

# Stormwater Pollution Prevention Plan

Mantua Township

Gloucester County

NJPDES #NJG0152846

April 29th, 2022

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## SPPP Form 1 – SPPP Team Members

All records must be available upon request by NJDEP.

<b>Stormwater Program Coordinator (SPC)</b>	
Print/Type Name and Title	<b>Glenn deMers, C.P.W.M., Superintendent</b>
Office Phone # and eMail	<b>856-468-1500X115 / gdemers@mantuatownship.com</b>
Signature/Date	
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>	
Print/Type Name and Title	<b>Glenn deMers, C.P.W.M., Superintendent</b>
Print/Type Name and Title	<b>Jennica Bileci, Twp. Clerk</b>
Print/Type Name and Title	<b>Graham Land, Code Enforcement</b>
Print/Type Name and Title	
Print/Type Name and Title	
<b>Other SPPP Team Members</b>	
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	

## SPPP Form 2 – Revision History

All records must be available upon request by NJDEP.

	<b>Revision Date</b>	<b>SPC Initials</b>	<b>SPPP Form Changed</b>	<b>Reason for Revision</b>
1.				
2.				
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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:	<a href="https://mantuatownship.com/wp-content/uploads/2022/04/SPPP-Form.pdf">https://mantuatownship.com/wp-content/uploads/2022/04/SPPP-Form.pdf</a>
2. Date of most current SPPP:	<b>Apr 29, 2022</b>
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	<a href="https://mantuatownship.com/wp-content/uploads/2020/1020201014123419879-1pdf">https://mantuatownship.com/wp-content/uploads/2020/1020201014123419879-1pdf</a>
4. Date of most current MSWMP:	<b>Nov 1, 2021</b>
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	<a href="https://mantuatownship.com/resources/bid-opportunities">https://mantuatownship.com/resources/bid-opportunities</a>
6. Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of a MS4 stormwater program:	
<p>For meetings where public notice is required under the Open Public Meetings Act ("Sunshine Law", N.J.S.A. 10:4-6 et seq.) Mantua Township provides public notice in a manner that complies with the requirements of that Act. Also, in regard to the passage of ordinances, Mantua Township provides public notice in a manner that complies with requirements of N.J.S.A. 40:49-1 et seq. In addition, for municipal actions (e.g. adoption of the municipal stormwater management plan) subject to public notice requirements in the Municipal Land Use Law (N.J.S.A. 40:55D-1 et seq.), Mantua Township complies with those requirements .</p>	

## SPPP Form 4 – Public Education and Outreach

All records must be available upon request by NJDEP.

1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.

Gloucester County through the Gloucester County Improvement Authority is undertaking a county-wide stormwater management program , to assist the municipalities in the county with their stormwater permit responsibilities . As part of that county-wide program, Gloucester County is undertaking portions of the activities required for the Local Public Education Program . Specifically , the County will be :

1. Distributing the NJDEP education brochure annually and;
2. Mantua Township will provide information in it's Township newsletters, bulletin board , and will have a booth set up at it's annual Township day or tree lighting event .

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.

Mantua Township will provide information in it's Township newsletters , bulletin boards and will have a booth set up at it's annual Township day or tree lighting events. In addition , we will use social media such as Facebook and Twitter . Also with community cleanups .

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

Clerks office-401 Main Street , Mantua, NJ 08051

## SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

All records must be available upon request by NJDEP.

<p>1. How does the municipality define 'major development'?</p>
<p>Any development that provides for ultimately disturbing one or more acres of land . Disturbance for the purpose of this chapter is the placement of impervious surface or exposure and/or movement of soil or bedrock or clearing , cutting or removing of vegetation .</p>
<p>2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?</p>
<p>The municipality approaches residential projects as per the design and specifications set forth by the RSIS</p>
<p>3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?</p>
<p>The design engineer reviews the Stormwater Control Ordinance and implements the necessary Stormwater Mangement Design to meet all of the nessary rules and regulations . The Mantua Township Board Engineer then reviews the plans against the current N.J.A.C. 7:8 Stormwater Mangement Regulations BMP Manual to ensure compliance .</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.

The Board Engineer reviews the applicants design plans, stormwater mangement report and the stormwater operations and maintenance plan . The Board Engineer will write a review letter of any missing information within said plans and reports .

<p>5. Does the Municipal Stormwater Management Plan include a mitigation plan?</p>	<p>Yes</p>
<p>6. What is the physical location of approved applications for major development projects, Major Development Summary Sheets (permit att. D), and mitigation plans?</p>	<p>401 Main Street Mantua Township , NJ 08051</p>



## SPPP Form 6 – Ordinances

All records must be available upon request by NJDEP.

Ordinance permit cite IV.B.1.b.iii	Date of Adoption	Website URL	Was the DEP model ordinance adopted without change?	Entity responsible for enforcement
1. Pet Waste permit cite IV.B.5.a.i	08/14/07	<b>346-16</b>	<b>Yes</b>	Code Enforcement
2. Wildlife Feeding permit cite IV.B5.a.ii	08/14/07	<b>346-1</b>		
3. Litter Control permit cite IV.B5.a.iii	08/14/07	<b>346-22</b>		
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	08/14/07	346-32		
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	08/14/200 7	346-6		
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	05/03/201 0	346-46		
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii		344-1		
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	08/14/200 7	346-27		
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2		338-14		

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

Stormwater Mangement is located in the Chapter 346 on the Mantua Township Ordinance website, which covers most of the stormwater ordinances and related enforcement actions .All records of enforcement action and other records associated with Ordinances are kept within Municipal building .

## 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.

We are not required to street sweep as we dont have any commercial ir industrial areas on Township owned roads .

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.

N/A

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.

Public Works Office

## SPPP Form 8 – Catch Basins and Storm Drain Inlets

All records must be available upon request by NJDEP.

<p>1. Describe the schedule for catch basin and storm drain inlet inspection, cleaning, and maintenance.</p>
<p>All inlets are to be inspected on at least once a year and during periodic inlet cleaning . The cleaning usually takes place when manpower is available. All Public Works employees are cognizant of the need to observe inlets for labels or other issues when working in the proximity of an inlet . Any noted deficiency for labeling or damage will be reported to Public Works Superintendent and a work order will be completed to document the corrective actions</p>
<p>2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.</p>
<p>At this time, Mantua Township is confident that there are no locations of catch basins and storm drain inlets with recurring problems.</p>
<p>3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.</p>
<p>At this time , Mantua Township has completed all labeling of inlets within the Township controlled within public property . Any deficiencies found during inspection will be noted and reported to the Public Works Superintendent .</p>
<p>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.</p>
<p>Public Works periodically performs inspections throughout the year when manpower is available , if we come across and inlet frame or grate that is broken or a inlet that is not labeled it is reported to Public Works Superintendent . A workorder will be completed to document the corrective action .</p>
<p>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.</p>
<p>The Mantua Township Public Works Department provides the records of the catch basins and storm drain inlet inspections</p>

## SPPP Form 9 – Storm Drain Inlet Retrofitting

All records must be available upon request by NJDEP.

<p>1. Describe the procedure for ensuring that municipally owned storm drain inlets are retrofitted.</p>
<p>To ensure municipally owned storm drain inlets are retrofitted ,the head pieces are replaced during road programs. All inlets that are proposed as part of new development applications are required to have the NJDOT Type N head pieces as well as NJDOT Bicycle safe grates .</p>
<p>2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.</p>
<p>At the conclusion of all municipal road programs , a final inspection of all head pieces and grates is completed by the Township Engineer to verify that the installed measures meet current Stormwater Regulations .</p>
<p>3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.</p>
<p>To ensure that privately owned storm drain inlets are retrofitted , the Township Engineer reviews the storm drain inlet to ensure proper head pieces are being proposed and inspections are conducted for storm drain inlets during construction to ensure compliance</p>
<p>4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.</p>
<p>To verify the appropriate retorfits are completed on the privately owned strom drain inlets , inspection of retrofit head piece design is completed for construction approval to ensure all headpieces and grates match the appropriate details .</p>

## 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:

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 –           None

Intermediate products – None

Final products –         None

Waste materials –       None

By-products –           None

Machinery –             N/A

Fuel –                     Diesel , Gasoline

Lubricants –             Hydraulic Oil

Solvents –               None

Detergents related to municipal maintenance yard or ancillary operations –  
None , No washing is permitted.

Other –                    Shared service with Pitman

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

We have compiled a list of all fueling locations within our municipal maintenance yard , which will be inspected once a month .

2. Vehicle Maintenance

Monthly inspections will be held to ensure that the SOP is being met .

3. On-Site Equipment and Vehicle Washing

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

None

4. Discharge of Stormwater from Secondary Containment

The Township does not have any Secondary Containment structures .

5. Salt and De-Icing Material Storage and Handling
Mantua Township currently stores it's de-icing salt in a Salt Barn .
6. Aggregate Material and Construction Debris Storage
The Township does not have any .
7. Street Sweepings, Catch Basin Clean Out and Other Material Storage
None at this time .
8. Yard Trimmings and Wood Waste Management Sites
The Township does not have any .
9. Roadside Vegetation Management
To control vegetation , the Township will conduct scheduled mowing routes weekly . The Township does not use herbicides along roadsides within the town .

## SPPP Form 11 – Employee Training

All records must be available upon request by NJDEP.

<p><b>A. Municipal Employee Training:</b> Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below as required due to job duties assigned within three months of commencement of duties and again on the frequency below. Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic.</p>		
Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard Operations (including Ancillary Operations)	Every year	<b>PW SUPERINTENDENT</b>
2. Stormwater Facility Maintenance	Every year	PW SUPERINTENDENT
3. SPPP Training & Recordkeeping	Every year	PW SUPERINTENDENT
4. Yard Waste Collection Program	Every 2 years	PW SUPERINTENDENT
5. Street Sweeping	Every 2 years	PW SUPERINTENDENT
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	<b>PW SUPERINTENDENT</b>
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	<b>PW SUPERINTENDENT</b>
8. Waste Disposal Education	Every 2 years	PW SUPERINTENDENT
9. Municipal Ordinances	Every 2 years	PW SUPERINTENDENT
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	<b>ENGINEER</b>
<p><b>B. Municipal Board and Governing Body Members Training:</b> Required for individuals who review and approve applications for development and redevelopment projects in the municipality. This includes members of the planning and zoning boards, town council, and anyone else who votes on such projects. Training is in the form of online videos, posted at <a href="http://www.nj.gov/dep/stormwater/training.htm">www.nj.gov/dep/stormwater/training.htm</a>.</p> <p style="margin-left: 40px;">Within 6 months of commencing duties, watch <i>Asking the Right Questions in Stormwater Review Training Tool</i>. Once per term thereafter, watch at least one of the online DEP videos in the series available under Post-Construction Stormwater Management. Indicate the location of records documenting the names, video titles, and dates completed for each board and governing body member.</p>		
<p><b>C. Stormwater Management Design Reviewer Training:</b> All design engineers, municipal engineers, and others who review the stormwater management design for development and redevelopment projects on behalf of the municipality must attend the first available class upon assignment as a reviewer and every five years thereafter. The course is a free, two-day training conducted by DEP staff. Training dates and locations are posted at <a href="http://www.nj.gov/dep/stormwater/training.htm">www.nj.gov/dep/stormwater/training.htm</a>. Indicate the location of the DEP certificate of completion for each reviewer.</p>		



## SPPP Form 12 – Outfall Pipes

All records must be available upon request by NJDEP.

1. **Mapping:** Attach an image or provide a link to the most current outfall pipe map. Maps shall be updated at the end of each calendar year.

*Note that ALL maps must be electronic by 21 Dec 2020 via the DEP's designated electronic submission service. For details, see [http://www.nj.gov/dep/dwg/msrp\\_map\\_aid.htm](http://www.nj.gov/dep/dwg/msrp_map_aid.htm).*

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

Mantua Township will conduct annual inspections of outfall pipe locations as mapped to ensure any sediment or debris is removed to allow for adequate flow . All locations will be inspected for trash as well . All records of these inspections will be kept at the Mantua Public Works office .

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.

To detect , investigate and control localized stream scouring from stormwater outfall pipes, yearly inspections are conducted by Mantua Township Public Works for any signs of scour, sedimentation , or deformities at the outfall.

4. **Illicit Discharges:** Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfall pipes. Record cases of illicit discharges using the DEP's Illicit Connection Inspection Report Form ([www.nj.gov/dep/dwq/tier\\_a\\_forms.htm](http://www.nj.gov/dep/dwq/tier_a_forms.htm)) and indicate the location of these forms and related illicit discharge records.

*Note that Illicit Connection Inspection Report Forms shall be included in the SPPP and submitted to DEP with the annual report.*

During outfall pipe mapping , intial inspections will be conducted for illicit connections . Every attempt will be made to locate sources of illicit connections and when sources are identified,the responsible party shall be penalized in accordance with Section 346-27 of the Code of the Township of Mantua . Subsequent discoveries of illicit connections, illegal dumping or spills observed or reported , will be investigated by the Township and identified violators penalized . Outfalls are inspected for illicit connection; to date , none have been found . Visual inspections of illicit connections are conducted every yearly by the Township of Mantua .

## 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.

Stormwater Facilities are maintained weekly during the Spring , Summer and Fall of the year. This weekly schedule includes mowing of the grass , check for debris, ensuring that pipes and grates are clear of debris and are unobstructed . In addition, any stone areas in the basin are monitored to be sure they are not silted or clogged with excess leaves, grass, or other debris. Facility walls and the base are inspected for animals that may tunnel or create conditions that could compromise the facility's integrity or operation. Weirs and high flow channels are inspected to be sure they are clear and in proper condition. During the winter months and when routine mowing is not taking place, stormwater facilities are inspected at least once a month , However, during the winter months , inspections are conducted , at a minimum, before and after a rain event .

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 facilities that are not operated or owned by the municipality are monitored by code enforcement , the police department , and any other public official that is able to report an issue . Since the facilities are privately owned , enforcement action will be taken to ensure that the deficiency is corrected and the facilities operate as intended

3. Indicate the location(s) of the Stormwater Facilities Inspection and Maintenance Logs listing the type of stormwater facilities inspected, location information, inspection dates, inspector name(s), findings, preventative and corrective maintenance performed.

All of this information can be at Mantua Township Municipal building

Note that maintenance activities must be reported in the annual report and records must be available upon request. DEP maintenance log templates are available at [http://www.nj.gov/dep/stormwater/maintenance\\_guidance.htm](http://www.nj.gov/dep/stormwater/maintenance_guidance.htm) (select specific logs from choices listed in the Field Manuals section).

*Additional Resources: The NJ Hydrologic Modeling Database contains information and maps of stormwater management basins. To view the database map, see <https://hydro.rutgers.edu>. To download data in an Excel format, see [https://hydro.rutgers.edu/public\\_data/](https://hydro.rutgers.edu/public_data/).*

## SPPP Form 14 – Total Maximum Daily Load Information

All records must be available upon request by NJDEP.

1. Using the Total Maximum Daily Load (TMDL) reports provided on [www.nj.gov/dep/dwg/msrp-tmdl-rh.htm](http://www.nj.gov/dep/dwg/msrp-tmdl-rh.htm), list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

There are two watersheds located within the Township; the Mantua Creek Watershed and the Cedar Swamp/Repaupo/Clonnell Creek Watershed. The Mantua Creek Watershed has a total of four (4) sites that are considered impaired. Edwards Run, Chestnut Branch (Above Sewell), Mantua Creek (below Edwards Run), and Mantua Creek (below Edwards Run to Rd to Sewell). The listed sites are noted within the 2014 Report for Impaired Waterways. The impairments include phosphorus, mercury, polychlorinated biphenyls (PCBs), pH levels, E Coli, and fecal coliform.

The Cedar Swamp, Repaupo Creek, Clonnell Creek Watershed has a total of 4 sites with contaminated waters. These waters include Moss Branch/Little Timber Creek, Pargay Creek, Repaupo Creek (below Tomlin Station Rd.), Cedar Swamp, and Still Run/London Br. (above Tomlin Station Rd.). The same impairment apply to these water bodies.

The majority of the impairments have shown to be of low priority for implementation of official TMDL's. Currently, nine (9) applicable approved TMDL's apply to water bodies noted above.

TMDL's for Fecal Coliform to Address 3 Streams in the Lower Delaware Water Region.

Fecal Coliform - 2005 : Edwards Run :  
TMDL's for Fecal Coliform to Address 27 Streams in the Lower Delaware Water Region.

Fecal Coliform - 2003 : Still Run :  
TMDL's for Mercury Impairments Based on Concentration in Fish Tissue Caused Mainly by Air Deposition to Address 122 HUC 14S Statewide .

Mercury - 2010 : Chestnut Branch (above Sewell) :  
TMDL's for Polychlorinated Biphenyls (PCB) for Zones 2-5 of the Tidal Delaware River .

Polychlorinated Biphenyls (PCBs) - 2003 : Chestnut Branch (above Sewell) :  
TMDL's for Polychlorinated Biphenyls (PCBs) for Zones 2-5 of the Tidal Delaware River .

Polychlorinated Biphenyls (PCBs) - 2003 - Edwards Run :  
TMDL's for Polychlorinated Biphenyls (PCBs) for Zones 2-5 of the Tidal Delaware River .

Polychlorinated Biphenyls (PCBs) - 2003 : Mantua Creek (Edwards Run to rd to Sewell) :  
TMDL's for Polychlorinated Biphenyls (PCBs) for Zones 2-5 of the Tidal Delaware River .

Polychlorinated Biphenyls (PCBs) - 2003 : Mantua Creek (road to Sewell to Rt 47) :  
TMDL's for Polychlorinated Biphenyls (PCBs) for Zones 2-5 of the Tidal Delaware River .

Polychlorinated Biphenyls (PCBs) - 2003 Pargay Creek : View the TMDL Document  
TMDL's for Polychlorinated Biphenyls (PCBs) for Zones 2-5 of the Tidal Delaware River .

Polychlorinated Biphenyls (PCBs) - 2003 : Still Run/London Br (above Tomlin Station Rd.) :

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

Depending on how the stormwater facilities maintenance projects will effect the nearby waters, the permittee will prioritize their jobs accordingly. the permittee will prioritize projects that will help decrease these harmful pollutants to the air and water , which will in return reduce the PCB loadings to eventually get down to the TMDL levels.

Furthermore, since New Jersey only accounts for 12.5% of the states mercury deposition in the waters, there is a minimal of improvement the municipality can help with. However, since the ambient pollutants normally are caused by air deposition and storm water runoff, the permittee prioritizes relating to stormwater infiltration and enhancing the air quality of the municipality.

## SPPP Form 15 – Optional Measures

All records must be available upon request by NJDEP.

<p>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.</p>
<p>None</p>
<p>2. Has the permittee adopted a Refuse Container/Dumpster Ordinance?</p>
<p>Yes, Mantua Township adopted a refuse container/dumpster ordinance under the code number 338-14, and it follows the NJDEP model ordinance.</p>