Stormwater Pollution and Prevention, (SWPPP) Plan

Benjamin Franklin Bridge
Betsy Ross Bridge
Commodore Barry Bridge
Walt Whitman Bridge

In NJ and PA
BH No. 77397-01
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# TABLE OF CONTENTS

## I. INTRODUCTION ................................................................................................................................................. 1
  1.1 Scope of SWPP Plan ........................................................................................................................................... 1

## 2. FACILITY INFORMATION ................................................................................................................................. 2
  2.1 Benjamin Franklin Bridge ................................................................................................................................. 2
  2.2 Betsy Ross Bridge ............................................................................................................................................... 5
  2.3 Commodore Barry Bridge ................................................................................................................................. 6
  2.4 Walt Whitman Bridge ......................................................................................................................................... 7
  2.5 Storm Water Pollution Team Members .......................................................................................................... 8
  2.6 Duties of the Pollution Prevention Team Members ......................................................................................... 8
    2.6.1 Duties of the Chief Operating Officer and Environmental Advisor ......................................................... 8
    2.6.2 Duties of the Maintenance Supervisor and Patrol Officer ........................................................................ 9
    2.6.3 Duties of the Police Radio Dispatcher ...................................................................................................... 9

## 3. STORM WATER POLLUTION PREVENTION PLANNING .................................................................................. 9
  3.1 Identification of Potential Storm Water Contaminants ..................................................................................... 10
    3.1.1 Significant Material Inventory .................................................................................................................. 10
    3.1.2 Historic Spill Record .................................................................................................................................. 10
    3.1.3 Potential Areas for Storm Water Contamination ...................................................................................... 10
  3.2 Storm Water Management Controls ................................................................................................................. 11
    3.2.1 Public Education and Outreach on Storm Water Impacts .......................................................................... 11
      DRPA employee audience: ............................................................................................................................... 11
      DRPA private contractor audience: .................................................................................................................. 11
      DRPA public customer audience: ..................................................................................................................... 11
    3.2.2 Public Participation and Involvement ......................................................................................................... 12
    3.2.3 Illicit Discharge Detection and Elimination ............................................................................................... 12
    3.2.4 Construction Site Runoff Control .............................................................................................................. 13
    3.2.5 Post Construction Storm Water Management in New Development and Redevelopment .................. 13
    3.2.6 Pollution Prevention and Good Housekeeping for Municipal Operations Maintenance ..................... 13
      3.2.6.1 Vehicle Fueling and Maintenance ....................................................................................................... 13
      3.2.6.2 Road and Bridge Maintenance and Cleaning ....................................................................................... 14
      3.2.6.3 Ice and Snow Removal .......................................................................................................................... 14
      3.2.6.4 Landscaping and Lawn Care .................................................................................................................. 15

APPENDIX A SEPARATE STORM AND COMBINED SEWER SYSTEM BOUNDARIES .......................................................................................................................... 1

APPENDIX B TEAM MEMBERS AND PLAN REVIEW FORM ......................................................................................

APPENDIX C FACILITY INSPECTION FORMS ........................................................................................................

APPENDIX D NJPDES HIGHWAY AGENCY STORMWATER GENERAL PERMIT ........................................................................

APPENDIX E NJPDES STORMWATER POLLUTION PREVENTION PLAN FORMS ........................................................................

APPENDIX F BRIDGE PLANS.....................................................................................................................................

---

1
LIST OF FIGURES

Figure 1A – Benjamin Franklin Bridge Facilities Diagram .......................................................... 3
Figure 1B – Benjamin Franklin Bridge Abutment Diagram .......................................................... 4
Figure 2 – Betsy Ross Bridge Facilities Diagram, Logan Township, Gloucester County, NJ .................. 5
Figure 3 – Commodore Barry Bridge Facilities Diagram .................................................................. 6
Figure 4 – Walt Whitman Bridge Facilities Diagram ........................................................................ 7
## LIST OF ACRONYMS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>AST</td>
<td>Aboveground Storage Tank</td>
</tr>
<tr>
<td>BFB</td>
<td>Benjamin Franklin Bridge</td>
</tr>
<tr>
<td>BMP</td>
<td>Best Management Practice</td>
</tr>
<tr>
<td>BRB</td>
<td>Betsy Ross Bridge</td>
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<tr>
<td>CBB</td>
<td>Commodore Barry Bridge</td>
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<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
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<tr>
<td>CMMUA</td>
<td>Camden County Municipal Utilities Authority</td>
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<td>COO</td>
<td>Chief Operating Officer</td>
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<td>Clean Water Act</td>
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<td>Department of Transportation</td>
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<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
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<tr>
<td>MOU</td>
<td>Memorandum of Understanding</td>
</tr>
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<td>MS4</td>
<td>Municipal Storm Sewer System</td>
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<tr>
<td>NPDES</td>
<td>National Pollutant Discharge Elimination System</td>
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<tr>
<td>PADEP</td>
<td>Pennsylvania Department of Environmental Protection</td>
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<tr>
<td>POTW</td>
<td>Publicly Owned Treatment Works</td>
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<tr>
<td>SPCC</td>
<td>Spill Prevention Control and Countermeasures</td>
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<td>SWMP</td>
<td>Storm Water Management Program</td>
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<td>SWPP</td>
<td>Storm Water Pollution Prevention</td>
</tr>
<tr>
<td>UST</td>
<td>Underground Storage Tank</td>
</tr>
<tr>
<td>WPCF</td>
<td>Water Pollution Control Facility</td>
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<tr>
<td>WWB</td>
<td>Walt Whitman Bridge</td>
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I. INTRODUCTION

This document is a Storm Water Pollution Prevention (SWPP) Plan for the Delaware River Port Authority transportation facilities that meets the requirements of the Phase II NPDES Regulations (40 CFR 112 and 40 CFR 122, 123 and 124). This plan is an update to the “REVISED DRAFT SPILL PREVENTION, CONTROL AND COUNTERMEASURE AND STORMWATER POLLUTION PLAN DATED MAY 2003 PREPARED BY WESTON SOLUTIONS, INC.” The source of material for this report update was taken from this document.

1.1 Scope of SWPP Plan

The Storm Water Pollution Prevention (SWPP) Plan is intended to minimize negative impact of the facility operations onto surface water by means of maintaining Best Management Practices (BMPs) to prevent discharges of contaminants. A key component of SWPP Plan is employing BMPs to improve storm water quality and promotion of Pollution Prevention education.

The United States Environmental Protection Agency (USEPA) regulations contained in 40 CFR 122, 123, and 124 specify the conditions of the National Pollutant Discharge Elimination System (NPDES).

In 1987, Congress amended the CWA to require implementation, in two phases, of a comprehensive national program for addressing storm water discharges. Phase I requires NPDES permits for storm water discharge from a large number of priority sources including municipal separate storm sewer systems (“MS4s”) generally serving populations of 100,000 or more and several categories of industrial activity, including construction sites that disturb five or more acres of land.

Phase II expands the existing program to include discharges of storm water from smaller municipalities in urbanized areas and from construction sites that disturb between one and five acres of land. The Phase II rule allows certain sources to be excluded from the national program based on a demonstrable lack of impact on water quality. The rule also allows other sources not automatically regulated on a national basis to be designated for inclusion based on increased likelihood for localized adverse impact on water quality. The Phase II rule also conditionally excludes storm water discharges from industrial facilities that have “no exposure” of industrial activities or materials to storm water. Any Phase II NPDES permit requires pollutant discharges in storm water to be reduced to the maximum extent practicable. EPA recommended using general permits for all newly regulated storm water sources under the Phase II rule. Phase II NPDES permits include the requirement to develop, implement and enforce a storm water management program (SWMP) designed to reduce the discharge of pollutants to the maximum extent practicable. The required storm water management plan must address six minimum elements as follows:

1. Public Education
2. Construction Site Runoff
3. New Development and Significant Redevelopment
4. Public Participation
5. Illicit Discharge Detection and Elimination
6. Good Housekeeping in Municipal Operations

Many of DRPA’s facilities are located in New Jersey. New Jersey has developed a Phase II NPDES permit program. Bridge facilities in New Jersey fall under the Highway Agency Storm Water General Permit (NJPDES Permit #NJG0154270), which regulate streets, roads, bridges, tunnels, maintenance facilities, service areas and rest areas.

Portions of the DRPA facility areas discharge storm water runoff to combined sewer systems. The definition of small MS4s does not include combined sewer systems. A combined sewer system is a wastewater collection system that conveys sanitary wastewater and storm water through a single set of pipes to a publicly owned treatment works (POTW) for treatment before discharging to a receiving water body. During wet weather events when the capacity of the combined sewer system is exceeded, the system is designed to discharge prior to the POTW treatment plant directly into a receiving water body. Such an overflow is a combined sewer overflow. Combined sewer systems are not subject to NPDES Phase II regulations for municipal storm water discharges. Portions of DRPA facilities that drain directly to the Delaware River, surface water streams or other separate storm sewer systems are regulated under NPDES Phase II. DRPA facilities that drain to combined sewer systems are not regulated under NPDES Phase II. Appendix A contains maps showing the boundaries between areas draining to combined sewer systems and areas draining to separate storm water collection systems for the Betsy Ross Bridge, Benjamin Franklin Bridge, and Walt Whitman Bridge. The Commodore Barry Bridge drains to separate storm water collection systems.
2. FACILITY INFORMATION

The following bridge facilities, owned and operated by DRPA, span the Delaware River and are located in Pennsylvania (EPA Region III) and New Jersey (EPA Region II):

1. Benjamin Franklin Bridge (BFB)
2. Betsy Ross Bridge (BRB)
3. Commodore Barry Bridge (CBB)
4. Walt Whitman Bridge (WWB)

Maintenance facilities for the BFB, BRB, and CBB are located in New Jersey and are regulated by NJDEP. The maintenance facility for the WWB is located in Pennsylvania and is under the jurisdiction of PADEP. This SWPP Plan describes the BMPs that are employed at all facilities to reduce the potential for pollution of surface waters.

2.1 Benjamin Franklin Bridge

The Benjamin Franklin Bridge is the oldest bridge owned by the DRPA and construction was started in 1922. The bridge was placed into operation in 1926. It spans the Delaware River from Florist Street in Philadelphia, Pennsylvania to Birch Street in Camden, New Jersey. The toll plaza, maintenance area and materials storage are all on the New Jersey side of the bridge and therefore are under the jurisdiction of the NJDEP. The DRPA does not own contiguous property beyond the ends of the bridge, but owns several properties used for maintenance of the bridge and associated vehicles as well as PATCO rail maintenance yard used for emergency repairs in the immediate vicinity of the New Jersey end of the bridge. Figures 1A and 1B presents a site map of the Benjamin Franklin Bridge maintenance facilities. The main maintenance building is located at the intersection of the 5’h and Elm Street, and the approximate coordinates are 39° 56’ 53” Latitude, and 75° 07’ 18” Longitude. A map of the entire bridge span is included as Figure A-1 in Appendix A.
Figure 1A – Benjamin Franklin Bridge Facilities Diagram

Figure 1B – Benjamin Franklin Bridge Abutment Diagram
2.2 Betsy Ross Bridge

The construction of the Betsy Ross Bridge began in 1969 and the bridge was placed in operation in 1976. It spans the Delaware River from Route 95 in Philadelphia, Pennsylvania to Route 130 in Pennsauken, New Jersey. The toll plaza, maintenance area and materials storage are all on the New Jersey side of the bridge and therefore are under the jurisdiction of the NJDEP. Figure 2 shows the site layout of the Betsy Ross Bridge toll plaza and maintenance facilities. Maintenance facility’s approximate coordinates are 39° 58’ 37” Latitude, and 75° 02’ 57” Longitude.

![Figure 2 – Betsy Ross Bridge Facilities Diagram, Logan Township, Gloucester County, NJ](image-url)
2.3 Commodore Barry Bridge

Construction began on the Commodore Barry Bridge in 1969 and the bridge was placed in operation in 1974. The Commodore Barry Bridge spans the Delaware River from Law Street in the City of Chester, Pennsylvania to Bridgeport, New Jersey. The toll plaza, maintenance area and materials storage are all on the New Jersey side of the bridge and therefore are regulated by the NJDEP. The Commodore Barry Bridge toll plaza is similar to those for the three other bridges that are described in this report. The DRPA owns the Route 322 corridor in New Jersey from the bridge to Route 130. Figure 3 shows the Commodore Barry Bridge toll plaza and maintenance facility layout. The approximate coordinates of the maintenance facility are 39° 48’ 32” Latitude, and 75° 21’ 10” Longitude.

![Commodore Barry Bridge Facilities Diagram](image-url)
2.4 Walt Whitman Bridge

The construction of the Walt Whitman Bridge began in 1953. The bridge was placed into operation in 1957. It carries Interstate Route 76 across the Delaware River just north of the Philadelphia Naval Shipyard in South Philadelphia to just north of Gloucester City, New Jersey. The toll plaza, maintenance area and materials storage are all on the Pennsylvania side of the bridge and therefore would be regulated by PADEP. Figure 4 shows the site layout of the Walt Whitman Bridge toll plaza and maintenance facilities. The DRPA owns the Interstate Route 76 corridor for a distance of approximately 6 miles west of the toll plaza. The approximate coordinates of the maintenance facility are 39° 54’ 37” Latitude, and 75° 09’ 16” Longitude.

![Figure 4 – Walt Whitman Bridge Facilities Diagram](image-url)
2.5 Storm Water Pollution Team Members

Persons holding the following positions are responsible for the authorization and implementation of this SWPP Plan. Individuals and contact numbers are located in Appendices A and B, where they can be updated without recertification of this plan.

Facility Name: Benjamin Franklin Bridge
  Betsy Ross Bridge
  Commodore Barry Bridge
  Walt Whitman Bridge

Mailing Address: One Port Center, 2 Riverside Drive, P O. Box 1949, Camden, NJ 08101-1949

Owner: Delaware River Port Authority

Designated Person Responsible for Reviewing, Approving, and Authorizing Corporate Resources for Prevention of Oil Spills and Storm Water Pollution:
  Chief Operating Officer (COO)

Other Personnel Responsible for Implementing the Program to Prevent Oil Spills and Storm Water Pollution:
  Environmental Advisor
  Bridge Director

Personnel Responsible for Performing Routine Inspections of the Facility to Detect Oil Spills and Storm Water Pollution:
  Maintenance Supervisor (if spill occurs in the facility)
  Patrol Officer (if spill occurs on the highway)

Personnel Responsible for Initiating Response to Oil Spills and Storm Water Pollution:
  Maintenance Supervisor (if spill occurs in the facility)
  Patrol Officer (if spill occurs on the highway)

Personnel Responsible for Coordinating Immediate Response to Oil Spills and Storm Water Pollution:
  Dispatcher

2.6 Duties of the Pollution Prevention Team Members

The DRPA Chief Operating Officer, Environmental Advisor, Maintenance Supervisors, Patrol Officers, and Dispatcher are the core members of the team. Maintenance Supervisors are encouraged to assign additional site members to the team as part of their employee involvement initiatives. All of the employees working at the maintenance facilities will receive training concerning pollution prevention BMPs and emergency reporting procedures.

2.6.1 Duties of the Chief Operating Officer and Environmental Advisor

The Environmental Advisor serves as an information resource guide to assist with environmental regulatory issues. His/her responsibilities include:

a) Ensuring the facility SPCC and SWPP Plan is complete and up to date according to environmental regulations.

b) Preparing and submitting any written follow-up reports required by government agencies after a spill or release and for reporting the release to senior management.

c) Reviewing and updating the document whenever there is a change in facility design, construction, operation or maintenance.

d) Oversight of the implementation of SPCC and SWPP Plan.

e) Follow up to the incidents and, with the NJDEP and/or PADEP approval, provide for treating, storing or disposing of residues, contaminated soil, etc., from a discharge, fire or explosion at the facility.
2.6.2 Duties of the Construction & Maintenance Manager and Patrol Officer

Construction & Maintenance Managers and Patrol Officers are ultimately responsible for the execution of tasks outlined in the Plan. They serve as first responders to imminent or actual emergency situations. The Construction & Maintenance Manager is also accountable for the prevention of spills and leaks at the facility that could adversely impact surface water or ground water. The term Construction & Maintenance Manager is used generically to refer to the DRPA manager or other person with overall responsibility for the day-to-day operation of the maintenance facility. The term Patrol Officer refers to the police servicing DRPA bridges. The Construction & Maintenance Manager is responsible for ensuring that:

a) The Plan is implemented, maintained and amended as necessary.
b) Appropriate measures and controls are implemented and maintained.
c) Periodic inspections are conducted.
d) Corrective or follow-up actions are completed in a timely manner.
e) Whenever there is a significant spill or release, fire or explosion, he must immediately identify the character, exact source, amount, and extent of emitted or discharged materials. This may be done by observation, review of records or if necessary by chemical analysis. The Dispatcher is to be contacted immediately with information above.
f) Measures must be taken to ensure that fire, explosion, emission or discharge does not reoccur or spread to other materials. Measures include stopping facility activities, collecting and containing released materials or wastes, and removing or isolating containers.
g) Significant releases are reported to the appropriate government agencies.
h) Employees are periodically trained on Pollution Prevention.

Patrol Officer responsibilities include:

a) Maintaining spill supplies in the patrol vehicle.
b) Responding to highway accidents and inspecting for possible fuel/oil release.
c) If conditions allow, applying spill kit materials to prevent fuel/oil from reaching storm water system

d) Contacting dispatcher in case of the significant spill

2.6.3 Duties of the Police Radio Dispatcher

The Dispatcher serves as the coordinator of response from various authorities. Dispatcher’s responsibilities include:

a) Activation of facility communication systems, where applicable, to notify facility personnel.
b) Assessment of any possible hazards to human health or the environment that may result from a significant spill or discharge, fire or explosion,
c) Coordinating emergency regime of work or stopping facility activities, if necessary.
d) Contacting proper emergency authorities if incident exceeds ability of DRPA emergency services to respond.
e) Contacting a local spill response contractor as necessary.
f) Contacting National Response Center.

3 STORM WATER POLLUTION PREVENTION PLANNING

The following section of the document addresses Storm Water Pollution Prevention Planning at DRPA bridge facilities in accordance with 40 CFR 9, 122, 123, and 124 to satisfy the conditions of the National Pollutant Discharge Elimination System (NPDES DRPA facilities at Benjamin Franklin, Betsy Ross, Commodore Barry, and Walt Whitman Bridges are regulated under NPDES Phase II requirements). The Highway Agency Storm Water General Permit (NJPDES Permit #NJG0154270) requires highway agencies to develop, implement and enforce a storm water program including a written Storm Water Pollution Prevention Plan (SWPPP). Appendix E addresses those requirements.
3.1 Identification of Potential Storm Water Contaminants

The following sections discuss operations at the facilities that can potentially influence the quality of storm water and provides a materials inventory. Oil products spill response procedures are described in the SPCC Plan.

3.1.1 Significant Material Inventory

Materials that are or could be used at DRPA facilities with potential to contaminate storm water are listed in Table 1. This table includes information regarding material type, physical and chemical description, and specific storm water pollutants associated with each material.

<table>
<thead>
<tr>
<th>Material</th>
<th>Physical/Chemical Description</th>
<th>Storm Water Pollutants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline</td>
<td>Colorless, pale brown or pink petroleum hydrocarbon</td>
<td>Benzene, ethyl benzene, toluene, xylene, MTBE</td>
</tr>
<tr>
<td>Diesel fuel</td>
<td>Clear, blue green to yellow hydrocarbon</td>
<td>Petroleum distillate, oil and grease, naphthalene, xylenes</td>
</tr>
<tr>
<td>Lubricants</td>
<td>Black/brown oily hydrocarbon</td>
<td>Oil and grease, cadmium</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>Brown oily petroleum</td>
<td>Mineral oil</td>
</tr>
<tr>
<td>Brake fluid</td>
<td>Ethylene glycol based liquid</td>
<td>Ethylene glycol</td>
</tr>
<tr>
<td>Antifreeze</td>
<td>Clear green/yellow liquid</td>
<td>Ethylene glycol, propylene glycol, heavy metals</td>
</tr>
<tr>
<td>Windshield washer fluid</td>
<td>Clear blue liquid</td>
<td>Ammonia, methanol</td>
</tr>
<tr>
<td>Transmission fluid</td>
<td>Red liquid</td>
<td>Mineral oil, glycols, heavy metals, petroleum distillates</td>
</tr>
<tr>
<td>Degreasing solvents</td>
<td>Colorless or white liquid</td>
<td>Trichloroethylene, trichloroethane, perchloroethylene</td>
</tr>
<tr>
<td>Motor oil</td>
<td>Clear/amber liquid petroleum</td>
<td>Mineral oil, petroleum distillates hydrocarbon</td>
</tr>
<tr>
<td>Deicing salt (CG-90a)</td>
<td>White/translucent crystals</td>
<td>Sodium chloride, magnesium chloride, corrosion inhibitors</td>
</tr>
</tbody>
</table>

3.1.2 Historic Spill Record

According to DRPA records, there have been no spills or leaks at its bridge maintenance facilities in the past five years. Small fuel spills have occurred as a result of vehicle accidents on the bridges. All of the spills have been not more than 20 gallons and have been cleaned up with oil absorbent mats and socks. Police vehicles are all equipped with spill kits. First responders to accidents are instructed to protect storm water inlets as one of the highest priorities while securing an accident scene. First responders are in communication with the dispatcher and can call for more equipment or materials upon evaluating the potential for surface water contamination at the accident scene.

3.1.3 Potential Areas for Storm Water Contamination

The following potential sources of storm water contamination were identified and evaluated:

- Maintenance shops: fuel, oil and grease, vehicle fluids, degreasers, etc. are all potential storm water contaminants.
Fueling areas: spills during delivery or filling of maintenance or patrol vehicles, or tank or line leaks can contribute to storm water pollution.

Salt storage areas: deicing materials are very soluble and enter storm water runoff easily if not properly protected from precipitation.

Highway, toll lanes, and parking lots: particulate matter, trash, lead from lead-based paint and tire wear, heavy metals from gasoline and automobile parts, inorganic salts from salt or roadside fertilizer application, petroleum and grease from spills and leaks are potential storm water pollutants.

The DRPA must balance the need for public safety with the protection of surface water quality concerning the application of de-icing materials. NJDEP promotes the concept of “wise use” of salt that is used by DRPA. Source control is advocated as the BMP strategy for preventing contamination due to de-icing materials. Quantity control and proper application timing are practiced to reduce contamination from de-icing materials. None of the BMPs for storage and application of de-icing materials are to be construed as advocating the reduction of de-icing efforts to the point of jeopardizing public safety.

3.2 Storm Water Management Controls

NPDES Phase II storm water permittees must, during the term of the permit, develop, implement and enforce a Storm Water Management Program that meets the following six minimum control measures (BMP Categories):

1. Public Education and Outreach on Storm Water Impacts
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post Construction Storm Water Management in New Development and Redevelopment
6. Pollution Prevention and Good housekeeping for Municipal Operations Maintenance

The DRPA may be exempted from the public education and participation requirements because its customers are transient and DRPA does not operate any rest stops. The following sections describe existing and planned procedures at DRPA to address each of the six minimum control measures.

3.2.1 Public Education and Outreach on Storm Water Impacts

The DRPA will develop a Public Education and Outreach Plan that targets three separate groups. They are:

1. DRPA employees
2. DRPA private contractors
3. The public customers using the DRPA bridges

**DRPA employee audience:**
The plan for DRPA employees includes training regarding adherence to policies of practicing BMPs while accomplishing their daily duties. DRPA employees attend regular training sessions that address storm water pollution and spill prevention. Employee training will focus on the following 4 categories:

1. BMPs for vehicle fueling and maintenance
2. BMPs for de-icing materials storage
3. BMPs for materials handling, storage and disposal
4. BMPs for Erosion and Sedimentation Control during and after construction activities

Clear signs are posted in areas of concern, such as fueling stations, maintenance shops, materials storage areas to inform employees of routine BMPs that are required good housekeeping practices.

**DRPA private contractor audience:**
Contractors will be notified of their responsibility to comply with DRPA’s storm water management program elements that have been developed to comply with NPDES storm water regulations (40 CFR 122.26) while on DRPA property and required to use best
management practices while handling and storing materials and equipment. Before beginning work on DRPA property, all contractor personnel will be instructed in the following 3 areas:

1. BMPs for Erosion and Sedimentation Control during and after construction activities
2. BMPS for materials handling, storage and disposal
3. BMP requirements pertaining to their activity, including the location of absorbent materials and emergency notification procedures.

Each contractor will be provided with an on-site contact who is familiar with the best management practices that are required for compliance with NPDES Phase II.

**DRPA public customer audience:**

Thousands of vehicles use DRPA facilities daily. The public consumer education program will include labeling of storm drains, signs prohibiting littering (posted, for example, in toll lanes), a leaflet containing information about sources and mitigation of storm water pollution. This information can also be posted on the DRPA website, EZ-Pass website, or mailed to customers with EZ-Pass statements. The Public Education and Outreach Program will include information on the following three elements:

1. General ways to reduce environmental hazards associated with automobile transportation
2. Litter Prevention
3. Pet Waste Control

**3.2.2 Public Participation and Involvement**

The DRPA has limited opportunities to involve the public as they traverse the bridges. The elements described for the public consumer education may encourage the public to routinely practice litter and pet waste control as well as BMPs to reduce pollution from automobiles.

**3.2.3 Illicit Discharge Detection and Elimination**

All non-storm water discharges into storm water systems are strictly prohibited. Security measures at DRPA such as round-the-clock attendance and proper lighting help to prevent illegal dumping minimize the potential for illicit discharges. Monitoring of outfalls during dry weather periods helps to track possible illicit discharges.

Areas draining to combined sewer systems are not regulated by NPDES. The first priority for DRPA is to develop a map showing the areas of the facilities that drain to combined sewers and submit this map to the state DEP to demonstrate that some DRPA properties are not regulated. DRPA should continue to practice storm water pollution reduction BMPs throughout all facilities. Many of the NPDES required BMPs are the same as the practices required by the SPCC Plan.

The following elements will be incorporated in DRPA’s IDD&E plan:

1. Develop map of municipal separate storm sewer system outfalls and receiving streams, including areas draining to combined sewer systems.
2. For all areas that do not drain to combined sewer systems, develop a storm sewer map, showing locations of all outfalls and all receiving water bodies.
3. Develop an IDD&E Program that includes field screening program and procedures and the practices to identify observable illicit discharges. Observations of any erosion and/or sedimentation around outfalls will be an element of the field inspections.
4. Implement the Program.
5. Record all inspection findings for documentation of the absence of illicit discharges within DRPA’s MS4. This documentation will also be used in the development of an erosion mitigation plan if necessary.

Some storm water outfalls discharge to the Delaware River below the water surface. These outfalls will not be included in the dry weather screening for illicit discharges. If any dry weather flow is observed, the flow source will be sampled and investigated. DRPA may contact the appropriate state DEP for assistance in mitigation the illicit discharge. All observations will be recorded and included in an annual report to the state DEP.
3.2.4 Construction Site Runoff Control

DRPA rarely undertakes construction projects at any of the bridge facilities that create earth disturbance. DRPA’s construction activities are more limited to bridge maintenance operations such as re-painting structural elements or replacing bridge decks.

DRPA will include the following three practices in the program to reduce construction site runoff:

1. Require all contractors to comply with applicable state requirements for erosion and sediment control.
2. Coordinate the review and approval of E&S Control Plans with the PADEP or NJDEP.
3. Distribute educational materials to DRPA employees, consultants, and contractors. (See Public Education and Outreach Minimum Control Measure).

3.2.5 Post Construction Storm Water Management in New Development and Redevelopment

All of DRPA property is can be classified as being in a post construction condition. DRPA will implement measures to stabilize roadside erosion and any erosion that may be occurring at storm water outfalls.

Summary of Components of the Minimum Control Measure:

1. Include observation of erosion and sedimentation in the visual inspection of each outfall that is required by the IDD&E Minimum Control Measure in this plan.
2. Develop a plan to mitigate erosion on roadside embankments.
3. Develop protocol to ensure adequate long-term operation and maintenance of BMPs.

3.2.6 Pollution Prevention and Good housekeeping for Municipal Operations Maintenance

For this program, DRPA will meet the permit requirements and measurable goals for the Public Education and Outreach Program for the private contractors and public. In addition, DRPA will continue to provide training outreach efforts, as appropriate, to maintenance personnel to assist in pollution prevention and good housekeeping efforts.

DRPA employees will be trained to implement BMPs while performing vehicle fueling and maintenance, storm water facilities maintenance, heavy equipment operation and storage and materials storage and handling.

3.2.6.1 Vehicle Fueling and Maintenance

DRPA road maintenance and highway patrol cars are regularly maintained in the shops located at each bridge facility. Vehicle fluids include any fluid normally used in a vehicle such as engine oil, transmission fluid, power steering fluid, brake fluid, hydraulic fluid, and antifreeze (ethylene glycol or propylene glycol). In addition to these materials, solvents, greases, acids and caustic waste materials can be generated during maintenance and repair procedures. Uncontrolled spills of these materials coming in contact with storm water can contaminate surface waters, killing fish and other aquatic life even in small quantities. Fuel islands located at DRPA facilities are used by maintenance and highway patrol vehicles. Spills from fueling or from the transfer of fuels to storage tanks are a potential source of pollution. Source control of fuel spills is critical because fuels carry pollutants including oil and grease, toxic substances and heavy metals which are not readily removed by treatment devices once they contaminate storm water.

All vehicle maintenance at the DRPA’s bridge facilities is performed indoors. Floor drains inside the maintenance buildings do not drain to surface waters. The connections are summarized in Table 2:

<table>
<thead>
<tr>
<th>Bridge Name</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Commodore Barry Bridge</td>
<td>Floor drains connect to 380-gallon holding tank that is emptied by hazardous waste contractor</td>
</tr>
<tr>
<td>Benjamin Franklin Bridge</td>
<td>Floor drains equipped with oil-water separator, connect to combined sewer</td>
</tr>
<tr>
<td>Walt Whitman Bridge</td>
<td>Floor drains equipped with oil-water separator, connect to combined sewer</td>
</tr>
<tr>
<td>Betsy Ross Bridge</td>
<td>Floor drains connect to combined sewer</td>
</tr>
</tbody>
</table>

Table 2: Summary of Maintenance Building Floor Drain Connections
Employees are instructed to cover floor drains and use drip pans when working on vehicles. A statement of standard operating procedures for vehicle maintenance is included in Appendix C — Employee Training Materials. Appendix C also includes standard operating procedures for vehicle fueling by DRPA employees as well as fuel transfer procedures to be followed by vendors.

Significant prevention of fuel spills can be achieved by implementing good housekeeping and best management practices (BMPs) for vehicle fueling and maintenance. The following physical/structural BMPs are in place or planned at each DRPA bridge facility:

1. The vehicle fueling area is graded and roofed to prevent storm water run-on.
2. Vapor recovery nozzles are installed on all pumps to control drips.
3. Signs to discourage “topping-off” fuel tanks are posted at each nozzle.
4. Floor drains inside of the maintenance shops have been sealed or discharge to the sanitary sewer system through an oil/water separator.
5. Car washing operations within the DRPA facilities have ceased and are now conducted at commercial facilities.
6. Oil storage in 55-gallon drums has been converted to 650-gallon above ground storage tanks with secondary containment.
7. Smaller (approx. 20-gallon) containers of automotive fluids located on shop floors are placed in drip pans.
8. The oil filter crushing apparatus is placed over a drum that sits in a spill pan.
9. Absorbent materials and empty DOT drums for disposal of used absorbents are available at each maintenance shop.
10. A spill kit containing absorbent materials and a drain cover will be located at each fuel island.

The following Good Housekeeping Procedures are standard operating procedure at DRPA:

1. Each vehicle entering the maintenance shop for repairs is inspected for leaking fluids and drip pans are placed under the vehicles as required.
2. A supply of absorbent materials is kept in a designated area in each shop.
3. All spent fluids are recycled or disposed of by the hazardous waste contractor. Vehicle fluids are never poured down any drain or into the trash. Vehicle fluids are never mixed with other chemicals.
4. All cracked batteries are stored in non-leaking secondary containers to retain acid. Fueling areas and fuel pumps are inspected once per week.
5. Drivers are instructed to stay with their vehicle during fueling.
6. Spent or malfunctioning batteries are regularly picked up by a recycling contractor.
7. Tires will be stored in a box container to prevent contact with precipitation.

Appendix C contains the employee training materials for vehicle fueling and maintenance.

3.2.6.2 Road and Bridge Maintenance and Cleaning
Pollutants found on bridge surfaces include particulate matter, trash, lead from lead-based paint and tire wear, heavy metals from gasoline and automobile parts, inorganic salts from de-icing materials, and petroleum and grease from spills and leaks. Toll lanes are more prone to accumulation of pollutants due to slower traffic. Road surfaces at all the facilities are cleaned regularly for safety and aesthetic reasons.

Toll lanes are cleaned with scrubbing machines that recycle the wash water. Wastewater from the scrubbing machine is collected in a 1,000-gallon holding tank, and then disposed of at a wastewater treatment facility by qualified contractor.

Road surface maintenance is performed in dry weather to prevent contamination of runoff. Maintenance contractors are required to employ best management practices during their operations (i.e., paving, paint stripping, painting, etc.). Stripping of lead-based paint is performed in an area enclosed by tarps and using vacuum to capture paint particles. All new painting is done with zinc-based paint only.

3.2.6.3 Ice and Snow Removal
Deicing chemicals are used by DRPA to remove ice and snow from bridges and approach ramps. The CG-90’ compound at each facility is protected from overhead precipitation. Storage bins are located under the bridge at Benjamin Franklin and Betsy Ross bridges.
Sidewalls of the bins help to minimize blowing precipitation from reaching the salt. The sheds constructed specifically for salt storage are used at Commodore Barry and Walt Whitman bridges. The sheds have large overhead doors that can be closed during wet weather.

“Sensible salting” practices are applied by DRPA during cold weather months. Planning, personal training, equipment maintenance, and spreader calibration all help to reduce unnecessary chemical application and thus protect the storm water.

3.2.6.4 Landscaping and Lawn Care
Nutrient runoff from roadside lawns and flowerbeds can contribute to storm water contamination. DRPA provides its own lawn and flowerbed care. Roadside herbicides are applied to certain areas by a contractor. Quality of flowerbeds is improved using alternative approaches. Such techniques include soil improvement by moss and peat addition, appropriate species selection, use of mulch, and properly timed maintenance.
APPENDIX A
SEPARATE STORM AND COMBINED SEWER SYSTEM BOUNDARIES
APPENDIX B
TEAM MEMBERS AND PLAN REVIEW FORM
<table>
<thead>
<tr>
<th>Title</th>
<th>Name</th>
<th>Responsibility</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRPA COO</td>
<td>Robert P. Hicks</td>
<td>Reviewing, Approving, and Authorizing Corporate Resources for Prevention of Oil Spills and Storm Water Pollution</td>
<td></td>
</tr>
<tr>
<td>DRPA Environmental Advisor</td>
<td>Steve Reiners</td>
<td>Implementing the Program to Prevent Oil Spills and Storm Water Pollution</td>
<td>856-968-3340</td>
</tr>
<tr>
<td>Maintenance Supervisor</td>
<td></td>
<td>Performing Routine Inspections of the Facility to Detect Oil Spills and Storm Water Pollution, Initiating Response to Oil Spills and Storm Water Pollution</td>
<td></td>
</tr>
<tr>
<td>BFB</td>
<td>Joe McAroy</td>
<td></td>
<td>856-317-5906</td>
</tr>
<tr>
<td>BRB</td>
<td>Joe McAroy</td>
<td></td>
<td>856-317-5906</td>
</tr>
<tr>
<td>CBB</td>
<td>Ricardo DeOliveira</td>
<td></td>
<td>215-218-3721</td>
</tr>
<tr>
<td>WWB</td>
<td>Ricardo DeOliveira</td>
<td></td>
<td>215-218-3721</td>
</tr>
<tr>
<td>Police Dispatch</td>
<td></td>
<td>Initiating Response to Oil Spills and Storm Water Pollution</td>
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<tr>
<td>BFB</td>
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<td>856-968-3301</td>
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<td>856-241-4801</td>
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<tr>
<td>WWB</td>
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<td></td>
<td>215-218-3701</td>
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</tbody>
</table>
SWPP PLAN REVIEW FORM

This SWPP Plan was reviewed by the following DRPA personnel:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Signature</th>
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Notes: This SWPP Plan is reviewed and amended by DRPA personnel whenever there is a change in facility design, construction, operation or maintenance that materially affects the facility’s potential for discharging oil or hazardous materials. The plan will also be reviewed and evaluated every five (5) years.
APPENDIX C
FACILITY INSPECTION FORMS
Illicit Connection Inspection Report Form

Highway Agency: ________________________________
NJPDES #: NJG ____________________ PI ID #: ____________________
Team Member: ________________________________
Date __________ Effective Date of Permit Authorization (EDPA): __________

Outfall #: ____________________ Location: ____________________
Receiving Waterbody: ____________________

1. Is there a dry weather flow? Y ( ) N ( )

2. If “YES”, what is the outfall flow estimate? __________ gpm
   (flow sample should be kept for further testing, and this form will need to be submitted
   with the Annual Report and Certification)

3. Are there any indications of an intermittent flow? Y ( ) N ( )

4. If you answered “NO” to BOTH question #1 and #3, there is probably not an illicit
   connection and you can skip to question #7.
   (NOTE: This form does not need to be submitted to the Department, but should be kept with your SPPP.)

   If you answered “YES” to either question, please continue on to question #5.
   (NOTE: This form will need to be submitted to the Department with the Annual Report and Certification.)

5. PHYSICAL OBSERVATIONS:
   (a) ODOR: none sewage sulfide oil gas rancid/sour other: ______
   (b) COLOR: none yellow brown green red gray other: ______
   (c) TURBIDITY: none cloudy opaque
   (d) FLOATABLES: none petroleum sheen sewage other: ______
   (e) DEPOSITS/STAINS: none sediment oily other: ______
   (f) VEGETATION CONDITIONS: normal excessive growth inhibited growth
   (g) DAMAGE TO OUTFALL STRUCTURES:
       IDENTIFY STRUCTURE: ________________________________

       DAMAGE: none concrete spalling/cracking peeling paint
       metal corrosion other damage ______

6. ANALYSES OF OUTFALL FLOW SAMPLE:
   * field calibrate instruments in accordance with manufacturer’s instructions prior to testing.
   (a) DETERGENTS: ________________________________ mg/L

   (if sample is greater than 0.06 mg/L, the sample is contaminated with detergents [which may be from
   sanitary wastewater or other sources]. Further testing is required and this outfall should be given the
   highest priority.)

   (if the sample is not greater than 0.06 mg/L and it does not show physical characteristics of sanitary
   wastewater [e.g., odor, floatables, and/or color] it is unlikely that it is from sanitary wastewater sources, yet
   there may still be an illicit connection of industrial wastewater, rinse water, backwash or cooling water.
   Skip to question #6c.)
(b) AMMONIA (as N) TO POTASSIUM RATIO: 

(if the Ammonia to Potassium Ratio is greater than 0.6:1, then it is likely that the pollutant is sanitary sewage)

(if the Ammonia to Potassium Ratio is less than or equal to 0.06:1, then the pollutant is from another washwater source.)

c) FLUORIDE: 

(if the fluoride levels are between 1.0 and 2.5 mg/L, then the flow is most likely from fluoride treated potable water.)

(if the sample tests below a detection limit of 0.1 mg/L for fluoride, it is likely to be from groundwater infiltration, springs or streams. In some cases, however, it is possible that the discharge could originate from an onsite well used for industrial cooling water which will test non-detect for both detergents and fluoride. To differentiate between these cooling water discharges and ground water infiltration, you will have to rely on temperature.)

d) TEMPERATURE: 

(if the temperature of the sample is over 70°F, it is most likely cooling water)

(if the temperature of the sample is under 70°F, it is most likely from ground water infiltration)

7. Is there a suspected illicit connection? Y ( ) N ( )
If “YES”, what is the suspected source? ______________________________
If “NO”, skip to signature block on the bottom of this page.

8. Has the investigation of the suspected illicit connection been completed?
Y ( ) N ( )
If “YES”, proceed to question #9.
If “NO”, skip to signature block on the bottom of this page.

9. Was the source of the illicit connection found? Y ( ) N ( )
If “YES”, identify the source (including whether source is from Highway Agency or another entity).
What plan of action will follow to eliminate the illicit connection or report the illicit connection to the NJDEP?
Resolution: ____________________________________________________
_______________________________________________________________
_______________________________________________________________

If “NO”, complete the Closeout Investigation Form and attach it to this Illicit Connection Inspection Report Form.

Inspector's Name: ____________________________________________
Title: _______________________________________________________
Signature: ___________________________________________________
Date: _______________________________________________________

If there is a dry weather flow or evidence of an intermittent flow, be sure to include this form with your Annual Report and Certification.
# Closeout Investigation Form

<table>
<thead>
<tr>
<th>Highway Agency Information</th>
<th>Highway Agency: ____________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>NJPDES #: NJG _____________ Pl ID #: ____________________________</td>
<td></td>
</tr>
<tr>
<td>Team Member / Title: ____________________________</td>
<td></td>
</tr>
<tr>
<td>Date ____________ Effective Date of Permit Authorization (EDPA): ____________________________</td>
<td></td>
</tr>
</tbody>
</table>

| Outfall #: ______________ Location: ____________________________ |
| Receiving Waterbody: ____________________________ |

**Basis for Submittal:**

( ) A non-stormwater discharge was found, but no source was located within six months.

( ) An intermittent non-stormwater discharge was observed, and three unsuccessful investigations were conducted to investigate the discharge while it was flowing.

( ) An illicit connection was found to emanate from an entity other than the Highway Agency.

Describe each phase of your investigation, including dates. Attach additional pages as necessary:

__________________________________________________________________________
__________________________________________________________________________
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__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

**Inspector’s Name:** ____________________________

**Title:** ____________________________

**Signature:** ____________________________

**Date:** ____________________________

Complete and attach this form to the appropriate Illicit Connection Inspection Report Form and submit with the annual certification.
# Daily Field Report

Daily reports are to be filled out by the employee. The form will be dated, signed and returned to the foreman for their review and filing. Foremen are responsible for follow up reports on all actions taken on reported problems. All actions taken must be documented along with the applicable certificates submitted with this report to the Director’s office.

<table>
<thead>
<tr>
<th>Date:</th>
<th>Weather</th>
<th>Truck #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee Name(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervisor</td>
<td>Start time:</td>
<td>Finish time</td>
</tr>
</tbody>
</table>

**Street Sweeping**
- Equipment #
- # of miles:
- # of loads dumped

**Inlet & Scupper**
- Equipment #
- Location:
- Inlet or Scupper#

**Litter Collection**
- Equipment #
- # of miles:
- # of bags collected

**Chemicals used**
- Type of chemical
- Location:
- Amount

**Hazmat**
- Equipment #
- Location:
- Type of spill:
- Material used

Foreman Name: ____________________________

C&M Manager: ____________________________

Please put any notations or comments on the reverse side of this document.
Dear Stormwater Program Coordinator:

Enclosed is New Jersey Pollutant Discharge Elimination System (NJPDES) Authorization to Discharge Renewal No. NJG0154270 (Category R12 -Highway Agency Stormwater General Permit) issued under the authority of Stormwater NJPDES Master General Permit No. NJ0141887 (Highway Agency Master GP).

The Highway Agency Master GP and associated documents are posted at https://www.nj.gov/dep/dwq/highway.htm, which includes a Response to Comments document that includes a summary of the significant and relevant comments received during the public comment period, the Department's responses, and an explanation of any changes from the draft action.

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

Sincerely,

Gabriel Mahon, Chief
Bureau of Nonpoint Pollution Control

December 17, 2019

C: Water Compliance and Enforcement Regional Office
AUTHORIZATION TO DISCHARGE
R12 -Highway Agency Stormwater General Permit

Facility Name: DELAWARE RIVER PORT AUTHORITY OF PA & NJ

Permit Number: NJG0154270

Program Interest No.: 223638

Facility Address:
2 RIVERSIDE DR
ONE PRT CTR
CAMDEN CITY, NJ  08101-1949

Type of Activity: Stormwater Discharge General Permit Authorization Renewal

Owner:
DELAWARE RIVER PORT AUTH PA/NJ
PO BOX 1949 - 2 RIVERSIDE DR
CAMDEN, NJ 08101-1949

Operating Entity:
DELAWARE RIVER PORT AUTH PA/NJ
PO BOX 1949 - 2 RIVERSIDE DR
CAMDEN, NJ 08101-1949

Issuance Date: 12/17/2019
Effective Date: 01/01/2020
Expiration Date: 12/31/2024

Your Request for Authorization under NJPDES General Permit No. NJ0141887 has been approved by the New Jersey Department of Environmental Protection.

______________________________
Date: 12/17/2019
Gabriel Mahon, Chief
Bureau of Nonpoint Pollution Control

(Terms, conditions and provisions attached hereto)
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
      regulations 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                     N.J.A.C. 7:14A-6.10 & 6.8(h)
      - Hotline/Two Hour & Twenty-four Hour Reporting N.J.A.C. 7:14A-6.10(c) & (d)
      - Written Reporting                         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

1. Additional Requirements Incorporated by Reference
   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 permittee to apply for and obtain a different stormwater permit for specific activities otherwise authorized under this permit.
   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).

B. General Conditions

1. Notification of Non-Compliance
   a. The permittee 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 permittee is exempt from N.J.A.C. 7:14A-6.2(a). This exemption means that the discharge of any pollutant not specifically regulated in this NJPDES permit or listed and quantified in the Request for Authorization (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 (for information on the NPDES eRule, see www.epa.gov/compliance/npdes-ereporting), 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 permittee is required to comply with applicable operation and maintenance requirements of N.J.A.C. 7:14A-6.12(a), the permittee 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 stormwater facilities specified in this permit or N.J.A.C. 7:8.

C. Eligibility

1. Permit Scope

a. This general permit applies to all stormwater discharges from small MS4s at roadways or other thoroughfares that are owned or operated by a “Highway Agency” under N.J.A.C. 7:14A-25.2(a)3.

b. For purposes of this permit and as described under N.J.A.C. 7:14A-25.2(a)3, a "Highway Agency" is a county, state, interstate or federal agency that operates a small MS4 at a “highway or other thoroughfare” (including a maintenance or service facility or rest area for such a thoroughfare). A “highway or other thoroughfare” does not include:

i. Any thoroughfare confined to the grounds of a single building, or of two or more buildings that are not a “public complex” as described in N.J.A.C. 7:14-A-25.2(a)2 (unless that building(s) is a maintenance or service facility for a highway or other thoroughfare not confined to such grounds);

ii. Any thoroughfare confined to the grounds of a “public complex” (each such thoroughfare is instead considered part of the “public complex”); or

iii. Any thoroughfare (other than the Palisades Interstate Parkway) confined to an officially designated park, forest, recreational area, natural area, wildlife management area, or area set aside for water supply protection.

c. The short title of this permit is the “Highway Agency MS4 NJPDES permit.”

2. Authorized Discharges Under the Highway Agency 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) that are owned or operated by a “Highway Agency”.
ii. Maintenance yards and other ancillary operations (see Part IV.B.5.c) that are owned or operated by a “Highway Agency”.

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 Highway Agencies and from maintenance yards and other ancillary operations (see Part IV.B.5.c) owned or operated by Highway Agencies 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;

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 Highway Agency MS4 NJPDES Permit

a. Stormwater Discharges Associated with Industrial Activity.

i. The Highway Agency 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 permittee 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. Yard Trimmings and Wood Waste Management Sites that are not owned and operated by the permittee.

iv. The Highway Agency MS4 NJPDES Permit does not authorize the discharge of stormwater that comes in contact with source material from Yard Trimmings and Wood Waste Management Sites that are owned or operated by the Highway Agency to storm sewer inlets or to surface waters of the State.

v. Any permittee that operates an industrial facility with such a discharge must submit a separate Request for Authorization (RFA) or individual permit application for that discharge. An RFA submitted for the Highway Agency MS4 NJPDES Permit does not qualify as an RFA for such a discharge.

b. Stormwater Discharges Associated with Construction Activity

i. The Highway Agency 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 permittee 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 Highway Agency MS4 NJPDES Permit does not qualify as an RFA for such a discharge. See Part IV.B.3 of the Highway Agency MS4 NJPDES Permit.

c. Stormwater Discharges Authorized under Another NJPDES Permit

i. The Highway Agency MS4 NJPDES Permit does not authorize any stormwater discharge that is authorized under another NJPDES permit.

ii. A permittee does not have to implement measures contained in this NJPDES permit for stormwater discharges at facilities owned or operated by that Highway Agency 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 Highway Agency 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 permittee as a significant contributor of pollutants to or from the MS4, the permittee 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.

4. Exclusions

a. Any owner, operator, and/or discharger authorized by this general permit may request to be excluded from the coverage of the general NJPDES permit by applying for an individual permit. The owner, operator, and/or discharger shall submit an application in accordance with N.J.A.C. 7:14A-4, with reasons supporting the request, to the NJDEP. The request shall be processed under N.J.A.C. 7:14A-15, 16 and 17. The request shall be granted by the issuance of an individual permit if the reasons cited by the owner, operator and/or discharger are adequate to support the request.
b. An owner, operator, and/or discharger excluded from this general NJPDES permit solely because of an existing individual permit, may request that the individual permit be revoked or modified, as appropriate, and that the discharge be authorized by the general NJPDES permit. Upon revocation or modification of the individual permit, the permittee shall be authorized under the general 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 permittee 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 permittee shall notify the Department of any changes of its Stormwater Program Coordinator information within 30 days of such change through the online MSRP Annual Report or using the Information Update Sheet posted at www.nj.gov/dep/dwq/pdf/msrp_update_form.pdf as specified in Part IV F.3.d. of this permit.

b. A permittee that already has authorization to discharge from a small MS4 under the Highway Agency MS4 NJPDES permit does not need to submit an RFA for the expansion (e.g. new building, new parking lot) of an existing small MS4.

3. **Requests for Authorization**
   a. New RFAs under the Highway Agency MS4 permit
      i. A single RFA is required for the entire eligible discharge from an entire small MS4 owned or operated by a Highway Agency, or the Highway Agency may divide the small MS4 into smaller regions and submit a separate RFA for each of these smaller regions.
      
      ii. The Department may choose to issue single or multiple authorizations under this permit to a Highway Agency regardless of whether the Highway Agency submitted a single or multiple RFAs.
      
      iii. An RFA under this general permit shall include the following: A completed NJPDES 1 Form, a completed R12 Supplemental Application Form, 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. The Department may notify a person that the discharge is authorized by a general permit, even if the person has not submitted an RFA. A person so notified may nonetheless request an individual permit under C.4 above.
PART III
Recordkeeping and Reporting

The permittee 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 is found at Part IV.F of this permit, and the requirement 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. "EPA" - United States Environmental Protection Agency
      v. "GIS" – Geographic Information System
      vi. "MS4" - Municipal Separate Storm Sewer System
      vii. "MSRP" - Municipal Stormwater Regulation Program
      viii. "MTD" - Manufactured Treatment Device
      ix. "N.J.A.C." - New Jersey Administrative Code
      x. "NJPDES" - New Jersey Pollutant Discharge Elimination System
      xi. "N.J.S.A." - New Jersey Statutes Annotated
      xii. "RFA" - Request for Authorization
      xiii. "SPPP" - Stormwater Pollution Prevention Plan
      xiv. "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 Highway Agency MS4 NJPDES Permit are not preceded by descriptive text (e.g. Part IV.A.1 refers to Stormwater Program).

3. Department Resources for Guidance Relating to MS4 Issues
   a. MS4 main website and related links: https://www.nj.gov/dep/dwq/msrp_home.htm

c. Construction Site Stormwater Runoff: https://www.nj.gov/dep/dwq/5g3.htm

d. Snow Removal and Disposal Policy: https://www.nj.gov/dep/dwq/bnpe_home.htm

e. Green Infrastructure and related links: https://www.nj.gov/dep/gi/

f. Stormwater management information and training tools: https://www.nj.gov/dep/stormwater/

g. Public education for stormwater pollution: https://www.cleanwaternj.org

h. Clean Communities, a statewide litter abatement program: https://www.njclean.org

i. Total Maximum Daily Load (TMDL) information: https://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:

c. EPA's guidance for Green Infrastructure:
   http://water.epa.gov/infrastructure/greeninfrastructure/index.cfm

d. EPA's Trash Free Waters resource page:  www.epa.gov/trash-free-waters

e. 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 Highway Agency MS4 NJPDES permit becomes effective. This date may be found on the permittee’s Authorization to Discharge page.

d. “Existing permittee” means a permittee that held an authorization to discharge under the Highway Agency MS4 NJPDES permit the day before the effective date of this permit.

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 Highway Agency 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. "Limited-access highway" means every highway, street, or roadway in respect to which owners or occupants of abutting lands and other persons have no legal right of access to or from the same except at such points only and in such manner as may be determined by the public authority having jurisdiction over such highway, street, or roadway; and includes any highway designated as a "freeway" or "parkway" by authority of law.

h. "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.

i. “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 permittee’s stormwater program. 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-1et seq., are also considered "major development."

j. "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.

k. “New permittee” means a permittee that obtains its first authorization to discharge under the Highway Agency MS4 NJPDES permit on or after the effective date of this permit.

l. "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.
m. “Regulatory mechanism” means an ordinance, permit, standard, contract language, or any other procedure, that will be enforced by the permittee.

n. "Small MS4" means all municipal separate storm sewers systems (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);
   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 Highway Agency 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.

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. “Stormwater runoff" means water flow on the surface of the ground or in storm sewers, resulting from precipitation.

v. "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.

w. "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.

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.
Highway Agency Stormwater General Permit

A. Stormwater Management Program

1. Stormwater Program Requirements

   a. The permittee shall develop, update, implement and enforce an MS4 stormwater program. A primary objective of the MS4 stormwater program shall be to implement best management practices and other measures that are designed to reduce the discharge of pollutants from the permittee’s MS4, 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.

   b. The permittee shall modify its stormwater program (including necessary modification to applicable plans and appropriate regulatory mechanisms) to conform with applicable new legislation, or new or amended regulations. Such modification shall be completed and effective within 12 months of notification by the Department of the need for modification.

   c. The permittee shall develop, update, implement, and maintain a written Stormwater Pollution Prevention Plan (SPPP) for each authorization issued under the Highway Agency MS4 NJPDES permit that meets the requirements in Part IV.A.2 below (see the Highway Agency Guidance document https://www.nj.gov/dep/dwq/highway_guidance.htm).

   d. The permittee shall designate a Stormwater Program Coordinator (Stormwater Coordinator) who has overall responsibility for the operation of the permittee’s stormwater facilities or environmental matters as follows:

      i. The Stormwater Coordinator shall be either a principal executive officer or a duly authorized representative, as allowed by N.J.A.C. 7:14A-4.9(b); and

      ii. If an assignment under i. above changes, then a new assignment of responsibility shall be submitted to the Department within 30 days of such change taking place. 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 https://www.nj.gov/dep/dwq/pdf/msrp_update_form.pdf.

   e. The Stormwater Coordinator shall be responsible for the following:

      i. Coordinating the permittee’s implementation of the Highway Agency MS4 NJPDES permit conditions and the SPPP;

      ii. Signing and dating the SPPP; and

      iii. Coordinating the completion and submittal of the MSRP Annual Report, consistent with Part IV.G.

2. Stormwater Pollution Prevention Plan (SPPP) Requirements

   a. The permittee’s SPPP shall include, at a minimum, information that:

      i. Identifies the person designated as the Stormwater Coordinator per Part IV.A.1.d above;

      ii. Identifies the members of the SPPP Team, which is comprised of the person or persons responsible for implementing or coordinating the SPPP activities;
Highway Agency Stormwater General Permit

iii. Identifies each individual maintenance yard to be covered under each permit authorization, including the geographic region and site specific details of each yard. At a minimum, the SPPP for permittees with multiple yards must include an individual Form 10 (Maintenance Yards and Other Ancillary Operations) for each yard, as well as any other site specific SPPP Forms for each yard, where applicable;

iv. Describes the measures necessary for compliance with all components of this permit including all measures described in Parts IV.B, C, D, E and F below;

v. Documents the permittee’s MS4 Stormwater Program including a description of shared or contracted services as allowed under Part IV.A.3 (Implementation of SPPP Conditions through Shared or Contracted Services), below; and

vi. Reflects the measurable goals, implementation schedules, recordkeeping and other requirements in Attachment A (Measurable Goals and Implementation Schedule).

b. The permittee’s Stormwater Coordinator shall sign and date the SPPP per Part IV.A.1.e., above.

c. The permittee shall review the SPPP at least annually and update it as often as necessary to reflect changes related to the permittee’s MS4 Stormwater Program. Any amendments to the SPPP:

i. Shall continue to meet the requirements of this permit;

ii. Shall be incorporated into the SPPP and recorded on the SPPP revisions page; and

iii. Shall be signed and dated by the Stormwater Coordinator.

d. The SPPP shall note the location of all records / documentation required by this permit (See Attachment A- Measurable Goals and Implementation Schedule for additional detail).

e. The Department may notify the permittee 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 permittee shall amend the SPPP to adequately address all deficiencies.

f. The current SPPP shall be posted on the permittee’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.

h. New Permittee: A new permittee shall develop, implement, maintain, and post on the permittee’s website a written SPPP as required by this section on or before EDPA + 12 months.

3. Implementation of Permit Conditions through Shared or Contracted Services

a. The permittee may rely on another governmental, private, or nonprofit entity to satisfy one or more of the permit conditions, or component thereof, through the implementation of best management practices or control measures, provided that:

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 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 permit on the permittee’s behalf; and

iv. The permittee specifies in its SPPP (1) which permit conditions will be implemented by another entity and (2) the name of the responsible entity.

b. For any projects or activities which the permittee 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 this permit.

c. The permittee is responsible for compliance with this permit if the other entity fails to implement the measure(s) or component(s), thereof.

B. Statewide Basic Requirements and Associated Conditions

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

a. The permittee shall comply with applicable State and local public notice requirements when providing for public participation in the development and implementation of an 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.); and

ii. Statutory procedures for the enactment of ordinances or other regulatory mechanisms (e.g., N.J.S.A. 40:49-2, 40:41A-101, or 52:14B-1 et seq., where applicable), adopted to comply with Part IV of this permit.

b. The permittee shall make the following elements of its MS4 stormwater program available to the public:

i. Provide the current SPPP upon request as required by Part IV.A.2.g (SPPP); and

ii. Post the current SPPP on its website to the extent required by Part IV.A.2.f (SPPP); and

iii. Post all regulatory mechanisms required by this permit (see Part IV.B.5.a) on its website.

c. The permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Public Involvement and Participation Including Public Notice specified in Attachment A (Measurable Goals and Implementation Schedule).

2. Minimum Standards for Local Public Education and Outreach

a. Highway Agencies that own or operate rest areas and/or service areas shall implement a Local Public Education and Outreach Program that focuses on educational and pollution prevention activities to involve the public in reducing pollutants in stormwater and mitigating flow. The permittee shall:

i. Annually conduct activities that total at least 5 (five) points as set forth in Attachment B (Points System for Public Education Activities) of this permit; and
ii. Keep records to demonstrate compliance with this requirement, including date of activities and any other relevant documentation.

b. All other permittees not identified in 2.a above may satisfy the educational component of the permit through the implementation of an employee training program pursuant to Part IV.B.5.d (Employee Training) of this permit.

c. The 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 (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 https://www.nj.gov/dep/dwq/5g3.htm. Pursuant to N.J.A.C. 7:14A-25.7(b), the permittee 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 permittee shall develop, update, implement and enforce its stormwater management program to address post construction stormwater runoff in new development and redevelopment projects owned or operated by the permittee, and to ensure compliance with the Stormwater Management rules at N.J.A.C. 7:8 et seq.

b. The permittee shall address stormwater runoff from the following types of major development through a post construction stormwater management program, unless any additional development is defined as “major development” by the permittee’s stormwater program:
   i. New development and redevelopment projects that disturb one acre or more and are owned or operated by the permittee; and
   ii. All new development and redevelopment projects that are less than one acre that are part of a larger common plan of development that ultimately disturbs one acre or more.

c. The permittee shall ensure, through a post construction stormwater management program, 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 permittee shall review and analyze development plans for compliance with N.J.A.C. 7:8 et seq. The permittee’s review engineer shall be independent from the design engineer and shall not have been involved in the design of the development plans. The permittee shall review and analyze development plans for compliance with N.J.A.C. 7:8 et seq. even if a permit is required by the Department for the same or similar activity (e.g. a Land Use permit).

e. The design and performance standards for stormwater management measures can be met at an alternative location or by alternative means provided the permittee has a mitigation plan which meets the following requirements:
i. The mitigation plan shall identify measures that are necessary to offset the deficit created by the alternate location or design. The mitigation plan must satisfy the same criteria that a mitigation plan prepared in accordance with the Stormwater Management Rule N.J.A.C. 7:8-4.6 must satisfy. See Chapter 3 of the NJ Stormwater BMP Manual at https://www.njstormwater.org for guidance; and

ii. The permittee submits, within 30 days after approving an alternate location or design, a written report to the Department describing the alternate location or design 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

f. The permittee shall 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.

g. The permittee shall ensure adequate long-term cleaning, operation and maintenance of stormwater management measures, pursuant to Part IV.C.2. (Stormwater Facilities Maintenance), owned or operated by the permittee.

h. For each structural and non-structural stormwater measure (e.g. stormwater management basin, subsurface infiltration/detention system, manufactured treatment device, green infrastructure), the permittee shall:

i. Update and maintain a Major Development Project List (included as Attachment D of this permit and posted on the Department’s website at https://www.nj.gov/dep/dwq/highway.htm); and

ii. Submit the Major Development Project List to the Department annually with the MSRP Annual Report.

i. Major development that does not require any Department permits listed under N.J.A.C. 7:8-1.6(c) and has received Federal or State authorization to initiate final design as of the operative date of amendments to the Stormwater Management Rules at N.J.A.C. 7:8, shall be subject to the Stormwater Management Rules in effect one day before the operative date of the rule amendments.

j. The Stormwater Management rules N.J.A.C. 7:8 apply to all areas owned or operated by the permittee.

k. The 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 (Measurable Goals and Implementation Schedule).

5. Minimum Standards for Pollution Prevention / Good Housekeeping

a. Regulatory Mechanisms: The permittee shall adopt and enforce the following regulatory mechanisms to address improper disposal of waste:

i. Pet Waste Control: Adopt and enforce an appropriate regulatory mechanism that requires pet owners or their keepers to immediately and properly dispose of their pet's solid waste deposited on any part of the Highway Agency property;
ii. Wildlife Feeding Control: Adopt and enforce an appropriate regulatory mechanism that prohibits the feeding of any wildlife (e.g. Canada Geese) on any property owned or operated by the permittee. 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 regulatory mechanism specifically lists and excludes for reasons set forth in the regulatory mechanism;

iii. Litter Control: Enforce the existing State litter statute at N.J.S.A 13:1E-99.3, or adopt and enforce an appropriate regulatory mechanism that is at least as stringent as the State litter statute;

iv. Improper Disposal of Waste: Adopt and enforce an appropriate regulatory mechanism 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;

v. Model regulatory mechanism language for the above requirements can be found in the Highway Agency Guidance document at https://www.nj.gov/dep/dwq/highway.htm; and

vi. An additional requirement for the adoption and enforcement of an appropriate regulatory mechanism is found at Part IV.B.6.d (Illicit Connection Prohibition) of this permit.

b. Control Measures: The permittee shall develop and continue to implement the following measures to control solids and floatables:

i. Litter Pick-Up Program: The permittee shall develop and implement a litter pick up program that includes roadside clean-up of trash and debris and regular collection of refuse from litter and recycling receptacles owned and operated by the permittee, including those located at rest areas and service areas. The permittee shall maintain records of roadside clean-ups and estimates of the total amount of trash and debris collected;

ii. Quarterly Street Sweeping: The permittee shall sweep, at a minimum of once every three months, or more frequently as necessary to eliminate recurring problems, all segments of limited-access highways (including ramps and parking areas) that are owned or operated by the permittee and have storm drain inlets or discharge directly to surface water;

iii. Triannual Street Sweeping: The permittee shall sweep, at a minimum of once every four months, or more frequently as necessary to eliminate recurring problems, all segments of streets, ramps, and parking areas that are owned or operated by the permittee and have storm drain inlets or discharge directly to surface water but are not limited-access highways;

iv. Annual Street Sweeping: The permittee shall sweep, at a minimum of once per year, or more frequently as necessary to eliminate recurring problems, all segments of streets, ramps and parking areas that are owned or operated by the permittee but do not have storm drain inlets or discharge directly to surface water;

v. Storm Drain Inlet Inspection: The permittee shall inspect, at a minimum of once per year, all storm drain inlets that it owns or operates. Documentation of inspections shall include: inlet location, date visited, observations of the inlet’s structural integrity, and if maintenance or repairs are required;
vi. Storm Drain Inlet Cleaning: The permittee shall develop, update, and implement a storm drain inlet cleaning program. The program shall establish when a storm drain inlet must be cleaned and shall be implemented as frequently as necessary to ensure, at a minimum, that sediment, trash, or other debris is removed as necessary to control it from entering the waters of the State, to eliminate recurring problems and maintain proper function. This program shall be described in the written SPPP, as required in Part IV.A.2. (SPPP);

vii. Catch Basin Inspection: The permittee shall inspect and document inspections of all catch basins that it owns or operates. At a minimum, permittees who own or operate less than 2,500 catch basins shall inspect those basins once per year. Permittees who own or operate 2,500 catch basins or more shall inspect a minimum of 20% of the total or 2,500 per year, whichever is greater, rotating the schedule in such a way that all catch basins are inspected at least once every five years on approximately the same frequency. Documentation of inspections shall include: catch basin location, date visited, observations of the catch basin’s structural integrity, and if maintenance or repairs are required;

viii. Catch Basin Cleaning: The permittee shall develop, update, and implement a catch basin cleaning program. The program shall establish when a catch basin must be cleaned, include procedures for cleaning, and shall be implemented as frequently as necessary to ensure, at a minimum, that sediment, trash, or other debris is removed as necessary to control it from entering the waters of the State, to eliminate recurring problems and maintain proper function. For guidance related to catch basin cleaning, refer to the EPA Catch Basin Technology Overview and Assessment in the Highway Agency Guidance document (https://www.nj.gov/dep/dwq/highway_guidance.htm). This program shall be described in the written SPPP, as required in Part IV.A.2. (SPPP).

ix. Storm Drain Inlet Labeling: The permittee shall label all storm drain inlets for those drains that do not have permanent wording cast into the structure of the inlet, which are located at rest areas, service areas, maintenance facilities, and along streets with sidewalks. See the Highway Agency Guidance document (https://www.nj.gov/dep/dwq/highway_guidance.htm) for additional information;

x. Storm Drain Inlet Label Maintenance: The permittee shall maintain the legibility of storm drain inlet labels and replace any labels that are missing or not legible. See the Highway Agency Guidance document (https://www.nj.gov/dep/dwq/highway_guidance.htm) for additional information;

xi. Storm Drain Inlet Retrofit: The permittee shall retrofit existing 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);

xii. Herbicide Application Management: The permittee shall restrict the application of herbicides to prevent herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation, as follows: (1) The permittee shall not apply herbicides on or adjacent to storm drain inlets, or on steeply sloping ground; (2) The permittee shall only apply herbicides along curb lines, highway median barriers, and unobstructed shoulders that contain unwanted vegetation; and (3) The permittee shall only apply herbicides within a 2-foot radius around structures where overgrowth presents a safety hazard and where it is unsafe to mow;
xiii. Excess De-icing Material Management: The permittee shall remove, within 72 hours after the end of the storm event, conditions permitting, piles of excess salt and de-icing materials that have been deposited during spreading operations (e.g., piles resulting from accidental spillage or when spreading equipment is started or stopped) on all streets, ramps, and parking areas owned or operated by the permittee. Excess de-icing material removed from streets, ramps, and parking areas may be returned to storage or properly managed if unsuitable for reuse.

xiv. Roadside Vegetative Waste Management: The permittee shall ensure the proper pickup, handling, storage and disposal of wood waste and yard trimmings generated by the Highway Agency. Wood waste and yard trimmings shall be managed to minimize the impact of vegetative maintenance activities on stormwater discharge quality, and shall be prohibited from being blown or deposited into storm drain inlets and stormwater facilities; and

xv. Refuse Containers and Dumpsters: The permittee shall ensure that dumpsters (including tire) and other refuse containers that are outdoors or exposed to stormwater, are covered at all times. This serves to prevent the spilling, dumping, leaking, or otherwise discharge of liquids, semi-liquids or solids from the containers. This measure is not intended for permitted temporary demolition containers or containers that hold large bulky items (e.g., furniture, clean car parts, and other large items recovered from the roadway), provided they do not contain putrescible waste.

c. Maintenance Yards and Other Ancillary Operations: The permittee shall implement the best management practices described in Attachment E (Best Management Practices for Maintenance Yards and Other Ancillary Operations) for maintenance yards and other ancillary operations owned or operated by the permittee. Ancillary operations include but are not limited to impound yards, permanent and mobile fueling locations, and yard trimmings and wood waste management sites. Best Management Practices shall be implemented for the following activities, whenever such activities occur:

i. Inventory of Material and Machinery;

ii. Inspections and Good Housekeeping;

iii. Fueling Operations;

iv. Discharge of Stormwater from Secondary Containment;

v. Vehicle Maintenance;

vi. On-Site Equipment and Vehicle Washing and Wash Wastewater Containment;

vii. Salt and De-icing Material Storage and Handling;

viii. Aggregate Material and Construction Debris Storage;

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

x. Yard Trimmings and Wood Waste Management.

d. Employee Training: The permittee shall develop, update and implement an employee training program to address permit components and SPPP requirements. All Highway Agency employees shall receive training on those stormwater topics applicable to their title and duties within 3 months of commencement of duties. In addition, follow-up training shall occur as specified below:
i. Maintenance Yard Operations (including Ancillary Operations) - the permittee shall 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 and catch basin clean out material storage; yard trimmings and wood waste management sites. See Part IV.B.5.c (Maintenance Yards and Other Ancillary Operations).

ii. Stormwater Facility Maintenance – the permittee shall provide training annually on inventory and mapping of stormwater facilities, maintenance of inventoried stormwater facilities, catch basin and inlet cleaning methods, and herbicide application management. See Part IV.C.1 and 2 (Stormwater Facilities Map and Maintenance), Part IV.B.5.b.v-viii (Storm Drain Inlets and Catch Basins), and Part IV.B.5.b.xii (Herbicide Application Management).

iii. The permittee shall provide general training annually on the Highway Agency’s SPPP, applicable recordkeeping requirements, and detailed training on any component applicable to an employee’s title and duties. See Part IV.A.2 (SPPP).

iv. Street Sweeping - the permittee shall provide training once every two years on sweeping schedules and proper management of materials collected. See Part IV.B.5.b.ii-iv (Street Sweeping).

v. Illicit Connection Elimination and Outfall Pipe Mapping - the permittee shall provide training once every two years 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.a and c (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.

vi. Outfall Pipe Stream Scouring Detection and Control - the permittee shall provide training once every two years on how to identify outfall pipe stream scouring and contributing factors. See Part IV.B.6.b (Stream Scouring).

vii. Waste Disposal Education - the permittee shall provide training once every two years on the impacts associated with improper waste disposal, how to respond to inquiries regarding improper waste disposal, and appropriate enforcement authority.

viii. Regulatory Mechanisms - the permittee shall provide training once every two years on the regulatory mechanisms identified in Part IV.B.5.a, above. Training shall include an overview of the requirements, enforcement, and the repercussions of non-compliance.

ix. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment - the permittee shall provide general training once every two years 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. Training may also be conducted on stormwater-related topics that serve an educational purpose for employees.

xi. The location of records including sign in sheet(s), date(s) of training, and training agenda(s) shall be noted in the SPPP.
e. Stormwater Management Design Review Training: The permittee shall ensure that all engineers, and other individuals that review the stormwater management design for development and redevelopment projects for the Highway Agency, complete the Department approved Stormwater Management Design Review Course (see https://www.nj.gov/dep/stormwater/training.htm) once every five years. 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 permittee must notify the Department in writing no later than thirty days after the missed course explaining why attendance was not possible and what alternate arrangements are being made. Training obtained within five calendar years prior to EDPA qualifies towards this requirement. The permittee is required to maintain a list of the dates and names of training program participants.

f. The permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules Pollution Prevention / Good Housekeeping specified in Attachment A (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: The permittee shall develop, update and maintain an outfall pipe map showing the location of the end of all MS4 outfall pipes (in tidal and non-tidal receiving waters) owned or operated by the permittee which discharge to a surface water body. The outfall pipe map shall also:

i. Show the location and name of all surface water bodies receiving discharges from those outfall pipes;

ii. Be included in the SPPP (if providing access to map via a link, include URL address in SPPP);

iii. Be updated annually to include, at a minimum, the location of the end of any new or newly identified MS4 outfall pipes;

iv. Be provided to the Department on or before EDPA + 12 months; and

v. Be submitted electronically by December 21, 2020 via the Department’s designated electronic submission service.

b. Stream Scouring: The permittee 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 permittee. This program shall be described in the written SPPP, as required in Part IV.A.2., above. See the Highway Agency Guidance document (https://www.nj.gov/dep/dwq/highway_guidance.htm) for additional information. The permittee shall, at a minimum:

i. Inspect and document inspections of each outfall pipe which discharges to a stream for localized stream scouring in the vicinity of the outfall pipe, at least once every five years, with a minimum of 20% of the total number of outfalls or 100 per year, whichever is greater;

ii. Inspect, within 30 days of identification, any outfall pipes newly identified per Part IV.B.6.a for localized stream scouring in the vicinity of the outfall pipe;

iii. When localized stream scouring is detected, identify sources of stormwater that contribute to the scouring from the outfall pipe within 3 months;
iv. Each identified stormwater source shall be investigated;

v. Where identified sources are located on property owned or operated by the permittee, corrective action shall be taken by the permittee to reduce stormwater rate or volume when feasible;

vi. Prioritize, schedule and complete remediation of identified localized stream scouring and take action based upon the requirements of Part IV.B.6.b.iii, above. If not completed within 12 months, a schedule for completion shall be maintained as required in Part IV.C.3. (Stormwater Facilities Maintenance);

vii. 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), or, for New Jersey Department of Transportation (NJDOT) projects, the NJDOT Soil Erosion and Sediment Control Standards at N.J.A.C. 16:25A (e.g., Conduit Outlet Protection 4.18), and the requirements for bank stabilization and channel restoration found at N.J.A.C. 7:13 et seq.

viii. All associated maintenance or repairs to stormwater facilities shall be made in accordance with N.J.A.C. 7:8; and

ix. Document investigations and actions taken for localized stream scouring as necessary to demonstrate compliance with this requirement. Outfall inspections shall include: outfall location, date visited, and observations of the outfall’s structural integrity and if maintenance or repairs need to take place.

c. Illicit Discharge Detection and Elimination: The permittee shall develop, update, implement and enforce an ongoing Illicit Discharge Detection and Elimination Program in accordance with this permit. This program shall be described in the written SPPP, as required in Part IV.A.2. (SPPP). See the Highway Agency Guidance document and the USEPA Guidance document for additional information. The permittee shall, at a minimum:

i. Conduct visual dry weather inspection of all outfall pipes owned or operated by the permittee at least once every five years, with a minimum of 20% of the total number of outfalls or 100 per year, whichever is greater to determine if dry weather flow (flow occurring 72 hours after a rain event) or other evidence of illicit discharge is present;

ii. Inspect, within 30 days of identification, any newly identified outfall pipes per Part IV.B.6.a to determine if dry weather flow or other evidence of illicit discharge is present;

iii. Investigate dry weather flows discovered during routine inspection and maintenance of other elements of the MS4;

iv. Investigate, within 30 days of receipt, complaints and reports of illicit connections, including those from operating entities of interconnected MS4s;

v. Investigate the source if evidence of illicit discharge is found;

vi. Eliminate, within one year of discovery, non-stormwater discharges that are traced to their source and found to be illicit connections; and

vii. Document investigations and actions taken using the Department’s Illicit Connection Inspection Report Form. See https://www.nj.gov/dep/dwq/highway.htm;
d. The permittee shall adopt and enforce an appropriate regulatory mechanism that prohibits illicit connections to the small MS4 owned or operated by the permittee. See the Highway Agency Guidance document https://www.nj.gov/dep/dwq/highway_guidance.htm).

e. The 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 (Measurable Goals and Implementation Schedule).

C. Other Control Measures

1. Minimum Standards for Stormwater Facilities Mapping
   a. The permittee shall develop, update and maintain a Stormwater Facilities Map, which shall include, but is not limited to, the following stormwater facilities that are owned or operated by the permittee:
      i. Storm drain inlets constructed after EDPA;
      ii. Stormwater management basins;
      iii. Subsurface infiltration/detention systems;
      iv. Manufactured treatment devices (MTDs); and
      v. Green infrastructure.
   b. The Stormwater Facilities Map shall:
      i. Show property boundaries of the Highway Agency maintenance yard(s), ancillary operations, rest areas, and service areas as well as an annotated map of roadways and thoroughfares owned or operated by the permittee;
      ii. Include the type of each stormwater facility;
      iii. Be updated annually to include, at a minimum, the location of any new or newly identified stormwater facilities;
      iv. Be populated and maintained in an electronic format provided by the Department;
      v. Be provided to the Department on or before EDPA + 36 months; and
      vi. New data points subsequently added to the map shall be provided to the Department annually thereafter as an attachment to the MSRP Annual Report and Certification.
   c. The permittee may combine this map with the MS4 Outfall Pipe Map specified at Part IV.B.6.a (Outfall Pipe Mapping).
   d. The permittee may use the Department’s Mapping Application to assist with this requirement. See https://www.nj.gov/dep/dwq/msrp_map_aid.htm.
   e. The permittee shall meet the minimum standards of this permit, and the measurable goals (including any recordkeeping) and implementation schedules for Stormwater Facilities Mapping specified in Attachment A (Measurable Goals and Implementation Schedule).

2. Minimum Standards for Stormwater Facilities Maintenance
a. The permittee shall develop, update and implement a program to ensure adequate long-term cleaning, operation and maintenance of all permittee owned or operated stormwater facilities.

b. Stormwater facility 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 https://www.nj.gov/dep/stormwater/maintenance_guidance.htm.

c. The permittee shall maintain a log sufficient to demonstrate compliance with this section; which shall include, but is not limited to the following information:
   i. stormwater facility inspected;
   ii. 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);
   iii. name of inspector;
   iv. date of inspection;
   v. findings; and
   vi. any preventative and corrective maintenance performed.

d. Example Maintenance Logs and Inspection Records forms which are sufficient to demonstrate compliance with this section are available at https://www.nj.gov/dep/stormwater/maintenance_guidance.htm.

e. The permittee shall certify annually in the MSRP Annual Report that permittee owned or operated stormwater facilities are functioning properly.

f. If stormwater facilities are found not to be functioning properly, necessary preventive and corrective maintenance shall be taken, which shall be documented and prioritized, and a schedule for such repairs shall be maintained. The permittee shall prioritize this schedule based upon the following:
   i. environmental, health and safety concerns;
   ii. the findings of catch basin and storm drain inlet inspections performed pursuant to Part IV.B.5.b.v and vii. (Storm Drain Inlet and Catch Basin Inspections), above;
   iii. the findings of stream scouring inspections performed pursuant Part IV.B.6.b (Stream Scouring), above; and
   iv. the findings pursuant to Part IV.C.4 (TMDL Information), below.

g. The permittee shall maintain copies of all maintenance plans, as defined in Notes and Definitions Part IV.B.1.g (Maintenance Plan) of this permit, for stormwater facilities.

h. The permittee shall make copies of these maintenance plans available to the Department upon request.

i. The 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 (Measurable Goals and Implementation Schedule).

3. Minimum Standards for Total Maximum Daily Load (TMDL) Information
a. The permittee 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 all: maintenance yards; rest areas; service area properties; and new "major development" projects as defined by the permittee's stormwater program. This information may be accessed at https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm. The permittee shall use this TMDL information to, at a minimum:

i. Assist in the selection and design of stormwater BMPs for "major development" projects, and the prioritization of stormwater facility maintenance, including schedules for repairs required at Part IV.B.6.b.vi. (Stream Scouring) and IV.C.3. (Stormwater Facilities Maintenance), above; and

ii. Identify and develop strategies to address specific sources of stormwater related pollutants contributing to discharges authorized under this 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” found at https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm).

b. The permittee shall annually update its SPPP to list information identified in a. above.

c. The permittee shall incorporate any strategies identified in a. above as an Optional Measure. See Part IV.E (Optional Measures), below, and Part IV.A.2.c (SPPP), above.

d. The 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 (Measurable Goals and Implementation Schedule).

D. Additional Measures

1. Incorporation of Additional Measures

a. Additional Measures are non-numeric (e.g., BMPs) or numeric effluent limitations that are expressly required to be included in a permittee'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 permittee. The Department will incorporate each adopted Additional Measure in a modification to this permit. For any required Additional Measure(s) other than numeric effluent limitations, the required Additional Measure(s) will specify the BMPs that shall be implemented and the measurable goals. Such BMPs shall be identified in the SPPP as Additional Measure(s). 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 permittee, that extend beyond the requirements of this permit and that prevent or reduce pollution to waters of the State.

b. The permittee 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.

F. Recordkeeping

1. Standard Recordkeeping Requirements
   a. The permittee shall retain copies of the MSRP Annual Report and Certification as well as any records required to be kept by this permit for a period of at least 5 years and be made available to the Department upon request.

G. Annual Report and Certification

1. Reporting Requirements
   a. The permittee shall complete an MSRP Annual Report, including the Major Development Project List (Attachment D) and any Supplemental Questions, using the electronic format provided by the Department via the MSRP Annual Report service accessed through the Regulatory Services Portal (https://www.njdeponline.com).
   b. The MSRP Annual Report shall summarize the status of compliance with the conditions of this permit. Specifically, this includes compliance with the permittee's Stormwater Management Program (Part IV.A), Statewide Basic Requirements (Part IV.B), Other Control Measures (Part IV.C), Additional Measures (Part IV.D), Optional Measures (Part IV.E) Recordkeeping (Part IV.F), and any other permit conditions listed on the MSRP Annual Report form, including Supplemental Questions for the subject year between January 1 and December 31.
   c. The Stormwater Program Coordinator, or duly authorized representative pursuant to N.J.A.C. 7:14A-4.9(a)4. shall certify, sign and date the Annual Report.
   d. Submit an Annual Report and Certification: on or before May 1st annually to the Department through the Regulatory Services Portal (instructions at https://www.nj.gov/dep/dwq/highway.htm).
   e. A copy of each Annual Report and Certification shall be made available to the Department for inspection.
Attachment A – Measurable Goals and Implementation Schedule

General

The following table specifies the Measurable Goals and Implementation Schedule of this Highway Agency MS4 NJPDES Permit. Each Measurable Goal and Implementation Schedule is associated with a permit citation and a summary of the associated Minimum Standard. The summary of Minimum Standard column represents a paraphrase of permit conditions. Actual Minimum Standards are found in Part IV of the permit.

An indication of whether the cited Minimum Standard is a new requirement is provided in the last column. Where a requirement is not new and not modified (and for some that are modified), the permittee is expected to be in compliance on the Effective Date of Permit Authorization (EDPA). For most new requirements (and for some modified requirements), additional time is provided for achieving compliance.

See below for specific Measurable Goals that shall be documented in the SPPP. **The permittee shall develop, update, implement, and maintain a written SPPP as required by Part IV.A.1.c., above.** The Implementation Schedule refers to the date that a Minimum Standard must be incorporated into the permittee’s stormwater program, along with any ongoing requirements. In addition to the requirements of Part IV.A.2 above, the SPPP shall identify and discuss the Minimum Standard of each Statewide Basic Requirement (Part IV.B, above) and Other Control Measures (Part IV.C, above) where the following information is required for each item:

- Describe the method of implementation;
- Include an implementation schedule, consistent with permit requirements, including interim milestones;
- Include any special diagrams required by the permit (e.g., stormwater facilities map);
- Include inspection and maintenance schedules, as appropriate; and
- Maintain required records.

This table does not include Measurable Goals and an Implementation Schedule for the Notes and Definitions Part IV, Part IV.A (Stormwater Management Program), Part IV.D (Additional Measures), IV.E (Optional Measures), and IV.G (Annual Report and Certification) because these are not Statewide Basic Requirements or Other 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, D, E, F, and G are permit requirements and compliance is required.
<table>
<thead>
<tr>
<th>Summary of Minimum Standard (See Part IV for specific permit requirements)</th>
<th>Permit Cite</th>
<th>Measurable Goal (See Part IV for specific permit requirements)</th>
<th>Implementation Schedule</th>
<th>New Requirement?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public Involvement and Participation Including Public Notice</strong></td>
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<tr>
<td>Provide for public notice, as applicable, under the Open Public Meetings Act and statutory procedures for enactment of ordinances or other regulatory mechanisms when providing for public participation in the development and implementation of a stormwater program. Maintain records necessary to demonstrate compliance.</td>
<td>IV.B.1.a &amp; c</td>
<td>Certify in each annual report that all applicable public notice requirements have been met and relevant records kept. Reference in the SPPP the location of associated records.</td>
<td>EDPA</td>
<td>EDPA</td>
</tr>
<tr>
<td>Provide the current SPPP to the public upon request.</td>
<td>IV.B.1.b.i</td>
<td>Certify in each annual report that the SPPP was made available to the public.</td>
<td>EDPA</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Post the current SPPP on the permittee’s website.</td>
<td>IV.B.1.b.ii</td>
<td>Certify in each annual report that the SPPP has been posted on the permittee’s website (to the extent required by Part IV.A.2.f) and that the posted SPPP is current.</td>
<td>EDPA + 90 days</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Post all regulatory mechanisms on the permittee’s website.</td>
<td>IV.B.1.b.iii</td>
<td>Certify in each annual report that regulatory mechanisms have been posted on the permittee’s website and that the posted documents are current.</td>
<td>EDPA + 90 days</td>
<td>EDPA + 12 months</td>
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<td><strong>Local Public Education and Outreach</strong></td>
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<tr>
<td>Permittees that operate rest areas and/or service areas shall implement a program focusing on activities to involve the public in reducing stormwater pollutants.</td>
<td>IV.B.2.a</td>
<td>Certify in each annual report that the permittee has developed and is implementing a Local Public Education and Outreach Program.</td>
<td>EDPA</td>
<td>EDPA+12 months</td>
</tr>
<tr>
<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
<td>Permit Cite</td>
<td>Measurable Goal (See Part IV for specific permit requirements)</td>
<td>Implementation Schedule</td>
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<td>Permittees that operate rest areas and/or service areas shall conduct activities that total at least 5 points as set forth in Attachment B (Points System for Public Education and Outreach Activities) of this permit. Keep records to demonstrate compliance with this requirement.</td>
<td>IV.B.2.a.i and ii</td>
<td>Certify in each annual report that the minimum point value has been met and report point totals in the Annual Report. Keep records to demonstrate compliance with this requirement.</td>
<td>EDPA+12 months</td>
<td>New</td>
</tr>
<tr>
<td>Permittees not identified in IV.B.2.a shall satisfy the educational requirements through the implementation of an employee training program pursuant to IV.B.5.d.</td>
<td>IV.B.2.b</td>
<td>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 and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
<td>No</td>
</tr>
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**Post Construction Stormwater Management in New Development and Redevelopment**

- Develop, update, implement and enforce its post construction stormwater management program in new development and redevelopment to ensure compliance with the Stormwater Management rules (N.J.A.C. 7:8).

<table>
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<tr>
<th>Permit Cite</th>
<th>Measurable Goal</th>
<th>Implementation Schedule</th>
<th>New Requirement?</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV.B.4.a-j</td>
<td>Certify in each annual report that the permittee 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, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
<td>No</td>
</tr>
<tr>
<td>IV.B.4.h</td>
<td>Submit in each annual report the Major Development Project List (Attachment D). Records demonstrating compliance with Part IV.B.4 shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
<td>Yes</td>
</tr>
<tr>
<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
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<tr>
<td>Pollution Prevention/Good Housekeeping Regulatory Mechanisms</td>
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<tr>
<td>Pet Waste Control: Adopt and enforce an appropriate regulatory mechanism that requires pet owners or their keepers to immediately &amp; properly dispose of their pet’s solid waste deposited on any part of the permittee’s property.</td>
<td>IV.B.5.a.i</td>
<td>Certify in each annual report the date the regulatory mechanism was adopted and that it is being enforced. A log of enforcement actions and information distribution dates shall be kept and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Wildlife Feeding Control: Adopt and enforce an appropriate regulatory mechanism that prohibits wildlife feeding.</td>
<td>IV.B.5.a.ii</td>
<td>Certify in each annual report the date the regulatory mechanism was adopted and that it is being enforced. A log of enforcement actions shall be kept and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Litter Control: Enforce the existing State litter statute at N.J.S.A 13:1 E-99.3 or adopt and enforce a regulatory mechanism that is at least as stringent as the State litter statute.</td>
<td>IV.B.5.a.iii</td>
<td>Certify in each annual report the date the regulatory mechanism was adopted and that it is being enforced. A log of enforcement actions shall be kept and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Improper Disposal of Waste: Adopt and enforce an appropriate regulatory mechanism prohibiting improper disposal of waste.</td>
<td>IV.B.5.a.iv</td>
<td>Certify in each annual report the date the regulatory mechanism was adopted and that it is being enforced. A log of enforcement actions shall be kept and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Pollution Prevention/Good Housekeeping Control Measures</td>
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<tr>
<td>Litter Pick-Up Program: Develop and implement a program that includes roadside clean-up of trash/debris and regular collection of refuse from litter and recycling receptacles on permittee property. Maintain records of clean-ups and estimates of total trash/debris collected.</td>
<td>IV.B.5.b.i.</td>
<td>Certify in each annual report that a litter pick-up program is being maintained, the estimated number of days each year pick-ups were performed, and the estimated amount of materials collected. Records demonstrating compliance shall be kept and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
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<tr>
<td>Quarterly Street Sweeping: Develop and implement a program to sweep all segments of limited-access highways (including ramps and parking areas) with storm drain inlets or discharge directly to surface water.</td>
<td>IV.B.5.b.ii</td>
<td>Certify in each annual report that the quarterly 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. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Triannual Street Sweeping: Develop and implement a program to sweep all segments of streets and parking areas that are not limited-access highways but have storm drain inlets or discharge directly to surface water.</td>
<td>IV.B.5.b.iii</td>
<td>Certify in each annual report that the triannual 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. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Annual Street Sweeping: Develop and implement a program to sweep all streets, ramps, and parking areas that do not have storm drain inlets or discharge directly to surface water.</td>
<td>IV.B.5.b.iv</td>
<td>Certify in each annual report that the annual 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. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
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<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
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<tr>
<td>Storm Drain Inlet Inspection: Develop and continue to implement storm drain inlet inspections as specified in Part IV.B.5.b.v.</td>
<td>IV.B.5.b.v</td>
<td>Certify in each annual report that the storm drain inlet inspection schedule is being maintained, that a log is being maintained indicating the number of permittee-owned or operated inlets within the permittee’s property, and indicate the number of inlets inspected. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Storm Drain Inlet Cleaning: Develop, update, and implement a storm drain inlet cleaning program as specified in Part IV.B.5.b.vi.</td>
<td>IV.B.5.b.vi</td>
<td>Certify in each annual report that a storm drain inlet cleaning program is being implemented, and that a log indicating the number of permittee-owned or operated inlets cleaned is being maintained. Maintain records documenting the amount of materials collected in wet tons during cleaning activities for the calendar year and reference the location of those records in the SPPP. Include the totals in the Annual Report.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Catch Basin Inspection: Develop and continue to implement catch basin inspections as specified in Part IV.B.5.b.vii.</td>
<td>IV.B.5.b.vii</td>
<td>Certify in each annual report that the catch basin inspection schedule is being maintained, that a log is being maintained indicating the number of permittee-owned or operated catch basins within the permittee’s property, and indicate the number of catch basins inspected. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
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<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
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<tr>
<td>Catch Basin Cleaning: Develop, update, and implement a catch basin cleaning program as specified in Part IV.B.5.b.viii.</td>
<td>IV.B.5.b.viii</td>
<td>Certify in each annual report that a catch basin cleaning program is being implemented, and that a log indicating the number of permittee-owned or operated catch basins cleaned is being maintained. Maintain records documenting the amount of materials collected in wet tons during cleaning activities for the calendar year and reference the location of those records in the SPPP. Include the totals in the Annual Report.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Storm Drain Inlet Labeling: Label all drains that do not have permanent wording cast into the structure of the inlet, which are located at rest areas, service areas, maintenance facilities, and along streets with sidewalks.</td>
<td>IV.B.5.b.ix</td>
<td>Certify in each annual report that storm drains have been properly labeled. Records tracking storm drain inlet label status shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Storm Drain Inlet Label Maintenance: Maintain the legibility of storm drain inlet labels and replace labels that are missing or not legible.</td>
<td>IV.B.5.b.x</td>
<td>Certify in each annual report that storm drains have been properly maintained. Records tracking storm drain inlet label status shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Storm Drain Inlet Retrofit: Retrofit existing storm drain inlets as specified at Part IV.B.5.b.xi.</td>
<td>IV.B.5.b.xi</td>
<td>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. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td><strong>Summary of Minimum Standard</strong> (See Part IV for specific permit requirements)</td>
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<tr>
<td>Herbicide Application Management: Implement proper herbicide application management which prevents herbicides from being washed by stormwater into the waters of the State and prevents erosion caused by de-vegetation.</td>
<td>IV.B.5.b.xii</td>
<td>Certify in each annual report that proper herbicide application management is being conducted.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Excess De-icing Material Management: Remove piles of excess salt and de-icing materials that have been deposited during spreading operations within 72 hours after the end of each storm event.</td>
<td>IV.B.5.b.xiii</td>
<td>Certify in each annual report that proper excess de-icing material management is being conducted.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Roadside Vegetative Waste Management: Implement proper management of wood waste and yard trimmings generated by the Highway Agency.</td>
<td>IV.B.5.b.xiv</td>
<td>Certify in each annual report that proper pick-up, handling, storage and disposal of wood waste and yard trimmings generated by the Highway Agency has been conducted. Records demonstrating compliance shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Refuse Containers and Dumpsters: Implement the proper use of refuse containers and dumpsters.</td>
<td>IV.B.5.b.xv</td>
<td>Certify in each annual report that appropriate dumpsters and other refuse containers that are outdoors or exposed to stormwater, are covered at all times.</td>
<td>EDPA</td>
</tr>
</tbody>
</table>

**Pollution Prevention/Good Housekeeping – Part IV.B.5.c**

**Maintenance Yards and Other Ancillary Operations**

Maintenance Yards and Other Ancillary Operations: Implement the BMPs detailed in permit Attachment E for maintenance yards and other ancillary operations owned or operated by the Highway Agency.

<table>
<thead>
<tr>
<th><strong>Permit Cite</strong></th>
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<th><strong>Implementation Schedule</strong></th>
<th><strong>New Requirement?</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>IV.B.5.c</td>
<td>Certify in each annual report that the SPPP includes all applicable requirements of Attachment E and that the requirements have been met. Keep separate, yard-specific SPPP forms for each site where applicable. Maintain required yard-specific records and note their location in the SPPP.</td>
<td>EDPA</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
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</tr>
<tr>
<td>BMPs shall be implemented for the inventory of materials and machinery.</td>
<td>IV.B.5.c.i</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for the inventory of materials and machinery.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for inspections and good housekeeping.</td>
<td>IV.B.5.c.ii</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for inspections and good housekeeping.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for fueling operations.</td>
<td>IV.B.5.c.iii</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for fueling operations.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for discharge of stormwater from secondary containment.</td>
<td>IV.B.5.c.iv</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for discharge of stormwater from secondary containment.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for vehicle maintenance.</td>
<td>IV.B.5.c.v</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for vehicle maintenance.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for on-site equipment and vehicle washing and wash wastewater containment.</td>
<td>IV.B.5.c.vi</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for on-site equipment and vehicle washing and wash wastewater containment.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for salt and de-icing material storage and handling.</td>
<td>IV.B.5.c.vii</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for salt and de-icing material storage and handling.</td>
<td>EDPA</td>
</tr>
<tr>
<td>BMPs shall be implemented for aggregate material and construction debris storage.</td>
<td>IV.B.5.c.viii</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for aggregate material and construction debris storage.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td><strong>Summary of Minimum Standard</strong> (See Part IV for specific permit requirements)</td>
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</tr>
<tr>
<td>BMPs shall be implemented for street sweepings and catch basin clean-out material storage.</td>
<td>IV.B.5.c.ix</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for street sweepings and catch basin clean-out material storage.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>BMPs shall be implemented for yard trimmings and wood waste management sites.</td>
<td>IV.B.5.c.x</td>
<td>Certify in each annual report that BMPs in Attachment E have been implemented for yard trimmings and wood waste management sites.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td><strong>Pollution Prevention/Good Housekeeping – Part IV.B.5.d Employee Training</strong></td>
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<tr>
<td>Provide training to Highway Agency employees on stormwater topics applicable to their title within 3 months of commencement of duties. Follow-up training shall occur as specified in IV.B.5.d.</td>
<td>IV.B.5.d</td>
<td>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). The location of these records shall be referenced in the SPPP.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Ensure that individuals who review development and redevelopment projects for compliance with N.J.A.C. 7:8 on behalf of the Highway Agency complete Department approved training once every five years.</td>
<td>IV.B.5.e</td>
<td>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. The location of this list shall be referenced in the SPPP.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td><strong>MS4 Outfall Pipe Mapping, and Illicit Discharge and Scouring Detection and Control</strong></td>
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<tr>
<td>Develop, update and maintain an MS4 Outfall Pipe Map showing the location of the end of all MS4 outfall pipes which discharge to a surface water body.</td>
<td>IV.B.6.a</td>
<td>Certify in each annual report that the permittee has developed and maintained an MS4 Outfall Pipe Map which includes at a minimum, the requirements identified in Part IV.B.6.a.</td>
<td>EDPA</td>
</tr>
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<tr>
<td>Show the location and name of all surface water bodies receiving discharges from those outfall pipes.</td>
<td>IV.B.6.a.i</td>
<td>Certify in each annual report that the surface water bodies associated with the end of each outfall pipe is located on the map.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Include Outfall Pipe map or link to access an electronic version of the map in the SPPP</td>
<td>IV.B.6.a.ii</td>
<td>Certify in each annual report following the implementation deadline that an up-to-date Outfall Pipe Map is referenced or included in the SPPP.</td>
<td>EDPA +12 months</td>
</tr>
<tr>
<td>Update Outfall Pipe Map annually with any new or newly identified MS4 outfall pipes.</td>
<td>IV.B.6.a.iii</td>
<td>Certify in each annual report that the Outfall Pipe Map is current at the end of the calendar year and include at a minimum, the location of the end of any new or newly identified MS4 outfall pipes.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Submit the Outfall Pipe Map to the Department on or before the set implementation schedule.</td>
<td>IV.B.6.a.iv</td>
<td>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.</td>
<td>EDPA +12 months</td>
</tr>
<tr>
<td>Submit the Outfall Pipe Map information to the Department electronically by December 21, 2020</td>
<td>IV.B.6.a.v</td>
<td>Submit the Outfall Pipe Map information to the Department using Department’s designated electronic submission service by December 21, 2020.</td>
<td>12/21/2020 or EDPA + 12 months, whichever is later.</td>
</tr>
<tr>
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<tr>
<td>Develop, update and implement a program to detect, investigate and control localized stream scouring from stormwater outfall pipes as specified in Part IV.B.6.</td>
<td>IV.B.6.b</td>
<td>Certify in each annual report that outfall pipes owned or operated by the permittee have received the required visual inspection at least once every five years (with a minimum of 20% of the total number of outfalls or 100 per year, whichever is greater), 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. Records demonstrating compliance with Part IV.B.6.b.i-ix shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Develop, update, implement and enforce an ongoing Illicit Discharge Detection and Elimination Program as specified in Part IV.B.6.c.</td>
<td>IV.B.6.c</td>
<td>Certify in each annual report that the permittee 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 (with a minimum of 20% of the total number of outfalls or 100 per year, whichever is greater). Document all investigations and actions taken on the Department’s Illicit Connection Inspection Report Form. Records demonstrating compliance with Part IV.B.6.c.i-vii shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
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<tr>
<td>Adopt and enforce an appropriate regulatory mechanism that prohibits illicit connections to the small MS4 owned or operated by the permittee at the Highway Agency.</td>
<td>IV.B.6.d</td>
<td>Certify in each annual report the date the regulatory mechanism was adopted and that it is being enforced. A log of enforcement actions shall be kept and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
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<tr>
<td><strong>Stormwater Facilities Mapping</strong></td>
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<tr>
<td>Develop, update and maintain a map of all stormwater facilities owned or operated by the permittee at the Highway Agency.</td>
<td>IV.C.1.a</td>
<td>Certify in each annual report that the permittee has developed, updated, and maintained an inventory of stormwater facilities owned or operated by the permittee at the Highway Agency. Records required by Part IV.C.1.a.i-v shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA+36 months</td>
</tr>
<tr>
<td>Map must include property boundaries of all maintenance yards, ancillary operations, rest areas, and service areas as well as an annotated map of roadways and thoroughfares owned or operated by the permittee.</td>
<td>IV.C.1.b.i</td>
<td>Certify in each annual report that the permittee has developed, updated, and maintained a map of all maintenance yards, ancillary operations, rest areas, and service areas as well as an annotated map of roadways and thoroughfares owned or operated by the permittee.</td>
<td>EDPA+36 months</td>
</tr>
<tr>
<td>Map must include the type of stormwater facility.</td>
<td>IV.C.1.b.ii</td>
<td>Certify in each annual report that the permittee has included the type of stormwater facility.</td>
<td>EDPA +36 months</td>
</tr>
</tbody>
</table>
| **Summary of Minimum Standard**  
(See Part IV for specific permit requirements) | **Permit Cite** | **Measurable Goal**  
(See Part IV for specific permit requirements) | **Implementation Schedule** | **New Requirement?** |
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<tr>
<td>Map must be updated annually to include, at a minimum, the location of any new or newly identified stormwater facilities.</td>
<td>IV.C.1.b.iii</td>
<td>Certify in each annual report that the permittee has included the location of any new or newly identified stormwater facilities.</td>
<td>EDPA + 36 Months</td>
<td>New</td>
</tr>
<tr>
<td>Map must be populated and maintained in an electronic format provided by the Department.</td>
<td>IV.C.1.b.iv</td>
<td>Certify in each annual report that the permittee has populated and maintained a map in an electronic format provided by the Department.</td>
<td>EDPA+36 months</td>
<td>New</td>
</tr>
<tr>
<td>New data points subsequently added to the map shall be provided to the Department annually thereafter as an attachment to the MSRP Annual Report and Certification.</td>
<td>IV.C.1.b.vi</td>
<td>Certify in each subsequent annual report that new stormwater facilities have been added to inventory.</td>
<td>Annually after EDPA+36 months</td>
<td>New</td>
</tr>
</tbody>
</table>

**Stormwater Facilities Maintenance**

Develop, update and implement a program to ensure adequate long-term cleaning, operation and maintenance of all stormwater facilities owned or operated by the permittee.

| **Permit Cite** | **Measurable Goal**  
(See Part IV for specific permit requirements) | **Implementation Schedule** | **New Requirement?** |
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<tbody>
<tr>
<td>IV.C.2.a</td>
<td>Certify in each annual report that the permittee has developed, updated and implemented a program to ensure adequate long-term cleaning, operation and maintenance of all stormwater facilities owned or operated by the permittee. Records required by Part IV.C.2.a-c, shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
<td>Modified</td>
</tr>
<tr>
<td>Stormwater facility maintenance must be performed pursuant to any maintenance plans, or more frequently as needed, to ensure proper function and maintenance of the stormwater facility.</td>
<td>IV.C.2.b</td>
<td>Certify in each annual report that inspections and maintenance were performed pursuant to any maintenance plans, or more frequently as needed, to ensure proper function and operation of stormwater facilities.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
<td>Permit Cite</td>
<td>Measurable Goal (See Part IV for specific permit requirements)</td>
<td>Implementation Schedule</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Maintain a log sufficient to demonstrate compliance with this permit requirement.</td>
<td>IV.C.2.c</td>
<td>Certify in each annual report that, at a minimum, a maintenance log is kept that records the name &amp; type of the stormwater facility inspected, the 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), the name of inspector, date of inspection, findings, and any preventative and corrective maintenance performed.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Certify annually if the stormwater facilities owned or operated by the permittee are functioning properly.</td>
<td>IV.C.2.e</td>
<td>Certify in each annual report if all stormwater facilities owned or operated by the permittee are functioning properly.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Preventative and corrective maintenance shall be taken to repair stormwater facilities that are not functioning properly. Prioritization schedule shall be documented and developed based on measures specified in Part IV.C.2.f.</td>
<td>IV.C.2.f</td>
<td>Certify in each annual report that a prioritized schedule of necessary preventive and corrective maintenance exists based on Part IV.C.2.f. i-iv for stormwater facilities that are not functioning properly.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Copies of all maintenance plans shall be kept for stormwater facilities approved by the permittee and shall be available to the Department upon request.</td>
<td>IV.C.2.g &amp; h</td>
<td>Certify in each annual report that copies of all maintenance plans (as defined in Notes and Definitions Part IV.B.1.g), for stormwater facilities are kept on file, and their location shall be referenced in the SPPP.</td>
<td>EDPA</td>
</tr>
<tr>
<td>Summary of Minimum Standard (See Part IV for specific permit requirements)</td>
<td>Permit Cite</td>
<td>Measurable Goal (See Part IV for specific permit requirements)</td>
<td>Implementation Schedule</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Total Maximum Daily Load (TMDL) Info</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annually review approved or adopted TMDL reports to identify if the TMDL addresses any segment of surface water wholly or partially within or bordering all: maintenance yards; rest areas; service area properties; and new &quot;major development&quot; projects as defined by the permittee’s stormwater program.</td>
<td>IV.C.3.a</td>
<td>Certify in each annual report that approved or adopted TMDLs have been identified and reviewed. Records required by Part IV.C.3.a.i, a.ii, and b shall be kept, and their location shall be referenced in the SPPP.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Use TMDL information identified in compliance with Part IV.C.3.a to identify and develop strategies to address specific stormwater sources of those pollutants addressed in the TMDL.</td>
<td>IV.C.3.a.i</td>
<td>Certify in each annual report that the permittee has used information identified in compliance with Part IV.C.3.a to assist in identifying and developing strategies to address specific stormwater sources of those pollutants addressed in the TMDL.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Use TMDL information identified in compliance with Part IV.C.3.a to Assist in the selection and design of stormwater BMPs for &quot;major development&quot; projects, and the prioritization of stormwater facility maintenance, including schedules for repairs related to Stormwater Facilities’ Maintenance, and the Stream Scouring and Illicit Discharge Detection &amp; Elimination programs.</td>
<td>IV.C.3.a.ii</td>
<td>Certify in each annual report that the permittee has used information identified in compliance with Part IV.C.3.a to assist in the prioritization of activities as required at Part IV.B.6. (Stream Scouring &amp; Illicit Discharge Detection &amp; Elimination) and IV.C.3.f (Stormwater Facilities Maintenance)</td>
<td>EDPA+12 months</td>
</tr>
<tr>
<td>Update SPPP to list information identified in Part IV.C.3.a.</td>
<td>IV.C.3.a.b</td>
<td>Certify in each annual report that the permittee has updated its SPPP to list information identified in Part IV.C.3.a.</td>
<td>EDPA + 12 months</td>
</tr>
<tr>
<td>Incorporate any strategies identified in Part VI.C.3.a.ii(2) as an Optional Measure</td>
<td>IV.C.3.a.c</td>
<td>Certify in each annual report that the permittee has incorporated any strategies identified in Part VI.C.3.a.ii(2) as an Optional Measure.</td>
<td>EDPA + 12 months</td>
</tr>
</tbody>
</table>
Attachment B – Points System for Public Education and Outreach Activities

Permittees who own and operate rest areas and/or service areas shall describe how they will educate users and employees of the Highway Agency to satisfy this minimum standard. The Public Education and Outreach Program is intended to focus on educational and pollution prevention activities that educate 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 permittee shall select activities from the list below, totaling a minimum of 5 (five) points each year:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Website and Social Media</td>
<td>Maintain a stormwater related page on the permittee’s website or on permittee’s social media site. The web page may include links to other stormwater related resources, including the NJDEP stormwater website (<a href="http://www.njstormwater.org">www.njstormwater.org</a>) as well as the Stormwater Pollution Prevention Plan.</td>
<td>1</td>
</tr>
<tr>
<td>Newspaper Ad</td>
<td>Use Department created and approved stormwater education materials available on <a href="http://www.cleanwaternj.org">www.cleanwaternj.org</a> to publish an ad in a newspaper or newsletter that serves the permittee.</td>
<td>1</td>
</tr>
<tr>
<td>Radio/Television</td>
<td>Broadcast a radio or television public service announcement from <a href="http://www.cleanwaternj.org">www.cleanwaternj.org</a> on a local radio or public service channel.</td>
<td>1</td>
</tr>
<tr>
<td>Green Infrastructure and Stormwater Facility Signage</td>
<td>Post signs at green infrastructure sites, stormwater management basins or other structural stormwater-related facilities at the rest/service area that describe the function and importance of the infrastructure, contact phone number, permittee 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.</td>
<td>5*</td>
</tr>
<tr>
<td>Billboard/Sign</td>
<td>Produce and maintain (for credit in subsequent years) a billboard or sign which can be displayed at the rest/service areas.</td>
<td>2</td>
</tr>
<tr>
<td>Mural</td>
<td>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 rest/service areas.</td>
<td>2</td>
</tr>
<tr>
<td>Stormwater Display</td>
<td>Present a stormwater related display or materials at rest/service areas.</td>
<td>1</td>
</tr>
<tr>
<td>Pet Waste Bags</td>
<td>Provide pet waste bags at rest/service areas.</td>
<td>2</td>
</tr>
</tbody>
</table>

Permittees may request approval from the NJDEP Bureau of Nonpoint Pollution Control to earn points for alternate activities.
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 permittee in an adopted regulatory mechanism:

- Storm drain inlets installed as part of new development and redevelopment that disturb one acre or more;
- Storm drain inlets installed as part of new development and redevelopment that disturb less than one acre that are part of a larger common plan of development or sale (e.g. phased development project) that ultimately disturbs one acre or more;
- Permittee 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.

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 Project List

Provide the following information for each approved development or redevelopment project that is regulated by the Highway Agency MS4 NJPDES Permit, and not exempted under N.J.A.C. 7:8-1.6(b).

<table>
<thead>
<tr>
<th>Highway Agency: __________________</th>
<th>NJPDES#: NJG: ________________</th>
<th>PI ID#: ________________</th>
<th>Calendar Year: __________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Name</td>
<td>Municipality / County</td>
<td>5G3 Construction Stormwater Permit Auth.#</td>
<td>DLUR Stormwater Review? (Y/N)</td>
</tr>
</tbody>
</table>
Attachment E – Best Management Practices for Maintenance Yards and Other Ancillary Operations

The permittee shall implement the following practices at maintenance yards and other ancillary operations owned or operated by the permittee. Inventory of Materials and Machinery, and Inspections and Good Housekeeping shall be conducted at all 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 separate forms listing the physical address, materials, machinery, and activities of each maintenance yard and ancillary operation where they 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 maintenance yard operations and ancillary operations. Materials or machinery that are not exposed to stormwater at the 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 permittee’s MS4. Maintain an inspection log detailing conditions requiring attention and remedial actions taken for all activities occurring at 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, and its location referenced in the SPPP and made available to the Department upon request. See the Highway Agency Guidance document at [https://www.nj.gov/dep/dwq/highway_guidance.htm](https://www.nj.gov/dep/dwq/highway_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 contained by berms 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 contained by berms 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 the following:
      - “Topping off 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 except as described below. The permittee 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 been 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 permittee shall rely on previous tank inspections to determine with some degree of certainty that the tank has not leaked. If the permittee cannot determine 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. Floor drain discharge locations shall be identified in the SPPP.

3. 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. 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 surface or ground waters of the State.

2. Permittee’s 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 containment system protected by cathode, 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 shall 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. 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/rrtp/asphaltguidance.pdf) or properly disposed of as solid waste pursuant to N.J.A.C. 7:26-1 et seq.

4. Cold patch shall be stored in a permanent structure or on an impervious surface and covered with a waterproof material (i.e., tarpaulin or 10-mil plastic sheeting) that is contained (e.g., contained by berms) to control leachate and stormwater run-on or run through.

5. 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 include materials such as liquids, wastes which are removed from 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/rrtp/sweeping.htm).

3. Road cleanup materials placed into temporary storage must be, at a minimum:
   a. Stored in leak-proof containers or on an impervious surface and covered with a waterproof material (i.e., tarpaulin or 10-mil plastic sheeting) that is contained (e.g., contained by berms) to control leachate and stormwater run-on or run through; and
   b. Removed for disposal (in accordance with 2, above) within six (6) months of placement into storage.
1. These practices are applicable to any yard trimmings or wood waste management site:
   a. Owned and operated by the permittee;
      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;
   b. Minimizes or eliminates the exposure of yard trimmings, wood waste and related materials to stormwater;
   c. Eliminates the discharge of stormwater that contacts source material from yard trimmings or wood waste management sites to storm sewer inlets or surface waters of the State.

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 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., contained by berms) 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.
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.
3. Bursting potential of tank.
4. Transfer equipment
5. Venting
6. Overflow, spill control and maintenance.
7. 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

Name and Address of Facility __________________________
Facility Permit Number ______________________________

Tank ID Number ________________
Tank Volume ___________ gallons
95% Volume ___________ gallons

Tank Location ________________
Tank Height ___________ inches
95% Volume ___________ inches

<table>
<thead>
<tr>
<th>Date and Time</th>
<th>Inspector</th>
<th>Height of Product Before Introducing Liquid (inches)</th>
<th>Is Tank Less Than 95% Full? (Y/N)</th>
<th>Visual Inspection Pass? (Y/N)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

Notes: The volume of liquid in the tank shall be measured before each use.

Liquid **shall not be introduced** if the tank contains liquid at 95% of the capacity or greater.

A visual inspection of all exposed portions of the collection system shall be performed before each use. Use the comments column to document the inspection and any repairs.
# Underground Vehicle Wash Water Storage Tank Pump Out Log

Name and Address of Facility __________________________
Facility Permit Number __________________________

Tank ID Number _______________ Tank Location _______________
Tank Volume ___________ gallons

<table>
<thead>
<tr>
<th>Date and Time of Pump Out</th>
<th>Volume of Liquid Removed</th>
<th>Waste Hauler *</th>
<th>Destination of the Liquid Disposal *</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

* The Permittee must maintain copies of all hauling and disposal records and make them available for inspection
APPENDIX E
NJPDES STORMWATER POLLUTION PREVENTION PLAN FORMS
# SPPP Table of Contents

**SPPP Form 1 – SPPP Team Members** (Permit cite IV.A.1.d. and IV.A.2.a.i.) .......................... 3

**SPPP Form 2 – Revision History** (Permit cite IV.A.2.) ................................................................. 4

**SPPP Form 3 – Public Involvement and Participation Including Public Notice** (Permit cite IV.B.1.) .......... 5

**SPPP Form 4 – Public Education and Outreach** (Permit cite IV.B.2.) ........................................ 6

**SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Projects** (Permit cite IV.B.4.) ................................................................. 7

**SPPP Form 6 – Regulatory Mechanisms** (Permit cite IV.B.5.a.) .................................................. 8

**SPPP Form 7 – Litter Pick-Up Program** (Permit cite IV.B.5.b.i.) .................................................. 9

**SPPP Form 8 – Street Sweeping** (Permit cite IV.B.5.b.ii-iv.) .................................................... 10

**SPPP Form 9 – Herbicide Application and Roadside Vegetative Waste Management** (Permit cite IV.B.5.b.xii.) ........................................................................................................ 11

**SPPP Form 10 – Maintenance Yards and Other Ancillary Operations** (Permit cite IV.B.5.c.) .......... 12-15

**SPPP Form 11 – Storm Drain Inlets** (Permit cite IV.B.5.b.vi and IV.B.5.b.ix-xi) ............................. 16

**SPPP Form 12 – Catch Basins** (Permit cite IV.b.vii-viii) ............................................................... 17

**SPPP Form 13 – Employee Training** (Permit cite IV.B.5.d) ............................................................ 18

**SPPP Form 14 – Mapping Outfall Pipes and Stormwater Facilities** (Permit cite IV.B.6. and IV.C.1) ...... 19

**SPPP Form 15 – Outfall Pipe Inspections** (Permit cite IV.B.6.c.) ................................................. 20

**SPPP Form 16 – Stormwater Facilities Inspection and Maintenance** (Permit cite IV.C.2) .......... 21

**SPPP Form 17 – Total Maximum Daily Load (TMDL) Information** (Permit cite IV.C.3.) .......... 22

**SPPP Form 18 – Additional Measures and Optional Measures** (Permit cite IV.D. and IV.E.) .... 23

**SPPP Form 19 – Shared or Contracted Services** (Permit cite IV.A.3.) ........................................... 24
# SPPP Form 1 – SPPP Team Members

<table>
<thead>
<tr>
<th>Stormwater Program Coordinator (SPC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Name and Title</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

| Office Phone # and Email              | (856) 968-3340                        |
|                                      | sjreiners@drpa.org                     |

| Signature and Date                    |                                        |

<table>
<thead>
<tr>
<th>Individual Responsible for Major Development Project Stormwater Management Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see training requirements for stormwater management reviewers on Form 13.</td>
</tr>
</tbody>
</table>

| Print Name and Title/Affiliation       | Nicole C. Ochroch                        |
|                                      | Associate Engineer                       |

| Print Name and Title/Affiliation       |                                        |

| Print Name and Title/Affiliation       |                                        |

| Print Name and Title/Affiliation       |                                        |

| Print Name and Title/Affiliation       |                                        |

| Print Name and Title/Affiliation       |                                        |

## Other SPPP Team Members

| Print Name and Title/Affiliation       | Joe McAroy                             |
|                                      | Maintenance Supervisor, BFB, BRB        |

| Print Name and Title/Affiliation       | Ricardo DeOliveira                     |
|                                      | Maintenance Supervisor, CBB, WWB        |

| Print Name and Title/Affiliation       |                                        |

| Print Name and Title/Affiliation       |                                        |
# SPPP Form 2 – Revision History

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>SPC Initials</th>
<th>SPPP Form Changed</th>
<th>Reason for Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 2003</td>
<td></td>
<td></td>
<td>Initial SWPPP Release</td>
</tr>
<tr>
<td>Sept. 2021</td>
<td></td>
<td></td>
<td>Updates per General Permit requirements</td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Website where the Stormwater Pollution Prevention Plan (SPPP) is posted online:</td>
<td><a href="http://www.drpa.org">www.drpa.org</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Location and/or website where records of public notices, meeting dates, minutes, etc. are kept:</td>
<td><a href="http://www.drpa.org">www.drpa.org</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of its MS4 stormwater program:</td>
<td>DRPA pursuant to its by-laws, public notices of meetings of the DRPA Board of Commissioners are given by posting proper notice in the lobby at One Port Center and by issuing proper notice to the public and news media.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**SPPP Form 4 – Public Education and Outreach**

This is only required for Highway Agencies that own or operate rest areas and/or service areas.

<table>
<thead>
<tr>
<th><strong>5 Point System:</strong> Each year, Highway Agencies that own or operate rest areas and/or service areas must conduct activities related to educating the public on stormwater pollution prevention. Sample activities include posting stormwater information on their website or social media, running local ads, posting signs at green infrastructure sites, posting stormwater signs, billboards, or murals at rest/service areas, presenting a stormwater related display or materials at rest/service areas, and providing pet waste bags at rest/service areas.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permittees must earn at least 5 points as described in Attachment B of the permit. Describe how you are meeting the minimum 5-point requirement.</td>
</tr>
<tr>
<td>N/A- DRPA does not own or operate rest areas and/or service areas.</td>
</tr>
</tbody>
</table>

**Records:** Indicate where public education and outreach records are maintained.
# SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

<table>
<thead>
<tr>
<th><strong>Major Development:</strong></th>
<th>How does the permittee define ‘major development’?</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRPA does not define the term major development. Therefore, per the NPDES program any development that provides for ultimately disturbing one or more acres of land. 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 &quot;major development&quot; but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered &quot;major development.&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Approval Process:</strong></th>
<th>Describe the process for reviewing and approving major development project applications for compliance with the stormwater management rules at N.J.A.C. 7:8 et seq. Attach a flow chart if available. Provide the location of the mitigation plan (if one exists) to allow for alternative locations or designs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRPA engineering department reviews and approves all major development projects for compliance with stormwater management rules. No mitigation plan exists. DRPA will include the following practices in the program to reduce construction site runoff:</td>
<td></td>
</tr>
<tr>
<td>1. Require all contractors to comply with applicable state requirements for erosion and sediment control.</td>
<td></td>
</tr>
<tr>
<td>2. Coordinate the review and approval of E&amp;S Control Plans with the PADEP or NJDEP.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Records:</strong></th>
<th>Indicate the location of approved applications for major development projects.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRPA</td>
<td>One Port Center</td>
</tr>
<tr>
<td></td>
<td>2 Riverside Drive</td>
</tr>
<tr>
<td></td>
<td>P.O. Box 1949</td>
</tr>
<tr>
<td></td>
<td>Camden, NJ 08101-1949</td>
</tr>
</tbody>
</table>

DRPA / NJPDES # NJG0154270 / September 2021
## SPPP Form 6 – Regulatory Mechanisms

<table>
<thead>
<tr>
<th>Regulatory Mechanism</th>
<th>Date of Adoption</th>
<th>Website</th>
<th>Entity Responsible for Enforcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Pet Waste Control</td>
<td>N/A*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permit cite IV.B.5.a.i.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Wildlife Feeding Control</td>
<td>N/A*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permit cite IV.B.5.a.ii.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Litter Control</td>
<td>N/A*</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Permit cite IV.B.5.a.iii.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Improper Disposal of Waste</td>
<td>N/A*</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Permit cite IV.B.5.a.iv.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Illicit Connection Prohibition</td>
<td>N/A*</td>
<td></td>
<td>*</td>
</tr>
<tr>
<td>Permit cite IV.B.5.a.vii.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Records:** Indicate the location of records associated with the regulatory mechanisms above and related enforcement actions.

Records are kept at:
One Port Center
2 Riverside Drive
P.O. Box 1949
Camden, NJ 08101-1949

*DRPA has no regulatory mechanisms as it has no rest area locations. Therefore, there are no pet waste or wildlife feeding controls. Litter control, improper disposal of waste, and illicit discharge enforcement is the responsibility of the police dispatch.
**SPPP Form 7 – Litter Pick-Up Program**

<table>
<thead>
<tr>
<th><strong>Roadside Clean-up:</strong></th>
<th>Describe the program and schedule for roadside clean-up of trash and debris.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Roadside clean-up is performed at least once a week and sometimes daily by DRPA employees. A field report is filled out stating the equipment used, number of miles and number of bags collected.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Rest/Service Area Trash/Recycling Collection:</strong></th>
<th>For Highway Agencies that own or operate rest/service areas, describe the program and schedule for regular collection of trash from litter and recycling receptacles at those locations.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A- DRPA does not own or operate rest areas and/or service areas.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Records:</strong></th>
<th>Indicate the location of records, including the dates and amount of materials collected from roadside clean-ups.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Records are kept at each bridge facility at the highway foreman’s office. The records include dates and amount of materials collected.</td>
</tr>
</tbody>
</table>
# SPPP Form 8 – Street Sweeping

**Street Locations:** Attach a map or describe the location of all streets and paved parking lots that are owned or operated by the permittee.

- a. Indicate which segments of limited-access roads have storm drain inlets or discharge directly to surface water.
- b. Indicate which segments of non-limited-access roads have storm drain inlets or discharge directly to surface water.
- c. Indicate which segments of roads do not have storm drain inlets or do not discharge directly to surface water.

See Appendix A for maps of the facilities. All roads are limited access.

<table>
<thead>
<tr>
<th>Schedule:</th>
<th>Describe the sweeping schedule for all streets and paved parking lots that are owned or operated by the permittee.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweeping is performed at least once a month by DRPA employees using street sweeping machines. It is noted that due to the road speed being greater than 35 mph, there is very little accumulation of debris material.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Records:</th>
<th>Indicate the location of records, including sweeping dates, areas swept, number of miles swept, and total amount of materials collected each month.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Records are kept at each bridge facility at the highway foreman’s office. The records include dates, areas swept, number of miles swept and amount of materials collected.</td>
<td></td>
</tr>
</tbody>
</table>
## Herbicide Application Management

Describe the program for ensuring the proper application of herbicides. Include details about how the permittee ensures that herbicides are not washed into waters of the State and how they prevent erosion caused by de-vegetation.

Herbicide application is performed yearly by a subcontractor. The subcontractor must be licensed and must ensure that herbicides are not washed into waters of the state and not over applied to prevent erosion caused by de-vegetation.

## Roadside Vegetative Waste Management

Describe the program for ensuring that wood waste and yard trimmings generated by the permittee are not blown or deposited into stormwater facilities, e.g., storm drain inlets and basins.

Wood waste and yard trimmings include the following: tree parts, brush, wood chips, leaves, untreated/unpainted lumber, and grass clippings.

DRPA employees perform this task at least twice a year. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Yard Trimmings and Wood Waste materials.
SPPP Form 10 – Maintenance Yards and Other Ancillary Operations
Complete a separate Form 10 for each yard/location. This includes but is not limited to all maintenance yards, impound yards, fueling locations, and yard trimming/wood waste management sites.

<table>
<thead>
<tr>
<th>1. Address of maintenance yard or ancillary operation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodore Barry Maintenance Facility</td>
</tr>
<tr>
<td>Logan Township, Gloucester County</td>
</tr>
<tr>
<td>Lat. 39° 48’ 32” Long. 75° 21’ 10”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. List all materials that are exposed to stormwater which could be a source of pollutants in a stormwater discharge. Indicate what type of container the materials are in, if they are covered, what they are placed upon, and if the area is graded or contained by berms. This includes, but is not limited to, raw materials, intermediate products, final products, waste materials, by-products, fuels, lubricants, solvents, and detergents. For example, brine, fertilizer, used oil, refuse containers, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw materials are stone and sand. They are stored under the bridge and protected from the rain. Waste materials such as brush are stored in dumpsters that are covered. Fuel is stored in above ground storage tanks which are enclosed. Lubricants, solvents, detergents, used oil are all kept indoors and are not exposed to rain events.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. List all machinery that is exposed to stormwater which could be a source of pollutants in a stormwater discharge.</th>
</tr>
</thead>
<tbody>
<tr>
<td>All equipment is stored indoors. Vehicles such as pickup trucks and dump trucks may be outside. Any vehicle stored outside is checked for any leaking fluids.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Describe the procedures for cleaning spills and disposing of clean-up waste. Indicate the location of materials used for cleaning, e.g., kitty litter, sawdust, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spills are cleaned with pig mats or other absorbent materials and are disposed of in marked metal drums. The fuel islands contain spill prevention materials as well as all the maintenance facility buildings. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Inspections and Good Housekeeping.</td>
</tr>
</tbody>
</table>
5. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit.

<table>
<thead>
<tr>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Fueling Operations</td>
</tr>
<tr>
<td>DRPA employees inspect the fueling areas monthly for cleanliness. During bulk fuel deliveries, storm sewer inlets covered to ensure that no spills enter the inlets. A visual inspection of the fueling area is conducted during storm runoff events to ensure that no pollution is entering the storm sewer system. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Fueling Operations.</td>
</tr>
<tr>
<td>b. Discharge of Stormwater from Secondary Containment</td>
</tr>
<tr>
<td>DRPA employees inspect any secondary containment areas (i.e. fuel storage, deicing solution storage, brine solution storage) to ensure all valves are closed. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Discharge of stormwater from secondary containment.</td>
</tr>
<tr>
<td>c. Vehicle Maintenance</td>
</tr>
<tr>
<td>All vehicle maintenance is performed indoors. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Vehicle Maintenance.</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td><strong>d. On-Site Equipment and Vehicle Washing/Wastewater Containment</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>e. Salt and De-icing Material Storage and Handling</strong></td>
</tr>
<tr>
<td><strong>f. Aggregate Material and Construction Debris Storage</strong></td>
</tr>
<tr>
<td><strong>g. Street Sweepings, Catch Basin Clean Out, and Other Material Storage</strong></td>
</tr>
</tbody>
</table>
Material is stored in a covered dumpster and is hauled off site approximately every other week. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Street Sweepings, Catch Basin Clean Out and Other Material Storage.

h. Yard Trimmings and Wood Waste Management

Material is stored in a covered dumpster and is hauled off site approximately every month. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Yard Trimmings and Wood Waste Management.

**Records:** Indicate the location of inspection logs and tracking forms associated with this maintenance yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or planned. Documentation should include the date and time of inspection, the name of the person conducting the inspection, and relevant findings.

Inspection logs and tracking forms records are kept at each bridge facility at the highway foreman’s office. Documentation of conditions requiring attention and remedial actions that have been taken or planned are noted. The records include the date and time of inspection, the name of the person conducting the inspection, and relevant findings.
**SPPP Form 10 – Maintenance Yards and Other Ancillary Operations**

Complete a separate Form 10 for each yard/location. This includes but is not limited to all maintenance yards, impound yards, fueling locations, and yard trimming/wood waste management sites.

1. **Address of maintenance yard or ancillary operation.**
   
   Benjamin Franklin Maintenance Facility  
   511 north 5th street; P.O. Box 1949  
   Camden, NJ 08101  
   Lat. 39° 56’ 53” Long. 75° 07’ 18”

2. **List all materials that are exposed to stormwater which could be a source of pollutants in a stormwater discharge.** Indicate what type of container the materials are in, if they are covered, what they are placed upon, and if the area is graded or contained by berms. This includes, but is not limited to, raw materials, intermediate products, final products, waste materials, by-products, fuels, lubricants, solvents, and detergents. For example, brine, fertilizer, used oil, refuse containers, etc.

   Raw materials are stone and sand. They are stored under the bridge and protected from the rain. Waste materials such as brush are stored in dumpsters that are covered. Fuel is stored in above ground storage tanks which are enclosed. Lubricants, solvents, detergents, used oil are all kept indoors and are not exposed to rain events.

3. **List all machinery that is exposed to stormwater which could be a source of pollutants in a stormwater discharge.**

   All equipment is stored indoors. Vehicles such as pickup trucks and dump trucks may be outside. Any vehicle stored outside is checked for any leaking fluids.

4. **Describe the procedures for cleaning spills and disposing of clean-up waste.** Indicate the location of materials used for cleaning, e.g., kitty litter, sawdust, etc.

   Spills are cleaned with pig mats or other absorbent materials and are disposed of in marked metal drums. The fuel islands contain spill prevention materials as well as all the maintenance facility buildings. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Inspections and Good Housekeeping.
5. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit.

<table>
<thead>
<tr>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. <strong>Fueling Operations</strong></td>
</tr>
<tr>
<td>DRPA employees inspect the fueling areas monthly for cleanliness. During bulk fuel deliveries, storm sewer inlets covered to ensure that no spills enter the inlets. A visual inspection of the fueling area is conducted during storm runoff events to ensure that no pollution is entering the storm sewer system. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Fueling Operations.</td>
</tr>
</tbody>
</table>

| b. **Discharge of Stormwater from Secondary Containment** |
| DRPA employees inspect any secondary containment areas (i.e fuel storage, deicing solution storage, brine solution storage) to ensure all valves are closed. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Discharge of stormwater from secondary containment. |

<p>| c. <strong>Vehicle Maintenance</strong>                     |
| All vehicle maintenance is performed indoors. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Vehicle Maintenance. |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>d. On-Site Equipment and Vehicle Washing/Wastewater Containment</strong></td>
<td>See permit for certification and log forms for Underground Storage Tanks.</td>
</tr>
<tr>
<td></td>
<td>There is no on site washing of vehicles. All vehicles are washed off site at commercial facilities.</td>
</tr>
<tr>
<td><strong>e. Salt and De-icing Material Storage and Handling</strong></td>
<td>The BFB salt/deicing storage is kept under the bridges in bins. Sidewalls of the bins minimize the wind effects of precipitation from reaching the salt. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Salt and De-icing Material Storage and Handling.</td>
</tr>
<tr>
<td><strong>f. Aggregate Material and Construction Debris Storage</strong></td>
<td>Material is stored in a covered dumpster and is hauled off site approximately every other week. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Aggregate Material and Construction Debris Storage.</td>
</tr>
</tbody>
</table>
### g. Street Sweepings, Catch Basin Clean Out, and Other Material Storage

Material is stored in a covered dumpster and is hauled off site approximately every other week. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Street Sweepings, Catch Basin Clean Out and Other Material Storage.

### h. Yard Trimmings and Wood Waste Management

Material is stored in a covered dumpster and is hauled off site approximately every month. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Yard Trimmings and Wood Waste Management.

**Records:** Indicate the location of inspection logs and tracking forms associated with this maintenance yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or planned. Documentation should include the date and time of inspection, the name of the person conducting the inspection, and relevant findings.

Inspection logs and tracking forms records are kept at each bridge facility at the highway foreman’s office. Documentation of conditions requiring attention and remedial actions that have been taken or planned are noted. The records include the date and time of inspection, the name of the person conducting the inspection, and relevant findings.
**SPPP Form 10 – Maintenance Yards and Other Ancillary Operations**

Complete a separate Form 10 for each yard/location. This includes but is not limited to all maintenance yards, impound yards, fueling locations, and yard trimming/wood waste management sites.

1. Address of maintenance yard or ancillary operation.

<table>
<thead>
<tr>
<th>Betsy Ross Maintenance Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pennsauken Township, Camden County</td>
</tr>
<tr>
<td>Lat. 39° 58’ 37” Long. 75° 02’ 57”</td>
</tr>
</tbody>
</table>

2. List all materials that are exposed to stormwater which could be a source of pollutants in a stormwater discharge. Indicate what type of container the materials are in, if they are covered, what they are placed upon, and if the area is graded or contained by berms. This includes, but is not limited to, raw materials, intermediate products, final products, waste materials, by-products, fuels, lubricants, solvents, and detergents. For example, brine, fertilizer, used oil, refuse containers, etc.

Raw materials are stone and sand. They are stored under the bridge and protected from the rain. Waste materials such as brush are stored in dumpsters that are covered. Fuel is stored in above ground storage tanks which are enclosed. Lubricants, solvents, detergents, used oil are all kept indoors and are not exposed to rain events.

3. List all machinery that is exposed to stormwater which could be a source of pollutants in a stormwater discharge.

All equipment is stored indoors. Vehicles such as pickup trucks and dump trucks may be outside. Any vehicle stored outside is checked for any leaking fluids.

4. Describe the procedures for cleaning spills and disposing of clean-up waste. Indicate the location of materials used for cleaning, e.g., kitty litter, sawdust, etc.

Spills are cleaned with pig mats or other absorbent materials and are disposed of in marked metal drums. The fuel islands contain spill prevention materials as well as all the maintenance facility buildings. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Inspections and Good Housekeeping.
5. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit.

   a. Fueling Operations

   DRPA employees inspect the fueling areas monthly for cleanliness. During bulk fuel deliveries, storm sewer inlets covered to ensure that no spills enter the inlets. A visual inspection of the fueling area is conducted during storm runoff events to ensure that no pollution is entering the storm sewer system. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Fueling Operations.

   b. Discharge of Stormwater from Secondary Containment

   DRPA employees inspect any secondary containment areas (i.e. fuel storage, deicing solution storage, brine solution storage) to ensure all valves are closed. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Discharge of stormwater from secondary containment.

   c. Vehicle Maintenance

   All vehicle maintenance is performed indoors. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Vehicle Maintenance.
<table>
<thead>
<tr>
<th></th>
<th>d. On-Site Equipment and Vehicle Washing/Wastewater Containment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>See permit for certification and log forms for Underground Storage Tanks.</td>
</tr>
<tr>
<td></td>
<td>There is no on site washing of vehicles. All vehicles are washed off site at commercial facilities.</td>
</tr>
<tr>
<td></td>
<td><strong>e. Salt and De-icing Material Storage and Handling</strong></td>
</tr>
<tr>
<td></td>
<td>The BRB salt/deicing storage is kept under the bridges in bins. Sidewalls of the bins minimize the wind effects of precipitation from reaching the salt. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Salt and De-icing Material Storage and Handling.</td>
</tr>
<tr>
<td></td>
<td><strong>f. Aggregate Material and Construction Debris Storage</strong></td>
</tr>
<tr>
<td></td>
<td>Material is stored in a covered dumpster and is hauled off site approximately every other week. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Aggregate Material and Construction Debris Storage.</td>
</tr>
<tr>
<td></td>
<td><strong>g. Street Sweepings, Catch Basin Clean Out, and Other Material Storage</strong></td>
</tr>
<tr>
<td></td>
<td>Material is stored in a covered dumpster and is hauled off site approximately every other week. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Street Sweepings, Catch Basin Clean Out and Other Material Storage.</td>
</tr>
</tbody>
</table>
### h. Yard Trimmings and Wood Waste Management

Material is stored in a covered dumpster and is hauled off site approximately every month. DRPA follows the program contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for Yard Trimmings and Wood Waste Management.

#### Records:

Indicate the location of inspection logs and tracking forms associated with this maintenance yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or planned. Documentation should include the date and time of inspection, the name of the person conducting the inspection, and relevant findings.

Inspection logs and tracking forms records are kept at each bridge facility at the highway foreman’s office. Documentation of conditions requiring attention and remedial actions that have been taken or planned are noted. The records include the date and time of inspection, the name of the person conducting the inspection, and relevant findings.
**SPPP Form 11 – Storm Drain Inlets**  
Storm drain inlets are the point of entry into the storm drain system.

<table>
<thead>
<tr>
<th><strong>Inspections:</strong></th>
<th>Describe the program and frequency of inspections, cleaning, and maintenance of storm drain inlets that are owned or operated by the permittee.</th>
</tr>
</thead>
</table>

DRPA employees perform inspections, cleaning, and maintenance tasks monthly. DRPA follows the practices contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for catch basin cleanout.

<table>
<thead>
<tr>
<th><strong>Design and Retrofitting:</strong></th>
<th>Describe how the permittee ensures that the current design standards for storm drain inlets (specified in permit Attachment C) are incorporated in development projects. Also describe how the permittee ensures that retrofitting of storm drain inlets is completed when required.</th>
</tr>
</thead>
</table>

Any drain inlet that needs repaired will follow the standards contained within Appendix C of the Stormwater Discharge General Permit Authorization.

<table>
<thead>
<tr>
<th><strong>Labeling:</strong></th>
<th>Describe the inspection and label maintenance plan on storm drain inlets that do not have permanent wording cast into the design.</th>
</tr>
</thead>
</table>

Storm drain inlets are labeled upslope of the outfall pipe locations with a metal tag. The tags are inspected and replaced as necessary when inspected monthly by DRPA employees.

<table>
<thead>
<tr>
<th><strong>Records:</strong></th>
<th>Indicate the location of records that include storm drain inlet locations, inspection dates, observations, and maintenance/repairs performed, if applicable.</th>
</tr>
</thead>
</table>

Records are kept at each bridge facility at the highway foreman’s office. The records include storm drain inlet locations, inspection dates, observations, and maintenance/repairs performed.
**SPPP Form 12 – Catch Basins**

Catch basins are the 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.

<table>
<thead>
<tr>
<th><strong>Inspections:</strong> Describe the program for inspections of catch basins that are owned or operated by the permittee.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRPA employees perform inspections, cleaning, and maintenance tasks monthly. DRPA follows the practices contained in Attachment E of the Stormwater Discharge General Permit Authorization for Best Management Practices for catch basin cleanout.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Cleaning and Maintenance:</strong> Describe when a catch basin must be cleaned. The program must include procedures for cleaning, and shall be implemented as frequently as necessary to ensure, at a minimum, that sediment, trash, or other debris is removed as necessary to control it from entering the waters of the State, to eliminate recurring problems and maintain proper function.</th>
</tr>
</thead>
<tbody>
<tr>
<td>When a catch basin is inspected and is not functioning and operating to ensure capture of sediment, trash and debris, then the catch basin will be cleaned. A vacuum truck or other means is employed to clean the catch basin to ensure there is no pollution into the waterway.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Records:</strong> Indicate the location of records that include catch basin locations, inspection dates, observations, amount of materials collected in wet tons and maintenance/repairs performed, if applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Records are kept at each bridge facility at the highway foreman’s office. The records include catch basin locations, inspection dates, observations, amount of materials collected in wet tons and maintenance/repairs performed.</td>
</tr>
</tbody>
</table>
**SPPP Form 13 – Employee Training**

**Employee Training:** Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Frequency</th>
<th>Office/Entity Responsible for Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maintenance Yard/Ancillary Operations</td>
<td>Every year</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>2. Stormwater Facility Maintenance</td>
<td>Every year</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>3. SPPP Training &amp; Recordkeeping</td>
<td>Every year</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>4. Street Sweeping</td>
<td>Every 2 years</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>5. Illicit Connections &amp; Outfall Mapping</td>
<td>Every 2 years</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>6. Outfall Stream Scouring</td>
<td>Every 2 years</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>7. Waste Disposal Education</td>
<td>Every 2 years</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>8. Regulatory Mechanisms</td>
<td>Every 2 years</td>
<td>Stormwater Program Coordinator</td>
</tr>
<tr>
<td>9. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment</td>
<td>Every 2 years</td>
<td>Stormwater Program Coordinator</td>
</tr>
</tbody>
</table>

**Records:** Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic for employee training.

Records are kept at each bridge facility at the highway foreman’s office. The records include training sign in sheets, dates, and agendas or description for each topic.

**Stormwater Management Reviewer Training:** Indicate the names of all individuals who review the stormwater management design for development and redevelopment projects on behalf of the permittee. Indicate the dates on which these individuals attended the required NJDEP training course.

Nicole C. Ochroch  
Associate Engineer  
Required NJDEP training course every 5 years
SPPP Form 14 – Mapping Outfall Pipes and Stormwater Facilities

Visit [https://www.nj.gov/dep/dwq/msrp_map_aid.htm](https://www.nj.gov/dep/dwq/msrp_map_aid.htm) for the NJ DEP free mapping application. Outfall pipe maps and stormwater facilities maps may be combined. Updates to these maps shall be submitted annually to include new or newly identified outfall pipes and stormwater facilities.

**Mapping Outfall Pipes:** Attach an image or provide a link to a map of the outfall pipes owned or operated by the permittee, showing the location of the end of all MS4 outfall pipes (in tidal and non-tidal receiving waters) owned or operated by the permittee which discharge to a surface water body. Include the location and name of all surface water bodies receiving discharges from those outfall pipes.

Refer to the appendix for a map of the outfall pipes.

**Mapping Stormwater Facilities:** Attach an image or provide a link to a map of the stormwater facilities owned or operated by the permittee. Include the property boundaries of the Highway Agency maintenance yards, ancillary operations, rest areas, and service areas as well as an annotated map of roadways and thoroughfares owned or operated by the permittee. The map shall include the location and type of each stormwater facility, e.g., outfalls, inlets (constructed after Jan 1, 2020), basins, subsurface infiltration/detention systems, MTDs, green infrastructure, etc.

Refer to the appendix for a map of the stormwater facilities.
### SPPP Form 15 – Outfall Pipe Inspections

<table>
<thead>
<tr>
<th><strong>Inspection Schedule:</strong></th>
<th>Describe the frequency and the program in place for inspecting outfall pipes owned or operated by the permittee.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRPA employees perform inspections, cleaning, and maintenance tasks monthly. DRPA follows the practices contained in the Highway Agency Stormwater Guidance document published by the NJDEP Water Quality Division.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Stream Scouring:</strong></th>
<th>Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>If scouring is observed, records of stream scouring must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Illicit Discharges:</strong></th>
<th>Describe the program in place for conducting visual dry weather inspections of outfall pipes that are owned or operated by the permittee.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illicit Connection inspections are performed monthly by DRPA hazmat employees. If illicit discharge is observed, record results of illicit discharge investigations and actions taken using NJDEP’s form at <a href="https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Form.pdf">https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Form.pdf</a>. Illicit Connection Inspection Report Forms shall be submitted to the Department as an attachment to the Annual Report and Certification.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Records:</strong></th>
<th>Indicate the location of all records related to outfall pipe inspection, including the location, inspection date, inspector name, findings, preventative and corrective maintenance performed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Records are kept at each bridge facility at the highway foreman’s office. The records include the location, inspection date, inspector name, findings, preventative and corrective maintenance performed.</td>
<td></td>
</tr>
</tbody>
</table>
**SPPP Form 16 – Stormwater Facilities Inspection and Maintenance**

<table>
<thead>
<tr>
<th><strong>Inspections</strong></th>
<th>Describe the program in place to inspect, clean, and maintain the stormwater facilities that are owned or operated by the permittee.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DRPA employees perform inspections, cleaning, and maintenance tasks monthly. DRPA follows the practices contained in the Highway Agency Stormwater Guidance document published by the NJDEP Water Quality Division.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Records</strong></th>
<th>Indicate the location of records related to stormwater facilities that are owned or operated by the permittee. Records must include the type of stormwater facility, location, inspection date, inspector name, findings, preventative and corrective maintenance performed.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Also indicate the location of maintenance plans related to maintenance of stormwater facilities that are owned or operated by the permittee. NJDEP provides materials to assist with this requirement at <a href="https://www.nj.gov/dep/stormwater/maintenance_guidance.htm">https://www.nj.gov/dep/stormwater/maintenance_guidance.htm</a>.</td>
</tr>
<tr>
<td></td>
<td>Records and maintenance plans related to maintenance of stormwater facilities are kept at each bridge facility at the highway foreman’s office. The records include the type of stormwater facility, location, inspection date, inspector name, findings, preventative and corrective maintenance performed.</td>
</tr>
</tbody>
</table>
SPPP Form 17 – Total Maximum Daily Load (TMDL) Information

**Identification:** List the names of the adopted TMDLs, parameters addressed, and the affected water bodies associated with any segment of surface water wholly or partially within or bordering all maintenance yards, rest areas, service area properties, and new major development projects as defined by the permittee’s stormwater program.

Refer to the list of TMDL reports provided at [http://www.nj.gov/dep/wms/bears/tmdls.html](http://www.nj.gov/dep/wms/bears/tmdls.html). Utilize the TMDL look-up tool at [https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm](https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm) to identify impaired water bodies at locations described above.

For all of DRPA’s facilities there are TMDL’s established for the Lower Delaware for PCBs in zone 2-5 of the Tidal Delaware River. DRPA’s facilities are in zone 4.

**Strategies:** Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants. For guidance on TMDLs, visit [https://www.nj.gov/dep/dwq/pdf/10-21-16-tmdl-tool-box.pdf](https://www.nj.gov/dep/dwq/pdf/10-21-16-tmdl-tool-box.pdf).

Prior to any new construction project, an environmental assessment shall be made to determine if PCBs are found on site. If PCBs are found they are to be properly disposed of in accordance with NJDEP regulations.
### Additional Measures

**Additional Measures:** Describe any Best Management Practice(s) and the related measurable goal or numeric effluent limitations that are expressly required by the Department to be included in the permittee’s stormwater program by a TMDL.

There are no required measurable goal or numeric effluent limitations that are expressly required by the Department to be included in the permittee’s stormwater program by a TMDL.

### Optional Measures

**Optional Measures:** Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the permit that prevents or reduces water pollution.

DRPA has not developed any Best Management Practices beyond the requirements of the NJPDES permit.
**SPPP Form 19 – Shared or Contracted Services**

**Arrangements:** List the permit conditions that are satisfied through a shared or contracted service where an entity other than the permittee is implementing BMP(s) or control measure(s) on behalf of the permittee. Include the name of the responsible entity and describe the arrangements in place.

Herbicide application is performed yearly by a subcontractor. The subcontractor must be licensed and must ensure that herbicides are not washed into waters of the state and not over applied to prevent erosion caused by de-vegetation. The name of the responsible entity changes yearly on a contractual basis with the DRPA.

**Records:** The permittee is responsible for maintaining the appropriate documentation related to permit conditions, including those satisfied through shared services, in the SPPP and on the Annual Report and Certification. Indicate the physical location of the written agreements and records.

Written agreements and records are kept at each bridge facility at the highway foreman’s office.
APPENDIX F
BRIDGE PLANS
COMMODORE BARRY
UTILITY PLAN NOTES:

1. Topographic information, maps from aerial photographs dated 11/28/90 and compiled by DN Technologies, Inc. at a scale of 1" = 1F.

2. Pennsylvania One-Call Service in format, received 11/20/90, New Jersey One-Call Service.

3. OSASI Utility Locations have been located from field measurements (2/25/90-3/8/90) and aerial photography (2/25/90). From key information, these plans are derived from records of three service utilities, and OSASI assumes all underground utility locations must be field verified prior to any excavation.

4. All line cross-sections illustrate utility plans and the information contained herein are intended to comply with the Pennsylvania Underground Utility Protection Act and the New Jersey Underground Utility Protection Act.

5. All underground utility structures shown in these plans are assumed to water main and sub-surface.

SITE KEY MAP

CHESTER, PENNSYLVANIA

SPECIAL NOTES:

5. Electrical lines on bridge structure are in conduit. These lines are separated and are strung from electrical company poles to the bridge substation. The electrical conduits extend from the bridge substation to the electrical equipment located on the bridge superstructure.

6. Storm drainage lines connecting utility structures shown in these plans are assumed to be located underground and discharge to local sewer facilities. Storm drainage pipe and tree line may not be shown. Storm locations shown for these manholes have been adjusted to water main setback.
UTILITY PLAN NOTES:

1. TOPOGRAPHIC INFORMATION TAKEN FROM AERIAL PHOTOGRAPHY DATED 11/14/02 AND COMPILED BY DR TECHNOLOGIES, INC. AT A SCALE OF 1" = 100'
2. PROJECT DRAWN IN CONFORMITY WITH PENNONI, INCORPORATED, NEW JERSEY (OS-CAL) TITLE, 25-04-2002.
3. VARIOUS UTILITIES SEEN DURING FIELD MEASUREMENTS DEPICTED ON THIS PLAN ARE FROM INFORMATION OBTAINED FROM FIELD MEASUREMENTS, AERIAL PHOTOGRAPHY AND CONVERSATIONS WITH LOCAL UTILITIES. THE INFORMATION SHOWN THROUGH THE EYE-LEVEL ON THE PLANS MAY NOT BE UP TO DATE. ALL UTILITIES SHOWN ON THIS PLAN ARE FOR GENERAL INFORMATION PURPOSES ONLY.
5. ACCESS TO MANY OF THE UTILITIES SHOWN ON THIS PLAN MAY REQUIRE SPECIAL PERMISSION. PENNONI, INCORPORATED, DISCLAIMS ALL RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN. THIS PLAN IS IN NO WAY A SUBSTITUTE FOR THE INFORMATION SHOWN ON THIS PLAN, LIMITED TO THE UTILITIES SHOWN ON THIS PLAN, AND MUST BE MODIFIED AS NEEDED. PENNONI, INCORPORATED, DISCLAIMS ALL RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN.
BEN FRANKLIN
BENJAMIN FRANKLIN BRIDGE
PHILADELPHIA, PA \ CAMDEN, NJ

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