

Stormwater Pollution Prevention Plan

City of Camden

Camden County

NJPDES # NJG0153338

September 2019

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SPPP Form 01 SPPP Team Members

All records must be available upon request by NJDEP.

Stormwater Program Coordinator (SPC)	
Name:	Orion Joyner, PE, CME,
Title:	City Engineer, City of Camden Division of Capital Improvements and Project Management
Office Phone:	856-757-7680
email:	OrionJ@ci.camden.nj.us
<div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Signature</div> <div>Date</div> </div>	

Individual(s) Responsible for Major Development Project Stormwater Management Review	
Name	Orion Joyner, PE, CME
Title	City Engineer, City of Camden
Name	Keith L. Walker
Title	Director of Public Works, City of Camden

Other SPPP Team Members	
Name	Michelle Banks-Spearman
Title	City Attorney, City of Camden
Name	Vincent Basara
Title	Public Information Officer, City of Camden
Name	Keith L. Walker
Title	Director of Public Works, City of Camden
Name	Jason Asuncion
Title	Business Administrator, City of Camden
Name	Gary Brooks
Title	Operations Manager, American Water Contract Services
Name	Lawrence Markel
Title	Operations Supervisor, American Water Contract Services
Name	
Title	
Name	
Title	

SPPP Form 02 Revision History

All records must be available upon request by NJDEP.

	Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
1.	11/06/19	OCJ	2019	New NJDEP SPPP Format
2.				
3.				
4.				
5.				
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20.				

SPPP Form 03

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:	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code
2. Date of most current SPPP:	July 25, 2017
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code
4. Date of most current MSWMP:	November 2010
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	Office of the City Clerk.
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, N.J.S.A. 10:4-6, et seq., the City of provides public notice in a manner that complies with the requirements of that Act.</p> <p>In regard to passage of the ordinances, the City provides public notice in a manner that complies with the requirements of N.J.S.A. 40:49-1 et seq. In addition, for municipal actions subject to public notice requirements in the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., Camden complies with those requirements.</p> <p>In all respects, those statutes require written notice of the activity to be taken by the City be published in a newspaper of general circulation in the community.</p>

SPPP Form 04 Public Education and Outreach

All records must be available upon request by NJDEP.

<p>1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.</p>	<p>The City's public education and outreach events are advertised on the Department of Public Works website, (https://www.ci.camden.nj.us/public-works).</p> <p>Flyers are available at the City Community Center where the event will be taking place, in addition to being distributed to community organizations, and local merchants.</p>
<p>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.</p>	<p>The City's website, (https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code), provides public awareness to the hazards associated with illicit connections.</p> <p>The Department of Public Works website, (https://www.ci.camden.nj.us/public-works), has links to other websites that provide public awareness to the hazards associated with the improper disposal of waste.</p>
<p>3. Indicate where public education and outreach records are maintained.</p>	<p>Public education and outreach event records are maintained by the Department of Public Works.</p> <p>City of Camden Department of Public Works 101 Newton Avenue Camden, NJ 08102</p>

SPPP Form 05 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 "development" that provides for ultimately disturbing one or more acres of land or increasing impervious surface by one-quarter acre or more. Disturbance for the purpose of this rule is the placement of impervious surface or exposure and/or movement of soil or bedrock or clearing, cutting, or removing of vegetation. Projects undertaken by any government agency which otherwise meet the definition of "major development" but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq. are also considered "major development."
2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?	The City of Camden views projects as "major" or "minor".
3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?	All new development, redevelopment, and construction projects must submit a site specific stormwater control plan to the Department of Planning & Development.
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 Division of Capital Improvements and Construction Management will review the submission, to ensure compliance with the standards set forth in the City Stormwater Ordinance, Stormwater Management Plan, and the New Jersey Residential Site Improvements Standards (RSIS) N.J.A.C 5:12-7 et. seq. for both residential and non-residential development.
5. Does the Municipal Stormwater Management Plan include a mitigation plan?	The City of Camden Municipal Stormwater Management Plan is contained in Appendix III of the Land Development Ordinance of the City of Camden.

<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>Department of Planning & Development 520 Market Street City Hall Suite 224 Camden, NJ 08101-5120</p> <p>c/o Edward C. Williams, PP, AICP, CSI, Director</p>
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SPPP Form 06 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
Pet Waste permit cite IV.B.5.a.i	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Wildlife Feeding permit cite IV.B.5.a.ii	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Litter Control permit cite IV.B.5.a.iii	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Improper Disposal of Waste permit cite IV.B.5.a.iv	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	01/01/11	https://www.ci.camden.nj.us/wp-content/uploads/2013/04/zoning_code	No	Department of Code Enforcement
Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2				
Indicate the location of records associated with ordinances and related enforcement actions:				
Ordinances: City Law Department Enforcement: Department of Code Enforcement				

SPPP Form 07 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.
	As of 02/01/16, street sweeping associated with the City of Camden's Municipal Separate Storm Sewer System(s) (MS4) was included in the operation, maintenance, and management contract with American Water Operation & Maintenance, LLC. The MS4 areas are swept on Wednesday of the second full week of the month. A list of the streets is attached.
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.
	Ninety percent (90%) of the City is served by a combined sewer system (i.e. sanitary and stormwater in a single pipe). As of 02/01/16, street sweeping associated with the City of Camden's Combined Sewer System was included in the operation, maintenance, and management contract with American Water Operation & Maintenance, LLC. The remaining streets in the City are swept from Monday through Friday of the first full week of the month.
3.	Does the municipality provide street sweeping services for other municipalities? If so, please describe the arrangements.
	The City of Camden does not provide street sweeping services for other municipality.
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.
	Records of the street sweeping logs, miles swept, and total tons collected are maintained by American Water Contract Services Operations Center at 100 South 17 th Street, Camden, NJ 08105.

Street Sweeping Procedure

Sweeping

1. Streets are to be swept at a minimum of monthly between March and December (weather permitting), or as needed.
2. Sweeping will be accomplished in the same direction as traffic flow at all times during sweeping.
3. Sweeping speed will be adjusted to street and debris condition, with a maximum speed of six (6) miles per hour.
4. Sweeping will be a minimum eight-foot (8') width as measured from the outside edge of the outside edge of the gutter broom in a single pass as close as practicable to the face of the curb, or to the edge of pavement where no curb exists, for both street edge curbs on raised medians and all intersection cross-gutters.
5. A disposal vehicle (dump truck) will follow the sweepers along their routes.
6. When a sweeper hopper is full, the sweeper will empty their hopper into the disposal vehicle.

Disposal

1. Only sweeping debris will be placed into the disposal vehicle.
2. Once the disposal vehicle is full, the bed will be covered so as not to lose any material enroute to the New Jersey Department of Environmental Protection (NJDEP) certified disposal facility.
3. The disposal vehicle operator will obtain a weight ticket for each load, documenting the quantity of debris disposed of at the (NJDEP) certified disposal facility.

Documentation/Records

1. Complete the Weekly Street Sweeping Log.
2. Track approximate quantities removed.

Street Sweeping Log

Regular Routes 1st full week of the month

Days	Date	Miles Swept	Debris Removed
Monday AM		41.50 miles	
Monday PM		41.50 miles	
Tuesday AM		42.00 miles	
Tuesday PM		42.00 miles	
Wednesday AM		29.00 miles	
Wednesday PM		29.00 miles	
Thursday AM		41.50 miles	
Thursday PM		41.50 miles	
Friday AM		33.50 miles	
Friday PM		33.50 miles	

375.00 miles 0.00 tons

MS4 Routes 2nd full week of the month

Days	Date	Miles Swept	Debris Removed
Wednesday AM		31.00 miles	
Friday AM		28.90 miles	

59.90 miles 0.00 tons

Monthly Total: 434.90 miles 0.00 tons

CSO	0.00 tons
MS4	0.00 tons
	<u>0.00 tons</u>

SPPP Form 08 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.
	There are 5,011 catch basins in the City of Camden System. There is a crew (Catch Basin Crew) dedicated whose daily duties include these functions to ensure that all catch basins are inspected annually and cleaned on a three (3) year cycle.
2.	List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.
	Over the past several decades the City has identified twenty-six (26) specific areas (Hot Spots) that experience some degree of flooding. When any significant precipitation is anticipated, the catch basins in these areas are inspected and cleaned.
3.	Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.
	The catch basins and/or the pipes between catch basins and from the catch basins to the stormwater mains shall be cleaned immediately if any debris, litter, or other obstruction is blocking the catch basin opening, or if there is any debris, litter, or other obstruction located in or at the bottom of the catch basin structure or at the bottom of the pipes. The catch basin and pipe cleaning program implemented by the Operator shall be included in the O&M Plan.
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.
	The Catch Basin Crew notes missing storm drain inlet labels on their daily Work Orders for subsequent replacement.
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.
	Records of catch basin and storm drain inlet inspections, and total tons collected are maintained by American Water Contract Services Operations Center at 100 South 17 th Street, Camden, NJ 08105.

SPPP Form 09 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.

For new developments and redevelopment where the infrastructure will be dedicated to the City as municipal assets, the City's "Land Development Ordinance" (Section 577 of the Camden Municipal Code), requires that all storm drain inlets meet the design standards in Attachment C of the City's Tier A Permit to control the passage of solid and floatable materials into the separate storm sewer system.

Municipally owned facilities are divide into two areas:

1. Capital Projects - this is done in conjunction with redevelopment projects and/or road reconstruction/paving projects.
2. Maintenance - this is done in conjunction with infrastructure repairs to the stormwater system.

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

During the course of Capital Projects, the contractor schedules periodic inspection of the work, which includes field verification by personnel from the Division of Utilities to ensure the catch basin retrofitting work is being done in accordance with the project plans, specifications, and City protocols.

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

For new development or redevelopment where the infrastructure will remain as privately owned assets, the City's "Land Development Ordinance" (Section 577 of the Camden Municipal Code), requires that all storm drain inlets meet the design standards in Attachment C of the City's Tier A Permit to control the passage of solid and floatable materials into the separate storm sewer system

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

The developer schedules periodic inspection of the work to ensure the catch basin retrofitting work is being done in accordance with the project plans, specifications, and City protocols.

Storm Drain Inlet Retrofitting Procedure

1. Issue a Work Order for each catch basin requiring repair/retrofitting work.
2. Notify the Department of Public Works the location(s) where the repair/retrofitting work.
3. Obtain the new style catch basin casting(s) from the Storeroom.
4. Arrange for temporary "No Parking" signs will be posted 72 hours prior to beginning work.
5. Establish "Safe Work Zone" protection prior to commencing work.
6. Remove existing catch basin grate.
7. Cut the pavement to accommodate the work.
8. Remove existing casting to expose concrete structure.
9. Perform a visual inspection to determine what basin structural repairs are required.
10. Complete basin structural repairs, if necessary.
11. Place new casting on basin structure.
12. Backfill around structure.
13. Remove any collected materials and dispose of them at an approved onsite facility.
14. Remove any hand tools from site.
15. If any debris entered the basin lateral, use a vacuum truck to remove the debris, and dispose of the collected material at an approved offsite location.
16. Complete a Work Order for each catch basin repaired or retrofitted.
17. Include any relevant information, such as:
 - a) Type of frame and grate installed.
 - b) GPS coordinates of catch basin (if catch basin was moved for any reason).
18. Update both the CMMS and the GIS for each catch basin repaired/retrofitted with the work order information.

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:

City of Camden
Department of Public Works
101 Newton Avenue
Camden, NJ 08102

NOTE

This site is located in a combined sewer system area

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 - stored indoor, not exposed to stormwater
Intermediate products	None - stored indoor, not exposed to stormwater
Final products	None - stored indoor, not exposed to stormwater
Waste materials	None - stored indoor, not exposed to stormwater
By-products	None - stored indoor, not exposed to stormwater
Machinery	None - stored indoor, not exposed to stormwater
Fuel	Three (3) fuel pumps, covered by an overhead canopy
Lubricants	None - stored indoor, not exposed to stormwater
Solvents	None - stored indoor, not exposed to stormwater
Detergents related to municipal maintenance yard or ancillary operations	None - stored indoor, not exposed to stormwater
Other	None - stored indoor, not exposed to stormwater

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

This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).

2. Vehicle Maintenance

This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).

3. On-Site Equipment and Vehicle Washing
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).
4. Discharge of Stormwater from Secondary Containment None
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).
5. Salt and De-Icing Material Storage and Handling
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).
6. Aggregate Material and Construction Debris Storage
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).
7. Street Sweepings, Catch Basin Clean Out and Other Material Storage
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).
8. Yard Trimmings and Wood Waste Management Sites
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).
9. Roadside Vegetation Management
This activity does not take place in a MS4 area, this location is in a combine sewer area (i.e. sanitary and stormwater in a single pipe).

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.

Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard Operations (including Ancillary Operations)	Every year	Rutgers Continuing Education
2. Stormwater Facility Maintenance	Every year	Contracted Service
3. SPPP Training & Recordkeeping	Every year	Public Works
4. Yard Waste Collection Program	Every 2 years	Public Works
5. Street Sweeping	Every 2 years	Contracted Service
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	Contracted Service
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	Contracted Service
8. Waste Disposal Education	Every 2 years	Rutgers Continuing Education
9. Municipal Ordinances	Every 2 years	Public Works
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Rutgers Continuing Education

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.

These services are provided by the Consulting Engineer appointed as the City of Camden Planning Board Engineer. All records are retained at the respective consulting engineer's office.

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 www.nj.gov/dep/stormwater/training.htm.

Indicate the location of the DEP certificate of completion for each reviewer.

These services are provided by the Consulting Engineer appointed as the City of Camden Planning Board Engineer. All records are retained at the respective consulting engineer's office.

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/dwq/msrp_map_aid.htm.

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

Outfall pipes are inspected quarterly. The work orders associated with the outfall inspections are maintained by American Water Contract Services Operations Center at 100 South 17th Street, Camden, NJ 08105.

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.

Stream scouring identified during the quarterly outfall pipes inspections are documented on the respective work order, and referred to the Division of Capital Improvement and Construction Management for inclusion in the City's Capital Improvement Program.

The work orders associated with the outfall inspections are maintained by American Water Contract Services Operations Center at 100 South 17th Street, Camden, NJ 08105.

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) 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.

The program focuses on the detection of illicit connections and elimination of illicit discharges, and illegal dumping within the City.

The Department of Public Works maintains a hot line for complaints, and the Mayor's Office of Constituent Services acts as a clearing house for all complaints received by City agencies.

Any complaint involving an illicit connection or discharge is initially investigated by American Water Contract Services using the DEP's Illicit Connection Inspection Report Form.

The records involving an illicit connection complaint or investigation will be maintained by American Water Contract Services Operations Center at 100 South 17th Street, Camden, NJ 08105.

Outfall Pipe Inspection Procedure

1. Print maps of stormwater outfalls.
2. Before going out each day, note recent precipitation data on each outfall inspection report.
3. Gather all necessary equipment including:
 - a) Pen/Pencil
 - b) Clipboard
 - c) Blank outfall inspection sheets (ensure there are enough for the day)
 - d) Manhole hook
 - e) Camera (the camera on a phone is fine)
 - f) Means to locate the outfalls (maps or mobile device from step 1)
4. Conduct inspections during dry weather periods.
5. Whenever possible, use the same personnel for consistency in observations.
6. Locate the outfall.
7. Begin outfall inspection.
8. Visually check:
 - a) Outfall Attributes - Obtain any information missing from the outfall record
 - b) Outfall Condition Assessment - Damage to outfall pipe/structure and erosion of the stream bank in the vicinity of the outfall pipe/structure
 - c) Physical Discharge – Flow, odors, color, and floatables (see Visual Inspection of Outfall Physical Conditions).
9. If an illicit discharge (such as raw sewage, petroleum products, paint, etc.) is encountered or suspected, follow the Illicit Discharge Procedure.
10. If deemed necessary, samples of any flow may be collected and analyzed.
11. Note any of the indicated items that are present.
12. Complete the Outfall Inspection Form.
13. Once finished, secure the Outfall Inspection Form with all other completed inspection forms.

Visual Inspection of Outfall Physical Conditions

Color	Observed Conditions	Possible Problems	Possible Causes
	Muddy, Cloudy	Indicates elevated levels of suspended solids giving the water a muddy or cloudy appearance.	Erosion is the most common source. Land use associated with soil erosion include mining, farming, construction, and unpaved roads.
	Dark Reds, Purple, Blues, Blacks	May indicate organic dye pollution	Originating from clothing manufacture or textile mills.
	Orange-Red	May indicate the presence of copper or iron	Copper can be both a pollutant and naturally occurring.
	Blue	May indicate the presence of copper which can cause skin irritations and death of fish	Copper is sometimes used as a pesticide in which case an acrid (sharp) odor might also be present.
	Foam	May indicate the presence of soap or detergent.	<u>Excessive</u> foam is usually the result of soap and detergent pollution. Moderate levels of foam can also result from decaying algae, which indicates nutrient pollution.
	Multi-colored (oily sheen)	Indicates the presence of oil or gasoline floating on the surface of the water. Oil and gasoline can cause poisoning, internal burning of the gastrointestinal tract and stomach ulcers	Oil and gasoline pollution can be caused by leaks in fuel lines and underground tanks, automotive junk yards, nearby service stations, wastes from boats, or runoff from roads and parking lots.
	No Unusual Color	Not necessarily an indicator of clean water	Many pesticides, herbicides, chemicals, and other pollutants are colorless or produce no visible signs of contamination.

Odors	Observed Conditions	Possible Problems	Possible Causes
	Sulfur (rotten eggs)	May indicate the presence of organic pollution	Possible domestic or industrial waste.
	Musty	May indicate presence of organic pollution	Possible sewage discharge, livestock waste, decaying algae, or decomposition of other organic pollution.
	Harsh	May indicate presence of chemicals	Possible industrial or pesticide pollution.
	Chlorine	May indicate the presence of over chlorinated effluent	Sewage treatment plant or a chemical industry.
	No unusual smell	Not necessarily an indicator of clean water.	Many pesticides and herbicides from agriculture and forestry runoff are colorless and odorless as are many chemicals discharged by industry.

Vegetation	Observed Conditions	Possible Problems	Possible Causes
	Excessive plant growth	Overgrown area	Fertilizers from residential or farm areas; nutrients from food wastes.
	Inhibited plant growth	Dead, dying plants	Industrial discharges; High or Low pH water; scour from high flows (not pollution).



Outfall Inspection Report

General Outfall Information			
Outfall ID:			Date:
Outfall Location:			
Outfall GPS Data:	Latitude:	Longitude:	Receiving Water:
Photos taken:	<input type="checkbox"/> No	<input type="checkbox"/> Yes, taken by:	File Name:
Weather Information			
Air Temperature:	°F		Precipitation (last 24 hours): inches
Cloud Conditions:	<input type="checkbox"/> Clear	<input type="checkbox"/> Overcast	<input type="checkbox"/> Other, (describe)
Outfall Attributes			
Ditch Outfall:	<input type="checkbox"/> Ditch/Swale		Ditch Width (in.): Ditch Depth (in.):
Pipe Outfall:	<input type="checkbox"/> Pipe/Culvert		Pipe Size (inches): Pipe length (feet):
	<input type="checkbox"/> Circular	<input type="checkbox"/> Box Culvert	<input type="checkbox"/> Elliptical <input type="checkbox"/> Arch <input type="checkbox"/> Other
	If Other, describe:		
Pipe Material:	<input type="checkbox"/> Aluminum	<input type="checkbox"/> Iron	<input type="checkbox"/> Steel <input type="checkbox"/> RCP <input type="checkbox"/> CMP
	<input type="checkbox"/> PVC	<input type="checkbox"/> Clay	<input type="checkbox"/> Other (describe)
Weir Type:	<input type="checkbox"/> None	<input type="checkbox"/> V-notch	<input type="checkbox"/> Broad-crested <input type="checkbox"/> Trapezoidal
Outfall Condition Assessment			
Outfall Damage:	<input type="checkbox"/> No	<input type="checkbox"/> Yes (identify):	<input type="checkbox"/> Cracking <input type="checkbox"/> Spalling <input type="checkbox"/> Corrosion
	Other, describe:		
Visible Erosion:	<input type="checkbox"/> No	<input type="checkbox"/> Yes (identify):	<input type="checkbox"/> Undercutting <input type="checkbox"/> Sediment Delta <input type="checkbox"/> Other
	If Other, describe:		
Physical Discharge Information			
Flow:	<input type="checkbox"/> None (dry)	<input type="checkbox"/> Yes (flowing)	If yes, depth of flow: inches
Noticeable Odors:	<input type="checkbox"/> None		
	<input type="checkbox"/> Sulfur (rotten eggs) - Possible domestic/industrial waste.		<input type="checkbox"/> Harsh - Possible industrial/pesticide.
	<input type="checkbox"/> Musty - Possible sewage discharge/organic pollution.		<input type="checkbox"/> Petroleum - Possible industrial pollution.
	<input type="checkbox"/> Other (describe):		
Discharge Color:	<input type="checkbox"/> None (clear)		
	<input type="checkbox"/> Muddy/Cloudy - Indicates elevated suspended solids.		<input type="checkbox"/> Blue - May indicate presence of copper.
	<input type="checkbox"/> Dark Reds, Purple, Blues, Blacks - May indicate presence of organic dyes.		
	<input type="checkbox"/> Orange-Red - Indicates presence of copper and/or iron.		<input type="checkbox"/> Foam - May indicate presence of soaps.
	<input type="checkbox"/> Multi-colored (oily sheen) - May indicate presence of petroleum products.		
	<input type="checkbox"/> Other (describe):		
Floatables:	<input type="checkbox"/> None (clear)	<input type="checkbox"/> Trash	<input type="checkbox"/> Organic Materials (leaves, grass, twigs, etc...)
	<input type="checkbox"/> Other (describe):		
Discharge Analysis (if applicable)			
Specific Conductivity:	μS/cm	Water Temp.: °F	pH:
Inspection Comments/Notes			

Illicit Discharge Detection & Elimination - Citizen Initiated Investigation

1. Use the "Illicit Discharge Incident Tracking Sheet" to collect the appropriate information from the citizen OR receive such information from the Department of Public Works Hotline: 856-757-7034.
2. Forward the incident report to the Director of Public Works, or if unavailable, to the Assistant Director of Public Works.
3. The Director of Public Works, or if unavailable, the Assistant Director of Public Works will promptly dispatch the appropriate personnel to investigate reported incident.
4. If an illicit discharge of unknown source is confirmed, the standard operating procedure for IDDE - Illicit Discharge Source Tracking will be followed.
5. If the source of an illicit discharge is known or identified, the standard operating procedure for IDDE - Illicit Discharge Source Tracking will be followed.
6. Review incidents reported by citizens on an annual basis to look for patterns of illicit discharges and to evaluate the citizen-initiated inspection program.
7. File all completed forms.
8. Document any further action that was taken.
9. Document training of employees.

Illicit Discharge Detection & Elimination - Employee Initiated Investigation

1. Call immediate Supervisor, or if unavailable, the Department of Public Works Hotline: 856-757-7034, when evidence of an illicit discharge is observed.
2. Assess the general area of the illicit discharge to see if its source is apparent.
3. Whenever possible, take photographs of the suspected illicit discharge.
4. The Director of Public Works, or if unavailable, the Assistant Director of Public Work will investigate and complete the following:
5. Use the "Illicit Discharge Incident Tracking Sheet" to document observations.
6. Obtain a sample for visual observation and complete an "Outfall Inspection Form," if applicable.
7. Follow the standard operating procedure for IDDE - Illicit Discharge Source Tracking.
8. Review incidents reported by employees on an annual basis to look for patterns of illicit discharges and to evaluate the employee-initiated inspection program.
9. File all completed forms.
10. Document any further action that was taken.
11. Document training of employees.

Illicit Discharge Detection & Elimination - Outfall Inspection

1. Perform an inspection of the outfalls as prescribed in standard operating procedure for Outfall Pipe Inspection.
2. File all completed forms.
3. Document training of employees.

Illicit Discharge Detection & Elimination - Illicit Discharge Source Tracking

1. As a first step, inspect the general area and surrounding properties to identify potential sources of the illicit discharge.
2. Next, trace the illicit discharge using visual inspections of upstream points.
3. Use available mapping to identify tributary streams, pipes, catch basins, etc.
4. If the source of the illicit discharge cannot be determined by a survey of the area or observation of the storm drainage system, consider the following additional steps:
5. Use weirs, sandbags, dams, or optical brightener monitoring traps to collect or pool intermittent discharges during dry weather.
6. Smoke test or televise the storm drainage system to trace high priority, difficult-to-detect illicit discharges.
7. Dye-test individual discharge points within suspected buildings.
8. Consider collecting bacterial samples of flowing discharges to confirm/refute illicit discharge.
9. If the source is located, follow standard operating procedure for IDDE - Removing an Illicit Discharge.
10. If the source cannot be found, add the location to a future inspection program.
11. Document tracking results for future reference.
12. Document repairs, corrections, and any other actions required.
13. Document training of employees.

Illicit Discharge Detection & Elimination - Removing an Illicit Discharge

1. Suspend access to any nearby stormwater inlets if illicit discharge has the potential to enter the MS4.
2. Obtain available property ownership information for the source of the illicit discharge.
3. Direct responsible party to initiate corrections/cleanup.
4. Coordinate with the appropriate enforcement official for escalating penalties in accordance with the City's Illicit Discharge Ordinance.
5. Seek technical assistance from the New Jersey Department of Environmental Protection, if needed.
6. Clean receiving drainage inlet or initiate spill response, as applicable. Follow relevant SOPs.
7. Remove all cleaning materials and products once illicit discharge has been rectified.
8. Confirm illicit discharge is removed or eliminated by follow-up inspection.
9. Maintain records of notices of violation and penalties.
10. Document corrections, and any other actions required.
11. Document training of employees.



IDEE Tracking Form

Date Illicit Discharge Observed/Reported: _____

Alleged Illicit Discharge Observed/Reported by: _____

Description of Alleged Illicit Discharge: _____

Date of Investigation: _____

Person(s) conducting Investigation: _____

Was Illicit Discharge found? Yes ☐ No ☐

If "Yes", describe: _____

Was Illicit Discharge resolved? Yes ☐ No ☐

If "Yes", explain how it was resolved (include any personnel or outside parties contacted or involved):

If "No", explain why (include any personnel or outside parties contacted or involved):

Is any follow-up required? Yes ☐ No ☐

If "Yes", explain: _____

Date Investigation closed: _____

Attach any photos to this form and retain for records

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.

Catch Basin Cleaning

1. Issue a Work Order for each catch basin to be inspected or cleaned.
2. Establish "Safe Work Zone" protection prior to commencing work.
3. Perform visual inspection of catch basin, access if repairs are required.
4. Clean structure grate with hand tools, removing accumulated trash, debris, and sediment.
5. Clean in the direction of normal flow (upstream to downstream).
6. Clean interior of the structure using the "Catch Basin" truck and hand tools.
7. If sediment depth of the lateral is greater than 20% of the pipe diameter, contact Supervisor to deploy a high powered Jet-Vacuum truck to clean the lateral.
8. Move the "Catch Basin" truck downstream to next catch basin.
9. Store collected materials in the bed of the "Catch Basin" truck, transport to the Vesper Yard, and place them in the designated container for disposal.
10. Remove any hand tools from site.
11. If a vacuum truck was used, transport the collected materials to the Vesper Yard, and place them in the designated area for dewatering and disposal.
12. Complete a work order for structure cleaned including date, location, individuals involved in cleaning, and a description of the type of material/debris removed.
13. Note any observed deficiencies on the work order for correction or repair.
14. Record the amount of collected material.

Stormwater Manhole/Pipe Cleaning

1. Issue a Work Order for each man hole or section of pipe to be inspected or cleaned.
2. Establish "Safe Work Zone" protection prior to commencing work.
3. Clean manholes when there is a blockage of the stormwater channel.
4. Clean piping when the sediment accumulation is excess of 20% of the pipe diameter
5. Utilize a high powered Jet-Vacuum truck to clean the man holes and pipe.
6. Cleaning should be performed in a way that ensures removed sediment and water is not discharged back into the storm sewer.
7. Install downstream debris traps (where applicable) before cleaning and then remove material.
8. If root obstructions are found inside storm sewer pipes, note on Work Order for corrective action. Do not put root-dissolving chemicals in storm sewer pipes.
9. Move truck downstream to next man hole/section of pipe.
10. Remove any hand tools from site.

11. Transport the collected materials to the Vesper Yard, and place them in the designated area for dewatering and disposal.
12. Complete a work order for cleaning.
13. Note any observed deficiencies on the work order for correction or repair.
14. Record the amount of collected material.

Detention Basin Cleaning

1. Develop an inventory of all stormwater detention basins.
2. Develop a map of all stormwater detention basins.
3. Develop a schedule to systematically inspect and clean all stormwater detention basins.
4. Develop specific stormwater detention inspection and cleaning SOPs.
5. Train all appropriate personnel on the SOPs.
6. Repair any stormwater detention basin identified as deficient during inspection and cleaning activities.

See Standard Operating Procedures (SOPs) for maintenance methodology.

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

For privately owned facilities (including catch basins) the operation and maintenance is the responsibility of the property owner.

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.

The work orders associated with the inspections and maintenance of the municipally owned stormwater facilities are maintained by American Water Contract Services Operations Center at 100 South 17th Street, Camden, NJ 08105.

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 (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/.

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/dwq/msrp-tmdl-rh.htm, list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

The City is not within a Regional Stormwater Management Planning Area and no TMDLs have been developed for waters within the City; therefore this plan does not need to be consistent with any regional stormwater management plans (RSWMPs) or any TMDLs at this time.

If any RSWMPs or TMDLs are developed in the future, this Plan will be updated to be consistent.

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

The City is not within a Regional Stormwater Management Planning Area and no TMDLs have been developed for waters within the City; therefore this plan does not need to be consistent with any regional stormwater management plans (RSWMPs) or any TMDLs at this time.

If any RSWMPs or TMDLs are developed in the future, this Plan will be updated to be consistent.

SPPP Form 15 Optional Measures

All records must be available upon request by NJDEP.

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. See Appendix B
2. Has the permittee adopted a Refuse Container/Dumpster Ordinance? Yes. Chapter 215. DUMPSTERS <u>§ 215-2. Use regulations.</u>



State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code - 401-02B
Water Pollution Management Element
Bureau of Nonpoint Pollution Control
P.O. Box 420 - 401 E. State St.
Trenton, NJ 08625-0420
Tel: (609) 633-7021 / Fax: (609) 777-0432
http://www.state.nj.us/dep/dwq/bnpc_home.htm

BOB MARTIN
Commissioner

December 8, 2017

SENT VIA EMAIL to: PaKeatin@ci.camden.nj.us

Patrick Keating
CAMDEN CITY
PO BOX 95120 - CITY HALL
CAMDEN, NJ 08101

Re: Stormwater Discharge General Permit Authorization Renewal
Category: R9 -Tier A Municipal Stormwater General Permit
NJPDES: NJG0153338 / PI ID #: 171564
CAMDEN CITY
Camden City, Camden County

Dear Stormwater Program Coordinator:

Enclosed is New Jersey Pollutant Discharge Elimination System (NJPDES) Authorization to Discharge No. NJG0153338 (Category R9 -Tier A Municipal Stormwater General Permit) issued under the authority of Stormwater NJPDES Master General Permit No. NJ0141852 (Tier A Permit).

The permit and associated documents are posted at http://www.nj.gov/dep/dwq/tier_a.htm, where you can find a copy of the Tier A Permit, and a Response to Comments document, which includes a summary of the significant and relevant comments received during the Tier A Permit public comment period, the Department's responses, and an explanation of any changes from the draft action. In addition, you can also find a crosswalk which provides a detailed comparison of changes from 2009 to this 2017 permit, and a Frequently Asked Questions document. These documents will be useful in understanding your renewed Authorization.

If you have any questions or comments regarding the above referenced action, please contact Timothy Ebersberger by telephone at 609-633-7021.

Sincerely,

James J. Murphy, Chief
Bureau of Nonpoint Pollution Control

C: Water Compliance and Enforcement Regional Office



Mail Code - 401-02B
Bureau of Nonpoint Pollution Control
Water Pollution Management Element
PO Box 420
Trenton, NJ 08625-0420
Phone: (609) 633-7021
Fax: (609) 777-0432

AUTHORIZATION TO DISCHARGE
R9 -Tier A Municipal Stormwater General Permit

Facility Name: CAMDEN CITY

Permit Number: NJG0153338

Program Interest No.: 171564

Facility Address:
520 MARKET ST
CAMDEN, NJ 08101

Type of Activity: Stormwater Discharge General Permit Authorization Renewal

Owner:
CAMDEN CITY
PO BOX 95120 - CITY HALL
CAMDEN, NJ 08101


Operating Entity:
CAMDEN CITY
PO BOX 95120 - CITY HALL
CAMDEN, NJ 08101

Issuance Date:
12/08/2017

Effective Date:
01/01/2018

Expiration Date:
12/31/2022

Your Request for Authorization under NJPDES General Permit No. NJ0141852 has been approved by the New Jersey Department of Environmental Protection.



James J. Murphy, Chief
Bureau of Nonpoint Pollution Control

Date: 12/08/2017

(Terms, conditions and provisions attached hereto)

Division of Water Quality

PART I GENERAL REQUIREMENTS: NJPDES

A. General Requirements of all NJPDES Permits

1. Requirements Incorporated by Reference

- a. The permittee shall comply with all conditions set forth in this permit and with all the applicable requirements incorporated into this permit by reference. The permittee is required to comply with the regulations, including those cited in paragraphs b. through e. following, which are in effect as of the effective date of the final permit.
- b. General Conditions
 - Penalties for Violations N.J.A.C. 7:14-8.1 et seq.
 - Incorporation by Reference N.J.A.C. 7:14A-2.3
 - Toxic Pollutants N.J.A.C. 7:14A-6.2(a)4i
 - Duty to Comply N.J.A.C. 7:14A-6.2(a)1 & 4
 - Duty to Mitigate N.J.A.C. 7:14A-6.2(a)5 & 11
 - Inspection and Entry N.J.A.C. 7:14A-2.11(e)
 - Enforcement Action N.J.A.C. 7:14A-2.9
 - Duty to Reapply N.J.A.C. 7:14A-4.2(e)3
 - Signatory Requirements for Applications and Reports N.J.A.C. 7:14A-4.9
 - Effect of Permit/Other Laws N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
 - Severability N.J.A.C. 7:14A-2.2
 - Administrative Continuation of Permits N.J.A.C. 7:14A-2.8
 - Permit Actions N.J.A.C. 7:14A-2.7(c)
 - Reopener Clause N.J.A.C. 7:14A-6.2(a)10
 - Permit Duration and Renewal N.J.A.C. 7:14A-2.7(a) & (b)
 - Consolidation of Permit Process N.J.A.C. 7:14A-15.5
 - Confidentiality N.J.A.C. 7:14A-18.2 & 2.11(g)
 - Fee Schedule N.J.A.C. 7:14A-3.1
 - Treatment Works Approval N.J.A.C. 7:14A-22 & 23
- c. Operation And Maintenance
 - Need to Halt or Reduce not a Defense N.J.A.C. 7:14A-2.9(b)
 - Proper Operation and Maintenance N.J.A.C. 7:14A-6.12
- d. Monitoring And Records
 - Monitoring N.J.A.C. 7:14A-6.5
 - Recordkeeping N.J.A.C. 7:14A-6.6
 - Signatory Requirements for Monitoring Reports N.J.A.C. 7:14A-6.9
- e. Reporting Requirements
 - Planned Changes N.J.A.C. 7:14A-6.7
 - Reporting of Monitoring Results N.J.A.C. 7:14A-6.8
 - Noncompliance Reporting
 - Hotline/Two Hour & Twenty-four Hour Reporting N.J.A.C. 7:14A-6.10 & 6.8(h)
 - Written Reporting N.J.A.C. 7:14A-6.10(c) & (d)
 - N.J.A.C. 7:14A-6.10(e) & (f) & 6.8(h)
 - Duty to Provide Information N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
 - Schedules of Compliance N.J.A.C. 7:14A-6.4
 - Transfer N.J.A.C. 7:14A-6.2(a)8 & 16.2

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

- a. The Stormwater Management rules at N.J.A.C. 7:8.
- b. Conditions for General Permits at N.J.A.C. 7:14A-6.13, including the Department's authority to require, for due cause, a Tier A Municipality to apply for and obtain a different stormwater permit for specific activities otherwise authorized under this permit.
- c. Additional Conditions applicable to UIC permits at N.J.A.C. 7:14A-8.9, UIC Corrective Action (N.J.A.C. 7:14A-8.11) and UIC Operating Criteria (N.J.A.C. 7:14A-8.16).
- d. Conditions for reopening and modification of small MS4 permits at N.J.A.C. 7:14A-16.4(b) and N.J.A.C. 7:14A-25.7(b).
- e. Requirements for Discharges to Ground Water at N.J.A.C. 7:14A-7.
- f. National Pollutant Discharge Elimination System (NPDES) Electronic Reporting rule at 40 CFR Part 127.

B. General Conditions

1. Notification of Non-Compliance

- a. The Tier A Municipality shall notify the Department of any non-compliance when required by N.J.A.C. 7:14A-6.10 by contacting the DEP Hotline at 1-877-WARN-DEP.

2. Discharge of Pollutants

- a. For discharges authorized by this permit, the Tier A Municipality is exempt from N.J.A.C. 7:14A-6.2(a)2. This exemption means that the discharge of any pollutant not specifically regulated in this NJPDES permit or listed and quantified in the RFA shall not constitute a violation of the permit.

3. Standard Reporting Requirements – Electronic Reporting of NJPDES Information

- a. Unless already required by this permit to be submitted electronically by an earlier date, effective December 21, 2020, the below identified documents and reports shall be electronically submitted via the Department's designated electronic submission service:
 - i. General permit authorization requests (i.e. RFAs);
 - ii. General permit termination/revocation requests; and
 - iii. Municipal separate storm sewer system (MS4) program reports (see Part IV.G).

4. Other Regulatory Requirements

- a. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed or revoked by the Department.
- b. The issuance of this permit shall not be considered as a waiver of any applicable federal, State or local rules, regulations and ordinances.
- c. In accordance with N.J.A.C. 7:14A-6.2(a)7, this permit does not authorize any infringement of State or local law or regulations, including, but not limited to, N.J.A.C. 7:50 (the Pinelands rules), N.J.A.C. 7:1-E (Discharges of Petroleum and other Hazardous Substances), regulations concerning threatened and endangered species and their designated critical habitat, and other Department rules. No discharge of hazardous substances (as defined in N.J.A.C. 7:1E-1.6) resulting from an onsite spill shall be deemed to be "pursuant to and in compliance with this permit" within the meaning of the Spill Compensation and Control Act at N.J.S.A. 58:10-23.11c.
- d. While the Tier A Municipality is required to comply with applicable operation and maintenance requirements of N.J.A.C. 7:14A-6.12(a), the Tier A Municipality is exempt from the operations and maintenance manual requirements of N.J.A.C. 7:14A-6.12(c). This exemption applies only to discharges authorized under this permit and does not alter the operation and maintenance requirements for municipally or privately owned stormwater facilities specified in this permit or N.J.A.C. 7:8.

C. Eligibility

1. Permit Scope

- a. The Tier A MS4 NJPDES Permit applies to all areas of New Jersey as follows:
 - i. This permit applies to all municipalities assigned to Tier A under N.J.A.C. 7:14A-25.3(a)1. Tier A Municipalities are generally located within the more densely populated regions of the state or along or near the Atlantic coast.
 - ii. On a case-by-case basis, the Department may use this permit to regulate municipalities assigned to Tier B under N.J.A.C. 7:14A-25.3(a). As used in this permit, the term "Tier A Municipality" includes Tier B Municipalities that seek or obtain authorization under this provision of this permit.
- b. This permit applies to the owner or operator of the Municipal Separate Storm Sewer System (MS4) meaning the Tier A Municipality. The owner or operator is responsible for ensuring compliance with this permit.
- c. The short title of this permit is the "Tier A MS4 NJPDES permit."

2. Authorized Discharges Under the Tier A MS4 NJPDES Permit

- a. Eligible Stormwater Discharges – Except as provided in Part II.C.3 below, this permit authorizes all new and existing stormwater discharges to surface water and groundwater from:
 - i. Small MS4s (as defined at N.J.A.C. 7:14A-1.2) owned or operated by Tier A Municipalities; and
 - ii. Municipal maintenance yards and other ancillary operations (see Part IV.B.5.c) owned or operated by Tier A Municipalities.

- b. Eligible Non-Stormwater Discharges – Except as identified in Part II.C.3.e below, the following new and existing non-stormwater discharges from small MS4s owned or operated by Tier A Municipalities and from Municipal maintenance yards and other ancillary operations (see Part IV.B.5.c) owned or operated by Tier A Municipalities are eligible for authorization under this permit:
- i. Potable water line flushing and discharges from potable water sources, excluding the discharge of filter backwash and first flush water from potable well development/redevelopment activities utilizing chemicals in accordance with N.J.A.C. 7:9D. The volume of first flush water, which is a minimum of three times the volume of the well water column, shall be handled and disposed of properly;
 - ii. Uncontaminated ground water (e.g. infiltration, crawl space or basement sump pumps, foundation or footing drains, rising ground waters);
 - iii. Air conditioning condensate (excluding contact and non-contact cooling water; and industrial refrigerant condensate);
 - iv. Irrigation water (including landscape and lawn watering runoff);
 - v. Flows from springs, riparian habitats, wetlands, water reservoir discharges and diverted stream flows;
 - vi. Residential car washing water; and dechlorinated swimming pool discharges from single family residential homes;
 - vii. Sidewalk, driveway and street wash water;
 - viii. Flows from firefighting activities including the washing of fire fighting vehicles;
 - ix. Flows from clean water rinsing of beach maintenance equipment immediately following use and only if the equipment is used for its intended purpose;
 - x. Flows from clean water rinsing of equipment and vehicles used in the application of salt and de-icing materials. Prior to rinsing, all equipment shall be cleaned using dry methods such as shoveling and sweeping. Recovered materials are to be returned to storage or properly discarded; and
 - xi. Rinsing of equipment in Part II.C.2.b.ix and x, above is limited to exterior, undercarriage, and exposed parts and does not apply to engines or other enclosed machinery.

3. Discharges Not Authorized Under the Tier A MS4 NJPDES Permit

- a. Stormwater Discharges Associated with Industrial Activity
- i. The Tier A MS4 NJPDES Permit does not authorize “stormwater discharge associated with industrial activity” as defined in N.J.A.C. 7:14A-1.2 except as otherwise specifically provided in this permit.
 - ii. Types of facilities that a Tier A Municipality might operate and that are considered to be engaging in “industrial activity” include but are not limited to certain: 1) landfills; 2) transportation facilities (including certain local passenger transit and air transportation facilities); 3) facilities handling domestic sewage or sewage sludge; and 4) steam electric power generating facilities.

- iii. Any municipality that operates an industrial facility with such a discharge must submit a separate Request for Authorization (RFA) or individual permit application for that discharge (see www.nj.gov/dep/dwq/forms_storm.htm). An RFA submitted for the Tier A MS4 NJPDES Permit does not qualify as an RFA for such a discharge.
- iv. Yard Trimmings and Wood Waste Management Sites that are not owned and operated by the Tier A Municipality.
- b. Stormwater Discharges Associated with Construction Activity
 - i. The Tier A MS4 NJPDES Permit does not authorize "stormwater discharges associated with construction activity" as described in N.J.A.C. 7:14A-24.10(a). In general, this is the discharge to surface water of stormwater from construction activity that disturbs at least one acre.
 - ii. Any municipality that operates a construction site with such a discharge shall submit a separate RFA under NJPDES Permit No. NJ0088323 (General Stormwater Permit Construction Activity, see www.nj.gov/dep/dwq/5g3.htm), or an application for an individual permit for that discharge. An RFA submitted for the Tier A MS4 NJPDES Permit does not qualify as an RFA for such a discharge. See Part IV.B.3 of the Tier A MS4 NJPDES Permit.
- c. Stormwater Discharges Authorized under Another NJPDES Permit
 - i. The Tier A MS4 NJPDES Permit does not authorize any stormwater discharge that is authorized under another NJPDES permit.
 - ii. A Tier A Municipality does not have to implement measures contained in this NJPDES permit for stormwater discharges at facilities owned or operated by that municipality that are regulated under a separate NJPDES stormwater permit authorizing those discharges.
- d. Stormwater Discharges that Conflict with a Water Quality Management Plan
 - i. The Tier A MS4 NJPDES Permit does not authorize stormwater discharges from projects or activities that conflict with an adopted Areawide or Statewide Water Quality Management Plan.
- e. Non-Stormwater Discharges that are Contributors of Pollutants
 - i. If any of the discharges listed in Part II.C.2.b above are identified by the Tier A Municipality as a significant contributor of pollutants to or from the MS4, the Tier A Municipality must address the discharge as an illicit connection or as an improper disposal of waste as specified in Part IV.B.6 of this permit.

D. Administrative Process

1. Automatic Renewal of Authorizations

- a. Upon reissuance of this general permit, existing authorizations shall be automatically renewed as provided by N.J.A.C. 7:14A-6.13(d)9 and 25.4(a)3 using the information provided in the permittees' most recently submitted RFA.

2. Notification of Changes

- a. A Tier A Municipality shall provide a corrected RFA to the Department within 90 days of the effective date of a renewed authorization under this general permit if any information in its most recently submitted RFA is no longer true, accurate, and/or complete.
- b. The Tier A Municipality shall notify the Department of any changes of its Municipal Stormwater Program Coordinator information using www.nj.gov/dep/dwq/pdf/msrp_update_form.pdf

- c. A Tier A Municipality that already has authorization to discharge from a small MS4 under the Tier A permit does not need to submit an RFA for the expansion (e.g. new residential development) of an existing small MS4.

3. Requests for Authorization (RFA, see www.nj.gov/dep/dwq/forms_storm.htm)

- a. New RFAs under the Tier A MS4 permit
 - i. A single RFA is required for the entire eligible discharge from the small MS4 owned or operated by and located within a single municipality. Multiple RFAs are not required for multiple municipal operations (e.g., municipally owned and operated maintenance yards or other ancillary operations, facilities, garages, and/or offices).
 - ii. An RFA shall include at a minimum: the name and address of the municipality; the name and address of the Municipal Stormwater Program Coordinator; a certification acknowledging the best management practices and measurable goals specified in the permit; and any other information as required by the Department.
- b. Upon receipt of an RFA the Department may, in accordance with N.J.A.C. 7:14A-6.13, do one of the following:
 - i. Issue notification of authorization under this permit;
 - ii. Deny authorization under this permit and require submittal of an application for an individual permit; or
 - iii. Deny authorization under this permit and require submittal of an RFA for another general permit.
- c. Reassignment of Municipality to Tier A
 - i. If a municipality receives notice from the Department (pursuant to N.J.A.C. 7:14A-25.3(a)(3)) that it has been reassigned from Tier B to Tier A (pursuant to N.J.A.C. 7:14A-25.3(a)(1) and (2)), the deadline to submit an RFA is 180 days after the receipt of that notice, unless the Department approves a later date.

CAMDEN CITY
Camden City

Permit No. NJG0153338
DST170001

Stormwater Discharge General Permit Authorization Renewal

PART III

Recordkeeping and Reporting

The Tier A Municipality shall keep records necessary to document, in the Annual Report and Certification, the status of compliance with the conditions of this permit. The requirement to keep records and to submit an Annual Report and Certification is found at Part IV.G of this permit.

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Notes and Definitions

A. Footnotes

1. Acronyms

- a. Stormwater acronyms included in this permit are as follows:
 - i. "BMP" - Best Management Practice
 - ii. "CFR" - Code of Federal Regulations
 - iii. "EDPA" - Effective Date of Permit Authorization
 - iv. "MS4" - Municipal Separate Storm Sewer System
 - v. "MSWMP" - Municipal Stormwater Management Plan
 - vi. "MSRP" - Municipal Stormwater Regulation Program
 - vii. "MTD" - Manufactured Treatment Device
 - viii. "N.J.A.C." - New Jersey Administrative Code
 - ix. "NJPDES" - New Jersey Pollutant Discharge Elimination System
 - x. "N.J.S.A." - New Jersey Statutes Annotated
 - xi. "RSIS" - Residential Site Improvement Standards
 - xii. "SPPP" - Stormwater Pollution Prevention Plan
 - xiii. "TMDL" - Total Maximum Daily Load

2. Internal Cross References

- a. For the purposes of this permit:
 - i. References to Part IV Notes and Definitions are preceded with the words "Notes and Definitions" (e.g. Notes and Definitions Part IV.A.1 refers to Acronyms).
 - ii. References to Part IV Tier A MS4 NJPDES Permit are not preceded by descriptive text (e.g. Part IV.A.1 refers to Overview of the Tier A MS4 NJPDES Permit).

3. Department Resources for Guidance Relating to MS4 Issues

- a. MS4 main website and related links: www.nj.gov/dep/dwq/msrp_home.htm
- b. MS4 Tier A Guidance document: www.nj.gov/dep/dwq/tier_a_guidance.htm

Notes and Definitions

- c. Construction Site Stormwater Runoff: www.nj.gov/dep/dwq/5g3.htm
 - d. Snow Removal and Disposal Policy: www.nj.gov/dep/dwq/bnpc_home.htm
 - e. Green Infrastructure and related links: www.nj.gov/dep/gi/
 - f. Stormwater management information and training tools: www.nj.gov/dep/stormwater/
 - g. Public education for stormwater pollution: www.cleanwater.nj.org
 - h. Clean Communities, a statewide litter abatement program: www.njclean.org
 - i. Total Maximum Daily Load (TMDL) information: www.nj.gov/dep/dwq/msrp-tmdl-rh.htm
4. **EPA Resources for Guidance Relating to MS4 Issues**
- a. EPA's MS4 website and related links:
www.epa.gov/npdes/stormwater-discharges-municipal-sources
 - b. EPA's National Menu of Stormwater Best Management Practices:
www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater
 - c. EPA's guidance for Green Infrastructure:
<http://water.epa.gov/infrastructure/greeninfrastructure/index.cfm>
 - d. Guidance from EPA Region 3 for municipalities that wish to improve their municipal stormwater programs: www.epa.gov/npdes/pubs/region3_factsheet_swmp.pdf
 - e. EPA's Trash Free Waters resource page: www.epa.gov/trash-free-waters
 - f. Illicit Discharge Detection and Elimination Guidance
www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf

B. Definitions

1. Definitions

- a. All words and terms used in this permit shall have meanings as defined in the "Regulations Concerning the New Jersey Pollutant Discharge Elimination System" (N.J.A.C. 7:14A), unless otherwise stated or unless the context clearly requires a different meaning.
- b. "Catch Basin" means a cistern, vault, chamber or well that is usually built along a street as part of the storm sewer system to capture sediment, debris, and pollutants.
- c. "Effective Date of Permit Authorization" means the date the permittee's authorization to discharge under this Tier A MS4 NJPDES permit becomes effective. This date may be found on the permittee's Authorization to Discharge.
- d. "Existing permittee" means a municipality that held an authorization to discharge under the Tier A MS4 NJPDES permit on or before December 31, 2017.
- e. "Green infrastructure" means methods of stormwater management that reduce wet weather/stormwater volume, flow, or changes the characteristics of the flow into combined or separate sanitary or storm sewers, or surface waters, by allowing the stormwater to infiltrate, to be treated by vegetation or by soils, or to be stored for reuse. Green infrastructure includes, but is not limited to, pervious paving, bioretention basins, vegetated swales, and cisterns.

- f. "Illicit connection" means any physical or non-physical (i.e. leak, flow, or overflow into the municipal separate storm sewer system) connection that discharges the following to a municipal separate storm sewer system (unless that discharge is authorized under a NJPDES permit other than this Tier A MS4 NJPDES permit);
- i. Domestic sewage;
 - ii. Non-contact cooling water, process wastewater, or other industrial waste (other than stormwater); or
 - iii. Any category of non-stormwater discharges that a permittee for the MS4 identifies as a source or significant contributor of pollutants pursuant to 40 C.F.R. 122.34(b)(3)(iii).
- g. "Maintenance plan" means a maintenance plan pursuant to N.J.A.C. 7:8-5.2(b) and 5.8 prepared by the design engineer for the stormwater management measures incorporated into the design of a major development.
- h. "Major development" means any development that provides for ultimately disturbing one or more acres of land and any additional development defined as "major development" by a municipality's stormwater control ordinance. Disturbance is the placement of impervious surface or exposure and/or movement of soil or bedrock or clearing, cutting, or removing of vegetation. Projects undertaken by any government agency which otherwise meet the definition of "major development" but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered "major development."
- i. "Manufactured treatment device" means a pre-fabricated stormwater treatment structure utilizing settling, filtration, absorptive/adsorptive materials, vortex separation, vegetative components, and/or other appropriate technology to remove pollutants from stormwater runoff.
- j. "Municipal separate storm sewer" means a municipal separate storm sewer as defined in N.J.A.C. 7:14A-1.2.
- k. "Municipality" means a municipality as defined in the Municipal Land Use Law at N.J.S.A. 40:55D-5, that is, any city, borough, town, township, or village.
- l. "New permittee" means a municipality that obtains its first authorization to discharge under the Tier A MS4 NJPDES permit on or after January 1, 2018.
- m. "Permanent structure" means a permanent building or permanent structure that is anchored to a permanent foundation with an impermeable floor, and that is completely roofed and walled (a door is recommended, but not required). A fabric frame structure is a permanent structure if it meets the following specifications:
- i. Concrete blocks, jersey barriers or other similar material shall be placed around the interior of the structure to protect the side walls during loading and unloading of de-icing materials;
 - ii. The design shall prevent stormwater run-on and run through and the fabric cannot leak;
 - iii. The structure shall be erected on an impermeable slab;
 - iv. The structure cannot be open sided; and
 - v. The structure shall have a roll up door or other means of sealing the access way from wind driven rainfall.

- n. "Small MS4" means all municipal separate storm sewers (other than "large" or "medium" municipal separate storm sewer systems as defined in N.J.A.C. 7:14A-1.2) that are:
 - i. Owned or operated by municipalities described under N.J.A.C. 7:14A-25.1(b);
 - ii. Owned or operated by county, State, interstate, or Federal agencies, and located at public complexes as described under N.J.A.C. 7:14A-25.2(a)2;
 - iii. Owned or operated by county, State, interstate, or Federal agencies, and located at highways and other thoroughfares as described under N.J.A.C. 7:14A-25.2(a)3; or
 - iv. Owned or operated by county, State, interstate, Federal, or other agencies, and receive special designation under N.J.A.C. 7:14A-25.2(a)4.
 - v. Note that all MS4s covered under the Tier A MS4 NJPDES permit are "small MS4s".
- o. "Solids and floatable materials" means sediment, debris, trash, and other floating, suspended, or settleable solids as defined at N.J.A.C. 7:14A-25.6(b)3iii.
- p. "Storm drain inlet" means the point of entry into the storm drain system and is, where a catch basin is present, the uppermost portion (or cover) of a catch basin.
- q. "Stormwater" means water resulting from precipitation (including rain and snow) that runs off the land's surface; is transmitted to the subsurface; is captured by separate storm sewers or other sewerage or drainage facilities; or is conveyed by snow removal equipment.
- r. "Stormwater facility" includes, but is not limited to: catch basins, detention basins, retention basins, filter strips, riparian buffers, infiltration trenches, sand filters, constructed wetlands, wet basins, bioretention systems, low flow bypasses, and stormwater conveyances. Stormwater facilities include structural stormwater management measures.
- s. "Stormwater management basin" means an excavation or embankment and related areas designed to retain stormwater runoff. A stormwater management basin may either be normally dry (that is, a detention basin or infiltration basin), retain water in a permanent pool (a retention basin or wet pond), or be planted mainly with wetland vegetation (most constructed stormwater wetlands).
- t. "Stormwater management measure" means any structural or nonstructural strategy, practice, technology, process, program, or other method intended to control or reduce stormwater runoff and associated pollutants, or to induce or control the infiltration or groundwater recharge of stormwater or to eliminate illicit or illegal non-stormwater discharges into stormwater conveyances. Stormwater management measures include stormwater facilities.
- u. "Stream scouring" means the erosion or removal of streambed or bank material by the physical action of flowing water and the sediment that it carries.
- v. "Subsurface infiltration/detention system" means a vault, perforated pipe, and/or stone bed that is located entirely below the ground surface and that temporarily stores and attenuates stormwater runoff."
- w. "Tier A Municipality's MS4" means an MS4 owned and operated by a Tier A Municipality.
- x. "Wood waste" means source separated whole trees, tree trunks, tree parts, tree stumps, brush and leaves provided that they are not composted, and lumber (non-chemically treated and unpainted);
- y. "Yard trimmings" means grass clippings, leaves, wood chips from tree parts, and brush.

z. "Yard waste" means loose leaves and grass clippings.

Tier A Municipal Stormwater General Permit

A. Permit Overview

1. Overview of the Tier A MS4 NJPDES Permit

- a. The Tier A Municipality (i.e. the permittee) is required to develop, update, implement and enforce an MS4 stormwater program. A primary objective of the MS4 stormwater program is to implement best management practices and other measures that are designed to achieve the permit's requirement to reduce the discharge of pollutants from the Tier A Municipality's MS4, municipal maintenance yards and other ancillary operations, to the maximum extent practicable pursuant to N.J.A.C. 7:14A-25.6(a)1 and 40 CFR 122.34(a), to protect water quality, and to satisfy the applicable water quality requirements of the Clean Water Act.

2. Primary Plans Required by the Tier A MS4 NJPDES Permit

- a. The Stormwater Pollution Prevention Plan (SPPP) documents the Tier A Municipality's stormwater program and describes the measures necessary for compliance with the Statewide Basic Requirements as well as any Other Control Measures, Additional Measures and/or Optional Measures (if deemed appropriate). See Part IV.F (SPPP) and Attachment A (Measurable Goals and Implementation Schedule for Existing Permittees) and Attachment A-1 (Measurable Goals and Implementation Schedule for New Permittees).
- b. A significant component of the SPPP is the Municipal Stormwater Management Plan (MSWMP). The MSWMP is also a component of the municipal master plan (N.J.S.A. 40:55D-94). The MSWMP describes the municipality's strategy, structure and process for addressing stormwater runoff from new development and redevelopment to ensure compliance with the Stormwater Management rules (N.J.A.C. 7:8 et seq.). This strategy, structure and process also constitutes much of the post construction stormwater management program in this permit. See Part IV.B.4 (Post Construction). Any MSWMP that complies with N.J.A.C. 7:8 also complies with this condition and Part IV.B.4.f (MSWMP).

3. Summary of Tier A MS4 NJPDES Permit Requirements

- a. The Tier A Municipality shall develop, update, implement and enforce a stormwater program as documented in an SPPP to ensure compliance with:
 - i. The Statewide Basic Requirements. See Part IV.B;
 - ii. Other Control Measures. See Part IV.C;
 - iii. Additional Measures. See Part IV.D; and
 - iv. Optional Measures, if deemed appropriate See Part IV.E.
- b. The Tier A Municipality shall develop, update, implement and maintain a written SPPP in conformance with Attachment A (Measurable Goals and Implementation Schedule for Existing Permittees) and Attachment A-1 (Measurable Goals and Implementation Schedule for New Permittees). See Part IV.A.2.a and IV.F (SPPP).
- c. The Tier A Municipality shall submit an Annual Report and Certification summarizing the status of compliance with this permit. See Part IV.G (Annual Report and Certification).
- d. The Tier A Municipality shall adopt, amend and implement a written MSWMP. See Part IV.A.2.b and B.4.f (MSWMP).

Tier A Municipal Stormwater General Permit

- e. The Tier A Municipality shall modify and update its stormwater program (including applicable plans and ordinances) to conform with applicable new legislation; or new or amended regulations. Such modification shall be completed and effective within 12 months of written notification by the Department of the need for modification.

B. Statewide Basic Requirements and Associated Conditions

1. Minimum Standards for Public Involvement and Participation Including Public Notice

- a. Tier A Municipalities shall comply with applicable State and local public notice requirements when providing for public participation in the development and implementation of a MS4 stormwater program. Requirements include but are not limited to:
 - i. The Open Public Meetings Act ("Sunshine Law," N.J.S.A. 10:4-6 et seq.);
 - ii. Statutory procedures for the enactment of ordinances (N.J.S.A. 40:49-2), including the municipal stormwater control ordinance and other ordinances adopted to comply with Part IV of this permit; and
 - iii. The Municipal Land Use Law concerning the adoption or amendment of the MSWMP (N.J.S.A. 40:55D-13, 28 and 94), and the review of applications for development (N.J.S.A. 40:55D-12). The Tier A Municipality shall also ensure that applicants for development meet the notice requirements of N.J.S.A. 40:55D-12.
- b. Tier A Municipalities shall make elements of its MS4 stormwater program available to the public:
 - i. Provide the current SPPP upon request as required by Part IV.F.1.g (SPPP);
 - ii. Post the current SPPP on its website to the extent required by Part IV.F.1.f (SPPP); and
 - iii. Post the current MSWMP and all ordinances required by this permit on its website or otherwise comply with the notification requirements of N.J.A.C. 7:8-4.4(e). See Part IV.B.4.f (MSWMP), 4.g (Stormwater Control Ordinance), 5.a (Community Wide Ordinances).
- c. The Tier A Municipality may involve another entity (e.g. a watershed association) to satisfy one or more of the Tier A Municipality's NJPDES permit condition(s) (or component thereof) through the implementation of one or more best management practices or control measures. See Part IV.F.4 (Implementation of SPPP Conditions through Shared or Contracted Services).
- d. The Tier A Municipality shall maintain records necessary to demonstrate compliance with the public participation requirements of a, above.
- e. Existing Permittee: An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Public Involvement and Participation specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).

2. Minimum Standards for Local Public Education and Outreach

- a. The Tier A Municipality shall implement a Public Education and Outreach Program that focuses on educational and pollution prevention activities about the impacts of stormwater discharges on surface water and groundwater and to involve the public in reducing pollutants in stormwater and mitigating flow. The Tier A Municipality shall annually conduct activities that total at least 12 points and include activities from at least three of the five categories as set forth in Attachment B (Points System for Public Education and Outreach Activities). At a minimum, at least one of the activities shall involve educating businesses and the general public of hazards associated with illicit connections and improper disposal of waste. Records shall be kept necessary to demonstrate compliance with this requirement, including date of activities and any other relevant documentation.
 - b. The Tier A Municipality shall label all storm drain inlets for those drains that do not have permanent wording cast into the structure of the inlet. The Tier A Municipality shall also maintain the legibility of those labels and replace any labels that are missing or not legible. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for specific measures. This requirement shall include the following:
 - i. All storm drain inlets along sidewalks that are adjacent to municipal streets;
 - ii. All storm drain inlets within plazas, parking areas or maintenance yards that are operated by the municipality.
 - c. The Tier A Municipality shall advertise public involvement program(s) pertaining to education and outreach activities on the municipality's website, through a mailing, through newspaper advertisement, or other similar means.
 - d. Existing Permittee: An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Local Public Education and Outreach specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).
- 3. Minimum Standards for Construction Site Stormwater Runoff**
- a. Construction site stormwater runoff activities are authorized under a separate NJPDES permit, generally the Construction Activity Stormwater General Permit No. NJ0088323 pursuant to N.J.A.C. 7:14A-25.6(b)2 (or an individual permit pursuant to N.J.A.C. 7:14A-24.7(a)2). See Part II.C.3.b and www.nj.gov/dep/dwq/5g3.htm. Pursuant to N.J.A.C. 7:14A-25.7(b), the Tier A Municipality is not required to reference construction site stormwater runoff control in its SPPP.
- 4. Minimum Standards for Post Construction Stormwater Management in New Development and Redevelopment**
- a. The Tier A Municipality shall develop, update, implement and enforce its stormwater management program to address post construction stormwater runoff in new development and redevelopment and to ensure compliance with the Stormwater Management rules at N.J.A.C. 7:8 et seq. In general, the regulations at N.J.A.C. 7:8:
 - i. Contain requirements for stormwater management plans and stormwater control ordinances;
 - ii. Provide information for the adoption and implementation of municipal stormwater management plans and regional stormwater management plans; and
 - iii. Establish design, performance and maintenance standards for stormwater management measures and establish safety standards for stormwater management basins.

- b. The post construction stormwater management program established by the Tier A Municipality shall address stormwater runoff from the following types of major development unless any additional development is defined as "major development" by a municipality's stormwater control ordinance:
 - i. New development and redevelopment projects that disturb one acre or more and are not operated by the municipality (e.g. retail stores, residential complexes);
 - ii. New development and redevelopment projects that disturb one acre or more and are operated by the municipality itself (e.g. town complex); and
 - iii. All new development and redevelopment projects that disturb less than one acre and are part of a larger common plan of development or sale (e.g. phased residential development) that ultimately disturbs one acre or more.
- c. The post construction stormwater management program established by the Tier A Municipality shall require compliance with the applicable design, performance and maintenance standards established under N.J.A.C. 7:8 et seq. for major development as defined in this permit.
- d. The Tier A Municipality shall review and analyze development applications for compliance with Part IV.B.4 (Post Construction) of this permit even if a separate permit is required by the Department for the same or similar activity (e.g. a Land Use permit).
- e. The post construction stormwater management program established by the Tier A Municipality shall ensure that any residential development and redevelopment projects that are subject to the Residential Site Improvement Standards (RSIS) for stormwater management (N.J.A.C. 5:21-7) comply with those standards, including any exception, waiver, or special area standard that was approved under N.J.A.C. 5:21 et seq.
- f. The Tier A Municipality shall adopt, amend and implement a written Municipal Stormwater Management Plan (MSWMP), pursuant to N.J.A.C. 7:8 et seq., to describe the framework of the Tier A Municipality's strategy, structure and process for its post construction stormwater management program.
 - i. The Tier A Municipality shall submit the adopted plan for approval to the County review agency in accordance with N.J.A.C. 7:8-4;
 - ii. The Tier A Municipality shall notify the Department and post the approved plan and any amendments on its website (or otherwise comply with the notification requirements of N.J.A.C. 7:8-4.4(e)) within thirty days of the effective date of the plan. See Part IV.B.1.b.iii (Public Involvement and Participation);
 - iii. The Tier A Municipality shall review and update its MSWMP as necessary, and as a part of the reexamination of its municipal master plan in accordance with N.J.A.C. 7:8-4.3(c) and (d).
- g. In order to implement the post construction stormwater management program, the Tier A Municipality shall adopt, amend, implement and enforce a municipal stormwater control ordinance. The Tier A Municipality shall develop and adopt the contents of the ordinance in accordance with N.J.A.C. 7:8 et seq. A sample stormwater ordinance consistent with the requirements of the Stormwater Management Rules is posted at www.nj.gov/dep/stormwater/bmp_manual2.htm and a sample stormwater ordinance applicable to Pinelands Area Municipalities is posted at www.nj.gov/dep/stormwater/pinelands.htm. The municipal stormwater control ordinance shall include, at a minimum, the following elements:

- i. Control aspects of residential development and redevelopment projects that are not pre-empted by the RSIS;
 - ii. Control stormwater from non-residential development and redevelopment projects, in accordance with the requirements at N.J.A.C. 7:8 et seq.; and
 - iii. Set forth special area standards approved by the Site Improvement Advisory Board for residential development or redevelopment projects under N.J.A.C. 5:21-3.5.
- h. The Tier A Municipality shall only grant a variance or exemption from the design and performance standards for stormwater management measures if the municipality has a mitigation plan which meets the following requirements:
 - i. A mitigation plan must be included in an approved MSWMP and stormwater control ordinance(s). The mitigation plan shall identify measures that are necessary to offset the deficit created by granting the variance or exemption, and can be provided through a menu of design and performance standards with corresponding mitigation projects for different drainage areas within the municipality. See Chapter 3 of the NJ Stormwater BMP Manual at www.nj.gov/dep/stormwater/ for guidance; and
 - ii. The municipality submits, within 30 days after the grant of a variance or exemption, a written report to the county review agency and the Department describing the variance or exemption and the required mitigation. Submit the written report to the Department at:
NJDEP-DWQ-BNPC
Mail Code 401-02B
PO Box 420
Trenton, NJ 08625-0420
- i. The Tier A Municipality shall:
 - i. Enforce, through the stormwater control ordinance(s) or a separate ordinance, compliance with the standards set forth in Attachment C (Design Standards for Storm Drain Inlets) of this permit to control passage of solid and floatable materials through storm drain inlets not installed by the Tier A Municipality; and
 - ii. Comply with the standards set forth in Attachment C (Design Standards for Storm Drain Inlets) of this permit to control passage of solid and floatable materials through storm drain inlets installed by the municipality.
- j. The Tier A Municipality shall ensure adequate long-term cleaning, operation and maintenance of stormwater management measures:
 - i. Pursuant to Part IV.C.1.a (Stormwater Facilities Maintenance), owned or operated by the Tier A Municipality; and
 - ii. Pursuant to Part IV.C.1.b (Stormwater Facilities Maintenance), not owned or operated by the Tier A Municipality.
- k. For each structural and non-structural stormwater measure (e.g. stormwater management basin, subsurface infiltration/detention system, manufactured treatment device, green infrastructure), the Tier A Municipality shall:
 - i. Complete a Major Development Stormwater Summary (as posted on the Department's website at www.nj.gov/dep/dwq/tier_a_forms.htm; courtesy copy provided as Attachment D of this permit) when an application is made to the Tier A Municipality after EDPA;

- ii. Update the Major Development Stormwater Summary while stormwater measures are being installed;
 - iii. Finalize the Major Development Stormwater Summary once certificate of occupancy is issued; and
 - iv. Maintain a completed Major Development Stormwater Summary and make it available to the Department upon request.
- l. The Stormwater Management rules (N.J.A.C. 7:8) and the Residential Site Improvement Standards for stormwater management (N.J.A.C. 5:21-7), independently and as implemented in this permit, apply to all areas of the Tier A Municipality.
- m. Existing Permittee: An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Post Construction Stormwater Management in New Development and Redevelopment specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).

5. Minimum Standards for Pollution Prevention / Good Housekeeping for Municipal Operators

- a. Community Wide Ordinances: The Tier A Municipality shall adopt and enforce the following community wide ordinances to address improper disposal of waste:
- i. Pet Waste Ordinance: Adopt and enforce an ordinance that requires pet owners or their keepers to immediately and properly dispose of their pet's solid waste deposited on any property, public or private, not owned or possessed by that person. Information on the Pet Waste Ordinance and the benefits of proper disposal of pet solid waste shall be distributed with pet licenses. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for a sample ordinance.
 - ii. Wildlife Feeding Ordinance: Adopt and enforce an ordinance that prohibits the feeding of any wildlife (e.g. Canada Geese) in any public park or on any other property owned or operated by the Tier A Municipality. Exclusions include wildlife confined in zoos, parks, or rehabilitation centers as well the following unconfined animals: (1) wildlife at environmental education centers; (2) feral cats as part of an approved Trap-Neuter-Release program; and (3) other kinds of unconfined animals, if any, that the ordinance specifically lists and excludes for reasons set forth in the ordinance. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for a sample ordinance.
 - iii. Litter Control Ordinance: Adopt and enforce a litter ordinance or enforce the existing State litter statute at N.J.S.A 13:1E-99.3. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for a sample ordinance.
 - iv. Improper Disposal of Waste Ordinance: Adopt and enforce an ordinance prohibiting the improper spilling, dumping, or disposal of materials other than stormwater into the MS4 system excluding those discharges as allowable under Part II.C.2.b. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for a sample ordinance.

- v. Containerized Yard Waste/Yard Waste Collection Program Ordinances: (1) Adopt and enforce an ordinance that prohibits placing non-containerized yard wastes (defined as leaves and/or grass clippings) into the street; or (2) develop and implement a non-containerized yard waste collection and disposal program that includes adoption and enforcement of an ordinance that prohibits placing non-containerized yard waste at the curb or along the street within 10 feet of any storm drain inlet and at any time other than a set yard waste collection schedule. The frequency of yard waste pickups shall be determined at the discretion of the Tier A Municipality but shall be part of a set yard waste collection schedule which is noticed to all municipal residents and businesses. Any area, which the municipality determines to have no yard waste, will be exempt from the collections. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for sample ordinances.
- vi. Private Storm Drain Inlet Retrofitting Ordinance: Adopt and enforce an ordinance requiring the retrofitting of existing storm drain inlets on private property to meet the standard in Attachment C (Design Standard for Storm Drain Inlets). Specifically, this ordinance: 1) shall apply to storm drain inlets, on property not owned or operated by the Tier A Municipality (e.g. condominium associations), that are in direct contact (i.e. contiguous) to repaving; repairing (excluding individual pothole repair); resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen); and reconstruction or alteration of facilities; and 2) shall not apply to a residential lot with one single family house. For a sample ordinance see www.nj.gov/dep/dwq/tier_a.htm.
- vii. Additional ordinance requirements of this permit are found at Part IV.B.4.g (Stormwater Control Ordinance) above and Part IV.B.6.d (Illicit Connection Ordinance) below.
- b. Community Wide Measures: The Tier A Municipality shall develop and continue to implement the following community wide pollution prevention/good housekeeping measures to control solids and floatables:
 - i. Street Sweeping: Tier A Municipalities shall sweep, at a minimum of once per month (weather and street surface conditions permitting), all streets (including roads or highways) that meet all of the following criteria: (1) the street is owned or operated by the municipality; (2) the street is curbed and has storm drains; (3) the street has a posted speed limit of 35 miles per hour or less; (4) the street is not an entrance or exit ramp; and (5) the street is in a predominantly commercial area.
 - ii. Catch Basin and Storm Drain Inlet Inspection and Cleaning: The Tier A Municipality shall inspect storm drain inlets and any associated catch basins that it owns or operates and remove sediment, trash, or debris when present. Each catch basin and inlet shall be inspected at least once every five years. The Tier A Municipality shall clean any municipally owned or operated storm drain inlet or catch basin as frequently as necessary to eliminate recurring problems and restore proper function.
 - iii. Tier A Municipality Storm Drain Inlet Retrofit: The Tier A Municipality shall retrofit existing Tier A Municipality owned or operated storm drain inlets that are: (1) in direct contact with any repaving, repairing (excluding individual pothole repair), or resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen); or (2) in direct contact with any reconstruction or alteration of facilities. Storm drain inlet retrofits shall meet the standard in Attachment C (Design Standards for Storm Drain Inlets).

- c. **Municipal Maintenance Yards and Other Ancillary Operations:** The Tier A Municipality shall implement the best management practices described in Attachment E (Best Management Practices for Municipal Maintenance Yards and Other Ancillary Operations) for municipal maintenance yards and other ancillary operations owned or operated by the Tier A Municipality. Ancillary operations include but are not limited to impound yards, permanent and mobile fueling locations, and yard trimmings and wood waste management sites. The Inventory of Material and Machinery, and Inspections and Good Housekeeping practices specified in Attachment E shall be conducted at all municipal maintenance yards and other ancillary operations. Best Management Practices shall be implemented for the following activities, whenever such activities occur:
- i. Fueling Operations;
 - ii. Discharge of Stormwater from Secondary Containment;
 - iii. Vehicle Maintenance;
 - iv. On-Site Equipment and Vehicle Washing and Wash Wastewater Containment;
 - v. Salt and De-icing Material Storage and Handling;
 - vi. Aggregate Material and Construction Debris Storage;
 - vii. Street Sweepings, Catch Basin Clean Out, and Other Material Storage;
 - viii. Yard Trimmings and Wood Waste Management Sites that are owned and operated by the Tier A Municipality; and
 - ix. Roadside Vegetation Management.
- d. **Employee Training:** The Tier A Municipality shall develop, update and implement an employee training program to address Tier A MS4 NJPDES permit components and SPPP requirements. All municipal employees shall receive training on those stormwater topics applicable to their title and duties within 3 months of commencement of duties. Records including sign in sheet(s), date(s) of training, and training agenda(s) shall be kept in the SPPP. Training shall occur at least once every two years, unless otherwise specified below:
- i. **Yard Waste Collection Program (if applicable)** – Provide training on frequency of yard waste pickups and schedule; and policy for how and when yard waste can be placed curbside. See Part IV.B.5.a.v (Yard Waste Ordinance).
 - ii. **Monthly Sweeping of Certain Streets in Predominantly Commercial Areas** - Provide training on sweeping schedules and proper management of materials collected. See Part IV.B.5.b.i (Street Sweeping).
 - iii. **Illicit Connection Elimination and Outfall Pipe Mapping** - Provide training on the impacts associated with illicit connections and details of the program including investigation techniques, physical observations, field sampling, and mapping procedures. See Part IV.B.6 (MS4 Outfall Pipe Mapping, and Illicit Discharge) and the National Menu of Stormwater Best Management Practices at www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater.
 - iv. **Outfall Pipe Stream Scouring Detection and Control** - Provide training on how to identify outfall pipe stream scouring and contributing factors. See Part IV.B.6.b (Stream Scouring).

- v. Maintenance Yard Operations (including Ancillary Operations) - Provide training annually on inventory of materials and machinery, inspections and good housekeeping; fueling operations; discharge of stormwater from secondary containment; vehicle maintenance; on-site equipment and vehicle washing and wash wastewater containment; salt and de-icing material storage and handling; aggregate material and construction debris storage; street sweeping, catch basin clean out, and other material storage; yard trimmings and wood waste management sites. See Part IV.B.5.c (Municipal Maintenance Yards and Other Ancillary Operations).
 - vi. Waste Disposal Education - Provide training on the impacts associated with improper waste disposal, how to respond to inquiries regarding improper waste disposal, and appropriate enforcement authority.
 - vii. Municipal Ordinances - Provide training on the following ordinances: Pet Waste Ordinance; Wildlife Feeding Ordinance; Litter Control Ordinance; Improper Disposal of Waste Ordinance; Containerized Yard Waste/Yard Waste Collection Ordinance; and the Private Storm Drain Inlet Ordinance. Training shall include an overview of these ordinance requirements, enforcement policies and the repercussions of non-compliance with these ordinances. See Part IV.B.5.a (Community Wide Ordinances).
 - viii. Stormwater Facility Maintenance – Provide training annually on maintenance of stormwater facilities, and catch basin and inlet cleaning methods. See Part IV.C.1 (Stormwater Facilities Maintenance), and Part IV.B.5.b.ii (Catch Basin and Storm Drain Inlets).
 - ix. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment - Provide general training on the permitting requirements for construction activity and Post-Construction Stormwater Management in New Development and Redevelopment. See Part IV.B.3 (Construction Site Runoff) and B.4 (Post Construction).
 - x. Provide general training annually on the Tier A Municipality's SPPP, applicable recordkeeping requirements, and detailed training on any component applicable to an employee's title and duties. See Part IV.F (SPPP).
 - xi. Training may also be conducted on stormwater-related topics that serve an educational purpose for employees.
- e. Stormwater Management Design Review Training: The Tier A Municipality shall ensure that all design engineers, municipal engineers and other individuals that review the stormwater management design for development and redevelopment projects on behalf of the municipality, complete the Department approved Stormwater Management Design Review Course (see www.nj.gov/dep/stormwater/training.htm) once every five years. This includes those individuals that review any projects that are subject to the Tier A Municipality's municipal stormwater management plan and control ordinance as described in Part IV.B.4 (Post Construction). Individuals that will review stormwater management design and have not completed this course within the past five years must attend the next scheduled course offering. If unable to attend, the Tier A Municipality must notify the Department in writing no later than thirty days after the missed course offering explaining why attendance was not possible and what alternate arrangements are being made. Training completed within five calendar years prior to EDPA qualifies towards this requirement. The Tier A Municipality is required to maintain a list of the dates and names of training program participants in its SPPP.

- f. **Municipal Board and Governing Body Member Related Training:** The Tier A Municipality shall ensure that municipal board and governing body members that review and approve applications for development and redevelopment projects, complete the "Asking the Right Questions in Stormwater Review Training Tool" posted at www.nj.gov/dep/stormwater/training.htm. This includes those individuals that review any projects for compliance with Part IV.B.4 (Post Construction) of this permit. Training must be completed by current municipal board and governing body members on or before EDPA + 6 months and by new members within six months of commencing duties. Once per term of service thereafter, municipal board and governing body members must review at least one of the tools offered under Post-Construction Stormwater Management found at the website above. The Tier A Municipality is required to maintain a list of the dates and names of training program participants in its SPPP.
- g. **Existing Permittee:** An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Pollution Prevention / Good Housekeeping for Municipal Operators specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).

6. Minimum Standards for MS4 Outfall Pipe Mapping, and Illicit Discharge and Scouring Detection and Control

- a. **Outfall Pipe Mapping:** Tier A Municipalities shall develop, update and maintain an outfall pipe map showing the location of the end of all MS4 outfall pipes (tidal and non-tidal) owned or operated by the Tier A Municipality which discharge to a surface water body. The outfall pipe map shall:
 - i. Be current at the end of each calendar year;
 - ii. Show the location (and name, where known to the municipality) of all surface water bodies receiving discharges from those outfall pipes;
 - iii. Be included in the SPPP;
 - iv. Be provided to the Department by Existing Permittees on or before EDPA + 12 months and by New Permittees on or before EDPA + 36 months. New data points subsequently added to the map shall be provided to the Department annually thereafter; and
 - v. Be submitted electronically by December 21, 2020 via the Department's designated electronic submission service.
- b. **Stream Scouring:** Tier A Municipalities shall develop, update and implement a program to detect, investigate and control any localized stream scouring from stormwater outfall pipes owned or operated by the municipality. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for specific measures. The Tier A Municipality shall, at a minimum:
 - i. Inspect each outfall pipe which discharges to a stream for localized stream scouring in the vicinity of the outfall pipe. Each outfall pipe shall be inspected at least once every five years;
 - ii. Inspect any outfall pipes newly identified in compliance with Part IV.B.6.a for localized stream scouring in the vicinity of the outfall pipe;

- iii. When localized stream scouring is detected, document sources of stormwater that contribute to the outfall pipes identified in i and ii, above. Each identified source shall be investigated; and (1) where identified sources are located on property owned or operated by the Tier A Municipality, corrective action to reduce stormwater rate or volume shall be taken by the municipality when feasible, or (2) where identified sources are within the jurisdiction of but not located on property owned or operated by the Tier A Municipality, the municipality shall ensure proper operation and maintenance of stormwater facilities located thereon pursuant to Part IV.C.1.b (Stormwater Facilities Maintenance), below;
 - iv. Prioritize, schedule and complete remediation of identified localized stream scouring and take action based upon the requirements of Part IV.B.6.b.iii(1) and (2), above. If not completed, a schedule for completion shall be maintained as required in Part IV.C.1.a.iv (Stormwater Facilities Maintenance); and
 - v. All stream scouring restoration shall be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey at N.J.A.C. 2:90-1 (e.g., Conduit Outlet Protection 12-1) and the requirements for bank stabilization and channel restoration found at N.J.A.C. 7:13 et seq. All associated maintenance or repairs to stormwater facilities shall be made in accordance N.J.A.C 7:8.
- c. Illicit Discharge Detection and Elimination: The Tier A Municipality shall develop, update, implement and enforce an ongoing Illicit Discharge Detection and Elimination Program in accordance with this permit. This program shall be documented in the written SPPP, as required in Part IV.F.1.a.iii (SPPP). See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for specific measures. See also USEPA Guidance at www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf. The Tier A Municipality shall, at a minimum:
- i. Conduct visual dry weather inspection of all outfall pipes owned or operated by the municipality at least once every five years to determine if dry weather flow or other evidence of illicit discharge is present. Dry weather flow is flow occurring 72 hours after a rain event.
 - ii. Investigate the source if evidence of illicit discharge is found;
 - iii. Eliminate non-stormwater discharges that are traced to their source and found to be illicit connections;
 - iv. Document investigations and actions taken using the Department's Illicit Connection Inspection Report Form. See www.nj.gov/dep/dwq/tier_a_forms.htm;
 - v. Inspect any outfall pipes newly identified in compliance with Part IV.B.6.a for illicit discharges;
 - vi. Investigate dry weather flows discovered during routine inspection and maintenance of other elements of the MS4; and
 - vii. Investigate, within three months of receipt, complaints and reports of illicit connections, including those from operating entities of interconnected MS4s.
- d. The Tier A Municipality shall adopt and enforce an ordinance that prohibits illicit connections to the municipal separate storm sewer system operated by the Tier A Municipality. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for a sample ordinance.

- e. Existing Permittee: An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for MS4 Outfall Pipe Mapping, and Illicit Discharge and Scouring Detection and Control specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).

C. Other Control Measures

1. Minimum Standards for Stormwater Facilities Maintenance

- a. The Tier A Municipality shall develop, update and implement a program to ensure adequate long-term cleaning, operation and maintenance of all municipally owned or operated stormwater facilities.
 - i. Stormwater facility inspection and maintenance must be performed pursuant to any maintenance plans, or more frequently as needed, to ensure the proper function and operation of the stormwater facility. See www.nj.gov/dep/stormwater/maintenance_guidance.htm.
 - ii. The Tier A Municipality shall maintain a log sufficient to demonstrate compliance with this section; including but not limited to the stormwater facility inspected, location information of the facility inspected (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates), name of inspector, date of inspection, findings, and any preventative and corrective maintenance performed. Example Maintenance Logs and Inspection Records forms which are sufficient to demonstrate compliance with this section are available at www.nj.gov/dep/stormwater/maintenance_guidance.htm.
 - iii. The Tier A Municipality shall certify annually that municipally owned or operated stormwater facilities are properly functioning.
 - iv. If stormwater facilities were found not to be functioning properly and repairs were not made, then necessary preventive and corrective maintenance shall be documented and prioritized, and a schedule for such repairs shall be maintained. The Tier A Municipality shall prioritize this schedule based upon but not limited to: (1) environmental, health and safety concerns; (2) the findings of catch basin and storm drain inlet inspections performed pursuant to Part IV.B.5.b.ii, above; (3) the findings of stream scouring inspections performed pursuant to Part IV.B.6.b, above; and (4) to incorporate the findings pursuant to Part IV.C.2 (TMDL Information), below.
- b. The Tier A Municipality shall develop, update, implement and enforce a program to ensure adequate long-term cleaning, operation and maintenance of stormwater facilities not owned or operated by the Tier A Municipality, not subject to the conditions of another NJPDES stormwater permit and constructed after February 7, 1984.
 - i. The Tier A Municipality shall ensure that stormwater facility maintenance is performed pursuant to any maintenance plans, or more frequently as needed to ensure the proper function and operation of the stormwater facility. See www.nj.gov/dep/stormwater/maintenance_guidance.htm.

- ii. The Tier A Municipality shall maintain a log sufficient to demonstrate compliance with this section; including but not limited to the actions taken by the municipality to enforce compliance with the long-term cleaning, operation and maintenance program; the stormwater facility that was the subject of the action; location information of the facility that was the subject of the action (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates); the name of person taking the action; the date of the action; and the findings. Example Maintenance Logs and Inspection Records forms which are sufficient to demonstrate compliance with this section are available at www.nj.gov/dep/stormwater/maintenance_guidance.htm.
- c. The Tier A Municipality shall maintain copies of all maintenance plans, as defined in Notes and Definitions Part IV.B.1.g of this permit, for stormwater facilities approved by the municipality. The Tier A municipality shall make copies of these maintenance plans available to the Department upon request.
- d. Existing Permittee: An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Stormwater Facilities Maintenance specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).

2. Minimum Standards for Total Maximum Daily Load (TMDL) Information

- a. Incorporation of TMDL Information Into the SPPP
 - i. The Tier A Municipality shall annually review approved or adopted TMDL reports to identify stormwater related pollutants listed therein and associated with any segment of surface water wholly or partially within or bordering the Tier A Municipality. This information may be accessed at www.nj.gov/dep/dwq/msrp-tmdl-rh.htm;
 - ii. The Tier A Municipality shall use TMDL information identified in i, above to, at a minimum, (1) assist in the prioritization of stormwater facility maintenance including schedules for repairs required at Part IV.B.6.b.iv (Stream Scouring) and IV.C.1.a.iv (Stormwater Facilities Maintenance), above; and (2) identify and develop strategies to address specific sources of stormwater related pollutants contributing to discharges authorized under this Tier A MS4 NJPDES permit. Strategies may include but are not limited to those found in the implementation section of approved or adopted TMDL reports (for examples see "Total Maximum Daily Load (TMDL) Guidance for Tier A MS4 Permittees" found at www.nj.gov/dep/dwq/msrp-tmdl-rh.htm); and
 - iii. The Tier A Municipality shall annually update its SPPP to list information identified in i and ii, above; and
 - iv. The Tier A Municipality shall incorporate any strategies identified in ii(2), above as an Optional Measure. See Part IV.E (Optional Measures) and Part IV.F.1.c (SPPP), below.
- b. Existing Permittee: An existing permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Total Maximum Daily Load (TMDL) Information specified in Attachment A for Existing Permittees (Measurable Goals and Implementation Schedule).

D. Additional Measures

1. Incorporation of Additional Measures

- a. Additional Measures are non-numeric (e.g., best management practices) or numeric effluent limitations that are expressly required to be included in a Tier A Municipality's stormwater program by a TMDL; a regional stormwater management plan; other elements of an adopted areawide Water Quality Management Plan; or the adopted Statewide Water Quality Management Plan.
- b. The Department will provide written notice of the adoption of any Additional Measure(s) to any affected Tier A Municipality. The Department will list each adopted Additional Measure in a minor modification to the Tier A MS4 NJPDES permit. For any required Additional Measure(s) other than numeric effluent limitations, the required Additional Measure(s) will specify the best management practices that shall be implemented and the measurable goals. The required Additional Measure(s) will also specify the implementation schedule.

E. Optional Measures

1. Incorporation of Optional Measures

- a. Optional Measures are BMPs, developed by the Tier A Municipality, that extend beyond the requirements of the Tier A MS4 NJPDES permit and that prevent or reduce pollution to waters of the State.
- b. The Tier A Municipality may, at its own discretion, incorporate Optional Measures into its MS4 stormwater program. Such BMPs shall be identified in the SPPP as Optional Measures.
- c. Failure to implement an Optional Measure identified in the SPPP shall not be considered a violation of the NJPDES permit.

2. Refuse Container / Dumpster Ordinance

- a. Tier A Municipalities have the option of adopting and enforcing an ordinance requiring dumpsters and other refuse containers that are outdoors or exposed to stormwater to be covered at all times. This ordinance serves to prevent the spilling, dumping, leaking, or otherwise discharge of liquids, semi-liquids or solids from the containers. This ordinance is not intended for litter receptacles; individual homeowner trash and recycling containers; containers that hold large bulky items (e.g., furniture, bound carpet and padding); permitted temporary demolition containers; and refuse containers at industrial facilities authorized to discharge stormwater under a valid NJPDES permit. For a sample ordinance see www.nj.gov/dep/dwq/tier_a.htm.

F. Stormwater Pollution Prevention Plan (SPPP)

1. SPPP Requirements

- a. The Tier A Municipality shall develop, update, implement, and maintain a written SPPP (see the Tier A Municipal Guidance document www.nj.gov/dep/dwq/tier_a_guidance.htm) that:
 - i. Identifies the person designated as the Municipal Stormwater Program Coordinator (Stormwater Coordinator) per Part IV.F.2, below and the members of the SPPP Team.
 - ii. Documents the municipality's Tier A MS4 Stormwater Program including a description of shared or contracted services as allowed under Part IV.F.4, below.
 - iii. Describes the measures necessary for compliance with all components of the Tier A MS4 NJPDES permit including all measures described in Part IV.B, C, D and E above.

- iv. Reflects the measurable goals, implementation schedules, record keeping and other requirements in Attachment A for Existing Permittees and Attachment A-1 for New Permittees (Measurable Goals and Implementation Schedule).
- b. The Tier A Municipality's Stormwater Coordinator shall sign and date the SPPP per Part IV.F.3, below.
- c. The Tier A Municipality shall review the SPPP at least annually and update it as often as necessary to reflect changes related to the municipality's Tier A MS4 Stormwater Program. Any amendments to the SPPP:
 - i. Shall continue to meet the requirements of this permit;
 - ii. Shall be signed and dated by the Stormwater Coordinator; and
 - iii. Shall be retained for a period of at least five years from the date of amendment unless the Department issues a written notice to extend the retention period.
- d. The SPPP shall include any records required by this Tier A MS4 NJPDES permit. See Attachment A for Existing Permittees and Attachment A-1 for New Permittees (Measurable Goals and Implementation Schedule) for additional detail.
- e. The Department may notify the Tier A Municipality at any time that the SPPP does not meet one or more of the minimum requirements. Within thirty (30) days after receiving such notification unless otherwise specified by the Department, the Tier A Municipality shall amend the SPPP to adequately address all deficiencies, and written certification of such amendments shall be submitted to the Department.
- f. The current SPPP shall be posted on the Tier A Municipality's website no later than EDPA + 90 days with updates posted annually thereafter. The version posted on the website can exclude:
 - i. Inspection logs and other required record keeping; and
 - ii. The names of SPPP Team members but must include the name of the Stormwater Coordinator.
- g. The SPPP shall be made available to the Department and public upon request pursuant to N.J.A.C. 7:14A-25.6(j)2.

2. Designation of the Municipal Stormwater Program Coordinator (Stormwater Coordinator)

- a. Each Tier A Municipality shall designate a Stormwater Coordinator.
- b. The Stormwater Coordinator shall be either a principal executive officer or a ranking elected official as required at N.J.A.C. 7:14A-4.9(a)3;
- c. A principal executive officer or ranking elected official of the Tier A Municipality may assign this responsibility, as allowed at N.J.A.C. 7:14A-4.9(b), to a duly authorized representative who has overall responsibility for the operation of municipal stormwater facilities or municipal environmental matters;
- d. If an assignment under b or c, above changes, then a new assignment of responsibility shall be submitted to the Department. This is accomplished through completion of the online MSRP Annual Report (see Part IV.G Annual Report and Certification below) or the Stormwater Program Coordinator Information Update Sheet posted at www.nj.gov/dep/dwq/pdf/msrp_update_form.pdf. This information shall be submitted to the Department within 30 days of such change taking place.

3. Responsibilities of the Municipal Stormwater Program Coordinator (Stormwater Coordinator)

- a. The Tier A Municipality shall designate a Municipal Stormwater Program Coordinator (Stormwater Coordinator). The Stormwater Coordinator is responsible for:
 - i. Coordinating the permittee's implementation of the SPPP and Tier A MS4 NJPDES permit conditions;
 - ii. Signing and dating the SPPP;
 - iii. Coordinating the completion and submittal of the Annual Report and Certification; and
 - iv. Certifying, signing and dating the Annual Report.

4. Implementation of SPPP Conditions through Shared or Contracted Services

- a. The Tier A Municipality may rely on another governmental, private, or nonprofit entity to satisfy one or more of the Tier A Municipality's MS4 NJPDES permit conditions, or component thereof, through the implementation of best management practices or control measures. This is only allowable provided the following conditions are met:
 - i. The other entity implements the best management practice(s) or control measure(s);
 - ii. The particular best management practice(s) or control measure(s), or component(s) thereof, is at least as stringent or as frequent as the corresponding NJPDES permit requirement;
 - iii. The other entity agrees in writing or is required by law to implement the measure(s), or component(s) thereof, in such a manner that is in compliance with the Tier A MS4 NJPDES permit on the Tier A Municipality's behalf; and
 - iv. The Tier A Municipality specifies in its SPPP (1) which NJPDES permit conditions will be implemented by another entity and (2) the name of the responsible entity.
- b. For any projects or activities which the Tier A Municipality assigns to another entity which is a private contractor, the awarded contract shall require the contractor to conduct such projects or activities in such a manner that is in compliance with the Tier A MS4 NJPDES permit.
- c. The Tier A Municipality is responsible for compliance with this permit if the other entity fails to implement the measure(s) or component(s), thereof.

G. Annual Report and Certification**1. Reporting Requirements**

- a. The Tier A Municipality shall complete an Annual Report, including any Supplemental Questions, using the electronic format provided by the Department via the MSRP Annual Report service accessed through the Regulatory Services Portal (www.njdeponline.com). The Annual Report shall summarize the status of compliance with the conditions of this permit. Specifically, this includes compliance for the subject year between January 1 and December 31 with the Statewide Basic Requirements (Part IV.B), Other Control Measures (Part IV.C), Additional Measures (Part IV.D), Optional Measures (Part IV.E), Stormwater Pollution Prevention Plan (Part IV.F), and any other Tier A MS4 NJPDES permit conditions listed on the Annual Report form, including Supplemental Questions.

- b. The Stormwater Coordinator shall certify, sign and date the Annual Report.
- c. Submit an Annual Report and Certification: on or before May 1st annually to the Department through the Regulatory Services Portal (instructions at www.nj.gov/dep/dwq/tier_a.htm).
- d. A copy of each Annual Report and Certification shall be kept at a central location and shall be made available to the Department for inspection.
- e. The Tier A Municipality shall retain the Annual Report and Certification as well as any records required to be kept by this permit for a period of at least five years.
- f. The Tier A Municipality shall document in the Annual Report (1) if it relies on another entity to satisfy one or more of the Tier A Municipality's MS4 NJPDES permit conditions as described in Part IV.F.4.a (Implementation of SPPP Conditions through Shared or Contracted Services), above; (2) which NJPDES permit conditions will be satisfied by another entity; and (3) the name of the governmental, private, or nonprofit entity.

CAMDEN CITY, Camden

Permit No. NJG0153338
DST170001 Stormwater Discharge General Permit Authorization
Renewal

Attachment A – Measurable Goals and Implementation Schedule for Existing Permittees

General

The Measurable Goals and Implementation Schedule of this Tier A MS4 NJPDES Permit for Existing Permittees. Each Implementation Schedule is associated with a permit citation and a summary of the associated Minimum Standard. The summary represents a paraphrase of permit conditions. Actual Minimum Standards are found in Part IV of the permit.

When a Minimum Standard is a new requirement is provided in the last column. Where a requirement is not new and not modified, the Existing Permittee is expected to be in compliance on the Effective Date of Permit Authorization. For modifications (and for some modified requirements), additional time is provided for achieving compliance.

Measurable Goals that shall be documented in the SPPP. **The SPPP shall be updated as required by Part IV.F.1.c, above.** This refers to the date that a Minimum Standard must be incorporated into the Tier A Municipality's stormwater program, documents. In addition to the requirements of Part IV.F.1 above, the SPPP shall identify and discuss the Minimum Standard requirement (Part IV.B, above) and Other Control Measures (Part IV.C, above) where the following information is required

of implementation;

recordkeeping;

Implementation schedule, consistent with permit requirements, including interim milestones;

Diagrams required by the permit (e.g., stormwater facilities map); and

and maintenance schedules, as appropriate.

Measurable Goals and an Implementation Schedule for the Notes and Definitions Part IV, Part IV.A (Permit Overview), IV.B (Optional Measures), IV.C (SPPP), and IV.D (Annual Report and Certification) because these are not Statewide Control Measures (see N.J.A.C. 7:14A-25.6). While not included in this table, Notes and Definitions Part IV, Part IV.A, requirements and compliance is required.

for Statewide Basic Requirements and Other Conditions of this Permit for Existing Permittees				
Standard (Requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
Participation Including Public Notice				
er the Open y procedures and Municipal g for public ent and ter program, ry to	IV.B.1.a & d	Certify in each annual report that all public notice requirements have been met and relevant records kept. Reference in the SPPP the location of associated municipal records.	EDPA	No
he public upon	IV.B.1.b.i	Certify in each annual report that the SPPP was made available to the public.	EDPA	No
municipality's	IV.B.1.b.ii	Certify in each annual report that the SPPP has been posted on the municipality's website (to the extent required by Part IV.F.1.f) and that the posted SPPP is current.	EDPA + 90 days	Yes
ormwater) and related y's website.	IV.B.1.b.iii	Certify in each annual report that the MSWMP and related ordinances have been posted on the municipality's website and that the posted documents are current.	EDPA + 90 days	Yes
Outreach				
ucation and ing activities nts on an	IV.B.2.a	Certify in each annual report that the minimum point value has been met and report point totals in the Annual Report. Maintain records of materials and activities from Attachment B, including dates of activities and any other relevant documentation (e.g. brochures, pictures, sign-in sheets, press clippings).	EDPA	Modified
ain the eplace labels along sidewalks streets; and maintenance ality.	IV.B.2.b	Certify in each annual report that storm drains have been properly labeled and/or maintained. Records tracking storm drain inlet label status shall be kept with the SPPP.	EDPA	No

Standard (Specific requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
program(s) to reach	IV.B.2.c	Certify in each annual report that public involvement program(s) have been properly advertised on the website, through a mailing, through newspaper advertisement, or other similar means. Public advertisement records shall be kept with the SPPP.	EDPA + 12 months	Yes
Stormwater Management in New Development and Redevelopment				
and enforce its stormwater management and compliance with the Act (N.J.A.C. 7:8).	IV.B.4.a, b, c, d, e, f, g, h, i, j, l	Certify in each annual report that the Tier A Municipality has developed, and is implementing and enforcing a program to address stormwater runoff from new development and redevelopment projects. Records demonstrating compliance with Part IV.B.4 shall be kept, or their location shall be referenced, in the SPPP.	EDPA	No
structural projects), for which the municipality shall complete, and a Major Stormwater Summary.	IV.B.4.k	Certify in each annual report that Major Development Stormwater Summaries (Attachment D) have been completed and records have been maintained by the Tier A municipality. Records demonstrating compliance with Part IV.B.4 shall be kept, or their location shall be referenced, in the SPPP.	EDPA	Yes
Housekeeping - Community Wide Ordinances				
ordinance. information	IV.B.5.a.i	Certify in each annual report the date the ordinance was adopted, that it is being enforced and that pet waste ordinance information is distributed with pet licenses. A log of enforcement actions and information distribution dates shall be kept in the SPPP.	EDPA	No
feeding	IV.B.5.a.ii	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No

Standard (if requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
rol ordinance.	IV.B.5.a.iii	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
r disposal of	IV.B.5.a.iv	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
ized yard waste n ordinance.	IV.B.5.a.v	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
orm drain inlet	IV.B.5.a.vi	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
Housekeeping - Community Wide Measures				
ment street d at Part	IV.B.5.b.i	Certify in each annual report that a street sweeping schedule is being maintained as well as records including the date and areas swept, number of miles of streets swept, and the total amount of materials collected in wet tons. Include totals in the Annual Report and keep records in the SPPP.	EDPA	No
ment catch pection and l at Part	IV.B.5.b.ii	Certify in each annual report that a catch basin and storm drain inlet inspection and cleaning schedule is being maintained, and a log indicating the number of municipally owned and operated catch basins and inlets within the municipality, the number of catch basins and inlets inspected, and the number cleaned is being maintained. Maintain records documenting the amount of materials collected in wet tons during cleaning activities in the SPPP. Include totals in the Annual Report.	EDPA	Modified

Standard (permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
ment storm specified at	IV.B.5.b.iii	Certify in each annual report that a record of the number and location of storm drain inlets retrofitted as well as the number and location of storm drain inlets exempted is being maintained. Include totals in the Annual Report and keep records in the SPPP.	EDPA	No
Housekeeping - Municipal Maintenance Yards and Other Ancillary Operations				
1 Attachment E, materials and d Good municipal Ancillary	IV.B.5.c	Certify in each annual report that the SPPP includes all applicable requirements and that the requirements (including maintenance of inspection logs and tracking forms) of Attachment E have been met. Keep records required by Attachment E in the SPPP.	EDPA	No
or fueling	IV.B.5.c.i	Certify in each annual report that BMPs in Attachment E have been implemented for fueling operations.	EDPA	No
or discharge of containment.	IV.B.5.c.ii	Certify in each annual report that BMPs in Attachment E have been implemented for discharge of stormwater from secondary containment.	EDPA	No
or vehicle	IV.B.5.c.iii	Certify in each annual report that BMPs in Attachment E have been implemented for vehicle maintenance.	EDPA	No
or on-site g and wash	IV.B.5.c.iv	Certify in each annual report that BMPs in Attachment E have been implemented for on-site equipment and vehicle washing and wash wastewater containment.	EDPA	Modified
or salt and de- icing.	IV.B.5.c.v	Certify in each annual report that BMPs in Attachment E have been implemented for salt and de-icing material storage and handling.	EDPA	No
or aggregate is storage.	IV.B.5.c.vi	Certify in each annual report that BMPs in Attachment E have been implemented for aggregate material and construction debris storage.	EDPA + 12 months	Yes

Standard (if requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
or street in-out material	IV.B.5.c.vii	Certify in each annual report that BMPs in Attachment E have been implemented for street sweepings and catch basin clean-out material storage.	EDPA + 12 months	Yes
or yard management sites.	IV.B.5.c.viii	Certify in each annual report that BMPs in Attachment E have been implemented for yard trimmings and wood waste management sites.	EDPA + 12 months	Yes
or roadside	IV.B.5.c.ix	Certify in each annual report that BMPs in Attachment E have been implemented for roadside vegetation management.	EDPA + 12 months	Yes
Housekeeping - Training Program				
employees ment of duties, ars thereafter, to ts. The , viii, and x instead of once	IV.B.5.d	Certify in each annual report that employee training has been conducted, and maintain records including sign in sheet(s), date(s) of training, and training agenda(s). These records shall be kept in the SPPP.	EDPA + 12 months	Modified
view nt projects for on behalf of the nent approved	IV.B.5.e	Certify in each annual report that individuals reviewing projects have completed the required training, and maintain a list of the names and dates that individuals received training. This list shall be kept in the SPPP.	EDPA + 12 months	Yes
Board and t review and opment and ete the EDPA + 6 within 6 luties. Once per micipal Board s must review at nder the Post- agement	IV.B.5.f	Certify in each annual report that municipal board and governing body members have completed the necessary training, and maintain a list of the names and dates that individuals completed training. This list shall be kept in the SPPP.	EDPA + 6 months	Yes

Standard (Permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
and Illicit Discharge and Scouring Detection and Control				
an MS4 Outfall 1 of the end of e to a surface	IV.B.6.a.i	Certify in each annual report that the outfall pipe map is current at the end of the calendar year.	EDPA	No
where known) eiving pipes.	IV.B.6.a.ii	Certify in each annual report that the surface water bodies associated with each outfall pipe end is located on the map.	EDPA	No
e SPPP	IV.B.6.a.iii	Certify in each annual report following the implementation deadline that the Outfall Pipe Map is included in the SPPP.	EDPA +12 months	Yes
ie Department	IV.B.6.a.iv	Certify in each annual report following the implementation deadline that the Outfall Pipe Map and any new data points subsequently added to the map have been provided to the Department.	EDPA +12 months	Yes
p information ly by December	IV.B.6.a.v	Submit the Outfall Pipe Map information to the Department using Department's designated electronic submission service by December 21, 2020.	12/21/2020	Yes
it a program to localized ter outfall	IV.B.6.b	Certify in each annual report that municipally owned outfall pipes have received the required visual inspection at least once every five years and maintain a log indicating the number and location of outfall pipes inspected, repairs prioritized, and repairs scheduled or performed. Certify in the annual report that a repair schedule has been prepared for those that have not been completed. Keep records required by Part IV.B.6.b in the SPPP.	EDPA + 12 months	Modified

Standard (See Part IV for specific permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
and enforce an action and	IV.B.6.c	Certify in each annual report that the municipality has developed a program to detect and eliminate illicit discharges and has conducted inspections required at Part IV.B.6.c at least once every five years. Document all investigations and actions taken on the Department's Illicit Connection Inspection Report Form. Keep records required by Part IV.B.6.c in the SPPP.	EDPA	Modified
that prohibits operated by the	IV.B.6.d	Certify in each annual report that the ordinance is being maintained and the date it was adopted. A log of enforcement actions shall be kept in the SPPP.	EDPA	No
Maintenance				
at a program to aning, operation water facilities A Municipality.	IV.C.1.a	Certify in each annual report that the municipality has developed, updated and implemented a program to ensure adequate long-term cleaning, operation and maintenance of all municipally owned stormwater facilities. Records required by Part IV.C.1.a, a.i, a.ii, a.iii and a.iv shall be kept, or their location shall be referenced, in the SPPP.	EDPA	Modified
er facilities lans, or more proper stormwater	IV.C.1.a.i	Certify in each annual report that inspections and maintenance was performed pursuant to any maintenance plans, or more frequently as needed, to ensure proper function and operation of stormwater facilities.	EDPA	Modified

Standard (Permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
monstrate ncluding but ; and aintenance repairs to be	IV.C.1.a.ii	Certify in each annual report that a maintenance log is kept that, at a minimum, records the stormwater facility inspected, location information of the facility inspected (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates), name of inspector, date of inspection, findings, and any preventative and corrective maintenance performed.	EDPA	Modified
lly owned or are properly	IV.C.1.a.iii	Certify in each annual report that all municipally owned or operated stormwater facilities are properly functioning.	EDPA	No
ound not to be rs not made, d corrective ted and aintenance	IV.C.1.a.iv	Certify in each annual report that a prioritized schedule of necessary preventive and corrective maintenance exists for stormwater facilities inspected and found not to be functioning properly. The municipality shall prioritize this schedule as specified in Part IV.C.1.iv.	EDPA	Modified
nd enforce a ng-term nance of d or operated by bject to the stormwater ebruary 7, 1984.	IV.C.1.b	Certify in each annual report that the municipality has developed, updated, implemented and enforced a program to ensure adequate long-term cleaning, operation and maintenance of stormwater facilities not owned and operated by the municipality, not subject to the conditions of another NJPDES stormwater permit and constructed after February 7, 1984. Records required by Part IV.C.1.b, b.i and b.ii shall be kept, or their location shall be referenced, in the SPPP.	EDPA + 12 months	Modified

Standard (if requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
inspection and pursuant to any frequently as on and facility.	IV.C.1.b.i	Certify in each annual report that maintenance was performed pursuant to any maintenance plans, or more frequently, to ensure proper function and operation of stormwater facilities not owned and operated by the municipality.	EDPA + 12 months	Modified
monstrate including but the municipality long-term maintenance program.	IV.C.1.b.ii	Certify in each annual report that a log is being kept that, at a minimum, records the actions taken by the municipality to enforce compliance with the long-term cleaning, operation and maintenance program; the stormwater facility that was the subject of the action; location information of the facility that was the subject of the action (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates); the name of person taking the action; the date of the action; and the findings.	EDPA + 12 months	Modified
maintenance plans for by the available to the	IV.C.1.c	Certify in each annual report that copies of all maintenance plans are kept on file. Records required by Part IV.C.1.c shall be kept, or their location shall be referenced, in the SPPP.	EDPA + 12 months	Yes
(TMDL) Info.				
adopted TMDL related associated with wholly or the Tier A	IV.C.2.a.i	Certify in each annual report that approved or adopted TMDLs have been identified and reviewed and stormwater related pollutants identified. Records required by Part IV.C.2.a.i, a.ii and a.iii shall be kept in the SPPP.	EDPA + 12 months	Yes

Standard (Permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule	New Requirement?
identified in Part VI.C.2.a.i to: (1) assist in the prioritization of repairs as required at Part IV.B.6.b.iv (Stream Scouring) and IV.C.31.a.iv (Stormwater Facilities Maintenance); and (2) identify and develop strategies to address specific sources of stormwater related pollutants contributing to discharges authorized under this Tier A MS4 NJPDES permit.	IV.C.2.a.ii		EDPA + 12 months	Yes
information identified in	IV.C.2.a.iii	Certify in each annual report that the municipality has updated its SPPP to list information identified in Part VI.C.2.a.i and ii.	EDPA + 12 months	Yes
identified in Part VI.C.2.a.ii(2) as an Optional Measure.	IV.C.2.a.iv	Certify in each annual report that the municipality has incorporated any strategies identified in Part VI.C.2.a.ii(2) as an Optional Measure.	EDPA + 12 months	Yes

Attachment A-1 – Measurable Goals and Implementation Schedule for New Permittees

General

The Measurable Goals and Implementation Schedule of this Tier A MS4 NJPDES Permit for New Permittees. Each Implementation Schedule is associated with a permit citation and a summary of the associated Minimum Standard. The third column represents a paraphrase of permit conditions. Actual Minimum Standards are found in Part IV of the permit.

Measurable Goals that shall be documented in the SPPP. **The SPPP shall be created by EDP + 12 months and updated on a schedule required by Part IV.F.** The Implementation Schedule refers to the date that a Minimum Standard must be incorporated into the stormwater program, along with any ongoing requirements. In addition to the requirements of Part IV.F above, the permittee shall also document the Minimum Standard of each Statewide Basic Requirement (Part IV.B, above) and Other Control Measures (Part IV.G, above). The following information is required for each item:

- Date of implementation;
- Duration of implementation;
- Implementation schedule, consistent with permit requirements, including interim milestones;
- Diagrams required by the permit (e.g., stormwater facilities map); and
- Maintenance schedules, as appropriate.

The Measurable Goals and an Implementation Schedule for the Notes and Definitions Part IV, Part IV.A (Permit Overview), Part IV.B (Statewide Basic Requirements), IV.E (Optional Measures), IV.F (SPPP), and IV.G (Annual Report and Certification) because these are not Other Control Measures (see N.J.A.C. 7:14A-25.6). While not included in this table, Notes and Definitions Part IV, permit requirements and compliance is required.

Statewide Basic Requirements and Other Conditions of this Permit for New Permittees			
Standard (Permit requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule
Participation Including Public Notice			
Under the Open Public Procedures and Municipal Participation for public input and program, try to	IV.B.1.a & d	Certify in each annual report that all public notice requirements have been met and relevant records kept. Reference in the SPPP the location of associated municipal records.	EDPA
Make the public upon	IV.B.1.b.i	Certify in each annual report that the SPPP was made available to the public.	EDPA + 12 months
Municipality's	IV.B.1.b.ii	Certify in each annual report that the SPPP has been posted on the municipality's website (to the extent required by Part IV.F.1.f) and that the posted SPPP is current.	EDPA + 12 months)
Stormwater) and related y's website.	IV.B.1.b.iii	Certify in each annual report that the MSWMP and related ordinances have been posted on the municipality's website and that the posted documents are current.	EDPA + 90 days
Outreach			
Education and ing activities nts on an	IV.B.2.a	Certify in each annual report that the minimum point value has been met and report point totals in the Annual Report. Maintain records of materials and activities from Attachment B, including dates of activities and any other relevant documentation (e.g. brochures, pictures, sign-in sheets, press clippings).	EDPA

Standard (Requirements)	Permit Cite	Measurable Goal (See Part IV for specific permit requirements)	Implementation Schedule
Maintain the replace labels along sidewalks streets; and maintenance quality.	IV.B.2.b	Certify in each annual report that storm drains have been properly labeled and/or maintained. Records tracking storm drain inlet label status shall be kept with the SPPP.	EDPA
Program(s) reach	IV.B.2.c	Certify in each annual report that public involvement program(s) have been properly advertised on the website, through a mailing, through newspaper advertisement, or other similar means. Public advertisement records shall be kept with the SPPP.	EDPA + 12 months
Stormwater Management in New Development and Redevelopment			
Enforce its management and compliance with the (N.J.A.C. 7:8).	IV.B.4.a, b, c, d, e, f, g, h, i, j, l	Certify in each annual report that the Tier A Municipality has developed, and is implementing and enforcing a program to address stormwater runoff from new development and redevelopment projects. Records demonstrating compliance with Part IV.B.4 shall be kept, or their location shall be referenced, in the SPPP.	EDPA
Structural for which an municipality after complete, Major summary.	IV.B.4.k	Certify in each annual report that Major Development Stormwater Summaries (Attachment D) have been completed and records have been maintained by the Tier A municipality. Records demonstrating compliance with Part IV.B.4 shall be kept, or their location shall be referenced, in the SPPP.	EDPA

Housekeeping - Community Wide Ordinances			
ordinance. information	IV.B.5.a.i	Certify in each annual report the date the ordinance was adopted, that it is being enforced and that pet waste ordinance information is distributed with pet licenses. A log of enforcement actions and information distribution dates shall be kept in the SPPP.	EDPA + 12 months
eeding	IV.B.5.a.ii	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA + 12 months
rol ordinance.	IV.B.5.a.iii	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA + 12 months
r disposal of	IV.B.5.a.iv	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA + 12 months
ized yard waste n ordinance.	IV.B.5.a.v	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA + 12 months
orm drain inlet	IV.B.5.a.vi	Certify in each annual report the date the ordinance was adopted and that it is being enforced. A log of enforcement actions shall be kept in the SPPP.	EDPA + 12 months
Housekeeping - Community Wide Measures			
ment street d at Part	IV.B.5.b.i	Certify in each annual report that a street sweeping schedule is being maintained as well as records including the date and areas swept, number of miles of streets swept, and the total amount of materials collected in wet tons. Include totals in the Annual Report and keep records in the SPPP.	EDPA + 24 months

ment catch pection and at Part	IV.B.5.b.ii	Certify in each annual report that a catch basin and storm drain inlet inspection and cleaning schedule is being maintained, and a log indicating the number of municipally owned and operated catch basins and inlets within the municipality, the number of catch basins and inlets inspected, and the number cleaned is being maintained. Maintain records documenting the amount of materials collected in wet tons during cleaning activities in the SPPP. Include totals in the Annual Report.	EDPA + 24 months
ment storm specified at	IV.B.5.b.iii	Certify in each annual report that a record of the number and location of storm drain inlets retrofitted as well as the number and location of storm drain inlets exempted is being maintained. Include totals in the Annual Report and keep records in the SPPP.	EDPA + 12 months
Housekeeping - Municipal Maintenance Yards and Other Ancillary Operations			
n Attachment E, aterials and d Good municipal Ancillary	IV.B.5.c	Certify in each annual report that the SPPP includes all applicable requirements and that the requirements (including maintenance of inspection logs and tracking forms) of Attachment E have been met. Keep records required by Attachment E in the SPPP.	EDPA + 12 months
or fueling	IV.B.5.c.i	Certify in each annual report that BMPs in Attachment E have been implemented for fueling operations.	EDPA + 12 months
or discharge of ntainment.	IV.B.5.c.ii	Certify in each annual report that BMPs in Attachment E have been implemented for discharge of stormwater from secondary containment.	EDPA + 12 months
or vehicle	IV.B.5.c.iii	Certify in each annual report that BMPs in Attachment E have been implemented for vehicle maintenance.	EDPA + 12 months

on-site g and wash	IV.B.5.c.iv	Certify in each annual report that BMPs in Attachment E have been implemented for on-site equipment and vehicle washing and wash wastewater containment.	EDPA + 60 months
or salt and de- icing.	IV.B.5.c.v	Certify in each annual report that BMPs in Attachment E have been implemented for salt and de-icing material storage and handling.	EDPA + 60 months
or aggregate is storage.	IV.B.5.c.vi	Certify in each annual report that BMPs in Attachment E have been implemented for aggregate material and construction debris storage.	EDPA + 18 months
or street in-out material	IV.B.5.c.vii	Certify in each annual report that BMPs in Attachment E have been implemented for street sweepings and catch basin clean-out material storage.	EDPA + 18 months
or yard management sites.	IV.B.5.c.viii	Certify in each annual report that BMPs in Attachment E have been implemented for yard trimmings and wood waste management sites.	EDPA + 18 months
or roadside	IV.B.5.c.ix	Certify in each annual report that BMPs in Attachment E have been implemented for roadside vegetation management.	EDPA + 18 months
Housekeeping - Training Program			
employees ment of duties, ars thereafter, to ts. The , viii, and x instead of once	IV.B.5.d	Certify in each annual report that employee training has been conducted, and maintain records including sign in sheet(s), date(s) of training, and training agenda(s). These records shall be kept in the SPPP.	EDPA + 12 months
view nt projects for on behalf of the nent approved	IV.B.5.e	Certify in each annual report that individuals reviewing projects have completed the required training, and maintain a list of the names and dates that individuals received training. This list shall be kept in the SPPP.	EDPA + 12 months

Board and t review and opment and ete the EDPA + 6 within 6 months nce per term of board and st review at nder the Post- agement	IV.B.5.f	Certify in each annual report that municipal board and governing body members have completed the necessary training, and maintain a list of the names and dates that individuals completed training. This list shall be kept in the SPPP.	EDPA + 6 months
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and Illicit Discharge and Scouring Detection and Control

an MS4 Outfall 1 of the end of e to a surface	IV.B.6.a.i	Certify in each annual report following the implementation deadline that the outfall pipe map is current at the end of the calendar year.	EDPA + 36 months
where known) iving pipes.	IV.B.6.a.ii	Certify in each annual report following the implementation deadline that the surface water bodies associated with each outfall pipe end is located on the map.	EDPA + 36 months
e SPPP	IV.B.6.a.iii	Certify in each annual report following the implementation deadline that the Outfall Pipe Map is included in the SPPP.	EDPA + 36 months
ie Department	IV.B.6.a.iv	Certify in each annual report following the implementation deadline that the Outfall Pipe Map and any new data points subsequently added to the map have been provided to the Department.	EDPA + 36 months
p information ly by December	IV.B.6.a.v	Submit the Outfall Pipe Map information to the Department using Department's designated electronic submission service by December 21, 2020.	12/21/2020

at a program to localized ter outfall	IV.B.6.b	Certify in each annual report that municipally owned outfall pipes have received the required visual inspection at least once every five years and maintain a log indicating the number and location of outfall pipes inspected, repairs prioritized, and repairs scheduled or performed. Certify in the annual report that a repair schedule has been prepared for those that have not been completed. Keep records required by Part IV.B.6.b in the SPPP.	EDPA + 60 months
and enforce an ction and	IV.B.6.c	Certify in each annual report that the municipality has developed a program to detect and eliminate illicit discharges and has conducted inspections required at Part IV.B.6.c at least once every five years. Document all investigations and actions taken on the Department's Illicit Connection Inspection Report Form. Keep records required by Part IV.B.6.c in the SPPP.	EDPA + 60 months
se that prohibits operated by the	IV.B.6.d	Certify in each annual report that the ordinance is being maintained and the date it was adopted. A log of enforcement actions shall be kept in the SPPP.	EDPA + 12 months
enance			
at a program to aning, operation water facilities A Municipality.	IV.C.1.a	Certify in each annual report that the municipality has developed, updated and implemented a program to ensure adequate long-term cleaning, operation and maintenance of all municipally owned stormwater facilities. Records required by Part IV.C.1.a, a.i, a.ii, a.iii and a.iv shall be kept, or their location shall be referenced, in the SPPP.	EDPA + 18 months

er facilities lans, or more proper stormwater	IV.C.1.a.i	Certify in each annual report that inspections and maintenance was performed pursuant to any maintenance plans, or more frequently as needed, to ensure proper function and operation of stormwater facilities.	EDPA + 18 months
monstrate ncluding but and aintenance repairs to be	IV.C.1.a.ii	Certify in each annual report that a maintenance log is kept that, at a minimum, records the stormwater facility inspected, location information of the facility inspected (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates), name of inspector, date of inspection, findings, and any preventative and corrective maintenance performed.	EDPA + 18 months
lly owned or are properly	IV.C.1.a.iii	Certify in each annual report that all municipally owned or operated stormwater facilities are properly functioning.	EDPA + 18 months
ound not to be rs not made, d corrective ted and aintenance	IV.C.1.a.iv	Certify in each annual report that a prioritized schedule of necessary preventive and corrective maintenance exists for stormwater facilities inspected and found not to be functioning properly. The municipality shall prioritize this schedule as specified in Part IV.C.1.iv.	EDPA + 18 months
id enforce a ng-term nance of d or operated by bject to the stormwater ebruary 7, 1984.	IV.C.1.b	<p>Certify in each annual report that the municipality has developed, updated, implemented and enforced a program to ensure adequate long-term cleaning, operation and maintenance of stormwater facilities not owned and operated by the municipality, not subject to the conditions of another NJPDES stormwater permit and constructed after February 7, 1984.</p> <p>Records required by Part IV.C.1.b, b.i and b.ii shall be kept, or their location shall be referenced, in the SPPP.</p>	EDPA + 18 months

inspection and pursuant to any more frequently as on and facility.	IV.C.1.b.i	Certify in each annual report that maintenance was performed pursuant to any maintenance plans, or more frequently, to ensure proper function and operation of stormwater facilities not owned and operated by the municipality.	EDPA + 18 months
monstrate including but the municipality long-term maintenance program.	IV.C.1.b.ii	Certify in each annual report that a log is being kept that, at a minimum, records the actions taken by the municipality to enforce compliance with the long-term cleaning, operation and maintenance program; the stormwater facility that was the subject of the action; location information of the facility that was the subject of the action (location information must be specific enough to locate and identify the stormwater facility in the field; e.g. geographic coordinates); the name of person taking the action; the date of the action; and the findings.	EDPA + 18 months
maintenance plans for by the available to the	IV.C.1.c	Certify in each annual report that copies of all maintenance plans are kept on file. Records required by Part IV.C.1.c shall be kept, or their location shall be referenced, in the SPPP.	EDPA + 12 months
(TMDL) Info.			
adopted TMDL related associated with wholly or the Tier A	IV.C.2.a.i	Certify in each annual report that approved or adopted TMDLs have been identified and reviewed and stormwater related pollutants identified. Records required by Part IV.C.2.a.i, a.ii and a.iii shall be kept in the SPPP.	EDPA + 12 months

ified in .i to: (1) assist ater facility les for repairs l Stormwater) identify and pecific sources ts contributing this Tier A	IV.C.2.a.ii	Certify in each annual report that the municipality has used information identified in compliance with Part VI.C.2.a.i to (1) assist in the prioritization of repairs as required at Part IV.B.6.b.iv (Stream Scouring) and IV.C.31.a.iv (Stormwater Facilities Maintenance); and (2) identify and develop strategies to address specific sources of stormwater related pollutants contributing to discharges authorized under this Tier A MS4 NJPDES permit.	EDPA + 12 months
on identified in	IV.C.2.a.iii	Certify in each annual report that the municipality has updated its SPPP to list information identified in Part VI.C.2.a.i and ii.	EDPA + 12 months
ified in Part eature	IV.C.2.a.iv	Certify in each annual report that the municipality has incorporated any strategies identified in Part VI.C.2.a.ii(2) as an Optional Measure.	EDPA + 12 months

Attachment B – Points System for Public Education and Outreach Activities

The Tier A Municipality shall implement a Public Education and Outreach Program that focuses on educational and pollution prevention activities about the impacts of stormwater discharges on surface water and groundwater and to involve the public in reducing pollutants in stormwater runoff and mitigating flow.

The Tier A Municipality shall **annually** conduct educational activities that total at least **12 points** and include activities from at least three of the five categories found below. At a minimum, at least one of the activities shall involve educating businesses and the general public of hazards associated with illicit connections and improper disposal of waste. Each approved activity is listed below with an assigned point value. Additional information on how to conduct these Public Education and Outreach activities can be found under Notes and Definitions Part IV.A.3 and 4 of this Tier A MS4 NJPDES permit. Records shall be kept necessary to demonstrate compliance with this requirement, including date of activities and any other relevant documentation.

Category 1: General Public Outreach		
Activity	Description	Points
Website and Social Media	Maintain a stormwater related page on the municipal website or on a municipal social media site. The web page may include links to other stormwater related resources, including the NJDEP stormwater website (www.njstormwater.org).	1
Newspaper Ad	Use Department created and approved stormwater education materials available on www.cleanwater.nj.org to publish an ad in a newspaper or newsletter that serves the municipality.	1
Radio/Television	Broadcast a radio or television public service announcement from www.cleanwater.nj.org on a local radio or municipal public service channel.	1
Green Infrastructure Signage	Post signs at municipally-owned green infrastructure sites that describe the function and importance of the infrastructure, contact phone number, municipal identification number, and/or website for more information. *New signs receive 0.5 credits per sign. Existing signs that are maintained or upgraded receive 0.25 credits per sign. A maximum of 5 credits are allowed.	5*
Billboard/Sign	Produce and maintain (for credit in subsequent years) a billboard or sign which can be displayed on a bus, bus stop shelter, recreation field (outfield sign), or other similar public venue.	2
Mural	Produce and maintain (for credit in subsequent years) the planning and painting of a stormwater pollution themed mural, storm drain art or other artwork at a local downtown/commercial area or other similar public venue.	2
Stormwater Facility Signage	Post signs at municipally-owned stormwater management basins or other structural stormwater related facilities that describe the function and importance of the facility, contact phone number, municipal identification number, and/or website for more information. *New signs receive 0.5 credits per sign. Existing signs that are maintained or upgraded receive 0.25 credits per sign. A maximum of 5 credits are allowed.	5*

Category 2: Targeted Audiences Outreach		
Activity	Description	Points
Stormwater Display	Present a stormwater related display or materials at any municipal event (e.g., Earth Day, town picnic), at the municipal building or other similar public venue.	1
Promotional Item	Distribute an item or items with a stormwater related message (e.g., refrigerator magnets, temporary tattoos, key chains, bookmarks, pet waste bag dispensers, coloring books, and pens or pencils). Municipality must initially have available a minimum number of the items equal to 10% of the municipal population.	2
Mailing or e-Mailing Campaign	Provide information to all known owners of stormwater facilities not owned or operated by the municipality (i.e., privately owned) highlighting the importance of proper maintenance of stormwater measures. For assistance, see information at www.nj.gov/dep/stormwater/maintenance_guidance.htm .	3
Mailing or e-Mailing Campaign	Distribute any of the Department's educational brochures, tip cards, or a municipally produced equivalent (e.g., community calendar, newsletter, or recycling schedule) via a mailing to every resident and business in the municipality.	2
Ordinance Education	Distribute a letter or e-mail from the mayor or municipal official to every resident and business in the municipality highlighting the requirements and environmental benefits of the Pet Waste, Wildlife Feeding, Litter Control, Improper Disposal of Waste, Containerized Waste/Yard Waste Collection, Private Storm Drain Inlet Retrofitting and Illicit Connection ordinances. Provide a link to the municipal website where subject ordinances are posted.	3

Category 3: School / Youth Education and Activities		
Activity	Description	Points
School Presentations	Provide water-related educational presentation(s) and/or activities to local preschool, elementary, middle, and/or high school classes using municipal staff or local partner organizations. Topics could include stormwater, nonpoint source pollution, watersheds, water conservation and water quality. For ideas, see information at www.nj.gov/dep/seeds . *Presentations receive 1 credit per presentation, with a maximum of 5 credits allowed.	5*
Water Education Workshops	Provide water-related professional development workshops for local teachers from a registered NJ Department of Education Professional Development Provider.	2
Storm Drain Labeling	Organize a project to label and/or maintain storm drain labels (that are not already precast with a message) with a scout troop, local school district, or faith based group, or other community youth group for a minimum of 40 labels. This project could also include stenciling over precast labels to improve legibility.	3
Educational Contest for Schools	Organize an educational contest with a local school district or a local community organization serving youth to design a poster, magnet, rain stick, rain barrel or other craft/art object. Contest themes shall have an appropriate stormwater message. Winning entries are to be displayed at publicly accessible locations within the municipality such as at the town hall, library, post office, or school. The winning design should be shown on the municipality's website or social media site, if practical.	3
AmeriCorps Event	Coordinate an event (e.g. volunteer stream monitoring, educational presentations, or stormwater awareness project) through <u>AmeriCorps NJ Watershed Ambassador Program</u>	4
Clean-up	Sponsor or organize a litter clean up for a scout troop, local school district, faith based group or other community youth group along a local waterway, public park, stormwater facility, or in an area with storm drains that discharge to a local lake or waterway.	3

Category 4: Watershed/Regional Collaboration		
Activity	Description	Points
Regional Stormwater Collaboration	Participate in a regional stormwater, community collaborative or other watershed-based group on a regular basis to discuss impaired waterbodies, TMDLs, regional stormwater related issues, or watershed restoration plans that address those waterbodies. Evaluate, develop and implement remedies that resolve stormwater-related issues within the affected waterbody or watershed.	3
Green Infrastructure Workshop	Organize or participate in a rain barrel, rain garden or other green infrastructure workshop on a regional or watershed basis. This could be a partnership exercise with a local watershed organization, utility, university, school, youth/faith based group, and/or other organization.	3
Community Activity	Organize or participate in the organization of a regional or watershed based event to carry out stormwater activities such as stormwater facility maintenance or litter clean-up. The municipality may identify and enter into a partnership agreement with a local group such as a watershed organization, utility, university, school, youth/faith based group, and/or other organization to carry out these activities.	3

Category 5: Community Involvement Activities		
Activity	Description	Points
Volunteer Stormwater Assessment or Stream Monitoring	Establish a volunteer stormwater facility assessment (inspection, inventory and/or mapping) or stream monitoring program for a waterbody within the municipality in order to gauge the health of the waterway through chemical, biological or visual monitoring protocols. Contact NJDEP's <u>AmeriCorps NJ Watershed Ambassador Program</u> or review <u>USEPA National Directory of Volunteer Monitoring Programs</u> .	3
Rain Barrel Workshop	Organize or participate in a rain barrel workshop. This could be a partnership exercise with a local watershed organization, university, school, youth/faith based group, and/or other nonprofit.	3
Rain Garden Workshop	Organize or participate in a rain garden training or installation workshop. This could be a partnership exercise with a local watershed organization, university, school, youth/faith based group, and/or other nonprofit.	3
Community Event	Organize or participate in the organization of a community event to carry out stormwater activities such as stormwater measure maintenance or a stream buffer restoration. The municipality may identify and enter into a partnership agreement with a local group such as a watershed organization, university, utility, school, youth/faith based group, and/or other nonprofit to carry out these activities.	3
Community Involvement	Organize a project with a local organization to create and post signs at either green and/or gray stormwater infrastructure sites or facilities that describe the function and importance of the facility, contact phone number, municipal identification number, and/or website for more information. *Signs receive 0.5 credits per sign. A maximum of 5 credits are allowed.	5*

Attachment C - Design Standards for Storm Drain Inlets

Application of Design Standard

The below design standard applies to the following types of storm drain inlet installation or retrofit projects unless a more stringent standard is specified by the municipality's stormwater control ordinance:

- Storm drain inlets installed as part of new development and redevelopment (public or private) that disturb one acre or more;
 - Storm drain inlets installed as part of new development and redevelopment (public or private) that disturb less than one acre that are part of a larger common plan of development or sale (e.g. phased residential development) that ultimately disturbs one acre or more;
- Tier A Municipality owned or operated storm drain inlets must be retrofitted where the storm drains are (1) in direct contact with any repaving, repairing (excluding individual pothole repair), or resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen); or (2) in direct contact with any reconstruction or alteration of facilities; and
- Privately owned or operated storm drain inlets (e.g. condominium association) must be retrofitted where the storm drains are (1) in direct contact with any repaving, repairing (excluding individual pothole repair), or resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen); or (2) in direct contact with any reconstruction or alteration of facilities. This does not include single family homes.

Design Standard

Grates in pavement or other ground surfaces shall meet either of the following standards:

- The New Jersey Department of Transportation (NJDOT) bicycle safe grate standards described in Chapter 2.4 of the NJDOT Bicycle Compatible Roadways and Bikeways Planning and Design Guidelines (see www.nj.gov/transportation/publicat/pdf/BikeComp/introtofac.pdf); or
- A grate where each individual clear space in that grate has an area of no more than seven (7.0) square inches, or is not greater than 0.5 inches across the smallest dimension. Note that the Residential Site Improvement Standards at N.J.A.C. 5:21 include requirements for bicycle safe grates.

Examples of grates subject to this standard include grates in grate inlets; the grate portion (non-curb opening portion) of combination inlets; grates on storm sewer manholes; ditch grates; trench grates; and grates of spacer bars in slotted drains. Examples of ground surfaces include surfaces of roads, (including bridges), driveways, parking areas, bikeways, plazas, sidewalks, lawns, fields, open channels, and stormwater basin floors used to collect stormwater from the surface into a storm drain or surface water body.

For curb-openings inlets, including curb-opening inlets in combination inlets, the clear space in the curb opening, or each individual clear space if the curb opening has two or more clear spaces, shall have an area of no more than seven (7.0) square inches or be no greater than two (2.0) inches across the smallest dimension.

Exemptions from the Design Standard

- Where each individual clear space in the curb opening in existing curb-opening inlets does not have an area of more than nine (9.0) square inches;
- Where the review agency determines that the standards would cause inadequate hydraulic performance that could not practicably be overcome by using additional or larger storm drain inlets;
- Where flows from the water quality design storm as specified in N.J.A.C. 7:8 are conveyed through any device (e.g., end of pipe netting facility, manufactured treatment device, or a catch basin hood) that is designed, at a minimum, to prevent delivery of all solid and floatable materials that could not pass through one of the following:

A rectangular space four and five-eighths inches long and one and one-half inches wide (this option does not apply for outfall netting facilities); or

A bar screen having a bar spacing of 0.5 inches;

Note that these exemptions do not authorize any infringement of requirements in the Residential Site Improvement Standards for bicycle safe grates in new residential development (N.J.A.C. 5:21-4.18(b)2 and 7.4(b)1).

- Where flows are conveyed through a trash rack that has parallel bars with one inch (1") spacing between the bars, to the elevation of the water quality design storm as specified in N.J.A.C. 7:8; or
- Where the Department determines, pursuant to the New Jersey Register of Historic Places Rules at N.J.A.C. 7:4-7.2(c), that action to meet the standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register listed historic property.

Attachment D – Major Development Stormwater Summary**General Information**

1. Project Name:			
2. Municipality:	County:	Block(s):	Lot(s):
3. Site Location (State Plane Coordinates – NAD83):	E:	N:	
4. Date of Final Approval for Construction by Municipality:			
Date of Certificate of Occupancy:			
5. Project Type (circle all that apply):			
Residential Commercial Industrial Other (please specify) _____			
6. Soil Conservation District Project Number:			
7. Did project require NJDEP Land Use Permit? Yes No Land Use Permit #:			
8. Did project require the use of any mitigation measures? Yes No			
If yes, which standard was mitigated?			

Site Design Specifications

1. Area of Disturbance (acres):	Area of Proposed Impervious (acres):
2. List all Hydrologic Soil Groups:	
3. Please Identify the Amount of Each Best Management Practices (BMPs) Utilized in Design Below:	
Bioretention Systems _____ Constructed Wetlands _____ Dry Wells _____ Extended Detention Basins _____	
Infiltration Basins _____ Combination Infiltration/Detention Basins _____ Manufactured Treatment Devices _____	
Pervious Paving Systems _____ Sand Filters _____ Vegetative Filter Strips _____ Wet Ponds _____	
Grass Swales _____ Subsurface Gravel Wetlands _____ Other _____	

Storm Event Information

Storm Event: Rainfall (inches and duration)	2 yr.: _____	10 yr.: _____
	100 yr.: _____	WQ DS: _____
Runoff Computation Method (circle one):		
NRCS: Dimensionless Unit Hydrograph NRCS: Delmarva Unit Hydrograph Rational Modified Rational		
Other: _____		

Basin Specifications (answer all that apply)

If more than one basin, attach multiple sheets

1. Type of Basin:	Surface/Subsurface (circle one)
2. Owner (circle one):	
Public	Private: If so, Name: _____ Phone number: _____
3. Basin Construction Completion Date:	
4. Drain Down Time (hr.):	
5. Design Soil Permeability (in./hr.):	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): _____ Date Obtained: _____	
7. Groundwater Recharge Methodology (circle one): 2 Year Difference NJGRS Other NA	
8. Groundwater Mounding Analysis (circle one): Yes No If, Yes Methodology Used: _____	
9. Maintenance Plan Submitted: Yes No Is the Basin Deed Restricted: Yes No	

Comments: _____

Name of Person Filling Out This Form: _____

Signature: _____

Title: _____

Date: _____

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*			
10. Type of Basin:	Surface/Subsurface (circle one)		
11. Owner (circle one):	Public Private: If so, Name: Phone number:		
12. Basin Construction Completion Date:			
13. Drain Down Time (hr.):			
14. Design Soil Permeability (in./hr.):			
15. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:		
16. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other NA
17. Groundwater Mounding Analysis (circle one):	Yes No	If, Yes Methodology Used:	
18. Maintenance Plan Submitted: Yes No	Is the Basin Deed Restricted: Yes No		

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*			
19. Type of Basin:	Surface/Subsurface (circle one)		
20. Owner (circle one):	Public Private: If so, Name: Phone number:		
21. Basin Construction Completion Date:			
22. Drain Down Time (hr.):			
23. Design Soil Permeability (in./hr.):			
24. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:		
25. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other NA
26. Groundwater Mounding Analysis (circle one):	Yes No	If, Yes Methodology Used:	
27. Maintenance Plan Submitted: Yes No	Is the Basin Deed Restricted: Yes No		

Basin Specifications (answer all that apply) *If more than one basin, attach multiple sheets*			
28. Type of Basin:	Surface/Subsurface (circle one)		
29. Owner (circle one):	Public Private: If so, Name: Phone number:		
30. Basin Construction Completion Date:			
31. Drain Down Time (hr.):			
32. Design Soil Permeability (in./hr.):			
33. Seasonal High Water Table Depth from Bottom of Basin (ft.):	Date Obtained:		
34. Groundwater Recharge Methodology (circle one):	2 Year Difference	NJGRS	Other NA
35. Groundwater Mounding Analysis (circle one):	Yes No	If, Yes Methodology Used:	
36. Maintenance Plan Submitted: Yes No	Is the Basin Deed Restricted: Yes No		

Name of Person Filling Out This Form: _____

Signature: _____

Title: _____

Date: _____

Attachment E – Best Management Practices for Municipal Maintenance Yards and Other Ancillary Operations

The Tier A Municipality shall implement the following practices at municipal maintenance yards and other ancillary operations owned or operated by the municipality. Inventory of Materials and Machinery, and Inspections and Good Housekeeping shall be conducted at all municipal maintenance yards and other ancillary operations. All other Best Management Practices shall be conducted whenever activities described below occur. Ancillary operations include but are not limited to impound yards, permanent and mobile fueling locations, and yard trimmings and wood waste management sites.

Inventory of Materials and Machinery

The SPPP shall include a list of all materials and machinery located at municipal maintenance yards and ancillary operations which could be a source of pollutants in a stormwater discharge. The materials in question include, but are not limited to: raw materials; intermediate products; final products; waste materials; by-products; machinery and fuels; and lubricants, solvents, and detergents that are related to the municipal maintenance yard operations and ancillary operations. Materials or machinery that are not exposed to stormwater at the municipal maintenance yard or related to its operations do not need to be included.

Inspections and Good Housekeeping

1. Inspect the entire site, including the site periphery, monthly (under both dry and wet conditions, when possible). Identify conditions that would contribute to stormwater contamination, illicit discharges or negative impacts to the Tier A Municipality's MS4. Maintain an inspection log detailing conditions requiring attention and remedial actions taken for all activities occurring at Municipal Maintenance Yards and Other Ancillary Operations. This log must contain, at a minimum, a record of inspections of all operations listed in Part IV.B.5.c. of this permit including dates and times of the inspections, and the name of the person conducting the inspection and relevant findings. This log must be kept on-site with the SPPP and made available to the Department upon request. See the Tier A Municipal Guidance document (www.nj.gov/dep/dwq/tier_a_guidance.htm) for additional information.
2. Conduct cleanups of spills of liquids or dry materials immediately after discovery. All spills shall be cleaned using dry cleaning methods only. Clean up spills with a dry, absorbent material (i.e., kitty litter, sawdust, etc.) and sweep the rest of the area. Dispose of collected waste properly. Store clean-up materials, spill kits and drip pans near all liquid transfer areas, protected from rainfall.
3. Properly label all containers. Labels shall be legible, clean and visible. Keep containers in good condition, protected from damage and spillage, and tightly closed when not in use. When practical, store containers indoors. If indoor storage is not practical, containers may be stored outside if covered and placed on spill platforms or clean pallets. An area that is graded and/or bermed to prevent run-through of stormwater may be used in place of spill platforms or clean pallets. Outdoor storage locations shall be regularly maintained.

Fueling Operations

1. Establish, maintain and implement standard operating procedures to address vehicle fueling; receipt of bulk fuel deliveries; and inspection and maintenance of storage tanks, including the associated piping and fuel pumps.
 - a. Place drip pans under all hose and pipe connections and other leak-prone areas during bulk transfer of fuels.
 - b. Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms or booms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel shall be within the temporarily bermed or boomed area during the loading/unloading of bulk fuels. A trained employee shall be present to supervise the bulk transfer of fuel.
 - c. Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment. Include all of the following:
 - “Topping off of vehicles, mobile fuel tanks, and storage tanks is strictly prohibited”
 - “Stay in view of fueling nozzle during dispensing”
 - Contact information for the person(s) responsible for spill response.
 - d. Immediately repair or replace any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair.

Discharge of Stormwater from Secondary Containment

The discharge pipe/outfall from a secondary containment area (e.g. fuel storage, de-icing solution storage, brine solution) shall have a valve and the valve shall remain closed at all times except as described below. A municipality may discharge stormwater accumulated in a secondary containment area if a visual inspection is performed to ensure that the contents of aboveground storage tank have not come in contact with the stormwater to be discharged. Visual inspections are only effective when dealing with materials that can be observed, like petroleum. If the contents of the tank are not visible in stormwater, the municipality shall rely on previous tank inspections to determine with some degree of certainty that the tank has not leaked. If the municipality cannot make a determination with reasonable certainty that the stormwater in the secondary containment area is uncontaminated by the contents of the tank, then the stormwater shall be hauled for proper disposal.

Vehicle Maintenance

1. Operate and maintain equipment to prevent the exposure of pollutants to stormwater.
2. Whenever possible, conduct vehicle and equipment maintenance activities indoors. For projects that must be conducted outdoors, and that last more than one day, portable tents or covers shall be placed over the equipment being serviced when not being worked on, and drip pans shall be used at all times. Use designated areas away from storm drains or block storm drain inlets when vehicle and equipment maintenance is being conducted outdoors.

On-Site Equipment and Vehicle Washing and Wash Wastewater Containment

1. Manage any equipment and vehicle washing activities so that there are no unpermitted discharges of wash wastewater to storm sewer inlets or to waters of the State.
2. Tier A Municipalities which cannot discharge wash wastewater to a sanitary sewer or which cannot otherwise comply with 1, above, may temporarily contain wash wastewater prior to proper disposal under the following conditions:
 - a. Containment structures shall not leak. Any underground tanks and associated piping shall be tested for integrity every 3 years using appropriate methods determined by "*The List of Leak Detection Evaluations for Storage Tank Systems*" created by the National Work Group on Leak Detection Evaluations (NWGLDE) or as determined appropriate and certified by a professional engineer for the site specific containment structure(s).
 - b. For any cathodically protected containment system, provide a passing cathodic protection survey every three years.
 - c. Operate containment structures to prevent overfilling resulting from normal or abnormal operations, overfilling, malfunctions of equipment, and human error. Overfill prevention shall include manual sticking/gauging of the tank before each use unless system design prevents such measurement. Tank shall no longer accept wash wastewater when determined to be at 95% capacity. Record each measurement to the nearest ½ inch.
 - d. Before each use, perform inspections of all visible portions of containment structures to ensure that they are structurally sound, and to detect deterioration of the wash pad, catch basin, sump, tank, piping, risers, walls, floors, joints, seams, pumps and pipe connections or other containment devices. The wash pad, catch basin, sump and associated drains should be kept free of debris before each use. Log dates of inspection; inspector's name, and conditions. This inspection is not required if system design prevents such inspection.
 - e. Containment structures shall be emptied and taken out of service immediately upon detection of a leak. Complete all necessary repairs to ensure structural integrity prior to placing the containment structure back into service. Any spills or suspected release of hazardous substances shall be immediately reported to the NJDEP Hotline (1-877-927-6337) followed by a site investigation in accordance with N.J.A.C. 7:26C and N.J.A.C 7:26E if the discharge is confirmed.
 - f. All equipment and vehicle wash wastewater placed into storage must be disposed of in a legally permitted manner (e.g. pumped out and delivered to a duly permitted and/or approved wastewater treatment facility).
 - g. Maintain a log of equipment and vehicle wash wastewater containment structure clean-outs including date and method of removal, mode of transportation (including name of hauler if applicable) and the location of disposal. See Underground Vehicle Wash Water Storage Tank Use Log at end of this attachment.
 - h. Containment structures shall be inspected annually by a NJ licensed professional engineer. The engineer shall certify the condition of all structures including: wash pad, catch basin,

sump, tank, piping, risers to detect deterioration in the, walls, floors, joints, seams, pumps and pipe connections or other containment devices using the attached Engineer's Certification of Annual Inspection of Equipment and Vehicle Wash Wastewater Containment Structure. This certification may be waived for self-contained systems on a case-by-case basis. Any such waiver would be issued in writing by the Department.

3. Maintain all logs, inspection records, and certifications on-site. Such records shall be made available to the Department upon request.

Salt and De-icing Material Storage and Handling

1. Store material in a permanent structure.
2. Perform regular inspections and maintenance of storage structure and surrounding area.
3. Minimize tracking of material from loading and unloading operations.
4. During loading and unloading:
 - a. Conduct during dry weather, if possible;
 - b. Prevent and/or minimize spillage; and
 - c. Minimize loader travel distance between storage area and spreading vehicle.
5. Sweep (or clean using other dry cleaning methods):
 - a. Storage areas on a regular basis;
 - b. Material tracked away from storage areas;
 - c. Immediately after loading and unloading is complete.
6. Reuse or properly discard materials collected during cleanup.
7. Temporary outdoor storage is permitted only under the following conditions:
 - a. A permanent structure is under construction, repair or replacement;
 - b. Stormwater run-on and de-icing material run-off is minimized;
 - c. Materials in temporary storage are tarped when not in use;
 - d. The requirements of 2 through 6, above are met; and
 - e. Temporary outdoor storage shall not exceed 30 days unless otherwise approved in writing by the Department;
8. Sand must be stored in accordance with Aggregate Material and Construction Debris Storage below.

Aggregate Material and Construction Debris Storage

1. Store materials such as sand, gravel, stone, top soil, road millings, waste concrete, asphalt, brick, block and asphalt based roofing scrap and processed aggregate in such a manner as to minimize stormwater run-on and aggregate run-off via surface grading, dikes and/or berms (which may include sand bags, hay bales and curbing, among others) or three sided storage bays. Where possible the open side of storage bays shall be situated on the upslope. The area in front of storage bays and adjacent to storage areas shall be swept clean after loading/unloading.
2. Sand, top soil, road millings and processed aggregate may only be stored outside and uncovered if in compliance with item 1 above and a 50-foot setback is maintained from surface water bodies, storm sewer inlets, and/or ditches or other stormwater conveyance channels.
3. Road millings must be managed in conformance with the "Recycled Asphalt Pavement and Asphalt Millings (RAP) Reuse Guidance" (see www.nj.gov/dep/dshw/rtrp/asphaltguidance.pdf) or properly disposed of as solid waste pursuant to N.J.A.C. 7:26-1 et seq.
4. The stockpiling of materials and construction of storage bays on certain land (including but not limited to coastal areas, wetlands and floodplains) may be subject to regulation by the Division of Land Use Regulation (see www.nj.gov/dep/landuse/ for more information).

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

1. For the purposes of this permit, this BMP is intended for road cleanup materials as well as other similar materials. Road cleanup materials may include but are not limited to street sweepings, storm sewer clean out materials, stormwater basin clean out materials and other similar materials that may be collected during road cleanup operations. These BMPs do not cover materials such as liquids, wastes which are removed from municipal sanitary sewer systems or material which constitutes hazardous waste in accordance with N.J.A.C. 7:26G-1.1 et seq.
2. Road cleanup materials must be ultimately disposed of in accordance with N.J.A.C. 7:26-1.1 et seq. See the "Guidance Document for the Management of Street Sweepings and Other Road Cleanup Materials" (www.nj.gov/dep/dshw/rtrp/sweeping.htm).
3. Road cleanup materials placed into storage must be, at a minimum:
 - a. Stored in leak-proof containers or on an impervious surface that is contained (e.g. bermed) to control leachate and litter; and
 - b. Removed for disposal (in accordance with 2, above) within six (6) months of placement into storage.

Yard Trimmings and Wood Waste Management Sites

1. These practices are applicable to any yard trimmings or wood waste management site:
 - a. Owned and operated by the Tier A Municipality;
 - i. For staging, storing, composting or otherwise managing yard trimmings, or
 - ii. For staging, storing or otherwise managing wood waste, and
 - b. Operated in compliance with the Recycling Rules found at N.J.A.C. 7:26A.
2. Yard trimmings or wood waste management sites must be operated in a manner that:
 - a. Diverts stormwater away from yard trimmings and wood waste management operations; and
 - b. Minimizes or eliminates the exposure of yard trimmings, wood waste and related materials to stormwater.
3. Yard trimmings and wood waste management site specific practices:
 - a. Construct windrows, staging and storage piles:
 - i. In such a manner that materials contained in the windrows, staging and storage piles (processed and unprocessed) do not enter waterways of the State;
 - ii. On ground which is not susceptible to seasonal flooding;
 - iii. In such a manner that prevents stormwater run-on and leachate run-off (e.g. use of covered areas, diversion swales, ditches or other designs to divert stormwater from contacting yard trimmings and wood waste).
 - b. Maintain perimeter controls such as curbs, berms, hay bales, silt fences, jersey barriers or setbacks, to eliminate the discharge of stormwater runoff carrying leachate or litter from the site to storm sewer inlets or to surface waters of the State.
 - c. Prevent on-site storm drain inlets from siltation using controls such as hay bales, silt fences, or filter fabric inlet protection.
 - d. Dry weather run-off that reaches a municipal stormwater sewer system is an illicit discharge. Possible sources of dry weather run-off include wetting of piles by the site operator; uncontrolled pile leachate or uncontrolled leachate from other materials stored at the site.
 - e. Remove trash from yard trimmings and wood waste upon receipt.
 - f. Monitor site for trash on a routine basis.
 - g. Store trash in leak-proof containers or on an impervious surface that is contained (e.g. bermed) to control leachate and litter;
 - h. Dispose of collected trash at a permitted solid waste facility.
 - i. Employ preventative tracking measures, such as gravel, quarry blend, or rumble strips at exits.

Roadside Vegetation Management

1. Tier A Municipalities shall restrict the application of herbicides along roadsides in order to prevent it from being washed by stormwater into the waters of the State and to prevent erosion caused by de-vegetation, as follows: Tier A Municipalities shall not apply herbicides on or adjacent to storm drain inlets, on steeply sloping ground, along curb lines, and along unobstructed shoulders. Tier A Municipalities shall only apply herbicides within a 2 foot radius around structures where overgrowth presents a safety hazard and where it is unsafe to mow.

**ENGINEERS CERTIFICATION OF ANNUAL INSPECTION OF EQUIPMENT
AND VEHICLE WASH WASTEWATER CONTAINMENT STRUCTURE**
(Complete a separate form for each vehicle wash wastewater containment structure)

Permittee: _____ NJPDES Permit No: _____

Containment Structure Location: _____

The annual inspection of the above referenced vehicle wash wastewater containment structure was conducted on _____ (date). The containment structure and appurtenances have been inspected for:

1. The integrity of the structure including walls, floors, joints, seams, pumps and pipe connections
2. Leakage from the structure's piping, vacuum hose connections, etc.
2. Bursting potential of tank.
3. Transfer equipment
4. Venting
5. Overflow, spill control and maintenance.
6. Corrosion, splits, and perforations to tank, piping and vacuum hoses

The tank and appurtenances have been inspected for all of the above and have been determined to be:

Acceptable _____

Unacceptable _____

Conditionally Acceptable _____

List necessary repairs and other conditions: _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment (N.J.A.C. 7:14A-2.4(d)).

Name (print): _____ Seal: _____

Signature: _____

Date: _____

Underground Vehicle Wash Water Storage Tank Use Log

y _____

Tank Location _____

Tank Height _____ inches

95% Volume _____ inches

_____ gallons

_____ gallons

<u>Height of Product Before Introducing Liquid (inches)</u>	<u>Is Tank Less Than 95% Full? (Y/N)</u>	<u>Visual Inspection Pass? (Y/N)</u>	<u>Comments</u>

in the tank should be measured **before** each use.

be introduced if the tank contains liquid at 95% of the capacity or greater.

of all exposed portions of the collection system should be performed before each use. Use the comments column to
 tion and any repairs.

Underground Vehicle Wash Water Storage Tank Pump Out Log

y _____

Tank Location _____

_____ gallons

!	<u>Waste Hauler *</u>	<u>Destination of the Liquid Disposal *</u>

tain copies of all hauling and disposal records and make them available for inspection



Fairview Neighborhood

Facility ID No.	Street Location	From	To	Dimensions (in.)		Cor Inle
				Size	Length	
	ALABAMA ROAD	ROANOKE RD. / HARTFORD	S. MERRIMAC RD.	15	632	IR-32
	ALABAMA ROAD	ARGUS RD.	ROANOKE RD. / HARTFORD	18	529	IR-69
	ALABAMA ROAD	S. ATLANTA	S. CONGRESS	18	160	IR-13
	ALLEY - ALABAMA AND KEARSARGE	YORKSHIP	S. OCTAGON RD.	18	241	IR-66
	ALLEY - ALABAMA AND KEARSARGE	S. OCTAGON	SCHOOL WALKWAY (200FT FROM ALABAMA	36	206	IR-12
	ALLEY - COLLINGS AND MERRIMAC	ALLEY 150FT FROM NEW JERSEY	NEW JERSEY AVE	12	185	IR-51
	ALLEY - CONGRESS AND CONSTITUTION	75FT FROM CHESAPEAKE	CHESAPEKE RD	12	78	IC-49
	ALLEY - CONSTITUTION AND YORK	110 FT S. OF N. CONGRESS RD.	N. CONGRESS RD.	12	118	IC-49
	ALLEY - ESSEX AND PORTER	ESSEX	SUMTER	15	206	IR-89
	ALLEY - IDAHO AND YORKSHIP	70FT FROM TUCKAHOE	NORTH SIDE OF TUCKAHOE RD.	12	73	IR-16
	ALLEY - NIAGARA AND IRONSIDE	80FT W. OF SUMTER	NIAGARA AND SUMTER	12	195	IR-91
	ALLEY - S. YORK AND S. OCTAGON	150T FROM OCTAGON	S. OCTAGON RD.	12	158	IC-49
	ALLEY - SUMTER AND KANSAS	TUCKAHOE	50FT S. OF TUCKAHOE AND SUMTER	12	64	IR-17
	ALLEY - TRENT AND KANSAS	150FT EAST OF SUMTER	SUMTER RD	12	165	IC-49
	ALLEY - WASP AND SUMTER	WASP AND KANSAS	TUCKAHOE AND SUMTER	12	432	IR-17
	ARGUS ROAD	150FT EAST OF E OCTAGON	ALABAMA	12	279	IR-80
	CHESAPEAKE ROAD	CONSTITUTION	N. MERRIMAC RD.	24	252	IR-27
	CHESAPEAKE ROAD	N. MERRIMAC	220FT EAST OF HARTFORD	18	185	IR-76
	CHESAPEAKE ROAD	HARTFORD	150FT WEST OF N. MERRIMAC	12	221	IR-73
	COLLINGS ROAD	KEARSARGE	TUCKAHOE	18	286	IC-88
	COLLINGS ROAD	TUCKAHOE	100FT PASS COLORADO	27	336	IC-75
	COLLINGS ROAD	50 FT EAST OF ALABAMA	ALABAMA	12	56	IR-13
	COLORADO ROAD	COLORADO	N. COLLINGS	12	48	IC-53
	CONGRESS	OLYMPIA	N. CHESAPEAKE	12	153	IR-17
	CONSTITUTION	CONSTITUTION AND CONGRESS	100FT S. OF MORGAN AND CONGRESS	15	148	IR-50
	CONSTITUTION ROAD	30FT N. OF CHESAPEAKE RD.	SE CORNER OF CHESAPEAKE RD	12	63	IR-26
	DIRT PATH TO OUTFALL	TENNESSEE	200FT N. OF OUTFALL	12	169	IC-41
	EAST OCTAGON ROAD	S COMMON RD.	W AMERICA RD.	12	68	IR-12
	HORNET ROAD	N. CONGRESS	N. CONSTITUTION	12	274	IR-10
	IDAHO STRAIGHT TO OUTFALL	IDAHO AND TUCKAHOE	OUTFALL-50	12	246	IR-16
	INDEPENDENCE ROAD	S. ATLANTA	LIVINGTON WAKL	12	226	IR-11
	INDEPENDENCE ROAD	LIVINGTON WALKWAY	OUTFALL 47	18	355	IC-49
	INTERSTATE 676	100 FT PASS COLORADO ON COLLINGS	OUTFALL 49	15	1281	IR-10
	KANSAS	25FT FROM SUMTER	SUMTER	12	25	IR-13
	KANSAS	ALLEY 200FT S. OF TUCKAHOE	TUCKAHOE AND KANSAS	12	277	IC-49
	KANSAS STRAIGHT TO OUTFALL	TUCKAHOE AND KANSAS	OUTFALL 51	15	183	IR-17
	KEARSARGE	W. IRONSIDES	COLLINGS RD.	12	421	IC-44
	MERRIMAC	MERRIMAC	N. COLLINGS	12	68	IC-59
	MERRIMAC STREET TO OUTFALL	NEW JERSEY AVE	OUTFALL 23	36	391	IC-49
	MINNESOTA ROAD	MT. EPHRAIM	S. ATLANTA	12	326	IR-18
	MINNESOTA ROAD	S. ATLANTA	CONGRESS RD.	15	224	IR-11
	MINNESOTA ROAD	CONGRESS RD.	CONSTITUTION	18	261	IR-72
	MINNESOTA ROAD	CONSTITUTION	S. MERRIMAC RD.	24	447	IR-10
	MORGAN BLVD	100 FT N. OF TUCKAHOE	TUCKAHOE	12	129	IR-92
	N. ATLANTA	CORNER OF N. COLLINGS	S. COLLINGS	12	86	IR-85
	N. CHESAPEAKE	CONGRESS	CONSTITUTION	18	277	IR-18
	N. CONGRESS	100FT E. OF MORGAN BLVD	MORGAN BLVD	15	109	IR-50
	N. CONSTITUTION	REPUBLIC	ARGUS	20	256	IC-49
	N. CONSTITUTION	ARGUS RD.	CHESAPEKE RD	24	575	IR-25
	N. MERRIMAC ROAD	N. CONGRESS	N. CONSTITUTION	15	251	IR-17
	N. MERRIMAC ROAD	N. CONSTITUTION	30FT N. OF CHESAPEKE RD	27	273	IR-53
	N. MERRIMAC ROAD	CHESAPEAKE	S. COLLINGS	36	390	IR-77
	NEW JERSEY AVE	S. COLLINGS	MERRIMAC STREET	36	267	IR-14
	NIAGARA	100 FT EAST OF TUCKAHOE	ESSEX RD.	12	264	IC-49
	REPUBLIC ROAD	N. CONGRESS	N. CONSTITUTION	12	270	IR-10
	S. ATLANTA	CORNER OF S. COLLINGS	S. COLLINGS RD.	12	76	IR-16
	S. ATLANTA	N. SIDE ALABAMA	S. SIDE OF ALABAMA	12	103	IR-16
	S. COLLINGS	100FT WEST OF NEW JERSEY AVE	NJ AVE	15	248	IC-63
	S. COLLINGS ROAD	N. MERRIMAC	ALABAMA	36	328	IR-13
	S. COLLINGS ROAD	WEST IRONSIDE	100FT WEST OF NEW JERSEY AVE	15	344	IR-15



Fairview Neighborhood

Facility ID No.	Street Location	From	To	Dimensions (in.)		Cor Inle
				Size	Length	
	S. COLLINGS ROAD	CONSTITUTION	100FT W. OF N. MERRIMAC	15	572	IC-61
	S. COLLINGS ROAD	CONGRESS	CONSTITUTION	15	276	IR-14
	S. COLLINGS ROAD	N. ATLANTA	CONGRESS RD.	15	253	IR-14
	S. CONGRESS ROAD	150 FT FROM ALABAMA	ALABAMA RD.	15	203	IR-71
	S. MERRIMAC	S. COLLINGS CORNER	N. COLLINGS CORNER	12	53	IC-72
	S. MERRIMAC/ INDEPENDENCE ROAD	ALABAMA	OUTFALL-43	12	473	IR-16
	S. MERRIMAC	MINNESOTA	ALABAMA	24	116	IR-11
	S. OCTAGON	ALABAMA	SCHOOL WALKWAY (200FT FROM ALABAMA	24	224	IR-12
	S. YORKSHIP SQAURE	YORKSHIP SQAURE	ALABAMA	12	61	IR-65
	SCHOOL WALKWAY	S. OCTAGON	COLLINGS RD.	36	401	IC-49
	SUMTER ROAD	SE CORNER OF NIAGRA AND SUMTER	NW CORNER OF NIAGRA AND SUMTER	10	45	IR-40
	SUMTER ROAD	NIAGRA	S. COMMON RD.	18	158	IR-40
	SUMTER ROAD	S. COMMON	N. COMMON	20	120	IR-42
	SUMTER ROAD	N. COMMON	TRENT RD	24	154	IR-44
	SUMTER ROAD	TRENT	50FT N. OF KANSAS INTERSECTION	24	281	IR-16
	SUMTER STRAIGHT TO OUTFALL	TUCKAHOE	OUTFALL 52	24	214	IR-17
	THROUGH HOUSING COMPLEX	ALABAMA	INDEPENDENCE	20	325	IC-49
	THROUGH MARSH TO NEWTON CREEK	INDEPENDENCE	OUTFALL 46	18	227	IC-49
	TRENT ROAD	ESSEX	SUMTER	15	210	IR-60
	TRENT ROAD	1059 TRETN STREET	SUMTER RD	10	55	IR-16
	TUCKAHOE	50FT N. OF COLLINGS	N. COLLINGS	12	76	IC-82
	TUCKAHOE	S. COLLINGS CORNER	N. COLLINGS	12	68	IC-74
	TUCKAHOE	MONITOR	IC-82 50FT N. OF COLLINGS	18	163	IC-49
	TUCKAHOE	NIAGRA	MONITOR	15	413	IC-77
	TUCKAHOE	EAST SIDE OF STREET	WEST SIDE OF STREET	10	39	IC-78
	TUCKAHOE	EAST SIDE OF STREET	WEST SIDE OF STREET	10	24	IC-80
	W. AMERICA ROAD	W OCTAGON RD.	YORKSHIP SQAURE	15	281	IR-12
	W. IRONSIDE	N. COLLINGS	S. COLLINGS	12	61	IR-46
	W. IRONSIDE	N. COLLINGS	S. COLLINGS	12	118	IR-48
	WALKWAY - E. AMERICA AND YORK.	N. CONSTITUTION	YORKSHIP SQUARE	15	276	IR-12
	WALKWAY - W. AMERICA AND YORK.	WASP AND OCTAGON	YORKSHIP SQAURE	12	214	IR-11
	WEST OCTAGON ROAD	N COMMON RD.	W AMERICA RD.	12	88	IC-49
	YORKSHIP SQAURE	NW CORNER OF YORK SQAURE	50FT W AMERICA	12	62	IR-57
	YORKSHIP SQAURE	50FT S. OF TUCKAHOE	OUTFALL 50	15	386	IR-96
	YORKSHIP SQAURE	YORKSHIP	YORKSHIP SECONDARY	15	103	IR-96
	YORKSHIP SQAURE	N. OCTAGON	YORKSHIP SQUARE (NE CORNER)	12	365	IR-95
	YORKSHIP SQAURE	YORKSHIP SECONDARY	YORKSHIP	12	117	IR-56
	YORKSHIP SQAURE	NW CORNER OF YORK SQAURE	W. AMERICA	12	147	IR-85
	YORKSHIP SQAURE	KEARSARGE	ALLEY BETWEEN ALABAMA AND KEARSARGE	18	166	IR-86
	YORKSHIP SQAURE	W. AMERICA RD	KEARSARGE RD.	15	176	IR-87
	YORKSHIP SQAURE	NE CORNER OF E AMERICA	YORKSHIP SQAURE	12	28	IR-67
	YORKSHIP SQUARE (NE CORNER)	YORKSHIP SQUARE	E. AMERICA	24	122	IR-65
	YORKSHIP SQUARE THEN DOWN ALABAMA	E. AMERICA	S. OCTAGON RD.	24	380	IR-66
	ALLEY - MERRIMAC AND ALABAMA	50FT N. OF N. COLLINGS	N. COLLINGS	12	68	IC-46



Central Gateway Neighborhood

Facility ID No.	Street Location	From	To	Dimensions (in.)		Cor Inle
				Size	Length	
	S. 11TH STREET	SW corner of Newton and 11th	130ft west of SW corner of Newton and 11th	14	130.77	IC-23
	NEWTON AVE	SW Corner of Newton Ave	SE corner of Newton Ave	14	69.84	IC-24
	S. 11TH STREET	NE Corner of Flanders Ave and Memorial	Flanders Ave (250 ft from overpass)	15	423.96	IC-23
	S. 11TH STREET	North Side of Flanders Ave	South Side of Flanders Ave	15	48.29	IC-23
	S. 11TH STREET	NW Corner of Flanders and Memorial	Newton Ave	15	187.62	IC-23
	S. 11TH STREET	North side of 11th Street	South Side of 11th Street	15	53.84	IC-23
	MT. EPHRAIM AVE	Mt. Ephraim Ave	NE corner of Mt. Ephraim and 11th	15	87.33	IC-24
	S. 11TH STREET	Catch Basin IC-2386	Manhole (Mh-825)	15	52.96	IC-23
	S. 11TH STREET	MLK blvd	Wright Ave	15	44.45	IC-23
	NEWTON AVE	SW corner of Newton Ave and 11th	50ft South on Newton Ave	15	46.28	IC-24
	S. 11TH STREET	NE Corner of Flanders Ave and Memorial	SE Corner of Meorial and 11th Street	18	80.79	IC-23
	S. 11TH STREET	North Side of 11th (100 Feet from NE Corner)	South Side of 11th Street (100 feet from Corner)	18	57.32	IC-23
	S. 11TH STREET	North side of Newton and 11th	South side of Newton and 11th	18	58.67	IC-23
	S. 11TH STREET	Corner of Wright Ave	Corner Newton Ave	18	95.88	IC-23
	S. 11TH STREET	Newton Ave (SE Side)	Mt. Ephraim (SW Side)	24	387.72	IC-23
	S. 11TH STREET	SE Corner of Memorial and 11th Street	SW Corner of Memorial and 11th Street	30	180.33	IC-23
	S. 11TH STREET	150ft east of Mt. Ephraim Corner	150ft West of Memorial Ave Corner	30	102.13	IC-24
	MT. EPHRAIM AVE	North side of Mt. Ephraim	South side of Mt. Ephraim	30	84.33	IC-24
	S. 11TH STREET	NW corner of Mt. Ephraim and 11th	NE corner of Mt. Ephraim and 11th	30	67.17	IC-23
	S. 11TH STREET	NW Corner Mt. Ephraim Ave and 11th	Catch Basin IC-2416	30	57.51	IC-24
	S. 11TH STREET	NW side of Flanders ave (100ft from Corner)	Gravel Pathway leading to Cooper River	36	277.87	IC-23



Aquarium Neighborhood

Facility ID No.	Street Location	From	To	Dimensions (in.)		Cor Inle
				Size	Length	
	Parking Lot Street	Deleware and Parking Lot Street	River Drive	18	282	IC-17
	Parking Lot Street	N. Parking Lot	Parking Lot Street	15	70	IC-17
	Parking Lot Street	N. Parking Lot (NW Corner)	Parking Lot Street	15	32	IC-17
	Parking Lot Street	50ft S. of Riverside Drive	Riverside Drive	24	58	IC-17
	RiverSide Drive	150ft from Federal Street	S. Parking Lot Entrance	18	142	IC-16
	RiverSide Drive	S. Parking Lot Entrance	Bus Stop Entrance (150ft from Aquarium Dr.	24	120	IC-16
	Riverside Drive	Bus Stop Entrance	Aquarium Loop	30	180	IC-17
	River Side Drive	Aquarium Loop	100ft N. of Aquarium Loop	18	89	IC-17
	River Side Drive	100ft N. of Aquarium Drive	Aquarium Drive (North Entrance)	24	75	IC-17
	River Side Drive	Aquarium Drive (North Entrance)	Aquarium Walkway	42	414	IC-17
	Aquarium Loop	SE Corner of Aquarium Building	NE Corner of Aquarium Loop	24	94	IC-17
	Aquarium Loop	South Entrance	25ft from Aquarium Walkway	18	308	IC-17
	Aquarium Loop	25ft from Aquarium walkway	Aquarium Walkway	24	24	IC-17
	Aquarium Walkway	Aquarium Walkway	Outfall 3	48	171	IC-17
	Riverside drive	Market and Riverside	Aquarium Loop N. Entrance	18	151	IC-17
	Market Street	Market Street	Riverside Drive	15	170	IC-17
	Market Street	N. Corner of Market Street and Riverside	Riverside Drive	15	40	IC-17
	River Drive	100ft N. of makret	Market and Riverside	15	117	IC-17



South 16th Street

Facility ID No.	Street Location	From	To	Dimensions (in.)		Cor Inle
				Size	Length	
	S 16TH ST	END OF PIPE	MS4-129	24	71	IC-3'
	S 16TH ST	MS4-129	MS4-128	24	326	IC-3'
	S 16TH ST	MS4-129	MS4-132	36	825	IC-3'
	S 16TH ST	MS4-132	MS4-127	36	89	
	S 16TH ST	MS4-127	OF-04	42	217	
	CARMAN ST	MS4-129	MS4-133	8	153	
	MICKLE ST	MS4-130	MS4-131	8	106	IC-3'
	MICKLE ST	MS4-131	PIPE	8	106	



Fairview Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IC-38	MONITOR ROAD	CAST IRON	TYPE C	48	48
IC-39	MONITOR ROAD	CAST IRON	TYPE C	48	48
IR-16	IDAHO ROAD	CAST IRON	TYPE D	48	24
IR-17	WASP ROAD	CAST IRON	TYPE D	48	24
IR-18	WASP ROAD	CAST IRON	TYPE D	48	24
IC-40	TENNESSEE ROAD	CAST IRON	TYPE D	30	21
IC-41	TENNESSEE ROAD	CAST IRON	TYPE D	30	21
IR-22	TENNESSEE ROAD	CAST IRON	TYPE D	48	24
IC-42	TENNESSEE ROAD	CAST IRON	TYPE D	48	24
IR-25	S CONSTITUTION ROAD	STEEL	TYPE B	60	48
IR-26	S CONSTITUTION ROAD	STEEL	TYPE B	60	48
IR-27	S CONSTITUTION ROAD	CONCRETE	TYPE B	60	45
IR-29	ALABAMA ROAD	CAST IRON	TYPE A	48	24
IR-30	ALABAMA ROAD	CAST IRON	TYPE A	48	24
IR-31	ALABAMA ROAD	CAST IRON	TYPE A	48	24
IR-32	ALABAMA ROAD	CAST IRON	TYPE A	48	24
IR-35	ALABAMA ROAD	STEEL	TYPE B	60	46
IR-38	ALABAMA ROAD	CONCRETE	TYPE B	65	39
IR-39	ALABAMA ROAD	CONCRETE	TYPE B	65	39
IR-40	SUMTER ROAD	CAST IRON	TYPE D	48	24
IR-41	SUMTER ROAD	CAST IRON	TYPE D	48	24
IR-42	SUMTER ROAD	CAST IRON	TYPE D	48	24
IR-43	SUMTER ROAD	CAST IRON	TYPE D	48	24
IR-44	SUMTER ROAD	CAST IRON	TYPE D	48	24
IR-45	SUMTER ROAD	CAST IRON	TYPE D	48	24
IC-43	E IRONSIDE ROAD	STEEL	TYPE B	60	48
IC-44	E IRONSIDE ROAD	CONCRETE	TYPE B	60	39
IR-46	E IRONSIDE ROAD	CAST IRON	TYPE A	48	24
IR-47	E IRONSIDE ROAD	CAST IRON	TYPE A	48	24
IR-48	E IRONSIDE ROAD	CAST IRON	TYPE A	48	24
IR-50	N CONSTITUTION ROAD	CONCRETE	TYPE B	60	39
IC-48	S MERRIMAC ROAD	CAST IRON	TYPE D	48	24
IR-51	S MERRIMAC ROAD	CAST IRON	TYPE C	48	24
IR-53	N MERRIMAC ROAD	CONCRETE	TYPE B	60	39
IR-54	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-56	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-57	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-58	KERSARGE AVENUE	CAST IRON	TYPE C	48	24
IR-59	KERSARGE AVENUE	CAST IRON	TYPE C	48	24
IR-60	KERSARGE AVENUE	CAST IRON	TYPE C	48	24
IR-61	KERSARGE AVENUE	CAST IRON	TYPE C	48	24
IR-62	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-63	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-65	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-66	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-67	KERSARGE AVENUE	CAST IRON	TYPE A	48	24



Fairview Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IR-68	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-69	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IC-53	COLORADO ROAD	CAST IRON	TYPE D	30	21
IC-54	COLORADO ROAD	CAST IRON	TYPE A	48	24
IR-70	S CONGRESS ROAD	CONCRETE	TYPE B	63	36
IR-71	S CONGRESS ROAD	CONCRETE	TYPE B	60	39
IR-72	S CONGRESS ROAD	CONCRETE	TYPE B	60	45
IR-73	N CHESAPEAKE ROAD	CONCRETE	TYPE B	60	39
IR-74	N CHESAPEAKE ROAD	CONCRETE	TYPE B	60	39
IR-75	N CHESAPEAKE ROAD	CONCRETE	TYPE B	60	39
IR-76	N CHESAPEAKE ROAD	CONCRETE	TYPE B	60	39
IR-77	N CHESAPEAKE ROAD	STEEL	TYPE B	60	48
IR-78	N CHESAPEAKE ROAD	CONCRETE	TYPE B	60	48
IR-79	N CHESAPEAKE ROAD	CAST IRON	TYPE A	48	24
IR-80	ARGUS ROAD	CONCRETE	TYPE B	60	48
IR-81	ARGUS ROAD	CONCRETE	TYPE B	60	48
IR-82	AMERICA ROAD	CONCRETE	TYPE B	60	51
IR-83	AMERICA ROAD	CONCRETE	TYPE B	60	36
IR-84	N ATLANTA ROAD	CONCRETE	TYPE B	60	46
IR-85	N ATLANTA ROAD	CONCRETE	TYPE B	60	46
IR-86	N ATLANTA ROAD	CAST IRON	TYPE A	48	24
IR-87	NIAGRA ROAD	CAST IRON	TYPE D	48	24
IR-88	NIAGRA ROAD	CAST IRON	TYPE D	48	24
IR-89	NIAGRA ROAD	STEEL	TYPE B	60	48
IR-90	NIAGRA ROAD	CONCRETE	TYPE B	60	42
IR-91	NIAGRA ROAD	CAST IRON	TYPE C	48	24
IR-92	YORKSHIP ROAD	CAST IRON	TYPE D	48	24
IR-93	YORKSHIP ROAD	CAST IRON	TYPE D	48	24
IR-94	YORKSHIP ROAD	CAST IRON	TYPE A	48	24
IR-95	YORKSHIP ROAD	CAST IRON	TYPE A	48	24
IR-96	YORKSHIP ROAD SECONDARY	CAST IRON	TYPE A	48	24
IR-100	I-676			0	0
IR-101	CONGRESS ROAD	CONCRETE	TYPE B	60	36
IR-102	CONGRESS ROAD	CONCRETE	TYPE B	60	36
IR-103	CONGRESS ROAD	CONCRETE	TYPE B	60	48
IR-104	CONGRESS ROAD	CONCRETE	TYPE B	60	42
IR-105	MINNESOTA ROAD	CONCRETE	TYPE B	60	45
IR-106	MINNESOTA ROAD	CONCRETE	TYPE B	60	45
IR-107	MINNESOTA ROAD	CONCRETE	TYPE B	60	42
IR-108	MINNESOTA ROAD	CONCRETE	TYPE B	60	48
IR-109	MINNESOTA ROAD	STEEL	TYPE B	60	48
IR-110	MINNESOTA ROAD	CONCRETE	TYPE B	60	42
IR-111	MINNESOTA ROAD	CAST IRON	TYPE D	48	24
IR-112	MINNESOTA ROAD	CONCRETE	TYPE B	45	39
IR-113	INDEPENDENCE ROAD	CONCRETE	TYPE B	66	42
IR-115	INDEPENDENCE ROAD	CAST IRON	TYPE D	30	21



Fairview Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IR-116	INDEPENDENCE ROAD	CAST IRON	TYPE D	30	21
IR-118	OCTAGON ROAD	CAST IRON	TYPE A	48	24
IR-119	OCTAGON ROAD	STEEL	TYPE B	60	48
IR-120	OCTAGON ROAD	CONCRETE	TYPE B	57	33
IR-121	NEW JERSEY ROAD	CAST IRON	TYPE A	48	24
IR-122	NEW JERSEY ROAD	CAST IRON	TYPE C	48	24
IR-123	NEW JERSEY ROAD	CAST IRON	TYPE C	48	24
IC-59	W IRONSIDE ROAD	CONCRETE	TYPE B	60	42
IC-60	W IRONSIDE ROAD	STEEL	TYPE B	60	48
IR-124	OCTAGON ROAD	CAST IRON	TYPE D	48	24
IR-125	OCTAGON ROAD	CAST IRON	TYPE D	48	24
IR-126	OCTAGON ROAD	CONCRETE	TYPE B	60	42
IR-127	OCTAGON ROAD	CONCRETE	TYPE B	60	45
IR-128	OCTAGON ROAD	STEEL	TYPE B	60	48
IR-129	OCTAGON ROAD	STEEL	TYPE B	60	48
IR-130	KANSAS ROAD	CAST IRON	TYPE D	48	24
IR-131	KANSAS ROAD	CAST IRON	TYPE D	48	24
IR-133	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-61	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-134	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-136	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-137	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-138	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-140	COLLINGS ROAD	CAST IRON	TYPE D	48	24
IR-141	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-142	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-143	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-144	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-62	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-63	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-145	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-64	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-65	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-146	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-147	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-148	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-149	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-66	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-150	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-67	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-68	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-151	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-69	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-70	COLLINGS ROAD	CAST IRON	TYPE C	48	48
IC-71	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-72	COLLINGS ROAD	CAST IRON	TYPE A	48	24



Fairview Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IC-73	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-74	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-153	COLLINGS ROAD	CAST IRON	TYPE D	48	24
IR-154	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-155	COLLINGS ROAD	CAST IRON	TYPE A	48	24
IR-156	YORKSHIP ROAD	CAST IRON	TYPE A	48	24
IC-75	N COLLINGS ROAD	CAST IRON	TYPE A	48	24
IC-76	N COLLINGS ROAD	CAST IRON	TYPE C	48	48
IR-160	TRENT ROAD	CAST IRON	TYPE D	48	24
IR-161	TRENT ROAD	CAST IRON	TYPE D	48	24
IR-162	TRENT ROAD	CAST IRON	TYPE D	48	24
IR-163	S ATLANTA ROAD	CAST IRON	TYPE D	48	24
IR-164	S ATLANTA ROAD	CAST IRON	TYPE D	48	24
IR-165	S ATLANTA ROAD	CAST IRON	TYPE D	48	24
IR-166	S ATLANTA ROAD	CAST IRON	TYPE D	48	24
IR-167	N MERRIMAC ROAD	CAST IRON	TYPE A	48	24
IR-168	HULL ROAD	CONCRETE	TYPE B	65	39
IC-77	TUCKAHOE ROAD	STEEL	TYPE B	60	48
IC-78	TUCKAHOE ROAD	STEEL	TYPE B	60	48
IC-79	TUCKAHOE ROAD	CONCRETE	TYPE B	60	45
IC-80	TUCKAHOE ROAD	CONCRETE	TYPE B	66	54
IC-81	TUCKAHOE ROAD	STEEL	TYPE B	54	42
IC-82	TUCKAHOE ROAD	STEEL	TYPE B	60	48
IC-83	TUCKAHOE ROAD	CAST IRON	TYPE A	48	24
IC-84	TUCKAHOE ROAD	CAST IRON	TYPE A	48	24
IC-85	TUCKAHOE ROAD	CAST IRON	TYPE A	48	24
IR-169	TUCKAHOE ROAD	CAST IRON	TYPE C	48	24
IR-170	TUCKAHOE ROAD	STEEL	TYPE B	60	48
IR-171	TUCKAHOE ROAD	CONCRETE	TYPE B	60	60
IR-172	TUCKAHOE ROAD	CONCRETE	TYPE B	60	48
IR-173	TUCKAHOE ROAD	CONCRETE	TYPE B	60	48
IR-175	CONGRESS ROAD	CONCRETE	TYPE B	60	48
IR-178	CONGRESS ROAD	CONCRETE	TYPE B	60	45
IR-179	CONGRESS ROAD	CONCRETE	TYPE B	60	45
IR-180	CONGRESS ROAD	CONCRETE	TYPE B	60	45
IC-87	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IC-88	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IC-89	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IC-90	KERSARGE AVENUE	CAST IRON	TYPE A	48	24
IR-181	MT EPHRAIM AVENUE	CAST IRON	TYPE A	48	24
IC-4980	ALLEY BETWEEN CHESAPEKE AND YORK	CAST IRON	TYPE A	48	24
IC-4942	KANSAS ROAD	CAST IRON	TYPE A	48	24
IC-4943	KANSAS ROAD	CAST IRON	TYPE A	48	24
IC-4944	ALLEY BETWEEN TRENT AND KANSAS	CAST IRON	TYPE A	48	24
IC-4945	W. AMERCIA ROAD.	CAST IRON	TYPE A	48	24



Fairview Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IC-4946	SUMTER ROAD	CAST IRON	TYPE A	48	24
IC-4947	SUMTER ROAD	CAST IRON	TYPE A	48	24
IC-4948	ALLEY BETWEEN ESSEX AND PORTER	CAST IRON	TYPE A	48	24
IC-4949	NIAGRA ROAD	CAST IRON	TYPE A	48	24
IC-4950	TUCKAHOE ROAD	CAST IRON	TYPE A	48	24
IC-4953	ALLEY BETWEEN S. YORK AND S. OCTAGON	CAST IRON	TYPE A	48	24
IC-4954	ALLEY BETWEEN S. YORK AND S. OCTAGON	CAST IRON	TYPE A	48	24
IC-4955	SCHOOL WALKWAY	CAST IRON	TYPE A	48	24
IC-4956	MERRIMAC STREET	CAST IRON	TYPE A	48	24
IC-4958	N. CONSTITUTION ROAD	CAST IRON	TYPE A	48	24
IC-4959	N. CONSTITUTION ROAD	CAST IRON	TYPE A	48	24
IC-4960	ALLEY BETWEEN CONTITUTION AND CONGRESS	CAST IRON	TYPE A	48	24
IC-4961	ALLEY BETWEEN N. MERRIMAC AND ALABAMA	CAST IRON	TYPE A	48	24
IC-4963	S MERRIMAC ROAD	CAST IRON	TYPE A	48	24
IC-4964	INDEPENDENCE ROAD	CAST IRON	TYPE A	48	24
IC-4967	IDAHO ROAD	CAST IRON	TYPE A	48	24
IC-4968	ALABAMA ROAD	CAST IRON	TYPE A	48	24
IC-4969	INDEPENDENCE ROAD	CAST IRON	TYPE A	48	24
IC-4975	INDEPENDENCE ROAD	CAST IRON	TYPE A	48	24



Central Gateway Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IC-2362	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2365	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2368	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2369	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2370	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2372	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2371	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2373	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2374	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2375	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2378	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2379	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2382	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2383	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2384	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2386	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2387	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2388	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2389	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2390	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2391	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2392	Newton Ave	Cast Iron	Type A (New Style)	48	24
IC-2398	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2400	Newton Ave	Cast Iron	Type A (New Style)	48	24
IC-2401	Newton Ave	Cast Iron	Type A (New Style)	48	24
IC-2402	Newton Ave	Cast Iron	Type A (New Style)	48	24
IC-2415	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2416	S. 11th Street	Cast Iron	Type A (New Style)	48	24
IC-2425	Mt. Ephraim Ave	Cast Iron	Type A (New Style)	48	24
IC-2426	Mt. Ephraim Ave	Cast Iron	Type A (New Style)	48	24
IC-2453	Memorial Ave	Cast Iron	Type A (New Style)	48	24
IC-2454	Memorial Ave	Cast Iron	Type A (New Style)	48	24
IC-2705	S. 11th Street	Cast Iron	Type A (New Style)	48	24



Aquarium Neighborhood

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IC-1680	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1681	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1715	Parking Lot Drive	Cast Iron	Type A (New Style)	48	24
IC-1716	Parking Lot Drive	Cast Iron	Type A (New Style)	48	24
IC-1717	Parking Lot Drive	Cast Iron	Type A (New Style)	48	24
IC-1718	Parking Lot Drive	Cast Iron	Type A (New Style)	48	24
IC-1719	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1720	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1721	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1722	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1723	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1724	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1725	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1726	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1727	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1728	Aquarium Loop	Cast Iron	Type A (New Style)	48	24
IC-1738	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1739	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1747	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1750	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1751	River Side Drive	Cast Iron	Type D	48	48
IC-1752	River Side Drive	Cast Iron	Type D	48	48
IC-1740	Market Street	Cast Iron	Type A (New Style)	48	24
IC-1757	Market Street	Cast Iron	Type A (New Style)	48	24
IC-1763	River Side Drive	Cast Iron	Type A (New Style)	48	24
IC-1764	River Side Drive	Cast Iron	Type A (New Style)	48	24



South 16th Street

Facility ID No.	Street Location	Grate Material	Grate Type	Dimensions (in.)	
				Length	Width
IC-3112	S 16TH ST AND CARMAN ST	CAST IRON	Type D	48	24
IC-3179	S 16TH ST AND CARMAN ST	PLASTIC	Type D	28	20
IC-3178	S 16TH ST AND CARMAN ST	PLASTIC	Type D	28	20
IC-3107	S 16TH AND MICKLE ST	CAST IRON	Type D	48	24
IC-3206	S 16TH AND MICKLE ST	CAST IRON	Type D	48	24
IC-3106	S 16TH AND MICKLE ST	CAST IRON	Type D	30	18
IC-3108	S 16TH AND MICKLE ST	CAST IRON	Type D	30	21
IC-3109	S 16TH	CAST IRON	Type D	28	20
IC-3110	S 16TH	CAST IRON	Type D	28	20
IC-3111	S 16 TH	CAST IRON	Type D	24	24



Fairview Neighborhood

Facility ID No.	Street Location	Cross Street
MS4-1	MT EPHRAIM AVENUE	MINNESOTA ROAD
MS4-2	MT EPHRAIM AVENUE	
MS4-3	MT EPHRAIM AVENUE	
MS4-4	MT EPHRAIM AVENUE	
MS4-5	TENNIS COURTS	BEHIND TENNESSEE ROAD
MS4-6	REPUBLIC ROAD	S CONSTITUTION ROAD
MS4-7	S CONSTITUTION ROAD	ARGUS ST
MS4-8	N MERRIMAC ROAD	S CONSTITUTION ROAD
MS4-9	S CONSTITUTION ROAD	N CHESAPEAKE ROAD
MS4-10	HOPE STREET	
MS4-11	LEMUEL AVENUE	
MS4-12	TENNIS COURTS	BEHIND TENNESSEE ROAD
MS4-13	US 130	
MS4-14	US 130	
MS4-15	US 130	
MS4-16	TRENT ROAD	PORTER ROAD
MS4-17	ALABAMA ROAD	YORKSHIP SQUARE
MS4-18	ALABAMA ROAD	YORKSHIP SQUARE
MS4-19	ALABAMA ROAD	S OCTAGON ROAD
MS4-20	ALLEY - ARGUS ROAD	BETWEEN N CHESAPEAKE AND ALABAMA AVE
MS4-21	ALABAMA ROAD	COLLINGS ROAD
MS4-22	ALABAMA ROAD	S CONSTITUTION ROAD
MS4-23	ALABAMA ROAD	S CONGRESS ROAD
MS4-24	SUMTER ROAD	BETWEEN KANSAS AND TUCKAHOE ROAD
MS4-25	SUMTER ROAD	BETWEEN KANSAS AND TRENT ROAD
MS4-26	SUMTER ROAD	BETWEEN KANSAS AND TRENT ROAD
MS4-27	SUMTER ROAD	N COMMON ROAD
MS4-28	SUMTER ROAD	S COMMON ROAD
MS4-29	SUMTER ROAD	ALLEY BETWEEN NIAGRA AND MONITOR
MS4-30	CONGRESS ROAD	COHORNET ROAD
MS4-31	HORNET ROAD	BETWEEN CONSTITUION AND CONGRESS ROAD
MS4-32	ALLEY BETWEEN CONSTITUION AND CONGRESS ROAD (200' S OF CONGRESS)	
MS4-33	N MERRIMAC ROAD	N CONGRESS ROAD
MS4-34	WALKWAY BETWEEN CONSTITUTION AND YORKSHIP SQUARE	
MS4-35	YORKSHIP SQUAREAURE NE WALKWAY	
MS4-36	NORTH SIDE OF YORKSHIP SQUARE	
MS4-37	WALKWAY BETWEEN WASP AND YORKSHIP SQUARE	
MS4-38	WALKWAY BETWEEN WASP AND YORKSHIP SQUARE	
MS4-39	S SIDE OF YORKSHIP SQUARE	
MS4-40	KERSARGE AVE	YORKSHIP SQUARE
MS4-41	N CONGRESS ROAD	N CHESAPEAKE ROAD
MS4-42	N CHESAPEAKE ROAD	BETWEEN CONSTITUTION AND CONGRESS ROAD
MS4-43	N CHESAPEAKE ROAD	BETWEEN HARTFORAD ROAD AND N MERRIMAC ROAD
MS4-44	N CHESAPEAKE ROAD	HARTFORAD ROAD



Fairview Neighborhood

Facility

ID No.

Street

Location

MS4-45 ALABAMA AVE
MS4-46 AMERICA ROAD
MS4-47 N ATLANTA ROAD
MS4-48 N ATLANTA ROAD
MS4-49 SUMTER ROAD
MS4-50 NIAGRA ROAD
MS4-51 NIAGRA ROAD AND PORTER ROAD
MS4-52 NIAGRA ROAD
MS4-53 YORKSHIP ROAD SECONDARY
MS4-54 2708 CONGRESS ROAD
MS4-55 CONGRESS ROAD
MS4-56 CONGRESS ROAD
MS4-57 N CONGRESS ROAD
MS4-58 N CONGRESS ROAD
MS4-59 ALLEY BETWEEN S ATLANTA AND MT EPHRAIM AVE
MS4-60 ALLEY BETWEEN S CONGRESS ROAD AND S ATLANTA ROAD
MS4-61 PARKING LOT BETWEEN S CONGRESS AND S CONSTITUTION ON MINNESOTA ROAD
MS4-62 MINNESOTA ROAD
MS4-63 S CONGRESS ROAD
MS4-64 PARKING LOT BETWEEN MINNESOTA AND CONGRESS INTERSECTION
MS4-65 MT EPHRAIM AVE
MS4-66 INDEPENDANCE ROAD
MS4-67 INDEPENDENCE ROAD
MS4-68 INDEPENDENCE ROAD
MS4-69 INDEPENDENCE ROAD
MS4-70 INDEPENDENCE ROAD
MS4-71 E OCTAGON ROAD AND CONSTITUTION ROAD
MS4-72 OCTAGON ROAD
MS4-73 WASP ROAD
MS4-74 MT EPHRAIM AVE
MS4-75 ALABAMA AVE
MS4-76 S OCTAGON ROAD
MS4-77 ALLEY BETWEEN MIDDLE SCHOOL AND ALABAMA AVE
MS4-78 ALLEY BETWEEN MIDDLE SCHOOL AND ALABAMA AVE
MS4-79 S OCTAGON ROAD
MS4-80 S OCTAGON ROAD
MS4-81 S COMMON ROAD
MS4-82 ARGUS ROAD
MS4-83 ALABAMA AVE
MS4-84 TUCKAHOE ROAD
MS4-85 KANSAS ROAD
MS4-86 WASP ROAD
MS4-87 MT EPHRAIM AVE
MS4-88 MT EPHRAIM AVE

Cross

Street

N CHESAPEAKE ROAD
YORKSHIP SQUARE
BETWEEN OLYMPIA AND CONGRESS ROAD
N COLLINGS ROAD
NIAGRA ROAD
ESSEX ROAD
PORTER ROAD
ALLEY BETWEEN PORTER AND TUCKAHOE ROAD
TUCKAHOE ROAD

ALLEY BETWEEN YORKSHIP AND CONSTITUTION ROAD
YORKSHIP ROAD
BETWEEN REPUBLIC AND HORNET ROAD
BETWEEN REPUBLIC AND HORNET ROAD

S CONSTITUTION ROAD
MINNESOTA ROAD
MINNESOTA ROAD
100' S OF ALABAMA AND HULL INTERSECTION
ALABAMA ROAD
IN FRONT OF 1507 INDEPENDENCE ROAD
IN FRONT OF 1575 INDEPENDENCE ROAD
IN FRONT OF 1626 INDEPENDENCE ROAD
E OCTAGON ROAD AND CONSTITUTION ROAD
YORKSHIP ROAD
OCTAGON ROAD

S OCTAGON ROAD
100' SW OF ALABAMA ROAD

IN FRONT OF MIDDLE SCHOOL
IN FRONT OF MIDDLE SCHOOL
W OCTAGON ROAD
OCTAGON ROAD
S OCTAGON ROAD
N KANSAS ROAD
BETWEEN TUCKAHOE AND WASP ROAD
KANSAS ROAD



Fairview Neighborhood

Facility ID No.	Street Location	Cross Street
MS4-89	N CONGRESS ROAD	REPUBLIC ROAD
MS4-90	N CONGRESS ROAD	
MS4-91	S COLLINGS ROAD	S CONSTITUTION ROAD
MS4-92	COLLINGS ROAD	BETWEEN N MERRIMAC AND ALABAMA ROAD
MS4-93	COLLINGS ROAD	BETWEEN ALABAMA AND N MERRIMAC
MS4-94	COLLINGS ROAD	BETWEEN MT EPHRAIM AVE AND ATLANTA AVE
MS4-95	COLLINGS ROAD	N CHESAPEAKE ROAD
MS4-96	COLLINGS ROAD	BETWEEN NEW JERSEY AND N CHESAPEAKE ROAD
MS4-97	COLLINGS ROAD	NEW JERSEY AVENUE
MS4-98	COLLINGS ROAD	E IRONSIDE ROAD
MS4-99	TRENT ROAD	SUMTER ROAD
MS4-100	TRENT ROAD	ALLEY BETWEEN ESSEX ROAD AND PORTER ROAD
MS4-101	MT EPHRAIM AVE	
MS4-102	S COLLINGS ROAD	S ATLANTA ROAD
MS4-103	S ATLANTA ROAD 100' N OF MINNESOTA ROAD	S ATLANTA ROAD 100' N OF MINNESOTA ROAD
MS4-104	MINNESOTA ROAD	S ATLANTA ROAD
MS4-105	N CHESAPEAKE ROAD	N MERRIMAC ROAD
MS4-106	COLLINGS ROAD	N MERRIMAC ROAD
MS4-107	MINNESOTA ROAD	HULL ROAD
MS4-108	N CONGRESS ROAD	CUSHING ROAD
MS4-109	COLLINGS ROAD	BEHIND 1623
MS4-110	N CONGRESS ROAD	100' N OF N COLLINGS ROAD
MS4-111	S COLLINGS ROAD	S CONGRESS ROAD



Central Gateway Neighborhood

Facility	Street	Cross
ID No.	Location	Street



Aquarium Neighborhood

Facility ID No.	Street Location	Cross Street
MS4-115	DELAWARE AVE	
MS4-116	AQUARIUM DR	
MS4-117	RIVERSIDE DR	
MS4-118	AQUARIUM DR	
MS4-120	AQUARIUM DR	
MS4-121	AQUARIUM DR	
MS4-122	RIVERSIDE DR	



South 16th Street

Facility ID No.	Street Location
MS4-133	CARMAN ST
MS4-132	S 16TH ST
MS4-131	MICKLE ST
MS4-130	MICKLE ST
MS4-129	S 16TH ST
MS4-128	S 16TH ST
MS4-127	S 16TH ST

Cross
Street



Fairview Neighborhood

Facility ID No.	Street Location	Discharges to (Waterbody)	Size (Inch)
MS4-OF-23	TENNESSEE RD	NEWTON CREEK	36
MS4-OF-46	INDEPENDENCE RD	NEWTON CREEK	27
MS4-OF-24	WINTHROP RD	NEWTON CREEK	27
MS4-OF-50	TUCKAHOE RD	NEWTON CREEK	15
MS4-OF-49	I-676 SECONDARY	NEWTON CREEK	15
MS4-OF-51	TUCKAHOE RD	NEWTON CREEK	15
MS4-OF-21	INDEPENDENCE RD	NEWTON CREEK	24



Central Gateway Neighborhood

Facility ID No.	Street Location
MS4-OF-101	CAMBELLS SOUP AND FLANDERS ST

Discharges to (Waterbody)
COOPER RIVER

Size (Inch)
36



Aquarium Neighborhood

Facility ID No.	Street Location
MS4-OF-03	ARCH STREET / AQUARIUM

Discharges to (Waterbody)
DELAWARE RIVER

Size (Inch)
60



South 16th Street

Facility
ID No.

Street
Location

South 16th STREET @ RIVER

Discharges to
(Waterbody)
COOPER RIVER

Size
(Inch)
36

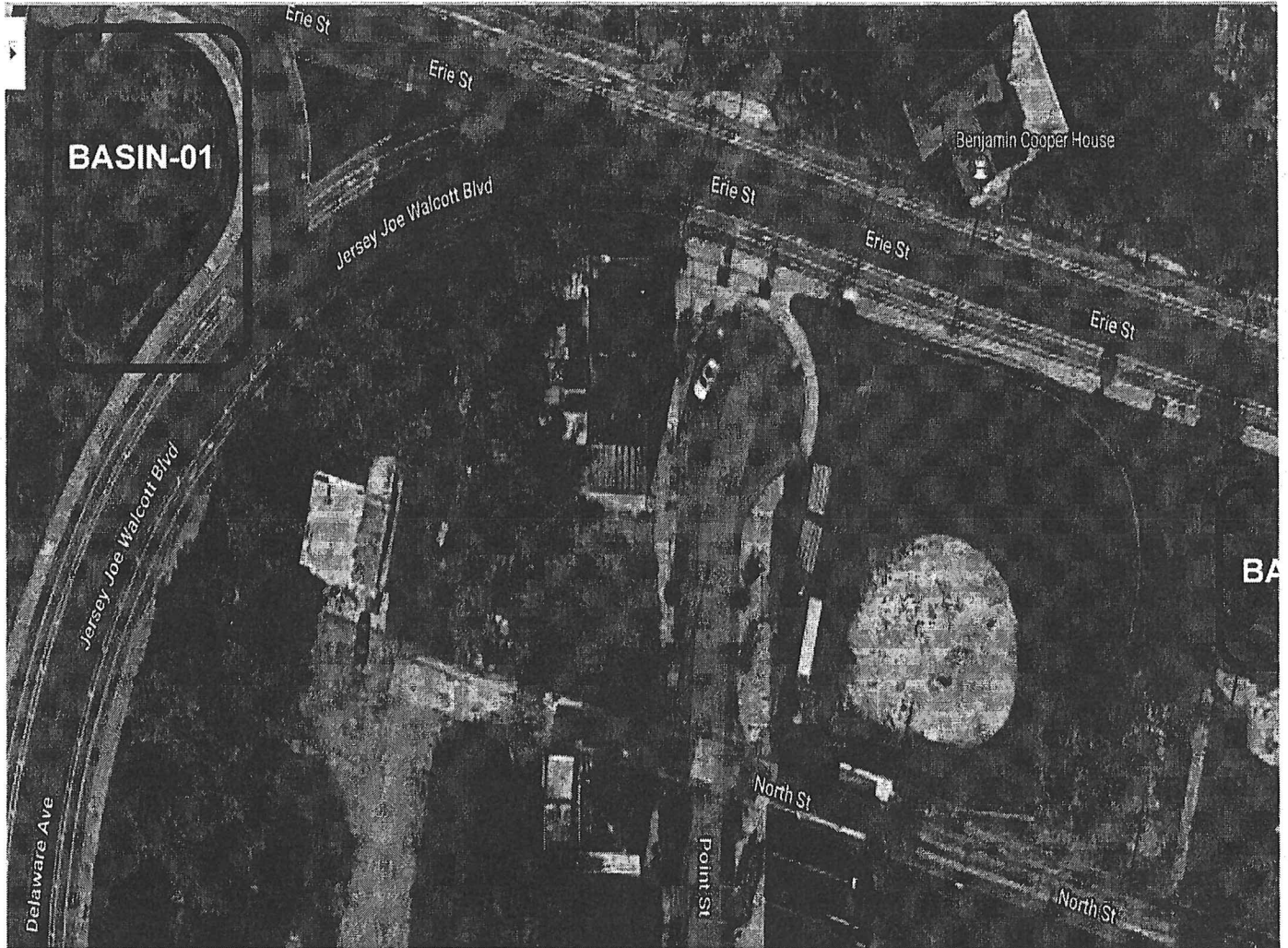


North Camden Neighborhood

Facility	Street
ID No.	Location
BASIN-01	ERIE STREET & FRONT STREET
BASIN-02	ERIE STREET & DELAWARE AVENUE

Discharges to (Waterbody)

N/A
N/A





North Camden Neighborhood

Facility	Street
ID No.	Location
BASIN-03	STATE STREET & DELAWARE AVENUE

Discharges to (Waterbody)
N/A





Central Gateway Neighborhood

Facility

ID No.

BASIN-04

Street

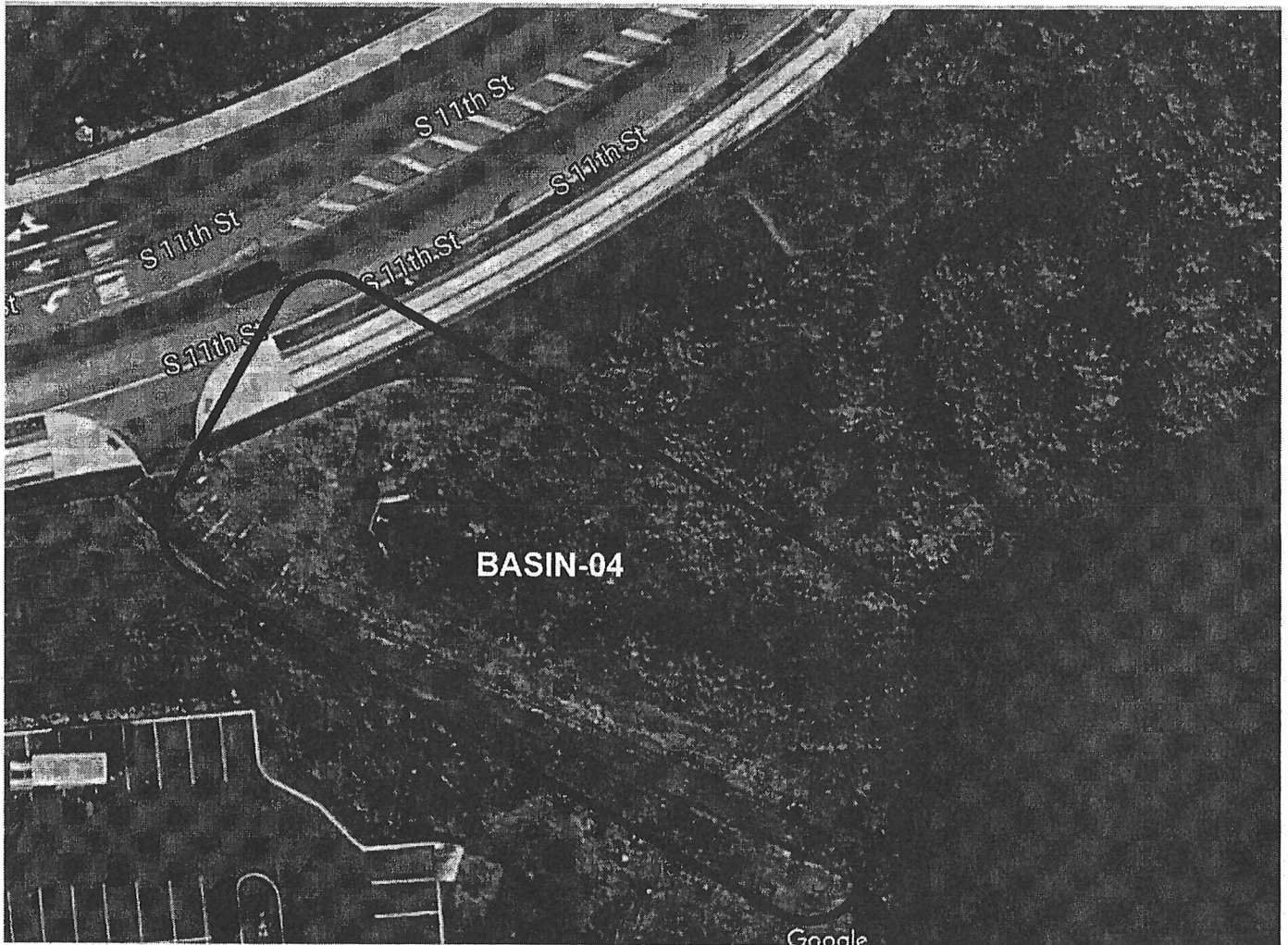
Location

SOUTH 11TH STREET @ CAMPBELL SOUP CO.

Discharges to

(Waterbody)

COOPER RIVER





Whitman Park Neighborhood

Facility	Street
ID No.	Location
BASIN-05	SAYRS AVENUE & DAVIS STREET

Discharges to
(Waterbody)
N/A

