

Stormwater Pollution Prevention Plan

Township of Piscataway

Middlesex County

NJG0149934

August 2020

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SPPP Form 1 – SPPP Team Members

All records must be available upon request by NJDEP.

Stormwater Program Coordinator (SPC)	
Print/Type Name and Title	Guy Gaspari, P.E., P.P., P.L.S., CPWM, Director of Public Works
Office Phone # and email	732-562-2390, ggaspari@piscatawaynj.org
Signature/Date	Guy Gaspari, 3/25/21
Individual(s) Responsible for Major Development Project Stormwater Management Review	
Print/Type Name and Title	Charlie Carly, Contracted P.E.
Print/Type Name and Title	Joe Herrera, Supervisor of Engineering
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
Other SPPP Team Members	
Print/Type Name and Title	Jim Ferratti, Assistant Director of DPW
Print/Type Name and Title	Melissa Seader, Township Clerk
Print/Type Name and Title	Dana Korbman, Chief of Staff
Print/Type Name and Title	Gene Wilk, Public Information Officer

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.	8/21/19	G.G	8/21/19	Annual Review and Revision
2.	8/10/20	G.G.	8/10/20	Annual Review and Revision
3.	3/25/21	G.G.	3/25/21	Set up for Piscataway website
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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:	www.piscatawaynj.org
2. Date of most current SPPP:	August 10, 2020
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	www.piscatawaynj.org
4. Date of most current MSWMP:	March 8, 2006
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	Location of the MSWMP is in the Township Planner's office within the Community Development Dept. located at 5050 Sidney Rd., Piscataway, NJ
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>The Township of Piscataway provides public notice of meetings as required by the Open Public Meetings Act ("Sunshine Law," N.J.S.A. 10:4-6 et seq.) and as required by the N.J.S.A. 40:49-I et. seq. for the passage of ordinances. The Township will also provide public notice or municipal actions, such as the adoption of the municipal stormwater management plan by the Municipal Land Use Law (N.J.S.A. 40:55D-I et. seq).</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.

Public Education and Outreach Events are advertised in multiple ways. The Township of Piscataway posts information for such events on the website at www.piscatawaynj.org

For Brochure Distribution the Township of Piscataway will distribute the DEP provided brochure to residents in the Township's quarterly newsletter.

The Piscataway street fair and National Night Out are also utilized for Township personnel to distribute educational materials and informational brochures.

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.

The quarterly newsletter and training events are used to explain the hazards of illicit connections and improper disposal of waste.

3. Indicate where public education and outreach records are maintained.

Public education and outreach records are maintained in the DPW Office located at: 505 Sidney Rd. Piscataway, NJ.

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

All records must be available upon request by NJDEP.

1. How does the municipality define 'major development'?
Major Development is defined as "any development that provides for ultimately disturbing one or more acres of land. Disturbance for the purpose of this rule is the placement of impervious surface or exposure and/or movement of soil or bedrock or clearing, cutting, or removing of vegetation."
2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?
No
3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?
All plans are reviewed by the Township Engineer or the consulting Engineer. Both are informed on the requirements of the Stormwater Control Ordinance.

<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>All development project applications are subject to the procedures of the NJ Municipal Land Use Law. When a developer submits plans for a major land improvement to either the Zoning Board of Adjustment or the Planning Board they are reviewed by the Board Professional Engineer and the respective Board members that will comment and request for relevant revisions in order to comply with all aspects of the Piscataway Municipal Land Use Code. That includes all aspects of the Stormwater Control Ordinance (SCO) and the Residential Site Improvement Standards (RSIS). Upon final approval of the plans, the developer shall commence construction under the supervision of inspectors from the Engineering Division of the Piscataway Department of Community Development to ensure that all aspects of the final approval are met.</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>They are available through the Planning and Zoning Board secretary whose office is located at 505 Sidney Rd., Piscataway, NJ</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	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
2. Wildlife Feeding permit cite IV.B.5.a.ii	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
3. Litter Control permit cite IV.B.5.a.iii	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2	9/20/05	www.piscatawaynj.org/stormwater	No	Police or Code Enforcement

Indicate the location of records associated with ordinances and related enforcement actions:

Piscataway Police Department, 555 Sidney Rd, Piscataway, NJ 08854
Piscataway Code Enforcement, 505 Sidney Rd, Piscataway, NJ 08854

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.

The Township of Piscataway has determined that the following roads should be swept monthly: Centennial Ave., Corporate Place, Corporate Place South, Circle Dr., Freeway Dr., Duke Rd., Roma Blvd, Colonial Dr., Springfield Ave., New England Ave., Knightsbridge Rd., Kingsbridge Rd.

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.

It is a goal of the Township of Piscataway to sweep all municipally-owned residential and non-required roads at least once per year. Private commercial or residential roads are not swept by the Township.

3. Does the municipality provide street sweeping services for other municipalities? If so, please describe the arrangements.

No, the Township of Piscataway is not currently engaged in any shared services for sweeping.

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.

These records are retained by the Public Works Foreman of Roads in the Public Works Office.

SPPP Form 8 – Catch Basins and Storm Drain Inlets

All records must be available upon request by NJDEP.

<p>1. Describe the schedule for catch basin and storm drain inlet inspection, cleaning, and maintenance.</p>
<p>Catch Basin and Storm Drain inlets are inspected continuously throughout the year. The Township of Piscataway aims to inspect a basin or inlet at least once per year. The basins are cleaned on an as needed basis if they meet inspection criteria. Maintenance is performed on an as-needed basis.</p>
<p>2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.</p>
<p>15 Woodlake Drive, constantly backed up by leaves Rushmore & 4th, intersection, constantly blocked by debris Morris Ave & Surrey Lane, leaves Entire length of Beatty Street, low areas are impacted by leaves and debris</p> <p>All of these issues result in localized flooding if not prevented.</p>
<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>
<p>Before storms these areas are inspected and cleaning to prevent issues.</p>
<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>
<p>When the basin/inlet is inspected, the inspector looks for clear and legible labeling, if need be the labeling is replaced.</p>
<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.</p>
<p>These records are retained by the Foreman of Sanitation and Storm Sewers in the DPW office located at 505 Sidney Rd, Piscataway NJ 08854</p>

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.
Municipally-owned storm drains are retrofitted alongside road repaving programs, grates and catch basin heads are installed prior to new paving.
2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.
A municipal inspector or Public Works personnel ensure that the appropriate retrofits are completed.
3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.
During initial approvals the development must comply with the installation of appropriate retrofits.
4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.
All projects are inspected when under construction and retrofits are included in those inspections so that they are appropriately installed.

SPPP Form 10 – Municipal Maintenance Yards and Other Ancillary Operations

All records must be available upon request by NJDEP.

Complete separate forms for each municipal yard or ancillary operation location.

Address of municipal yard or ancillary operation:

**Township of Piscataway Department of Public Works
505 Sidney Rd., Piscataway, NJ 08854**

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:

Raw materials – top soil, sand, road stone, clean stone

Intermediate products – None

Final products – None

Waste materials – Use tires

By-products – None

Machinery – Caterpillar 920G, John Deere loaders, Bobcat Loader, Backhoes, other machinery
Is stored in garages or under canopy cover.

Fuel – Aboveground storage tanks

Lubricants – None

Solvents – None

Detergents related to municipal maintenance yard or ancillary operations – None

Other – None

<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.</p> <p>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.</p>
<p>1. Fueling Operations</p>
<p>Best practices for refueling the tanks includes putting a dyke around nearby catch basins and monitoring the refueling process.</p> <p>For fueling vehicles, the pump and vehicle must be attended to at all times, there is signage to guide users to the emergency shut off, spill and dyke kits.</p>
<p>2. Vehicle Maintenance</p>
<p>All vehicle maintenance is done inside in the garages. There is a floor drain that drains to sanitary sewer.</p>
<p>3. On-Site Equipment and Vehicle Washing</p> <p><i>See permit attachment E for certification and log forms for Underground Storage Tanks.</i></p>
<p>There is an enclosed recirculating vehicle washing bay that utilizes an oil/water separator, then drains to sanitary.</p>
<p>4. Discharge of Stormwater from Secondary Containment</p>
<p>Not applicable</p>

<p>5. Salt and De-Icing Material Storage and Handling</p>
<p>There is an enclosed salt barn on premises, other deicing materials are stored in polyethylene tanks.</p>
<p>6. Aggregate Material and Construction Debris Storage</p>
<p>Aggregate is stored in bins outside, construction debris is stored in roll-off containers.</p>
<p>7. Street Sweepings, Catch Basin Clean Out and Other Material Storage</p>
<p>These materials are stored in roll-off containers until they can be trucked off site.</p>
<p>8. Yard Trimmings and Wood Waste Management Sites</p>
<p>These materials are stored in roll-off containers until they can be trucked off site.</p>
<p>9. Roadside Vegetation Management</p>
<p>Mowing and brush removal is performed as needed, materials are ground up, or trucked off site.</p>

SPPP Form 11 – Employee Training

All records must be available upon request by NJDEP.

<p>A. Municipal Employee Training: 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	Public Works
2. Stormwater Facility Maintenance	Every year	Public Works
3. SPPP Training & Recordkeeping	Every year	Public Works
4. Yard Waste Collection Program	Every 2 years	Public Works
5. Street Sweeping	Every 2 years	Public Works
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	Public Works
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	Public Works
8. Waste Disposal Education	Every 2 years	Public Works
9. Municipal Ordinances	Every 2 years	Code Enforcement and Public Works
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Code Enforcement and Public Works
<p>B. Municipal Board and Governing Body Members Training: 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 www.nj.gov/dep/stormwater/training.htm.</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>		
<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. Indicate the location of the DEP certificate of completion for each reviewer.</p>		

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.

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.

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

The Township of Piscataway will develop a schedule for the inspection of all outfalls and keep the appropriate records. Records will be kept in the department of public works office located at 505 Sidney Rd., Piscataway, NJ 08854

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.

When the outfalls are inspected the personnel look for scour. There are currently no records of detected scour.

4. **Illicit Discharges:** Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfall pipes. Record cases of illicit discharges using the DEP's Illicit Connection Inspection Report Form (www.nj.gov/dep/dwq/tier_a_forms.htm) and indicate the location of these forms and related illicit discharge records.

Note that Illicit Connection Inspection Report Forms shall be included in the SPPP and submitted to DEP with the annual report.

During periods of dry weather employees go to the mapped locations of outfalls and inspect them for any flow. At many locations there is commonly water present but personnel look for outliers or increased flow that would denote an illicit connection.

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.

The program for long term cleaning, operation and maintenance of Piscataway stormwater facilities is to follow best practices and continue with yearly and as-needed inspections and repairs.

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.

There is currently an ordinance in place requiring all applications for major developments to include a maintenance program for all storm sewer facilities in compliance with MS4 regulations, Adherence to this ordinance shall be rigidly enforced going forward.

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.

This information will be located in the Public Works office.

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 (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/.

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, list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

Fecal Coliform (400 cfu/100 mL)

- Green Brook, Bound Brook
- Raritan R downstream of Green Brook/Bound Brook, includes Cuckels Brook, Dukes Brook, Middle Brook

Mercury (94.1 kg/yr, 0.26 kg/day)

- Bound Brook
- Raritan River Lwr

Total Suspended Solids (25 mg/L)

- Ambrose Brook
- Bound Brook
- Green Brook
- Raritan River Lwr

The municipality through ordinances and various remedial operations mitigate the total suspended solids, coliform and mercury that may enter these waters.

2. Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.

Stormwater facilities are regularly monitored for pollutants. The municipality has in place pet waste, no feeding of wild life and litter ordinances. Additionally, the streets are regularly swept to mitigate road debris from entering the waterways and the municipality regularly uses border collies to chase geese from entering or approaching waterways. Medical waste that may produce mercury is regulated by state statute for proper disposal. With regards to wastewater, pump stations, manholes and piping are regularly monitored for proper operation including an ongoing remediation of inflow and infiltration program to reduce wastewater seepage into the groundwater. All wastewater is sent to the Middlesex County Utilities Authority for treatment.

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.

The permittee has established the following Best Management Practices that extend beyond the requirements of the Tier A MS4 NJPES permit:

Developed a program for the reduction of infiltration and inflow of stormwater into wastewater systems simultaneously mitigating wastewater into the groundwater.

Established a geese control program by using border collies on a regular basis to keep fecal coliform out of the open waters.

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

Yes