

# Stormwater Pollution Prevention Plan

City of Bayonne

Hudson County

NJPDES # NJG0151033

August 2019

## **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	Timothy Boyle MUA Director
Office Phone # and eMail	(201)858-6112 tboyle@baynj.org
Signature/Date	
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>	
Print/Type Name and Title	Miguel Lopez, P.E. CME Associates
Print/Type Name and Title	Andrew Raichle, P.E. Matrix New World
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	Thomas Cotter Public Works Director
Print/Type Name and Title	Joe Cannarozzo Public Works Superintendent
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.	08/01/2006		Form 1 Thru Form 15	Initial SPPP Release
2.	08/30/2019		Form 1 Thru Form 15	Update SPPP per General Permit requirements
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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.bayonnenj.org
2. Date of most current SPPP:	August 2009
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	www.bayonnenj.org
4. Date of most current MSWMP:	April 2005 last revised October 2019
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	www.bayonnenj.org/ordinance/
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. 10:4-6 et seq.), the City of Bayonne provides public notice in a manner that complies with the requirements of that Act. For passage of ordinances, the City of Bayonne 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), the City of Bayonne complies with the Municipal Land Use Law (N.J.S.A. 40:55D-1 et seq.) requirements .</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.

Educational brochures provided by the NJDEP are normally mailed within the City's tax bills to all residents and businesses within the City of Bayonne. Educational brochures and other supplemental educational information that are provided on NJDEP's websites ([https://www.nj.gov/dep/dwq/msrp\\_suplment\\_ed.htm](https://www.nj.gov/dep/dwq/msrp_suplment_ed.htm) and [https://www.nj.gov/dep/dwq/msrp\\_ed\\_brochure.htm](https://www.nj.gov/dep/dwq/msrp_ed_brochure.htm)) are made available on the City's official website (<http://www.bayonnenj.com>).

Additional copies of educational brochures are made available at the City's Public Library. The City of Bayonne also incorporates stormwater management education into its annual events which takes place during the fall. At this events, the City of Bayonne also provides educational 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.

An Illicit Connection Ordinance has been adopted by the City of Bayonne to prohibit illicit connections to the municipal separate storm sewer system (small MS4). In addition, the City has implemented an inspection program through Suez, the company that manages Bayonne's water and sewer utilities, to detect and eliminate illicit connections into the City's small MS4.

If the inspection program is able to locate an illicit connection the responsible party is cited for being in violation of the Illicit Connection Ordinance, and the responsible party will be ordered to eliminate the illicit connection. If an illicit connection cannot be located or is found to originate from another public entity, the city will submit to the NJDEP a written explanation detailing the results of the investigation and notify that public entity.

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

Public education and outreach records are maintained at the Stormwater Program Coordinator office.

## 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 means any development that provides for ultimately disturbing one or more acres of land or increasing impervious surface by one-quarter acre or more.
2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?
Yes. Residential and non-residential projects are reviewed to identify if the project qualifies as a major development in accordance with the definition of major development in the RSI Standards or City Ordinance, respectively. If the project qualifies as a major development, proposed stormwater management measures are reviewed to verify that projects meet soil erosion, groundwater recharge, stormwater runoff quantity and stormwater runoff quality standards at N.J.A.C. 7:8-5.4 and 5.5. In addition, projects are reviewed to verify that to the maximum extent practicable, these standards are met by incorporating nonstructural stormwater management strategies at N.J.A.C. 7:8.3 and as required in the City Ordinance.
3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?
All municipal projects that are deemed to be major projects are reviewed for compliance with soil erosion, groundwater recharge, stormwater runoff quantity and stormwater runoff quality standards at N.J.A.C. 7:8-5.4 and 5.5. In addition projects are reviewed to verify that to the maximum extent practicable, these standards are met by incorporating nonstructural stormwater management strategies at N.J.A.C. 7:8.3 and as required in the City Ordinance.
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.
All applications for major development are reviewed to ensure it meets the requirements set forth in the Stormwater Control Ordinances and the Municipal Stormwater Management Plan.
1. Existing Site Conditions <ol style="list-style-type: none"> <li>a. Identify existing drainage areas with the flow paths and specific hydrologic features, such as depression areas or ponds that detain stormwater runoff.</li> <li>b. Identify existing discharge point(s) of the site.</li> </ol>

- c. Identify existing land cover with the lowest runoff potential in the past five years.
- d. Use Soil Survey information to identify the Hydrologic Soil Groups of the soils on site (or on-site soil testing, if available).
- e. Identify impaired waters and TMDLs, and identify the parameters for which those waters are impaired or for which the TMDL was adopted.

2. Proposed site conditions

- a. Identify proposed disturbance and impervious surfaces.
- b. Identify proposed drainage area, flow paths, grading, sewers and slopes.
- c. Determine if the proposed drainage areas converge on-site or are diverted to different discharge points.
- d. Identify water quantity requirements and the compliance method the design engineer chose.
- e. Identify water quality requirements: any increase of impervious surface, redeveloped impervious surface, lost water quality treatment or features.

3. Review of Soil Testing Report

- a. Determine if the soil test was performed and reported in accordance with Appendix E, Soil Testing Criteria, of the New Jersey Stormwater BMP Manual.
- b. Identify if the seasonal high water table was determined by direct observation during the months of January through April or by mottling during any time of year.
- c. Determine if the soil borings and profile pits were conducted at the location of infiltration BMPs.
- d. Determine if the depth of the soil boring and permeability rate was conducted at the greater of 8 feet from the lowest point in the basin, or twice the maximum water depth in the basin.
- e. Determine if the method to determine permeability rate is permitted in the Appendix E Soil Testing Criteria.
- f. Verify whether the soil designation from the Soil Survey is consistent with the soil testing result. If not, adjust the HSG soil designation used in calculation of the quantity of the runoff.

4. Review of Calculation of Runoff Volume and Peak Flow

- a. Review the applicability of the selected modelling method.
- b. Review the modelling parameters for pre- and post-constructions, such as the runoff coefficient, curve number, time of concentration, and HSG soil designation.
- c. Identify if the runoff from impervious and pervious surfaces are calculated separately and not with a weighted average of the CN numbers for impervious surface and pervious surface.
- d. Determine if the curve number selection makes sense.
- e. Determine if the method to determine permeability rate is permitted in the Appendix E Soil Testing Criteria.
- f. Verify whether the soil designation from the Soil Survey is consistent with the soil testing result. If not, adjust the HSG soil designation used in calculation of the quantity of the runoff.

5. Review of Water Quality Requirement

- a. Determine if drainage areas having separate discharge points (identified in Step 2 above) are all proposed to be treated to 80% TSS removal.
- b. Determine if the untreated, clean, roof runoff is mixed with roadway/parking area runoff before flow into a BMP. If so, the volume of clean, roof runoff must be also considered with the volume of roadway/parking area runoff.
- c. Identify if any BMPs in series are in order of ascending TSS removal.
- d. If a BMP with extended detention is used, determine if the detention time is calculated properly.
- e. Identify the nonstructural strategies and BMPs that can reduce the nutrient load to the maximum extent feasible. Typical phosphorous and nitrogen removal rates for BMPs are available in Table 4.2 of Chapter 4 of the BMP Manual.

#### 6. Review of Water Quality Requirement

- a. Identify the extent of the site that has been previously developed, if the applicant claims the Urban Redevelopment Area exemption of groundwater recharge. The definition of “previously developed area” is available at DEP’s Stormwater Management Rule FAQs.
- b. Determine if the stormwater runoff is from the area of high pollutant loading or if the stormwater is exposed to industrial source material that must not be recharged.
- c. Apply the presumption that the pre-construction condition of a site or portion thereof is a wooded land use with good hydrologic condition unless the applicant can demonstrate other hydrologic condition has existed on the site or portion of the site for at least five years without interruption prior to the time of application.
- d. Determine if the design engineer has assessed the hydraulic impact on the groundwater table and design the site so as to avoid adverse hydraulic impacts.

#### 7. Review of the BMP design

- a. Review the BMPs chosen with their respective chapters in the New Jersey Stormwater BMP Manual to ensure they match the design.
- b. Determine if the BMPs have adequate separation from the seasonal high water table and are proposed in areas with sufficient infiltration rates.
- c. Review the details of the proposed BMPs to ensure they match the submitted model, they match the design in the New Jersey Stormwater BMP Manual, and the safety requirements in the SCO, RSIS, and/or Stormwater Management rule.
- d. If infiltration BMPs are used, determine if a groundwater mounding analysis is provided. If not, it must be requested. This analysis must show that the BMP will drain in less than 72 hours and will not adversely affect any nearby structures.

#### 8. Maintenance Plan

- a. Identify if the maintenance plan includes the contact information of the responsible party including name, address and telephone number.
- b. Identify if the responsible party is an individual homeowner in a multiple-lot development. Assigning maintenance responsibilities to an individual homeowner shall not be permitted.
- c. Identify if the maintenance plan has the required specific preventive and corrective maintenance tasks and schedules, including:
  - repairs or replacement to the structure;
  - removal of sediment, debris or trash;
  - restoration of eroded areas;
  - snow and ice removal;
  - fence repair or replacement;
  - restoration of vegetation and repair or replacement of non-vegetated linings; and
  - cost estimates, including estimated cost of sediment, debris, or trash removal.

#### 9. Complete Permit Attachment D – Major Development Stormwater Summary

- a. Document all structural and non-structural stormwater measures on the Major Development Stormwater Summary form (as posted on the Department’s website [www.nj.gov/dep/dwq/tier\\_a\\_forms.htm](http://www.nj.gov/dep/dwq/tier_a_forms.htm)).
- b. Each form has space for up to four stormwater measures/BMPs. Please complete additional forms as needed to document all stormwater measures included in each major development project.
- c. Update this form during installation and finalize once the certificate of occupancy is issued.
- d. Maintain the completed form(s) and make available to the Department upon request.

<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>Planning Board/Zoning Board Office.</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	4/25/07	www.bayonnenj.org	Yes	Police Department
2. Wildlife Feeding permit cite IV.B5.a.ii	11/10/09	www.bayonnenj.org	No	Department of Health
3. Litter Control permit cite IV.B5.a.iii	10/19/11	www.bayonnenj.org	No	Health Officer
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	6/15/11	www.bayonnenj.org	No	Police Department, Construction Official, City Engineer, Health Officer
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	6/15/11	www.bayonnenj.org	No	Police Department, Construction Official, City Engineer, Health Officer
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	6/15/11	www.bayonnenj.org	Yes	City Engineer
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	11/08/06	www.bayonnenj.org	Yes	City Engineer
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	11/08/06	www.bayonnenj.org	Yes	Police Department, Construction Official, City Engineer, Health Officer & Seuz
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2	6/15/11	www.bayonnenj.org	Yes	Police Department, Construction Official, City Engineer, Health Officer

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

Records associated with ordinances and related enforcement actions are kept in the Department enforcing the specific ordinance.

## 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 City of Bayonne has an existing street sweeping program, in which the entire City is swept four (4) times a year. There are no streets in the City meeting the NJDEPS permit criteria that will require the municipality to sweep the streets at least once per month. County Roads within the City are maintained by the County of Hudson.

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.

The City of Bayonne has an existing street sweeping program, in which the entire City is swept four (4) times a year. There are no streets in the City meeting the NJDEPS permit criteria that will require the municipality to sweep the streets at least once per month. County Roads within the City are maintained by the County of Hudson.

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

The City of Bayonne does not provide sweeping services for other 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.

All sweeping records are kept at the office of the Director of the Public Works Department. All records correspond to sweeping activities on City streets not required to be swept by the NJPDES permit.

## 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.
The City of Bayonne has an established stormwater maintenance program through Seuz (the company that manages the Bayonne's water and sewer utilities) to inspect/clean/maintain catch basins and storm drain inlets at least once annually or on as-need basis. The NJDEPS general permit requires each catch basin and inlet to be inspected at least once every five years.
2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.
There are no catch basins and/or storm drain inlets with recurring problems within the City's jurisdiction.
3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.
Cleaning/maintenance/repair of catch basins and/or storm drainage inlets with problems are immediately addressed by Seuz on as-needed basis.
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.
A storm drain inlet labeling program was implemented and 100% of the storm drain inlets have been labeled to date. Inlet labels that need to be refreshed are identified during system cleaning/maintenance inspections and stencils are refreshed on an as-needed basis.
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.
Records of all storm drain inlet and catch basin inspections, and cleaning activities are kept in the office of the Director of Public Works and Stormwater Program Coordinator.

## 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.
The City requires retrofitting of existing storm drain inlets to meet the Standard contained in Attachment C of the NJPDES permit. All inlets in direct contact with municipal project involving repaving, repairing (excluding repair of individual potholes), reconstruction or alteration of facilities owned or operated by the City are required to be retrofitted or replaced to meet the Standard.
2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.
All City projects include standard details and specification requirement for inlets/catch basins to be retrofitted. Prior to final payment, an inspection of the project is conducted and a punch list is issued which includes all deficient items to be addressed prior to final payment.
3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.
All privately owned storm drain inlets are required to be retrofitted when due to the scope and/or size of the project the owner is required to obtain Planning Board or Zoning Board approval.
4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.
All private projects approved by the Planning/Zoning Board include standard details for inlets/catch basins to be retrofitted. The City requires bonding of all improvements and a final inspection by the City Engineer is required, prior to bond release, to ensure all improvements are constructed as approved.

## 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:

**46 Hook Road, Bayonne, New Jersey 07002**

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 – **Stone**

Intermediate products – **None**

Final products – **None**

Waste materials – **Recycling Yard, Stumps, Brush**

By-products – **None**

Machinery – **Heavy equipment and Trailers Trucks**

Fuel – **Two above ground fuel tanks, fueling operations**

Lubricants – **None**

Solvents – **None**

Detergents related to municipal maintenance yard or ancillary operations – **None**

Other – **None**

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

**Fueling areas will be inspected once a month for cleanliness and spills. In addition, visual inspections will be completed when stormwater from that general area is discharging into the storm sewer system.**

**Inspection logs and tracking forms are located at the Department of Public Works office. The City follows Attachment E of the Stormwater General Permit Renewal for standard operating procedures.**

2. Vehicle Maintenance

**Monthly inspections will be held to ensure that the Standard Operating Procedures are being met.**

**Inspection logs and tracking forms are located at the Department of Public Works office. Attachment E of the Stormwater General Permit Renewal is attached that details the standard operating procedures of which the City complies with.**

3. On-Site Equipment and Vehicle Washing

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

**On-site equipment and vehicle washing is not performed at this facility.**

4. Discharge of Stormwater from Secondary Containment

**There are no secondary containment areas at this facility.**

<p>5. Salt and De-Icing Material Storage and Handling</p>
<p><b>The City of Bayonne stores its de-icing material (salt) at this facility. Currently, the City has a three (3) sided salt shed structure protecting the salt year round.</b></p> <p><b>Inspection logs and tracking forms are located at the Department of Public Works office. Attachment E of the Stormwater General Permit Renewal is attached that details the standard operating procedures of which the City complies with.</b></p>
<p>6. Aggregate Material and Construction Debris Storage</p>
<p><b>Material is temporarily stored in a dumpster, and is hauled off site approximately once a week.</b></p> <p><b>Inspection logs and tracking forms are located at the Department of Public Works office. Attachment E of the Stormwater General Permit Renewal is attached that details the standard operating procedures of which the City complies with.</b></p>
<p>7. Street Sweepings, Catch Basin Clean Out and Other Material Storage</p>
<p><b>Material is temporarily stored in a dumpster, and is hauled off site approximately once a week.</b></p> <p><b>Inspection logs and tracking forms are located at the Department of Public Works office. Attachment E of the Stormwater General Permit Renewal is attached that details the standard operating procedures of which the City complies with.</b></p>
<p>8. Yard Trimmings and Wood Waste Management Sites</p>
<p><b>Material is temporarily stored and is hauled off site approximately once a week.</b></p> <p><b>Inspection logs and tracking forms are located at the Department of Public Works office. Attachment E of the Stormwater General Permit Renewal is attached that details the standard operating procedures of which the City complies with.</b></p>
<p>9. Roadside Vegetation Management</p>
<p><b>Material is temporarily stored and is hauled off site approximately once a week.</b></p> <p><b>Inspection logs and tracking forms are located at the Department of Public Works office. Attachment E of the Stormwater General Permit Renewal is attached that details the standard operating procedures of which the City complies with.</b></p>

## 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	MUA Director
2. Stormwater Facility Maintenance	Every year	Public Works Director
3. SPPP Training & Recordkeeping	Every year	MUA Director
4. Yard Waste Collection Program	Every 2 years	Public Works Director
5. Street Sweeping	Every 2 years	Public Works Director
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	Suez
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	Public Works Director
8. Waste Disposal Education	Every 2 years	Public Works Director
9. Municipal Ordinances	Every 2 years	Zoning Officer
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	City Engineer
<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. Stormwater Program Coordinator.</p>		
<p><b>C. Stormwater Management Design Reviewer Training:</b> 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 <a href="http://www.nj.gov/dep/stormwater/training.htm">www.nj.gov/dep/stormwater/training.htm</a>. Indicate the location of the DEP certificate of completion for each reviewer. DEP certificate located at CME Associates offices</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.

Currently all outfalls discharge to the combined sewer system.

*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.

Currently all outfalls discharge to the combined sewer system and are inspected by Suez, the company that manages Bayonne's water and sewer utilities. .

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.

All outfall pipe which discharges to a waterbody is inspected by Seuz for localized stream scouring in the vicinity of the outfall pipe. Each stream scouring is prioritized, and scheduled for remediation in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. Records of all outfall pipe prioritized list and undertaken remediation are kept at Seuz offices.

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](http://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.*

Seuz, the company that manages the sewer and water utilities conducts visual dry weather inspection of all outfall pipes owned by the City. The NJDEP Illicit Connection Inspection Report Form to conduct these inspections and individual inspection forms will be prepared by the Stormwater program Coordinator. MS4 outfall pipes found to have dry weather flow (72 hours following a rainfall event) or evidence of an intermittent non-stormwater flow should be further inspected to locate the illicit connection. Non-stormwater discharges that are traced to their source and found to be illicit connections should be eliminated.

## 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.

Operation and Maintenance Manuals were prepared for all stormwater facilities owned and/or operated by the Borough and constructed after the implementation of the stormwater management regulations at N.J.A.C.7:8 that qualified as a major development. The maintenance manuals were prepared in accordance with N.J.A.C. 7:8-5.8. All future Borough projects that qualify as a major development require preparation of a Maintenance Manual, including preventative and corrective maintenance tasks to be undertaken.

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.

All private projects that qualify as a major development and approved by the Planning/Zoning Board is required to prepare a maintenance plan for the stormwater management measures incorporated into the design. Maintenance manuals are required to comply with N.J.A.C. 7:8-5.8 and City Ordinance and subject to review by the City Engineer. The Maintenance Manual is required to be recorded upon the deed of record for each property.

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.

All inspection and maintenance logs for City owned stormwater facilities are located at the office of the Stormwater Program Coordinator. The person responsible for maintenance of each private facility is responsible to maintain inspection and maintenance logs for the stormwater management measures incorporated into the development.

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.

At this time, the City has no Total Maximum Daily Load (TMDL) within its borders. The NJDEP TMDL report does not identify any stream, lake or shellfish TMDL.

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

At this time, the City has no Total Maximum Daily Load (TMDL) within its borders. The NJDEP TMDL report does not identify any stream, lake or shellfish TMDL.

## 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 City has not developed any Best Management Practice beyond the Tier A MS4 NJPDES permit.

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

Yes