

Stormwater Pollution Prevention Plan

MUNICIPALITY: Barnegat Township

COUNTY: Ocean

Permit number NJG 0141852

Program Coordinator: Roger B. Budd, Jr.

UPDATED: 12-12-23

Table of Contents

Form 1 – Team Members	3
Form 2 – Revision History.....	4
Form 3 – Public Announcements.....	5
Form 4 – Post-Construction Stormwater Management in New Development and Redevelopment....	6
Form 5 – Ordinances	8
Form 6 – Street Sweeping.....	9
Form 7 – MS4 Infrastructure.....	10
Form 8 – Community-wide Measures	14
Form 9 – Municipal Maintenance Yards & Other Ancillary Operations.....	15
Form 10 – Training.....	19
Form 11 – MS4 Mapping.....	22
Form 12 – Watershed Improvement Plan	23

Form 1 – Team Members

Stormwater Program Coordinator (SPC)			
Name and Title		Roger B. Budd, Jr. - Director of Municipal Operations	
Phone	609-548-2168	Email	rbudd@barnegat.net
Individual(s) Responsible for Major Development Project Stormwater Management Review			
Name and Title		Kurt Otto, PE, CME, CFM Township Engineer	
Phone	609-991-1383	Email	kotto@barnegat.net
Name and Title		Jason Worth, PE, PP, CME, Zoning and Planning Bd. Engineer	
Phone	732-908-4763	Email	jworth@tandmassociates.com
Other Municipal Stormwater Team Members			
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
Shared/Contracted Service Providers			
Provider Name	Service Provided	Term of Service	

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

1. Provide the link to the dedicated stormwater webpage for your municipality.
www.barnegat.net
2. List the name and title of person(s) responsible for stormwater webpage postings/updates.
Andrea Christensen - Deputy Clerk & Janet Jimroglou - Administrative Assistant-Utilities
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.
Barnegat Leader (Newspaper) www.barnegat.net www.barnegatwatersewer.com Pirates Day (Township Event held every September) Rain Barrel Workshop (held 2x per year)

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.
Same as N.J.A.C. 7:8
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.
Same
3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).
Applications to the Planning or Zoning Board are reviewed by the Board Engineer and the technical reports are generated. Projects are reviewed for compliance with Township Stormwater Control Ordinance, RSIS, NJDEP BMP Manual, and other applicable stormwater regulations. Projects by governmental agencies that do not require submission to the Planning Board are reviewed as well, and comments provided at the Board courtesy review meetings.

<p>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.</p>
<p>Yes, municipality has mitigation plan in MSWMP, no variances ever granted.</p>
<p>5. Indicate the dates of each iteration of the township's Stormwater Control Ordinance, starting with the initial adoption and including revisions.</p>
<p>Chapter 55-329 Stormwater Management Plan for Non-Pinelands Property, was first adopted 4-3-06, with revisions adopted 3-21-21.</p> <p>Chapter 55-330 Stormwater Management plan for Pineland Property, was first adopted 4-3-01 amended 11-5-07 and 3-7-23.</p>
<p>6. Indicate the dates of each iteration of the township's Municipal Stormwater Management Plan, starting with the initial adoption and including revisions.</p>
<p>MSWMP initial adoption March 2005, revised March 2008, revised 2021</p>

Form 5 – Ordinances
Part IV.F.1.

Ordinance	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. Pet Waste	4-18-2005	YES	Code Enforcer	\$100
2. Wildlife Feeding	4-18-2005	YES	Code Enforcer	\$150
3. Litter Control	4-18-2005	YES	Code Enforcer	\$150
4. Improper Disposal of Waste	4-18-2005	YES	Code Enforcer	
5. Yard Waste	4-18-2005	YES	Code Enforcer	\$150
6. Private Storm Drain Inlet Retrofitting	6-21-2010	YES	W/S UTILITY CODE ENFORCER	\$500
7. Illicit Connections	4-18-2005	YES	Code Enforcer	\$150
8. Privately-Owned Salt Storage	9-5-2023	YES	Code Enforcer	\$150
9. Tree Removal- Replacement			Code Enforcer	
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.				
Indicate the location of records associated with ordinances and related violations and enforcement actions below.				
Barnegat Township - 900 West Bay Ave., Barnegat, NJ 08005				

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 not have storm drain inlets but do discharge to surface water (required at least 1 time 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.

Because Barnegat Township's commercial areas are located on non-municipal-owned roads, the street sweeping schedule requirement does not apply. Township has one operating sweeper and sweeps all roads once a year. Township sweeps east of Route 9, Georgetown Rd., and Timbers Development 3 times a year as required because these discharge into the estuaries and bay.

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

Street Sweeping work is not outsourced.

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. Add supplemental exterior labels to inlets without permanent working, re-inspect annually.
- B. Any inlets in proximity of paving operations, public or private, are retrofitted in accordance with latest Tier A permit regulations. Township adopted a Commercial Site Maintenance Permit ordinance, authorizing application for private site maintenance and to meet stormwater regulations regarding confirming storm drain inlets.
- C. Where required, newly installed storm drain inlets are inspected to ensure compliance with BMP.
- D. Municipal storm drain inlets are inspected annually and inspection reports provided to stormwater coordinator and Township Engineer. Work orders generated for cleaning upon inspection or complaint receipt reveals debris hinders operation.

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. Inspect catch basins annually as well as during leaf pick up season. Visual inspection of surface grate and inspect basin structure for any debris blocking flow.
- B. Buildup of debris or back up of stormwater flow triggers inlet cleaning work order.

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.

MS4 conveyance systems inspected annually upstream of outfalls, others are inspected during normal daily operations. Inspection reports presented to the township stormwater coordinator and the township engineer for review and potential work order for cleaning. Township Jet-vac utilized as well as in-house camera of line.

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.

Municipal outfalls inspected annually and upon any complaint received. Follow up inspection by the township stormwater coordinator and township engineer and work orders generated for repairs. Typical equipment includes grader, back hoe, manual raking and stabilization.

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.

Dry weather inspections of outfalls begin at next upstream structure and illicit connections are located.

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.

N/A

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.

Adequate long-term cleaning, operation and maintenance of stormwater facilities not owned or operated by municipality are ensured through frequent inspections, inspection report and photographic logs, site visits by stormwater coordinator and township engineer and communication with facility owner regarded needed maintenance. For those facilities that required quarterly and/or annual inspection reports, township notifies owners of their requirements.

8. Infrastructure Records

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

Township stormwater coordinator maintains records of township work on township facilities, which includes GIS records and mapping.

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.
Township enforces Chapter 44B Fertilizer Application to control outdoor application of fertilizer
2. Excess Deicing Material Management Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.
After storm events that require deicing, a foremen will drive township roads after the event and note excess piles of road deicing material. Excess material will be swept by street sweeper or manually removed.
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.).
Township enforces yard waste ordinance, through code enforcement inspections.
4. Roadside Erosion Control Describe your program to detect and repair erosion along municipal roadways.
Through daily inspections along municipal roadways. Township detects and repairs roadside erosion.

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: 4

1. Site Name and Address	
Barnegat Township Public Works 5 Lippencott Ave. Barnegat, NJ 08005	
2. Monthly Site Inspections	
Describe the nature of inspections conducted at this site and the location of inspection logs.	
DPW inspects daily, maintains yard and recycling areas. Stormwater coordinator inspects monthly when fuel tank inspections take place, the following is observed: Raw Material: Stone/gravel Machinery: Parked vehicles, dump truck, heavy equipment Waste Material: Brush/Leaves Intermediate Products Misc.: Building material, piping, etc. Patch by-products Fuel Lubricants Solvents-detergents (related to municipal maintenance yard or ancillary operations) Waste oil tank Fueling Operations Vehicle maintenance Discharge of stormwater from secondary containment Salt & de-icing material	
3. Inventory List	
List all materials and machinery that are potentially exposed to stormwater.	
Materials	Machinery/Equipment
STONE/GRAVEL – Kept in bins	PARKED VEHICLES, DRUMP TRUCKS,
SALT/DE-ICING MATERIAL (STORED IN-DOORS)	HEAVY EQUIPMENT
MILLING, STORMWATER PIPING/MATERIALS	
GET INFO FROM DPW AS PER KURT	

<p>4. Discharge of Stormwater from Secondary Containment Describe the process in place for discharging stormwater from secondary containment areas where outdoor containers are stored.</p>
<p>Inspect monthly secondary container to see if it needs to be drained. If water in secondary container looks to have contaminants, we will drain it to a suitable container and have it properly disposed of.</p>
<p>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.</p>
<p>Yes, fueling operations occur on site. BMPs are followed, nozzle shut offs, containment alarms for refill operations.</p>
<p>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.</p>
<p>Yes, vehicle and equipment maintenance and repair occur onsite. Conducted indoors in DPW garage</p>
<p>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.</p>
<p>There is no on-site vehicle washing. We use a local car wash and Ocean County for Truck washing as per schedule C agreement.</p>

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.

Salt/de-icing materials are stored indoors in a fully enclosed structure with an impermeable floor located at Barnegat Twp. Public Works Yards, 5 Lippencott Ave., Barnegat, NJ 08005, away from any stormwater basins/inlets.

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.

These materials are picked up and stored in a bin on a pad which, when full, is sent to the county for disposal.

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.

Cold patch is purchased as needed. If any residual is stored on-sight, it is on an impervious pad and is covered with a tarp.

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.

We keep a small amount of the material on an impervious pad with a cover temporarily. We use Ocean County through Schedule C agreement to remove, sift and properly dispose of the material.

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.

We do not take in demo waste at our facility. If there is any demo waste, it is put into a 40 yard container with a cover. Wood waste such as tree trimming and leaves are stored on a pad with block sides temporarily and is taken to the Ocean County South Recycling Center.

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 in a container as needed. They are sent to a proper disposal company.

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.

Yes, for all inoperable vehicles and equipment in storage, Barnegat Township conducts monthly inspections specifically inoperable vehicles and equipment, with intact body and exterior components and fluids capable of discharging pollutants from leaks. For those that have body damage, rust damage or missing panels or broken windows, covers are placed over vehicles. Any inoperable vehicles found to be leaking, drip pans are used immediately and fluids drained immediately.

Inoperable vehicles are stored away from any storm drains inlets until they are either sold at government auction or disposed.

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) must ensure appropriate staff receive training on all topics listed below within three months of commencement of duties and/or depending on the frequency stated.

Topic	Municipal Employees Examples: in-person or virtual group sessions, e-Learning, field trainings, and videos
Describe the training provided for municipal staff.	
SPPP	SPPP training and recordkeeping is done on a yearly basis and is the responsibility of the Township Utilities Manager, Roger B. Budd, Jr.
Construction Site Stormwater Runoff	Township inspects in-house or consultant, to confirm stormwater run-off requirements are met, through OCSCD permit and stormwater
Post-Construction Stormwater Management in New and Redevelopment	Post-construction stormwater management for new and redevelopment is done on a bi-yearly bases and is the responsibility of the Township Engineer, Kurt Otto, PE, CME, CFM.
Community-wide Ordinances	
Community-wide Measures	<p>For our annual distribution, we mail the DEP brochure to our residents and businesses. The brochure will be distributed with our annual calendar in early-February. Extra copies will be available at our Municipal Building.</p> <p>An annual event will be held each year (Pirate Day) where we will make the DEP brochure and other educational materials available at the table. Flood Educational Pamphlets are available at the Barnegat Twp. Municipal Building, County Library, and the web page regarding flood and storm information. http://www.barnegat.net/fema/</p> <p>Risk Reduction Plus Group had seminars for the public regarding stormwater and flood control devices. Barnegat Twp. has a Community Clean up Group that cleans litter and trash from the stormwater systems within Barnegat Township.</p> <p>Barnegat Township has a Community Dune Grass Planting Group that plants Dune Grass along the coastline in Barnegat Township.</p> <p>Barnegat Township has adopted the adopt-a street program.</p>

Stormwater Facilities Maintenance	Stormwater facilities maintenance is done on a yearly basis and is the responsibility of the Public Works Department.
Municipal Maintenance Yards and Other Ancillary Operations	Municipal maintenance yards, including ancillary operations, are checked on a monthly basis by the Township Public Works Superintendent, Michael Ball, the Township Utilities Manager, Roger B. Budd, Jr., and both Public Works Foremen, Scott Docherty and David Bertram.
MS4 Mapping	All facilities have been GPS located and we are working with an engineer using the mapping grant money to finalize a stormwater map.
Outfall Stream Scouring	Outfall stream scouring detection and control are done every 2 years by the Township Utilities Manager, Roger B. Budd, Jr.
Illicit Discharge Detection and Elimination	Illicit discharge detection and elimination is the responsibility of the Township Utilities Manager, Roger B. Budd, Jr.,

Stormwater Management Design Reviewers	
Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.	
All design engineers, municipal engineers and others who review the stormwater management design for development and/or redevelopment programs on behalf the municipality must attend the first available class upon assignment as a reviewer and ever five years after. Training dates and locations are posted at www.nj.gov/stormwater/training.htm .	

Municipal Board and Governing Body Members
Describe the training provided for members of the planning/zoning board and municipal council.
<p>Training is required for individuals who review and approve applications for development and/or redevelopment projects in the municipality, including planning and zoning boards, town councils, and anyone else who votes on such projects. Training is in the form on online video posted at www.nj.gov/dev/stormwater/training.htm.</p> <p>Within 6 months of commencing duty, watch, "Asking the Right Questions in the Stormwater Review Training Tool". Once per term thereafter, watch at least one of the online DEP videos in the series available under Post-Construction Stormwater Management.</p>

Training Records
Indicate the location of training records for the above required training.
<p>Training records for the above required trainings are located at 10 Water Street., Barnegat, NJ 08005.</p>

Form 11 – MS4 Mapping

Part IV.G.1.

1. Provide a link to the most current MS4 outfall/infrastructure map.	
https://www.barnegat.net/wp-content/uploads/2011/10/Stormwater-Outfall-Map.pdf	
Barnegat Twp. is currently working with an engineer utilizing the stormwater mapping grant to create an overall stormwater map.	
2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).	
a. MS4 outfalls	
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	
c. MS4 interconnections	
d. MS4 storm drain inlets	
e. MS4 manholes	
f. Length of conveyance (channels, pipes, ditches, etc.)	
g. MS4 pump stations	
h. MS4 stormwater facilities (any that are not listed above)	
i. Maintenance yard(s) and other ancillary operations	
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.).	
4. Describe how the municipality will create and update its MS4 Infrastructure Map.	

Form 12 – Watershed Improvement Plan

Part IV.H.

<p>1. Describe how your municipality is developing its Watershed Improvement Plan.</p>
<p>Barnegat Township will be looking to collaborate with both Waretown and Stafford Township. We will use our engineers along with water shed groups to gather information to develop our plan.</p>
<p>2. Describe any regional projects or collaboration efforts with other municipalities.</p>
<p>We are looking to meet with Stafford Township officials in the first half of 2024 to start discussions on collaborating with them.</p>
<p>3. Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.</p>
<p>Those records will be held at 900 West Bay Ave., Barnegat, NJ 08005</p>