRan	175	93
Bandit 2	MG66806	4FMUS15115R021033	Chipper	Bandit	250	2005
Kettle	MG49757	2M9DMK1T31H102008	Asphalt Kettle	Marathon	UCMK145DT	2001
L120C	MG30685	L120CV61805	Loader	Volvo	L120C	1997
L70	MG63907	L70DV19369	Loader	Volvo	L70	2002
LB75	MG48640	31032726	Backhoe	New Holland	LB75B3	2001
LeafVac4	MG40231	1A9SC2338XM274006	Leaf Vacuum Trailer	American Rd	ALC-25-TM	1999
LeafVac5	MG72752	1A9TC2335YM274017	Leaf Vacuum Trailer	American Rds	ALC-25	2000
LeafVac6	MG96258	1Z9PS2428DR168076	Leaf Vacuum Trailer	ODB	ODSCL800TM	2013
LeafVac7	20863MG	1Z9PS2422GR168157	Leaf Vacuum Trailer	ODB		2016
LeafVac8	26079MG	1L92B2223HG499094	Leaf Vacuum Trailer	Tarco	Hurricane	2017
LX885		115214	Skid Steer Loader	New Holland	LX885	98
RubTrack	MG98348	42368	Rub Track Excavator	Kubota	KX91R1S2	2013
Paver			Asphalt Paver	LeeBoy	700	96
Roller1		361146	Asphalt Roller	Stowe	SR2500	94



Evesham Township Department of Public Works Vehicles

Vehicle #	Plate #	Vin #	Description	Make	Model	Year
Roller3		168370	Asphalt Compactor	Dura-Pac	DD-30	2001
Sifter	MG54969	T4000716	Screen Sifter	Thomas	TES400	2002
TRL1	MG17532	1C9TT1411R1193483	Trailer	Centerville		94
TRL10	MG86029	43YDC1427AC078461	Trailer - Hot Box	BriMar	DT610-7	2010
TRL3	T65F5X	112H8V316XL053469	Trailer	Eager Beaver	20XPT	1999
TRL4	MG53464	4YMUK121610677	Trailer	Franklin		2002
TRL5	MG53950	1DA12T5933P016197	Trailer	Trail-EZE	TE4OPSA30	2002
TRL6	MG60650	4GM1M091341452653	Message Board	SolarTech		2004
TRL8	MG77131	5JWTTU122081013000	Dump Trailer	Sure-Trac		2007
TRL9	MG82129	43YDC22218C066227	Trailer	BriMar	EH16-10	2008
TRL10	MG98344	1P91E1715DG301571	Message Board	SMC2000		2013
TRL11	MG98347	43YDC2627EC102251	Trailer	Bri-Mar	HT20D-12	2013
CC-1	25293MG	1FADP5AU5HL115853	Clean Comm. Hybrid	Ford	Cmax	2017

Appendix J

New Jersey Hydrologic Modeling Database

Evesham Township Stormwater Management Basins

