# TOWNSHIP OF BARNEGAT OCEAN COUNTY, NEW JERSEY



# STORMWATER POLLUTION PREVENTION (SPPP) PLAN NJPDES #: NJGNJ014G852

Original Prepared: April 2005

Stormwater Maintenance Program Adopted: May 2012

Reviewed/Revised: June 2010

December 15, 2016 by Roger B. Budd Jr. - Director of Municipal Operations May 1, 2017 by Roger B. Budd Jr. - Director of Municipal Operations March 12, 2021 by Roger B. Budd Jr. - Director of Municipal Operations

Prepared by:



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**Reger B. Budd, Jr.** Director of Municipal Operations

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#### **SPPP Form 1 – SPPP Team Members**

	Stormwater Program Coordinator (SPC)
Print/Type Name and Title	Roger B. Budd Jr Director of Municipal Operations
Office Phone # and eMail	(609) 698-6185 - rbudd@comcast.net
Signature/Date	
	Individual(s) Responsible for Major Development Project Stormwater Management Review
Print/Type Name and Title	Kurt Otto - Township and Board Review Engineer
Print/Type Name and Title	
	Other SPPP Team Members
Print/Type Name and Title	Scott Docherty - DPW Acting Director
Print/Type Name and Title	John Durasky - Township Zoning and Code Enforcement Officer
Print/Type Name and Title	
Print/Type Name and Title	

## **SPPP Form 2 – Revision History**

Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
4/1/05			Initial SPPP
5/1/17			Updated SPPP
3/12/21			Updated SPPP
	Date 4/1/05 5/1/17	Date     Initials       4/1/05	DateInitialsForm Changed4/1/05

## **SPPP Form 3 – Public Involvement and Participation Including Public Notice**

1. Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:		http://www.barnegatwatersewer.com/		
2.	Date of most current SPPP:	March 12, 2021		
3.	Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	http://www.barnegatwatersewer.com/		
4.	Date of most current MSWMP:	March, 2008		
	Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	http://www.barnegat.net/		
6.	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:			
Lav cor Ba of t sto	w" NJSA 10:4-6 et seq. Barneg nplies with the requirements of rnegat Township provides publ he NJSA 40:49-1 et. Seq. In ac rmwater management plan) su	is required under the Open Public Meetings Act "Sunshine at Township provides public notice in a manner that that Act. Also, in regard to the passage of the ordinances, ic notice in a manner that complies with the requirements ddition for municipal actions (e.g., adoption of the municipal bject to public notice requirements in the Municipal Land ), Barnegat Township complies with those requirements.		

## **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.

For our annual distribution, we will mail the DEP brochure to our residents and businesses. The brochure will be distributed with our annual calender in early-February. Extra copies will be available at our Municipal Building.

An annual event will be held each year (Pirate Day or Independence Day) where we will make the DEP brochure and other educational materials available at the table.

Special Flood Hazard Areas are targeted audiences. Flood Educational Pamphlets are available at the Barnegat Township Municipal Building, County Library, and the web page regarding flood and storm information. http://www.barnegat.net/fema/

Risk Reduction Plus Group had seminars for the public regarding stormwater and flood control devices.

Barnegat Township has a Community Clean up Group that cleans litter and trash from the stormwater systems within Berkeley Township.

Barnegat Township has a Community Dune Grass Planting Group that plants Dune Grass along the coastline in Barnegat Township.

Barnegat Township has adopted the adopt-a street program.

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.

For our annual distribution, we will mail the DEP brochure to our residents and businesses. The brochure will be distributed with our annual calender in early-February. Extra copies will be available at our Municipal Building.

An annual event will be held each year (Pirate Day or Independence Day) where we will make the DEP brochure and other educational materials available at the table.

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

For our annual distribution, we will mail the DEP brochure to our residents and businesses. the brochure will be distributed with our annual calender in early-February. Extra copies will be available at our Municipal Building.

# 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 individual development, as well as multiple developments that individually or collectively result in:

- 1) The disturbance of 1 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;
- 4) A combination of 2 and 3 above that totals an area of one-quarter acre or more.

Projects undertaken by any governmental agency that otherwise meet the definition of "major development" but do not require approval under MLUL are considered "major dev"

2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?

All residential projects and non-residential projects are required to comply with the NJDEP BMP Manual.

All residential projects are required to comply with the provisions of NJAC 5:21 (RSIS) Subchapter 7, Stormwater Management.

All residential and non-residential projects must comply with the provisions of NJAC 7:8 Stormwater management and the provisions of the Barnegat Township Stormwater Control Ordinances.

All projects within the Pinelands shall comply with the requirements of the Pinelands Comprehensive Management Plan NJAC 7:50-1.1.

3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?

Municipal projects meet the same standards as commercial development, see No. 2 above.

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.

Applications to the Planning or Zoning Board are reviewed by the Board Engineer, and 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.

Storn	the Municipal nwater Management include a mitigation	Yes
of ap major Majo Sumr	is the physical location proved applications for r development projects, r Development nary Sheets (permit att. nd mitigation plans?	Office of Planning and Zoning Board Secretary

#### **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	04/18/2005	https://ecode360.com/BA 0366	yes	Police and Township Board of Health
2. Wildlife Feeding permit cite IV.B5.a.ii	04/18/2005	https://ecode360.com/BA 0366	yes	Police and Township Board of Health
3. Litter Control permit cite IV.B5.a.iii	04/18/2005	https://ecode360.com/BA 0366	yes	Police and Township Board of Health
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	04/18/2005	https://ecode360.com/BA 0366	yes	Police and Township Board of Health
5. Containerized Yard Waste/Yard Waste Collection Program permit cite IV.B.5.a.v	04/18/2005	https://ecode360.com/BA 0366	yes	Police and Township Board of Health
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	06/12/2010	https://ecode360.com/BA 0366	yes	Water/Sewer Utility
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	04/03/2006	https://ecode360.com/BA 0366	yes	Barnegat Township
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	04/18/2005	https://ecode360.com/BA 0366	yes	Police and Township Board of Health
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2	06/21/2010	https://ecode360.com/BA 0366	yes	Code Enforcement Officer

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

Barnegat Township Code Enforcement Officers and local police officers will enforce these ordinances. If someone is found to be in Violation of an ordinance, Code Enforcement Officer will issue a "Notice of Violation" warning for the first-time offense and penalties will issued for subsequent offenses.

## **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.

Because Barnegat Township's commercial areas are located on non-municipal-owned roads, the street sweeping requirement does not apply. Township has one operating sweeper and sweeps priority roads as needed.

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.

County roads are swept four times a year. State roads are swept two times a year.

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

The Township of Barnegat has an informal agreement with Waretown within the Township of Ocean.

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.

Because Barnegat Township's commercial areas are located on non-municipal-owned roads, the street sweeping requirement does not apply. Township has one operating sweeper and sweeps priority roads as needed.

#### **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.

Annual visual inspection of all catch basins. Cleaning and maintenance as needed. Records at maintained at the office of the Stormwater Coordinator.

2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.

Street located along Barnegat Township bayfront area and other tidally influenced areas.

3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.

Checked quarterly. Regularly inspected after large storm events. Work prioritized by necessity and issues corrected.

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.

Inlets are inspected annually. During inspections, the medallion is inspected and/or print markers. Markers are replaced/repainted 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.

Office of the Stormwater Coorinator

#### **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.

All inlets related to Barnegat Township public or private redevelopment projects are reviewed and designed by the Township Engineer's office. Design Engineers shall use the NJDOT bicycle safe grate styles and if needed a curb opening with a clear space no bigger than two inches across the smallest dimension.

2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.

Inspections are done by the Engineer's office during and after construction of Township repavement, reconstruction projects or other public and private redevelopment projects which include alteration of the roadway systems.

3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.

Plans are reviewed and approved by the Township Engineer's office to ensure that privately owned storm drain inlets are retrofitted.

4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.

Bonds are put in place for inspection to ensure that privately owned storm drains are retrofitted appropriately.

## 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: 5 Lippencott Ave. (DPW) 10 Water Street (Water/Sewer) 699 Barnegat Blvd North (Water/Sewer) 901 West Bay Ave. (Water/Sewer) 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/Gravel Intermediate products – N/A Final products -N/A Waste materials -Brush/Leaves By-products -None Machinery -Parked Vehicles, Dump Trucks, Heavy Equipment Fuel -N/A Lubricants -N/A Solvents -N/A Detergents related to municipal maintenance yard or ancillary operations – N/A Other – N/A

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

Public Works yard at 5 Lippencott Ave.

2. Vehicle Maintenance

Daily

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 vehicle washing.

4. Discharge of Stormwater from Secondary Containment

No

5. Salt and De-Icing Material Storage and Handling

Material is housed indoors.

6. Aggregate Material and Construction Debris Storage

Millings, Stormwater piping and materials, misc. stone

7. Street Sweepings, Catch Basin Clean Out and Other Material Storage

Behind police Station on a pad. Sweepings are held until dried out, then shipped to County yard in Berkeley.

8. Yard Trimmings and Wood Waste Management Sites

Wood chips and Mulch

9. Roadside Vegetation Management

No

## SPPP Form 11 – Employee Training

All records must be available upon request by NJDEP.

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.

Торіс	Frequency	Title of trainer or office to conduct training
<ol> <li>Maintenance Yard Operations (including Ancillary Operations)</li> </ol>	Every year	Scott Docherty
2. Stormwater Facility Maintenance	Every year	Roger B. Budd Jr.
3. SPPP Training & Recordkeeping	Every year	Roger B. Budd Jr.
4. Yard Waste Collection Program	Every 2 years	Scott Docherty
5. Street Sweeping	Every 2 years	N/A
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	Roger B. Budd Jr.
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	Roger B. Budd Jr.
8. Waste Disposal Education	Every 2 years	Scott Docherty
9. Municipal Ordinances	Every 2 years	Roger B. Budd Jr.
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Engineer

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.

Within 6 months of commencing duties, watch *Asking the Right Questions in 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. Indicate the location of records documenting the names, video titles, and dates completed for each board and governing body member.

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 <a href="https://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. Kurt J. Otto, PE, CME, CFM - July 31st and August 1st 2018 in Hamilton, NJ

#### **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.

Roger Budd maintains hard copy maps.

GIS mapping is available for all outfall structures - January 2021

Additional information is found at http://www.barnegat.net/departments/public-works/

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

Periodic Inspections are performed on outfall pipes. Complaint Driven.

Corrective measures will be made by the Township. Records maintained at the office of the SPC.

3. **Stream Scouring:** Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes. Indicate the location of records related to cases of localized stream scouring. Such records must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases.

When we are doing the illicit connection part of this program, we will be checking all of our outfall pipes for signs of scouring. All sites will be placed on a prioritized list and repairs will be made in accordance with the Standards of Soil Erosion and Sediment Control in New Jersey. In addition, repairs that do not need NJDEP permits for repairs may be done first.

We will follow-up each repair with an annual inspection.

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 (<u>www.nj.gov/dep/dwq/tier\_a\_forms.htm</u>) 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.

We conduct an annual inspection of all of our outfall pipes during dry weather. We will use the DEP Illicit Connection Inspection Report Form to conduct these inspections, and each of these forms will be kept with our SPPP records. Outfall pipes that are found to have a dry weather flow or evidence of an intermittent non-stormwater flow will be rechecked again to locate the illicit connection. If we are able to locate the illicit connection (and the connection is within Barnegat Township) we will cite the responsible party for being in violation of our Illicit Connection Ordinance and we will have the collection eliminated immediately. If, after the appropriate amount of investigations, we are unable to locate the source of the illicit connection, we will submit the Closeout Investigation Form with our Annual Inspection and Recertification. If an illicit connection is found the originate from another public entity, Barnegat Township will report the illicit connection to the Department. Barnegat Township has a hotline that is currently used for reporting spills and illegal dumping. This hotline will also be made available for reporting illicit connections.

#### **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.

Barnegat Township has implemented, in May 2012, a stormwater facility maintenance program to ensure that all stormwater facilities operated by the Township function properly. Barnegat Township operates catch basins, storm drains, infiltration basins, buffer strips, and swales. These stormwater facilities will be inspected annually to insure that they are functioning properly. In high risk areas, preventative maintenance will be performed on all stormwater facilities to ensure that they do not begin to fail.

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.

Stormwater management facilities are required to submit Operation and Maintenance (O&M) Manual in compliance with the NJDEP BMP Manual. Stormwater facilities are deed restricted for maintenance with a Homeowners Association (HOA) or owner of property. HOA and/or property owners are required to submit inspection reports as indicated in the O&M Manual.

HOA and /or owner of property are required to submit inspection reports as indicated in the O&M Manual.

Code Enforcement gives "Notice of Violation" when stormwater facilities fail or needs maintenance.

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.

Inspection and Maintenance logs are located at the office of the SPC.

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 <u>http://www.nj.gov/dep/stormwater/maintenance\_guidance.htm</u> (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 <u>https://hydro.rutgers.edu</u>. To download data in an Excel format, see <u>https://hydro.rutgers.edu</u>.

#### **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 <u>www.nj.gov/dep/dwq/msrp-tmdl-rh.htm</u>, list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

Per NJDEP website, there are:

Fourteen TMDL's for coliform to address shellfish-impared waters in Watershed Management Area 13 including, Barnegat Bay, Manahawking Bay and Mill Creek.

Five TMDL's for coliform to address shellfish-impared waters in Watershed Management Area 14 including, Mullica River and Wading River.

TMDL for Pathogens to Address 18 Lakes in the Atlantic Coastal Water Region including, Deer Head Lake, Holiday Lake, Lake Barnegat, Manahawkin Lake, and Ocean Township Bathing Beach

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

Application to follow stormwater controlt ordinance and NJBMP.

## **SPPP Form 15 – Optional Measures**

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.
N/A	
N// X	
2.	Has the permittee adopted a Refuse Container/Dumpster Ordinance?
Yes	