

Stormwater Pollution Prevention Plan

Borough of Emerson

Bergen County

NJPDES NJ0141852

August 15, 2019

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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	Rich Sheola, Interim Borough Administrator
Office Phone # and email	201-262-5077, administrator@emersonnj.org
Signature/Date	
Individual(s) Responsible for Major Development Project Stormwater Management Review	
Print/Type Name and Title	Post-construction Stormwater Management Coordinator, Dave Atkinson, Neglia Engineering Associates, 201-939-8805
Print/Type Name and Title	Rich Sheola, Interim Borough Administrator 201-262-5077
Print/Type Name and Title	Perry Solimando, DPW Superintendent, 201-262-8199
Print/Type Name and Title	
Print/Type Name and Title	
Other SPPP Team Members	
Print/Type Name and Title	Public Notice Coordinator Jane Dietsche, Borough Clerk, 201-262-6086 ext. 1200
Print/Type Name and Title	Local Public Education Coordinator, Stephanie Clark, Chair, Emerson Environmental Commission
Print/Type Name and Title	Ordinance Coordinator, John McCann, Borough Attorney, 201-262-6086
Print/Type Name and Title	Employee Training Coordinator, Perry Solimando, DPW Superintendent, 201-262-8199

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.	September 9, 2011		All	Annual Review
2.	August 2016		All	Annual Review
3.	August 15, 2019		All	Follow up to NJDEP inspection
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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.emersonnj.org
2. Date of most current SPPP:	August 15, 2019
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	www.emersonnj.org
4. Date of most current MSWMP:	September 2006
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	www.emersonnj.org and the Borough Clerk's office
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 ("<i>Sunshine Law</i>", <i>N.J.S.A. 10:4-6 et seq.</i>), the Borough of Emerson provides public notice in a manner that complies with the requirements of that Act.</p> <p>In regard to the passage of ordinances, Emerson Borough provides public notice in a manner that complies with the requirements of <i>N.J.S.A. 40:49-1 et seq.</i></p> <p>For municipal actions (e.g., adoption of the municipal Stormwater Management Plan) subject to public notice requirements in the Municipal Land Use Law (<i>N.J.S.A. 40:55D-1 et seq.</i>), Emerson Borough complies with those requirements.</p> <p>Public Notices, General Notices, New Municipal Notices and other Municipal Actions are posted on the Borough Hall official Bulletin Board, and published in the <i>Bergen Record</i> and <i>Ridgewood News</i>.</p>	

SPPP Form 4 – Public Education and Outreach

All records must be available upon request by NJDEP.

<p>1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.</p>
<ul style="list-style-type: none">• Historically clean up days have formed the main portion of public outreach events and these have been advertised on the Borough's website, electronic bulletin board, twitter and Swift Reach. In 2019 these were done in conjunction with the Borough's schools and the information was e-blasted students.• The Borough also distributes educational materials at the annual town picnic which is advertised through the schools and Borough website• The Environmental Commission organizes these types of events and maintain records locally and in the Borough Clerk's office.• Copies of the Borough's Annual Recycling and Garbage Newsletter which contains information about pet waste disposal is mailed at the end of the previous year, posted on the website and available in the Borough Clerk's office.
<p>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.</p>
<p>Improper disposal of waste</p> <p><u>Municipal website</u></p> <p>There are links on the Environmental Commission page of the municipal website www.emersonnj.org to the www.njstormwater.org section of the NJDEP website and njclean.org. There are also links to the Hackensack and NY River Keeper's websites.</p> <p>The page on Stormwater Management will be updated to include the NJDEP Solutions to Stormwater Pollution brochure, posters from NJclean.org and a link to the NJclean.org website for further information. Additionally, the Rutgers Cooperative Extension Fact Sheets on Home Composting, Yard Trimmings Management Strategies, Using Leaf Composting and Minimizing Waste Disposal: Grass Clippings will be posted on the website. These will be posted by September 15, 2019.</p> <p>The availability of this information on the Borough website will be publicized via e-blasts, electronic bulletin board, twitter and Swift Reach over the next few months.</p> <p><u>Borough Newsletter</u></p> <p>The Borough mails out a Recycling and Garbage Newsletter to all residents in December of each year. Part of that newsletter contains the information from the NJDEP brochure on Pet Waste amended to include the rules from the relevant Borough Ordinance. This information is included on the same page</p>

as the Dog and Cat License Application and Renewal forms which gives an increased likelihood that pet owners will actually see the information.

Future events

- In the 2020 Newsletter the Borough will include the NJDEP educational brochure “Solution to Stormwater Pollution”. The Brochure will also be posted on the Borough’s website.
- The Borough has held one clean-up event in 2019 and has one more planned before the end of the Commission year.
- A “Responsible Pet Owner” campaign is in development to improve education efforts around proper waste disposal and its impact on our soil and water supply.
- The Commission will discuss taking on the creation and execution of new online (PDF) materials on storm water pollution prevention for all audiences (i.e. - spanning residents, business owners and teachers). The goal of such downloadable materials would be to help educate adults and children about the importance of keeping pollutants out of our local creeks, reservoir, rivers and oceans.

Illicit Connections

Borough Ordinances 247-23 posted on the borough website detail the definition of an illicit connection and the penalties for making such a connection.

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

These records are posted on the website or held in the Borough Clerk’s office at

**Borough of Emerson
1 Municipal Place
Emerson, NJ 07630**

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'?	<p>Major development, as defined within the Approved Stormwater Control Ordinance, is defined as any development that provides for ultimately disturbing one or more acres of land or creating more than ¼ acre of new impervious coverage. Disturbance within the Approved Stormwater Control Ordinance is defined as the placement of impervious surface, or exposure and/or movement of soil or bedrock, or clearing, cutting or removing of vegetation, or creates more than 1/4 acre of new impervious coverage. These standards are intended to minimize the adverse impact of stormwater runoff on water quality and water quantity.</p>
2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?	<p>Yes. See below</p>
3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?	<p>The Borough ensures that all new residential and redevelopment plans that are subject to the Residential Site Improvement standards for stormwater management (including NJDEP Stormwater Management rules, N.J.A.C. 7:8 referenced in those standards) are in compliance with those standards. The Borough's Land Use Board ensures such compliance before issuing preliminary or final subdivision or site plan approvals under the Municipal Land Use Law.</p> <p>Any storm drain inlets installed will also be required to comply with the standards in Attachment C of the Borough's General Stormwater Permit. Emerson will ensure such installation, operation and maintenance for any new development or redevelopment on Borough property will comply with the Stormwater control ordinance</p> <p>The Borough of Emerson has reviewed and adopted the Municipal Stormwater Management Plan which was approved by the Bergen County Planning Department. A municipal stormwater ordinance has been adopted by the Borough Council.</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.	

All applications for Major Development projects are submitted to the Land Use Board secretary and hence the Land Use Board's engineer. The engineer reviews the plans to make sure that they are in compliance with the Stormwater Control Ordinance (SCO) and Residential Site Improvement Standards (RSIS). The Land Use Board will not approve any applications that are not in compliance with the SCO and RSIS.

5. Does the Municipal Stormwater Management Plan include a mitigation plan?	YES
6. What is the physical location of approved applications for major development projects, Major Development Summary Sheets (permit att. D), and mitigation plans?	Office of the Borough Clerk Borough of Emerson 1 Municipal Place Emerson, NJ 07630

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	4-5-2005	https://www.ecode360.com/11487926		Police, Board of Health, Zoning Official
2. Wildlife Feeding permit cite IV.B5.a.ii	4-5-2005	https://www.ecode360.com/11487939		Police, Board of Health, Zoning Official, Animal Control
3. Litter Control permit cite IV.B5.a.iii	4-5-2005	https://www.ecode360.com/11487868		Police, Zoning Official
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	4-5-2005	https://www.ecode360.com/11487904		Zoning Official
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	4-5-2005	https://www.ecode360.com/11487879		Police, Zoning Official
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	3-2-2010	https://www.ecode360.com/14864426		Police, Construction Official, Property Maintenance
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	5-2-2006	https://www.ecode360.com/11487594		DPW Superintendent, Construction Official
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	4-5-2005	https://www.ecode360.com/11487889		Zoning Official
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2	7-20-2010	https://www.ecode360.com/14864452		Police, Construction Official, Property Maintenance

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

**Office of the Borough Clerk
Borough of Emerson
1 Municipal Place
Emerson, NJ 07630**

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.

Streets swept

The sweeper starts at the corner of Emerson Plaza East and Palisade Avenue on the south side and sweeps both sides of the street as far as the library. It then continues up the East side of Plaza East to Thomas St. where it turns, does both sides of Thomas Street as far as the Fire House. Then, the sweeper turns right onto Emerson Plaza East, onto Kinderkamack Road and right into Linwood Avenue where it sweeps the south side as far as Municipal place. Here it turns left, and continues to Locust where it also turns left and sweeps the north side of Locust to Kinderkamack. The sweeper turns left into Lincoln Blvd and sweeps both sides of the street as far as Kenneth Street. It then turns on to Kinderkamack and makes a right into Locust and sweeps the south side of that street as far as Municipal Place where it turns right and then right again into Linwood and sweeps the north side as far as Emerson Plaza West. At Emerson Plaza West it turns left and sweeps the west side of that street, then makes the right on to Ackerman and sweeps to Hasbrouck. The vehicle turns around and does the other side of Ackerman to Emerson Plaza West where the vehicle sweeps the east side of that street around to the traffic light.

Lozier from Kinderkamack to the dead-end both sides.

Starting at Kinderkamack the vehicle sweeps Chestnut Street to Bland Street and then turns right into Bland St where both sides of the street are swept.

Attachment 1 shows a map of these streets

Schedule

The streets described above are swept once a month. No other entities are involved.

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.

Streets Swept

All remaining streets shown in Attachment 1 are swept seven times a year. No other entities are involved.

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

NO.

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.

**Borough of Emerson
Department of Public Works
1A Emerson Plaza East
Emerson, NJ 07630**

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 DPW inspects all catch basins and storm drain inlets annually.
2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.
NONE
3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.
NOT APPLICABLE
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.
The Borough inspects all of the storm drains in January to see if the inlet labels are still affixed. If not, they are replaced as needed.
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.
These records are on file at the Emerson Department of Public Works office located at: Borough of Emerson Department of Public Works 1A Emerson Plaza East Emerson, NJ 07630

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.
	If, during the course of repaving, repairing, reconstruction or alteration projects done on borough roads, any storm drain inlets are found not to meet the current standard they are replaced as part of the project.
2.	Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.
	The Borough Engineer inspects all municipal road projects to ensure that the inlets have been properly retrofitted as required.
3.	Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.
	As part of the construction permit review process, the Borough Engineer reviews the site plans to make sure that the plans indicate the required inlet retrofits if they are required.
4.	Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.
	For any project requiring owned storm drains to be retrofitted, the Borough Engineer and Construction Code Official inspect the site to make sure the inlets are properly retrofitted prior to issuing final approval and/or Certificate of Occupancy at the end of the project.

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:

**Borough of Emerson
Department of Public Works
1A Emerson Plaza East
Emerson, NJ 07630**

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 – Salt is stored in the salt shed and calcium chloride in bags in a different shed.

Intermediate products – None

Final products – Calcium chloride solution and brine

Waste materials – Used oil, oil filters and antifreeze

By-products – None

Machinery – Two generators. Fuel pumps. Dump truck and brine truck are parked in the yard.

Fuel – One gas and two diesel tanks

Lubricants – None outside

Solvents – None outside

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

Other –

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.

All documentation is held at:

**Borough of Emerson
Department of Public Works
1A Emerson Plaza East
Emerson, NJ 07630**

1. Fueling Operations

There are absorbent towels under the tanks and spill kits.
There is a pipe within a pipe that drains into a containment device which is alarmed.
If there are any leaks the alarm is triggered and the contractor called to repair the leak.
The containment device is inspected monthly.
Two portable generators have spill cans to collect any diesel leakage.

2. Vehicle Maintenance

All vehicle maintenance is conducted indoors.

3. On-Site Equipment and Vehicle Washing

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

There is no on-site equipment or vehicle washing done on site.

4. Discharge of Stormwater from Secondary Containment

There is no secondary containment

5. Salt and De-Icing Material Storage and Handling

<p>Salt is stored in a secure contained shed with hay bales to stop seepage. These are replaced annually. Trucks are backed up to the salt shed and the salt transferred using a loader. Excess salt is swept back into the shed.</p> <p>Brine solution is stored in sealed containers with valves that are checked regularly.</p>
<p>6. Aggregate Material and Construction Debris Storage</p>
<p>There are two piles of sand and stone which are being moved to a location 50 feet from the stream adjacent to the DPW yard.</p>
<p>7. Street Sweepings, Catch Basin Clean Out and Other Material Storage</p>
<p>Street sweepings and catch basin materials are placed in a container which is taken to Organic Waste, NY when full.</p>
<p>8. Yard Trimmings and Wood Waste Management Sites</p>
<p>Yard trimmings and wood waste which are generated through work on borough parks and roads are placed in a container which is taken to Organic Waste, NY when full.</p>
<p>9. Roadside Vegetation Management</p>
<p>Roadside vegetation generated through work on borough roads is placed in a container which is taken to Organic Waste, NY when full.</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	DPW Superintendent
2. Stormwater Facility Maintenance	Every year	DPW Superintendent
3. SPPP Training & Recordkeeping	Every year	DPW Superintendent
4. Yard Waste Collection Program	Every 2 years	DPW Superintendent
5. Street Sweeping	Every 2 years	DPW Superintendent
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	DPW Superintendent/Borough Engineer
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	DPW Superintendent/Borough Engineer
8. Waste Disposal Education	Every 2 years	Borough Administrator
9. Municipal Ordinances	Every 2 years	Borough Administrator
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Borough Engineer
<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>Seven of ten members of the Municipal Land Use Board (LUB), including Alternates and five of seven members of the Mayor and Council have taken the required training. The remainder of the LUB and the Mayor and Council are currently taking the training and this should be complete by September 15, 2019.</p> <p>The records are currently being updated and will be kept in the Borough Clerk's office:</p> <p style="text-align: center;">Office of the Borough Clerk Borough of Emerson 1 Municipal Place Emerson, NJ 07630</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.

The DEP certificate is held in the paper copy of the SPPP at the address below.

**Borough of Emerson
Department of Public Works
1A Emerson Plaza East
Emerson, NJ 07630**

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.

The link connects to the GIS outfall pipe map.

<http://boswelleng.maps.arcgis.com/apps/webappviewer/index.html?id=e47ac6127752474f802184d4f0673f4a>

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

The outfall pipes are inspected annually and the records are kept at

**Department of Public Works
Borough of Emerson
1A Emerson Plaza East
Emerson, NJ 07630**

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.

The localized stream scouring from stormwater outfall pipes are inspected annually and any remediation done on inspection. The records are kept at

**Department of Public Works
Borough of Emerson
1A Emerson Plaza East
Emerson, NJ 07630**

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.

Inspections of the outfall piping are conducted during dry weather periods. If excessive or unusual flows are witnessed during inspection, further investigation occurs to identify the source.

The Illicit Connection Inspection Report Form for the Borough of Emerson for 2018 shown in Attachments 2.

SPPP Form 13 – Stormwater Facilities Maintenance All records must be available upon request by NJDEP.

<p>1. Detail the program in place for the long-term cleaning, operation and maintenance of each stormwater facility owned or operated by the municipality.</p>
<p>There are 5 Stormwater facilities in the Borough of Emerson</p> <p><u>Separators</u> One at Emerson Woods, Main St & Ridge Road Two on Groesbeck Court</p> <p>These are cleaned twice a year.</p> <p><u>Detention basins</u> There are two, one on Forest Avenue and one on Congress Road.</p> <p>These are checked and cleared after every heavy rainfall</p>
<p>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.</p>
<p>NONE</p>
<p>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.</p>
<p style="text-align: center;">Department of Public Works Borough of Emerson 1A Emerson Plaza East Emerson, NJ 07630</p>
<p>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).</p> <p><i>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/.</i></p>

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.

The Stormwater Coordinator and/or Borough Engineer shall annually review approved or adopted Total Maximum Daily Load (TDML) reports to identify stormwater related pollutants listed therein and associated with any segment of surface water wholly or partially within or bordering the Borough of Emerson. This information is available at the following link: www.nj.gov/dep/dwq/msrp-tmdl-rh.htm

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

Using the information identified in the Total Maximum Daily Load (TDML) reports, the Borough Engineer shall develop a prioritization of stormwater facility maintenance including schedules for repairs for facilities causing Stream Scouring and other facilities requiring Stormwater Facilities Maintenance. Strategies may include, but are not limited to, those found in the implementation section of approved or adopted TMDL reports (for examples see: "Total Maximum Daily Load (TMDL) Guidance for Tier A MS4 Permittees" found at www.nj.gov/dep/dwq/msrp-tmdl-rh.htm).

SPPP Form 15 – Optional Measures

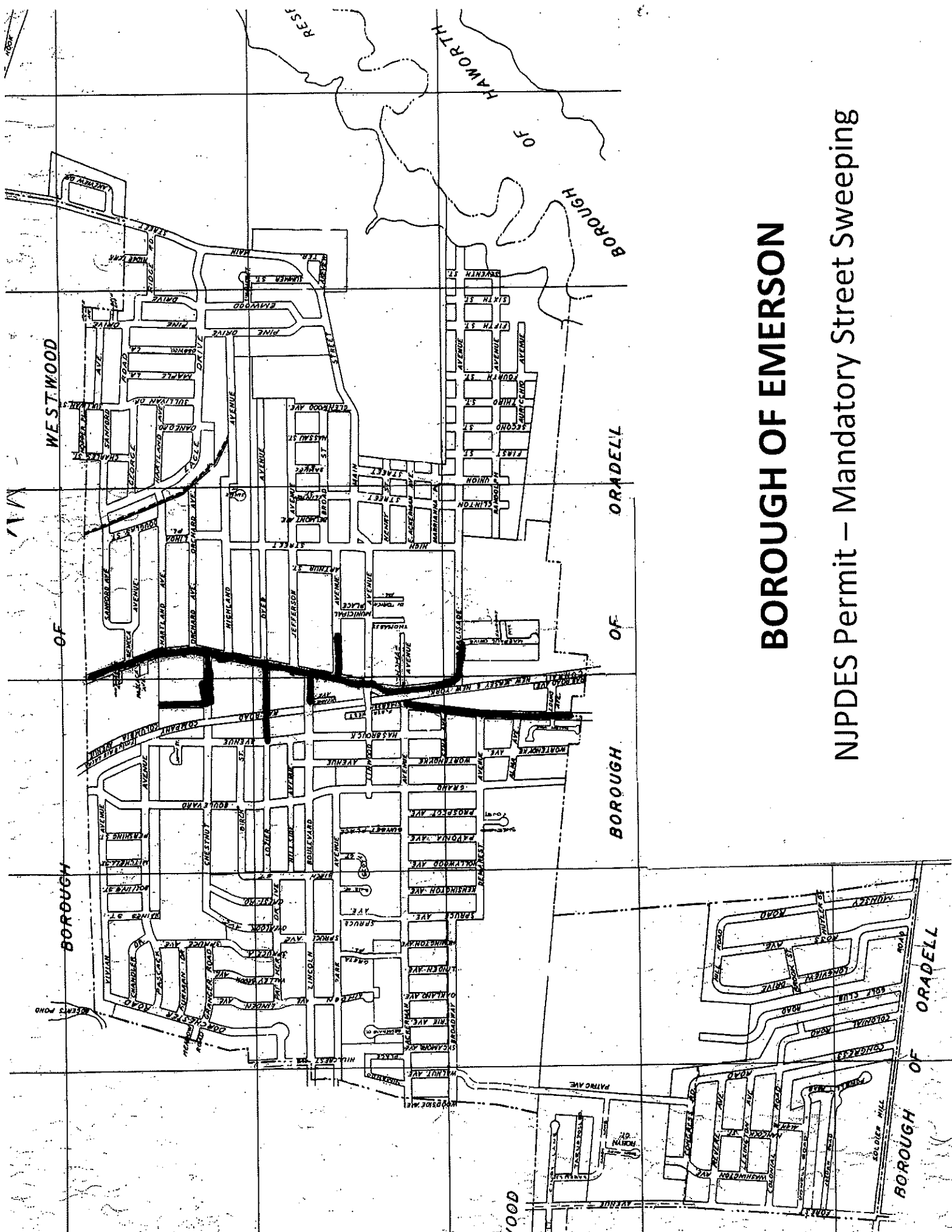
All records must be available upon request by NJDEP.

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.

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

YES

ATTACHMENT 1



BOROUGH OF EMERSON

NJPDES Permit – Mandatory Street Sweeping

ATTACHMENT 2

**Borough of Emerson
Tier A Stormwater Permit
NJG0150061**

Outfall Inspection Checklist

Outfall No.	Location	Reservoir	Date of Inspection		Dry weather flow		Sediment Present		Sediment Notes	
			6/4/18	6/4/18	YES	NO	YES	NO	YES	NO
A-1	98 Dorchester Road	ORADELL RESERVOIR	<input checked="" type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		Rear Yard	
A-2	Chestnut Ave.	"	<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		Dead End of Chestnut Ave. off Hasbrouck	
A-3	Lozier Ave.	"	<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		Dead End of Lozier Ave. off Hasbrouck	
B-1	Daned Road	"	<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
B-2	133 Eagle Drive	"	<input type="checkbox"/> Intermittent	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		Dead End of Daned Road	
B-3	Eagle Drive 1629	"	<input type="checkbox"/> Intermittent	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		Rear Yard <i>Cleared logs away</i>	
B-4	Main Street	"	<input type="checkbox"/> Intermittent	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		Rear Yard	
C-1	Washington Ave.	"	<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
D-1	Palisade Ave. & Emerson Plaza East	"	<input type="checkbox"/> Intermittent	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		At intersection of Palisade Ave. and Emerson Plaza East	

*Submit all forms and Outfall Inspection Checklist to be included in municipality's SPPP.
 **Complete appropriate follow-up investigations for outfalls found to have intermittent flow.

**Borough of Emerson
Tier A Stormwater Permit
NJG0150061**

Outfall Inspection Checklist

Outfall No.	Location	Receiving Waterbody	Hire Connection Inspection Report Form		Dry-weather Flow**		Scouring Present		Comments/Notes
			Date of Inspection	Intermittent	Intermittent	Intermittent	Intermittent	YES	
D-2	55 Palisade Ave.	ORADELL RESERVOIR	6/4/18	<input type="checkbox"/> Intermittent	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Off of Parking Lot
D-3	Main Street		↓	<input type="checkbox"/> Intermittent	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Across from 70 Main St.
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

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