Stormwater Pollution Prevention Plan

Neptune City Borough Monmouth County NJG0153567

Annual Review Date: June 30, 2023

Stormwater Program Coordinator: Gerrit DeVos

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Form 1 – Team Members

Stormwater Program Coordinator (SPC)				
Name and Title	nd Title Gerrit DeVos			
	Director of Public Works			
Phone (732) 775-1607	7	Email		
Individ	lual(s) Responsi	ble for N	Iajor Dev	velopment Project
	Stormwate	er Manaş	gement R	eview
Name and Title	Matt Shafai, P.	<i>E</i> .		
_	Borough Engin	ieer		
Phone (732) 922-9229)	Email	mattshaf	fai@aol.com
Name and Title				
		1		
		Email		
	Other Municipa	I Stormw	ater Tea	m Members
Name and Title	Daniel Harker	CD 1	1. 117 1	
D1 (722) 775 1(0)	Deputy Directo			
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Name and Title Robert Reynolds, Sr.				
Dhana (722) 776 722	Code Enforcement Officer			
Phone (/32) //0-/224	Phone (732) 776-7224 x42 Email			
Name and Title				
Phone		Email		
Shared/Contracted Service Providers				
		Provide	Provided Term of Service	
Shark River Public Educati		on and O	utreach	Renewed Annually
Cleanup Coalition				

Form 2 – Revision History

Revision Date	Form # Changed	Reason for Revision (Updates to staff, policy, webpage, etc.)
Date	Changed	(Opuates to starr, poricy, weopage, etc.)

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

1.	Provide the link to the dedicated stormwater webpage for your municipality.
	https://www.neptunecitynj.com/public-works
2.	List the name and title of person(s) responsible for stormwater webpage postings/updates.
	Nyasha Johnson, Deputy Registrar
3.	List the newspapers, social media outlets, websites, direct mailings (Email or postal), and other communication approaches typically used to inform/educate the public on stormwater program information and related events/activities.
	Public education and outreach events are advertised on the Borough website at https://www.neptunecitynj.com/ and with fliers and public announcements at Borough Council meetings. Additional educational materials are available to the public at Borough Hall located at 106 West Sylvania Avenue.

Form 4 – Post-Construction Stormwater Management in New Development and Redevelopment

Part IV.E.

1. How does the municipality define "major development"? If it is different from the definition in N.J.A.C. 7:8, explain the difference.

As per Neptune City Borough Stormwater Control Ordinance #2020-11, "Major development" means an individual "development," as well as multiple developments that individually or collectively result in:

- 1. The disturbance of one or more acres of land since February 2, 2004;
- 2. The creation of one-quarter acre or more of "regulated impervious surface" since February 2, 2004;
- 3. The creation of one-quarter acre or more of "regulated motor vehicle surface" since March 2, 2021; or
- 4. A combination of 2 and 3 above that totals an area of one-quarter acre or more. The same surface shall not be counted twice when determining if the combination area equals one-quarter acre or more.

Major development includes all developments that are part of a common plan of development or sale (for example, phased residential development) that collectively or individually meet any one or more of paragraphs 1, 2, 3, or 4 above. Projects undertaken by any government agency that otherwise meet the definition of "major development" but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered "major development".

2. Is the municipality's stormwater control ordinance (SCO) the same as or more stringent than NJDEP's model SCO? If more stringent, explain the difference.

Neptune City Borough stormwater control ordinance #2020-11 is as exacting as the NJDEP model stormwater control ordinance.

3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).

The Neptune City Borough Land Use Board Engineer reviews all major development projects for compliance with the Stormwater Management Rules (N.J.A.C. 7:8), and the Neptune City Borough Stormwater Control Ordinance and/or the Residential Site Improvement Standards for stormwater management, as applicable. If the project is compliant, a recommendation for Approval is made to the Land Use Board.

4. Does your municipality have a mitigation plan included in your Municipal Stormwater Management Plan and Stormwater Control Ordinance? Indicate the location of records of all variances granted.

Yes, the Neptune City Borough Municipal Stormwater Management Plan includes a Mitigation Plan and the Neptune City Borough Stormwater Control Ordinance addresses conditions that must be meet to grant a waiver or variance from N.J.A.C. 7:8-5.3. No variances have been granted to date.

5. Indicate the dates of each iteration of the township's Stormwater Control Ordinance, starting with the initial adoption and including revisions.

Stormwater Control Ordinance #06-02 - Adopted: 3/27/2006 Stormwater Control Ordinance #2020-11 - Adopted: 11/23/2020

6. Indicate the dates of each iteration of the township's Municipal Stormwater Management Plan, starting with the initial adoption and including revisions.

Neptune City Borough Municipal Stormwater Management Plan

Initial Adoption: April 1, 2005 Revised: November 13, 2008.

Form 5 – Ordinances

Part IV.F.1.

Ordi	inance	Date Adopted	Was the DEP model adopted without change? If not, explain how the municipality's is more stringent.	Entity Responsible for Enforcement	Fees & Fines
1. Pe	et Waste	3/27/2006	Adopted without change	Police Dept., Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
	ildlife eeding	3/27/2006	Adopted without change	Police Dept., Public Works Director, Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
3. Li	tter Control	3/27/2006	Adopted without change	Police Dept., Public Works Director, Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
Di	nproper isposal of aste	3/27/2006	Adopted without change	Police Dept., Public Works Director, Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
5. Ya	ard Waste	3/27/2006	Adopted without change	Police Dept., Public Works Director, Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
Dr	rivate Storm rain Inlet etrofitting	11/22/2010	Adopted without change	Police Dept., Public Works Director, Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
	icit onnections	3/27/2006	Adopted without change	Police Dept., Public Works Director, Code Enforcement Officer, and/or Board of Health	<i>Up to</i> \$2,000
Ov	rivately- wned Salt orage		Pending adoption		\$
	ree emoval- eplacement		Pending adoption		\$

List any additional stormwater-related ordinances the municipality has adopted that address issues beyond the scope of the MS4 permit. Include adoption date, entity responsible for enforcement, and related fees and fines.

Refuse Container/Dumpster Ordinance - Initial adoption: 11/22/2010

Enforcement Entity: Police Department, Public Works Director, Board of Health, and/or Code

Enforcement Officer

Fees and fines: Up to \$2,000

Indicate the location of records associated with ordinances and related violations and enforcement actions below.

Records associated with ordinances are on file in the Municipal Clerk's office and records related to enforcement actions are on file in the Code Enforcement office.

Form 6 – Street Sweeping

Part IV.F.2.a.i. and ii.

- 1. Provide a written description and/or attach a map outlining the sweeping schedule for the following:
 - Segments of municipal roads with storm drain inlets that discharge to surface water (required at least 3 times each year)
 - Segments of municipal roads that do <u>not</u> have storm drain inlets but <u>do</u> discharge to surface water (required at least 1 times each year)

Note: Only asphalt and concrete roads need to be swept. Roads that do not have storm drain inlets and do not discharge to surface water do not need to be swept.

At this time all Borough streets that are required to be swept by the 2018 NJPDES permit are swept twice a month from April through October. All Borough streets that are not required to be swept by the 2018 NJPDES permit are also swept twice a month from April through October.

The new triannual sweeping schedule will be implemented on or before January 1, 2026 for all municipally owned or operated streets with storm drain inlets that discharge to surface waters. Annual street sweeping will also be implemented on or before January 1, 2026 for all municipally owned or operated streets that do not have storm drain inlets that discharge to surface water.

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

No street sweeping work is outsourced in Neptune City Borough.

Form 7 – MS4 Infrastructure

Part IV.F.2-4. and Part IV.G.2-3.

1. Municipal Storm Drain Inlets

- a. Describe how you ensure that municipal inlets without permanent wording cast into the design have been properly labelled.
- b. Describe how you ensure that municipal and private storm drain inlets have been retrofitted.
- c. Describe how you ensure that newly installed storm drain inlets include corresponding catch basins or other BMPs to collect solids.
- d. Describe when and how you conduct inspections of storm drain inlets and the criteria used to determine when they need to be cleaned.
 - a. The Neptune City Borough DPW periodically conduct drive-by inspections of the municipal storm drain inlets. At the same time, the condition of labelling on storm drain inlets without permanent wording cast into the design is evaluated. Non-permanent storm drain inlet labels found to be missing or damaged are scheduled for repair or replacement.
 - b. As part of the Annual Road Resurfacing Program, municipally owned or operated storm drain inlets are retrofitted or replaced, if needed, when the road is resurfaced to meet the solids and floatable materials control standards in the Neptune City Borough stormwater control ordinance.

 Neptune City Borough Ordinance #2010-13 requires that storm drain inlets on private property be retrofitted or replaced to meet the design standard as specified in the ordinance when the roadway is repaved, repaired, resurfaced, reconstructed or altered.
 - c. As part of the review process, the Borough Engineer checks the plans submitted for road projects and major development projects to confirm that new storm drain inlets comply with the applicable design standards.
 - d. The Neptune City Borough DPW periodically conduct drive-by inspections of the storm drain inlets. If debris is present the grate and surrounding area is cleaned at that time or scheduled for cleaning within one week.

2. Municipal Catch Basins

- a. Describe when and how you conduct inspections of catch basins.
- b. Describe the criteria used to determine when catch basins need to be cleaned.
 - a. All catch basins are visually inspected annually.
 - b. Catch basins with that are approximately 50% filled with debris are scheduled for cleaning.

3. Municipal Conveyance System

Describe when and how inspections of MS4 conveyance systems are conducted, and the criteria used to determine when they need to be cleaned. Include a description of the equipment and techniques used.

Neptune City Borough DPW staff conduct periodic inspections of the MS4 conveyance system throughout the year. These inspections are often conducted in conjunction with stream scouring and illicit connection inspections. Observed or reported localized street flooding may also trigger an inspection of the conveyance system. If an obstruction is found the line may be televised and water-jetted to relieve the blockage.

4. Municipal Outfall Inspections – Stream Scouring

Describe the program in place to detect, investigate, and control localized stream scouring from stormwater outfalls. Include a description of the equipment and techniques used.

There are 27 municipally owned or operated stormwater outfalls in Neptune City Borough. Each year at least 20% of the outfalls are inspected for stream scouring. Outfalls with scouring are prioritized for repair or restoration within the constraints of the existing budget and certified annually.

5. Municipal Outfall Inspections – Illicit Discharge Detection and Elimination Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfalls. Include a description of the equipment and techniques used. Record cases of illicit discharges using the DEP's Illicit Connection Inspection Report Form from the Department's main stormwater webpage.

There are 27 municipally owned or operated stormwater outfalls in Neptune City Borough. Each year at least 20% of the outfalls are visually inspected for evidence of a dry weather flow. If a dry weather flow is confirmed additional physical information is collected and an investigation is conducted. An Illicit Connection Inspection Report Form is completed to assist with the determination of the source of the dry weather flow.

6. Other Municipal Infrastructure

List the types of MS4 infrastructure in your town that require inspection but are not noted above in items 1-5. Describe when and how you conduct inspections of this infrastructure and the criteria used to determine when they need to be maintained and/or cleaned.

The Borough of Neptune City maintains a list of stormwater facilities owned or operated by the Borough. The facilities are inspected to ensure proper function and operation and certified annually. Facilities found not to be functioning properly are scheduled for the necessary preventative and corrective maintenance and/or repairs.

7. Stormwater Facilities Not Owned or Operated by the Municipality

Describe your program for ensuring adequate long-term cleaning, operation, and maintenance of stormwater facilities not owned or operated by the municipality. This should include your plan for ensuring annual inspections are being done on these private properties and describe how you record the locations and logs associated with private infrastructure.

The Borough Engineer maintains a list of stormwater facilities not owned or operated by Neptune City Borough. These facilities are inspected and deficiencies brought to the attention of the owner/operator. Follow-up inspections are conducted to insure compliance.

8. Infrastructure Records

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

Records associated with the inspection, cleaning, maintenance, and repair of stormwater infrastructure are kept on file in the Public Works office.

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

1. Herbicide Application Management

Describe your program for preventing herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation.

Not applicable. The Neptune City DPW does not spray along roadsides for weed control.

2. Excess Deicing Material Management

Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.

If present, excess salt piles that remain on roadways or in parking areas are removed by the Neptune City Borough DPW within 3 days after the storm event is over.

3. Roadside Vegetative Waste

Describe your program for ensuring proper pickup, handling, storage, and disposal of wood waste and yard trimmings generated by the permittee along municipal roads or on municipal properties (trimming trees, mowing, etc.).

Wood waste and yard trimmings generated by the permittee along municipal roads and on municipal property are disposed of in the dumpster at the Public Works Yard.

4. Roadside Erosion Control

Describe your program to detect and repair erosion along municipal roadways.

Neptune City Borough DPW staff look for signs of roadside erosion during the course of normal DPW activities. If roadside erosion is noted corrective measures are taken as soon as possible. Depending on the nature and severity of the erosion vegetative plantings, riprap, or other measures may be implemented to promote soil stabilization.

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

Please complete a separate Form 9 for each yard or site. Indicate the number of yards/sites the municipality owns or operates: __1_

1.	Site Name and Address	
	The Neptune City Borough Public Works Ya	rd is located at 41 Flexcraft Drive.
2.	Monthly Site Inspections Describe the nature of inspections conducted	l at this site and the location of inspection logs.
	DPW staff conduct monthly inspections of the that may contribute stormwater contaminant Findings are documented in an inspection log	
3.	Inventory List List all materials and machinery that are potentials	entially exposed to stormwater.
Mater		Machinery/Equipment
		DPW equipment
		Employee vehicles
		2 – 40 cubic yard dumpsters
		1 – 500 gallon double walled, above ground diesel dispensing tank
		1 - 100 gallon double walled, above ground waste oil tank
4.	Discharge of Stormwater from Secondary Describe the process in place for discharging from secondary containment areas where our containers are stored. Not applicable.	g stormwater

5. Fueling Operations

Does fueling occur on site? If so, describe the BMPs in place to minimize contamination of stormwater from fueling activities. If not, explain where fueling takes place.

The fueling station for Borough vehicles is located at the Public Works Yard. A spill kit is kept on site in the event of a fuel spill.

6. Vehicle/Equipment Maintenance and Repair

Do you perform maintenance and repair on site? Is this conducted indoors or outdoors? If outdoors, describe the BMPs in place to minimize contamination of stormwater from maintenance and repair activities.

Vehicle/equipment maintenance and repair is conducted indoors at the Public Works Yard.

7. Wash Wastewater Containment

Do you wash vehicles on site? If so, describe the BMPs in place to minimize contamination of stormwater from these activities. Note that on site containment structures require annual inspections by a NJ licensed professional engineer. If not, explain where vehicle washing takes place.

Vehicles are washed inside the Municipal Garage. Floor drains convey waste water into an oil/water separator which is connected to the sanitary system.

8. Salt and Other Granular De-icing Materials

Do you store salt and other granular deicing materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

The Borough maintains a storage shed for sand and salt. The storage area is inspected daily when salt and de-icing materials are present.

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

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

No aggregate materials, wood chips, or finished leaf compost are stored at the Public Works Yard.

10. Cold Patch Asphalt

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

Not applicable. No cold patch asphalt is stored at the Public Works Yard.

11. Street Sweepings and Storm Sewer Cleanout Materials

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

Street sweepings are stored temporarily under cover at the Public Works Yard. No catch basin clean out materials are stored at the Public Works Yard.

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

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

No yard trimmings are stored at the Public Works Yard. Demolition and wood waste are stored in dumpsters that are emptied monthly.

13. Scrap Tires

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

Scrap tires are stored temporarily, under cover, at the Public Works Yard

14. Inoperable Vehicles and Equipment

Do you store inoperable vehicles or equipment on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater. If not, explain where they are stored.

Inoperable vehicles and equipment are stored temporarily at the Public Works Yard.

Form 10 – Training

Part IV.F.6-10.

Stormwater Program Coordinators

Describe the training provided for the municipal Stormwater Program Coordinator.

The Stormwater Program Coordinator (SPC) will receive the required NJDEP training for SPC responsibilities by January 1, 2026 and once per permit cycle thereafter.

Topic	Municipal Employees
	Examples: in-person or virtual group sessions, e-Learning, field trainings, and videos
	Describe the training provided for municipal staff.
SPPP	Annual training will be provided to appropriate municipal staff on the current SPPP and applicable recordkeeping requirements through inperson and/or virtual training sessions.
Construction Site Stormwater Runoff	The Construction Official will receive the proper NJDEP training to determine if a general or individual Construction Site Stormwater Runoff permit is required at a construction site. The training will be provided through in-person and/or virtual training sessions.
Post-Construction Stormwater Management in New and Redevelopment	Not applicable. The Borough Engineer's office reviews and inspects all new development and redevelopment projects in Neptune City Borough.
Community-wide Ordinances	Annual training is provided to appropriate municipal staff on the stormwater related ordinances. The training includes a review of the requirements, enforcement, and the repercussions of non-compliance and will be through in-person and/or virtual training sessions.
Community-wide Measures	Annual training is provided to municipal staff that implement community-wide pollution prevention measures and good housekeeping measures to control solid and floatable materials. The training will be through inperson and/or virtual training sessions.

Stormwater Facilities Maintenance	Annual training is provided to municipal staff involved with the inspection, maintenance, and repair of Borough owned or operated stormwater infrastructure. The training will be through in-person and/or virtual training sessions.
Municipal Maintenance Yards and Other Ancillary Operations	Annual training will be provided to appropriate municipal staff on implementing BMPs, good housekeeping measures, and conducting and documenting site inspections at the Municipal Maintenance Yard. The training will be through in-person and/or virtual training sessions.
MS4 Mapping	Not applicable. Staff from the Borough Engineer's office will collect stormwater infrastructure GPS points and associated attributes that will be used to create the Neptune City Borough Stormwater Infrastructure Map.
Outfall Stream Scouring	Annual training is provided to municipal staff that inspect stormwater outfalls for stream scouring. The training will cover identification, remediation, and documentation of stream scouring through in-person and/or virtual training sessions.
Illicit Discharge Detection and Elimination	Annual training is provided to municipal staff that inspect stormwater outfalls for illicit discharges. The training will cover identification, elimination, and documentation of illicit discharges through in-person and/or virtual training sessions.

Stormwater Management Design Reviewers

Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.

All individuals that review and approve stormwater management designs for major development projects in Neptune City Borough must complete the NJDEP Stormwater Management Design Review training course at a minimum of once every 5 years.

Municipal Board and Governing Body Members

Describe the training provided for members of the planning/zoning board and municipal council.

Within 6 months of taking office members of the Neptune City Borough Land Use Board and members of the Borough Council will complete the "Asking the Right Questions in Stormwater Review" online training tool provided by NJDEP at https://dep.nj.gov/stormwater/stormwater-training/.

Once per term of service thereafter, members of the Neptune City Borough Land Use Board and members of the Borough Council will review at least one of the training tools offered under Post-Construction Stormwater Management found at https://dep.nj.gov/stormwater/stormwater-training/.

Training Records

Indicate the location of training records for the above required training.

Training records for the Neptune City Borough Council and the Neptune City Borough Land Use Board are kept on file in the Borough Clerk's office.

Form 11 – MS4 Mapping Part IV.G.1.

1. Provide a link to the most current MS4 outfall/infrastructure map.

The Neptune City Borough Stormwater Outfall map is posted on the municipal webpage at:

https://www.neptunecitynj.com/sites/g/files/vyhlif5316/f/pages/neptune_city_stormwater_outfall_map.pdf

2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).		
a. MS4 outfalls	27	
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	TBD	
c. MS4 interconnections	TBD	
d. MS4 storm drain inlets		
e. MS4 manholes	TBD	
f. Length of conveyance (channels, pipes, ditches, etc.)	TBD	
g. MS4 pump stations	TBD	
h. MS4 stormwater facilities (any that are not listed above)	TBD	
i. Maintenance yard(s) and other ancillary operations	1	

3. Describe how the municipality's outfall/infrastructure map is reviewed and updated to reflect any new or newly identified MS4 infrastructure (e.g., an outfall is closed, a new basin is constructed, ownership of an outfall has changed, etc.).

Before the end of each year, the Borough Engineer's office reviews the current Stormwate Outfall Map for accuracy. Map revisions are made if there are new or newly identified outfalls or any other significant changes.

4. Describe how the municipality will create and update its MS4 Infrastructure Map.

Staff from the Borough Engineer's office will collect GPS points and associated attributes for all Borough owned or operated MS4 infrastructure. The data collected will be used to create a Stormwater Infrastructure Map for Neptune City Borough.

The final Stormwater Infrastructure Map will be submitted electronically to NJDEP as a georeferenced shapefile on or before January 1, 2026. The approved Stormwater Infrastructure Map will be posted on the Borough's stormwater webpage and included as a weblink within the SPPP. The MS4 Infrastructure Map will be reviewed and updated annually or more frequently if necessary.

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

1.	Describe how your municipality is developing its Watershed Improvement Plan.
	Staff from the Borough Engineer's office are in the process of collecting the requisite data for the Watershed Inventory Report. The Watershed Inventory Report is Phase 1 of the Watershed Improvement Plan and will be submitted to NJDEP on or before January 1, 2026.
2.	Describe any regional projects or collaboration efforts with other municipalities.
	None at this time.
3.	Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.
	All records related to Watershed Improvement Plan public information sessions and meetings will be kept on file in the Borough Clerk's office.