

# Stormwater Pollution Prevention Plan

*(City of Bridgeton)*

*(Cumberland County)*

*(Permit Number NJG0147826)*

*Annual Review Date: (June 2023)*

*Stormwater Program Coordinator: (Mark Lavenberg)*

## **Table of Contents**

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

## Form 1 – Team Members

<b>Stormwater Program Coordinator (SPC)</b>			
Name and Title		Mark Lavenberg, Director of Public Works	
Phone	856-455-7257	Email	lavenbergM@cityofbridgeton.com
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>			
Name and Title		Stephen Nardelli, PE, PP, CME	
Phone	856-451-2990	Email	snardelli@fralinger.com
Name and Title			
		Email	
<b>Other Municipal Stormwater Team Members</b>			
Name and Title		Kevin Rabago, Business Administrator	
Phone	856-451-3230 Ext. 225	Email	rabagok@cityofbridgeton.com
Name and Title			
Phone		Email	
Name and Title			
Phone		Email	
<b>Shared/Contracted Service Providers</b>			
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.
<a href="https://cityofbridgeton.com/departmentofpublicworks.php">https://cityofbridgeton.com/departmentofpublicworks.php</a>
2. List the name and title of person(s) responsible for stormwater webpage postings/updates.
Amber Mazzola, Admin Clerk/Website Administrator
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.
Facebook, Mailings, Fliers, Webpage

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

*Part IV.E.*

<p>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.</p>
<p>The municipality defines major development the same as it is found in NJAC 7:8.</p>
<p>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.</p>
<p>The SCO is the same as the NJDEP's model.</p>
<p>3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).</p>
<p>The applicant's site development stormwater plan is submitted and reviewed by the municipal board or official. The board or official will consult with the City's engineer to determine if all checklist requirements have been satisfied.</p>

<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. Clerk's office</p> <p>Address: 181 E. Commerce Street</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>7-18-2009 (Ordinance #3-26) 3-16-2021 (Ordinance #21-3)</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>5-27-2004</p>

**Form 5 – Ordinances**  
*Part IV.F.1.*

<b>Ordinance</b>	<b>Date Adopted</b>	<b>Was the DEP model adopted without change? If not, explain how the municipality's is more stringent.</b>	<b>Entity Responsible for Enforcement</b>	<b>Fees &amp; Fines</b>
1. Pet Waste	06-21-04	Yes	<i>BPD, Local Board of Health, Dept. of Housing</i>	<i>\$100</i>
2. Wildlife Feeding	06-21-04	Yes	<i>BPD, Mun. Officials</i>	<i>\$100</i>
3. Litter Control	06-21-04	Yes	<i>BPD, Mun. Officials</i>	<i>\$100</i>
4. Improper Disposal of Waste	06-21-04	Yes	<i>BPD, Mun. Officials</i>	<i>\$100</i>
5. Yard Waste	06-21-04	Yes	<i>Code Enforcement</i>	<i>\$100</i>
6. Private Storm Drain Inlet Retrofitting	09-07-10	Yes	<i>BPD, Local Board of Health, Dept. of Housing</i>	<i>\$100 - \$2,000</i>
7. Illicit Connections	06-21-04	Yes	<i>BPD, Mun. Officials</i>	<i>\$100</i>
8. Privately-Owned Salt Storage	N/A	To be adopted in 2023	<i>N/A</i>	<i>\$___</i>
9. Tree Removal-Replacement	N/A	To be adopted in 2023	<i>N/A</i>	<i>\$___</i>
<b>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.</b>				
<b>Indicate the location of records associated with ordinances and related violations and enforcement actions below.</b>				
Address: 181 E. Commerce Street				



## 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.*

The City of Bridgeton sweeping schedule includes the sweeping of all streets required by the NJPDES permit. Streets are designated to each day of the week to be swept.

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

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. Storm drain inlets are inspected at the same time inlets are inspected and cleaned. Labels are also checked during annual catch basin cleaning. Any labels that have gone missing or are no longer legible are repaired immediately.
- b. Municipal – Retrofitting is performed with municipal funded projects. Private – Any changes to a private site the requires approval by the Planning/Zoning Board will be required to retrofit their existing systems. Inspections are performed by city’s engineer to ensure retrofitting was done.
- c. The city’s engineer reviews projects that propose new storm drain inlets and verifies catch basins or other BMPs are used. At the time of installation, the engineer will also inspect.
- d. Storm drain inlets are inspected monthly when crews are working through the six (6) work districts. Drive by inspections are performed. Any sign of the inlets not operating as designed are cleaned and/or fixed.

#### **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. The city of Bridgeton inspects each drain inlet during annual outfall inspections as well as monthly when the crews are working through the six (6) public works districts. Any areas of concern will be noted and inspected more frequently. Inspections involve public works performing a visual inspection.
  - b. Grates are opened and inspected for obstructions into the conveyance. If so, a vac truck is used to clean out.

### **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.

- a. The city of Bridgeton inspects MS4 conveyance systems during annual outfall inspections as well as monthly when the crews are working through the six (6) public works districts. Any areas of concern will be noted and inspected more frequently. Inspections involve public works performing a visual inspection.
- b. Grates are opened and the conveyance systems are inspected for obstructions. If so, a vac truck is used to clean out.

### **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.

Inspections are performed periodically for stream scouring. In the event an issue is discovered, sites will be placed on a prioritized list and repairs will be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. Mini excavator or backhoe is used to clear.

**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.

Inspections are performed periodically for illicit discharge. Dry weather inspections are inspections that take place at least 72 hours after a rain event. Visual inspection is looking for any abnormal discharges such as discoloration or inappropriate debris such as solids or toilet paper.

Cases are recorded using the DEP’s supplied Illicit Connection Inspection Report Form. The city will work to identify the source and stop as soon as it is discovered. All filled forms are available upon request.

**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.

The city has a log of private stormwater facilities. Inspections are performed by the city and in the event of an issue, the city’s enforcement officers notify the owner. Any negligence will result in citation by the city to the owner.

**8. Infrastructure Records**

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

101 Florida Avenue  
Bridgeton, NJ 08302

## Form 8 – Community-wide Measures

### Part IV.F.2.

<p><b>1. Herbicide Application Management</b> Describe your program for preventing herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation.</p>
<p>No herbicide application by city. De-vegetation is done by mowing and no erosion has occurred.</p>
<p><b>2. Excess Deicing Material Management</b> Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.</p>
<p>The city inspects and removes all excess salt piles after snowstorms. Front loaders or hand shoveling into trucks is done.</p>
<p><b>3. Roadside Vegetative Waste</b> 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.).</p>
<p>Wood waste, yard trimmings, brush and alike are collected and disposed of at a recycling center.</p>
<p><b>4. Roadside Erosion Control</b> Describe your program to detect and repair erosion along municipal roadways.</p>
<p>The city is covered and inspected by public works. Any erosion issues are addressed and fixed in a timely manner.</p>

**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*

<b>1. Site Name and Address</b>
101 Florida Avenue Bridgeton, NJ 08302
<b>2. Monthly Site Inspections</b> Describe the nature of inspections conducted at this site and the location of inspection logs.
Inspections are performed daily Monday – Friday as employees are on site. Inspections with written documentation are performed monthly. Logs are available upon request at the mentioned address above.

<b>3. Inventory List</b>	
List all materials and machinery that are potentially exposed to stormwater.	
<b>Materials &amp; Machinery/Equipment (Updated 6-20-2023)</b>	
25-yd Self Contained Leaf Vacuum 4 cyl. Diesel engine w/ Hydraulics	Snow Plow Frame mounts w/Hydraulics
Brush Chippers w/ 4cyl. Diesel engine and Hydraulics	8ft.Tail Gate Spreaders w/Hydraulics
7.5ft.Snow Plows w/Hydraulics	7ft. Tail Gate Spreader w/Hydraulics
8ft. Snow Plows W/Hydraulics	250- Gal. Self Contained/Water Sealed used Motor Oil Recycle Container
8.5ft. Snow Plows W/Hydraulics	250- Gal. Self Contained/Water sealed used Antifreeze Recycle Container
9 ft. Snow Plow w/ Hydraulics	40yd. Open Top Container-Municipal Trash
20yd. Open Top Container-Municipal Trash	Occasional Motor Vehicle and or Construction Equipment awaiting repair/auction
40yd. Open Top Container- Scrap metal	Lawn and garden equipment with gasoline engines
40 yd. Closed Top Container – Used Tires	Light duty trucks with gasoline engine
Light duty pick-ups with gasoline powered engines / antifreeze coolants	Passenger automobiles with gasoline engine
Agricultural farm tractors with diesel engines and hydraulics	
<b>4. Discharge of Stormwater from Secondary Containment</b>	
Describe the process in place for discharging stormwater from secondary containment areas where outdoor containers are stored.	
<p>Motor oil recycle and antifreeze recycle containers are protected by secondary containment. During routine inspections, if stormwater is present around the containers, a shop vac is used to remove stormwater and disposed of at the treatment plant.</p>	
<b>5. Fueling Operations</b>	
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.	
No. Fueling operations are at the county complex.	



<p><b>6. Vehicle/Equipment Maintenance and Repair</b> 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>Maintenance is performed on site and indoors. Should outdoor maintenance be required, absorbent material is available and work is done away from storm drains.</p>
<p><b>7. Wash Wastewater Containment</b> 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>Outdoor vehicle washing. Installed a vehicle wash reclaim system.</p>
<p><b>8. Salt and Other Granular De-icing Materials</b> 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.</p>
<p>N/A. The city has a contract with Cumberland County for purchasing of de-icing materials.</p>
<p><b>9. Aggregate Material, Wood Chips, and Finished Leaf Compost</b> 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.</p>
<p>Chips and Brush Pit – 410 Martin Luther King Way Leaf Pit – 89 Florida Avenue Removed once per year. No stormwater infrastructure is located on said sites and stormwater does not discharge to any body of water.</p>
<p><b>10. Cold Patch Asphalt</b> 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.</p>
<p>Not stored. Purchased as needed.</p>

<p><b>11. Street Sweepings and Storm Sewer Cleanout Materials</b> 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.</p>
<p>When delivered on site, it is placed on an impervious surface and contained with lid to prevent exposure to stormwater. Material is tested and taken to CCIA.</p>
<p><b>12. Construction and Demolition Waste, Wood Waste, and Yard Trimmings</b> 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.</p>
<p>Construction and demolition waste is not accepted. Yard trimmings are collected with household trash.</p> <p>Wood waste is stored in 40cy container. Container is kept away from stormwater infrastructure and is emptied and hauled away as needed.</p>
<p><b>13. Scrap Tires</b> 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.</p>
<p>Self-contained closed box. Not exposed to stormwater.</p>
<p><b>14. Inoperable Vehicles and Equipment</b> 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.</p>
<p>Yes. Inoperable vehicles and equipment are stored away from stormwater infrastructure. Drip pans are used and leaks are monitored. Covers also used to keep exposure to a minimum.</p>

## Form 10 – Training

### Part IV.F.6-10.

<b>Stormwater Program Coordinators</b>
Describe the training provided for the municipal Stormwater Program Coordinator.
<p>Training is in the form of online videos provided by NJDEP:  <a href="https://dep.nj.gov/stormwater/stormwater-training/">https://dep.nj.gov/stormwater/stormwater-training/</a></p>

<b>Topic</b>	<b>Municipal Employees</b>
Examples: in-person or virtual group sessions, e-Learning, field trainings, and videos	
Describe the training provided for municipal staff.	
SPPP	In-person consultation with engineer and public works representatives. SPPP field training by public works reps to workers.
Construction Site Stormwater Runoff	Consultation by city’s engineer to municipal employees. Videos supplied by NJDEP.
Post-Construction Stormwater Management in New and Redevelopment	Consultation by city’s engineer to municipal employees. Videos supplied by NJDEP.
Community-wide Ordinances	In-person and group sessions by code enforcement to public works City of Bridgeton.
Community-wide Measures	In-person and group sessions by code enforcement to public works City of Bridgeton.

Stormwater Facilities Maintenance	In-person by department of public works.
Municipal Maintenance Yards and Other Ancillary Operations	In-person by department of public works.
MS4 Mapping	City's engineer shares to public works and available to review by public works workers.
Outfall Stream Scouring	In-field and video training
Illicit Discharge Detection and Elimination	In-field and video training

<b>Stormwater Management Design Reviewers</b>
Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.
Training is done with course by NJDEP

<b>Municipal Board and Governing Body Members</b>
Describe the training provided for members of the planning/zoning board and municipal council.
<p>Training is in the form of online videos provided by NJDEP:  <a href="https://dep.nj.gov/stormwater/stormwater-training/">https://dep.nj.gov/stormwater/stormwater-training/</a></p>

<b>Training Records</b>
Indicate the location of training records for the above required training.
91 Florida Avenue

## Form 11 – MS4 Mapping

### Part IV.G.1.

1. Provide a link to the most current MS4 outfall/infrastructure map.	
<a href="https://cityofbridgeton.com/departmentofpublicworks.php">https://cityofbridgeton.com/departmentofpublicworks.php</a>	
2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).	
a. MS4 outfalls	<i>n/a</i>
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	<i>n/a</i>
c. MS4 interconnections	<i>n/a</i>
d. MS4 storm drain inlets	<i>n/a</i>
e. MS4 manholes	<i>n/a</i>
f. Length of conveyance (channels, pipes, ditches, etc.)	<i>n/a</i>
g. MS4 pump stations	<i>n/a</i>
h. MS4 stormwater facilities (any that are not listed above)	<i>n/a</i>
i. Maintenance yard(s) and other ancillary operations	<i>n/a</i>
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.).	
<p>Map to be complete prior to January 2026 deadline.</p> <p>When a new construction project takes place and involves any type of stormwater infrastructure, it will be noted with the city. Newly installed stormwater structures will be located and added to the map with a revision date to the map.</p>	
4. Describe how the municipality will create and update its MS4 Infrastructure Map.	
<p>Map to be complete prior to January 2026 deadline.</p> <p>Initial creation of map will be put together by the city’s engineer. Data coordinates will be imported into a city wide map layout and symbolized. Any updates will occur within the same map and a revision date.</p>	

## Form 12 – Watershed Improvement Plan

### *Part IV.H.*

1. Describe how your municipality is developing its Watershed Improvement Plan.
The watershed Improvement Plan is currently underway and the three phases will be complete accordingly.
2. Describe any regional projects or collaboration efforts with other municipalities.
n/a
3. Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.