Highway Agency Stormwater Pollution Prevention Plan

Palisades Interstate Parkway

NJPDES# NJG0149136

12/15/2024

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.v-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

Stormwater Program Coordinator (SPC)	
Print Name and Title	Steven Shallop, Superintendent
Office Phone # and Email	(201) 768-1360 ext. 6102 sshallop@njpalisades.org
Signature and Date	
Individual Responsible for Major Development Project Stormwater Management Review Please see training requirements for stormwater management reviewers on Form 13.	
Print Name and Title/Affiliation	Steven Shallop, Superintendent
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	Sandra Kimbro, Office Manager
Print Name and Title/Affiliation	Carson Mitchell, Maintenance Supervisor
Print Name and Title/Affiliation	
Print Name and Title/Affiliation	

SPPP Form 2 – Revision History

Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
12/15/2024			Updated information

SPPP Form 3 – Public Involvement and Participation Including Public Notice

Website where the Stormwater Pollution Prevention Plan (SPPP) is posted online:	njpalisades.org
Physical Location and/or website where records of public notices, meeting dates, minutes, etc. are kept:	PIPC Park Headquarters 1 Alpine Approach Rd. Alpine, NJ 07620

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:

For any meeting required to be open to the public, public notice is provided pursuant to the Open Public Meeting Act in New Jersey. The Palisades Interstate Park Commission conducts Board meetings 5 times a year which are publicly noticed and the opportunity for public comment is afforded.

SPPP Form 4 – Public Education and Outreach

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

5 Point System: 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.

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.

The PIPC has two scenic overlooks and two gas stations frequented by the public that are regulated under the Highway Permit. The Gas Stations are leased under a long-term agreement with Petroleum Marketing Group. The PIPC will provide signage and/or postings for the general public in each scenic overlook dealing with no feeding of wildlife, cleaning up pet waste, and no littering. Similar notices will be requested to be posted at the gas stations and will be incorporated as a requirement of vendor upon renewal or execution of a new agreement (whichever comes first) with the prospective vendor. We will also create a page on our website dedicated to Stormwater Management and install pet waste stations at our lookouts.

Records: Indicate where public education and outreach records are maintained.

Administration Office, Palisades Interstate Park

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

Major Development: How does the permittee define 'major development'?
PIPC will construct a major development when one or more acres of land is disturbed as a result of a natural disaster that impacts our utilities and ability to operate. Our major project development is directly influenced by local municipality's unrestricted zones and permits which create an impervious landscape, therefore affecting the PIPC's ability to assume a larger scale Storm Water Management Plan.
Approval Process: 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.
The Commission will oversee (sometimes with consultant support) the design of all projects associated with new development or redevelopment of the Palisades Interstate Parkway in New Jersey. Since the EDPA, the PIPC has not constructed any projects regulated by the Highway Permit. There are currently no projects scheduled that would be regulated by the Highway Permit, however we are currently working with engineers on a plan to reconstruct our stormwater outfall system. When the PIPC constructs such projects the PIPC, subject adequate state appropriations, shall ensure adequate long-term operation and maintenance of BMP's in accordance with appropriate regulations.
Records: Indicate the location of approved applications for major development projects.
Administration office, Palisades Interstate Park

SPPP Form 6 – Regulatory Mechanisms

Regulatory Mechanism	Date of Adoption	Website	Entity Responsible for Enforcement
1. Pet Waste Control Permit cite IV.B.5.a.i.	04/18/2006	njpalisades.org	PIPC Police
2. Wildlife Feeding Control Permit cite IV.B.5.a.ii.	04/18/2006	njpalisades.org	PIPC Police
3. Litter Control Permit cite IV.B.5.a.iii.	12/31/2008	njpalisades.org	PIPC Police
4. Improper Disposal of Waste Permit cite IV.B.5.a.iv.	12/31/1999	njpalisades.org	PIPC Police
5. Illicit Connection Prohibition Permit cite IV.B.5.a.vii.	12/31/1999	njpalisades.org	PIPC Police

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

All regulations of the PIPC are enforced by the Palisades Interstate Park Police in the form of summonses that go before the PIPC Court.

SPPP Form 7 – Litter Pick-Up Program

Roadside Clean-up: Describe the program and schedule for roadside clean-up of trash and debris.
PIPC will continue to use Maintenance staff to perform roadside clean-up on a daily basis as weather and manpower permits. Bags of trash are picked up by our garbage truck and taken to a waste service station located in Closter, NJ.
Rest/Service Area Trash/Recycling Collection: 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.
PIPC will continue to use Maintenance staff to perform cleanup of the scenic overlooks. The vendor for the gas stations is required to and continues to perform trash cleanup for those leased facilities. Trash receptacles at the scenic overlooks are emptied 3 times per week. Trash receptacles at the gas stations are emptied 3-4 times per week. All bags of trash are taken to Interstate Waste Services located at 60 Railroad Ave, Closter, NJ 07624. Bags of recycling are taken to the Department of Public Works located in Englewood Cliffs, NJ.
Records: Indicate the location of records, including the dates and amount of materials collected from roadside clean-ups.
PIPC Maintenance Center

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.

The Palisades Interstate Parkway is 10 miles of roadway with a narrow shoulder and no curbs. There are two lookouts and two gas stations along the Parkway that have paved parking lots.

A storm water map, which includes the drain inlets, is currently being designed by an engineer and will be submitted to DEP upon completion.

Schedule: Describe the sweeping schedule for all streets and paved parking lots that are owned or operated by the permittee.

The PIPC currently uses staff to perform hand pick up of litter and sweeping along the Parkway, lookouts, and gas stations. Clean up is performed on a daily basis as weather and manpower permits. Per a previous request (dated March 2005) made by the PIPC, hand pick up and sweeping is used in lieu of a mechanical street sweeper.

Records: Indicate the location of records, including sweeping dates, areas swept, number of miles swept, and total amount of materials collected each month.

PIPC Maintenance Center

SPPP Form 9 – Herbicide Application and Roadside Vegetative Waste Management

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.
PIPC currently uses a licensed contractor to apply herbicides along the Parkway. Herbicides are applied within the two-foot radius of guiderails and sign structures that cannot be mowed.
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.
All wood waste and yard trimmings are disposed of in a wooded area of the park, away from all stormwater facilities.

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.
PIPC does not have a maintenance yard as part of the regulated parkway facilities.
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.
None
3. List all machinery that is exposed to stormwater which could be a source of pollutants in a stormwater discharge.
None

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.

PIPC applies a product called "Speedy Dry" to absorb spills (less than 5 gallons). Once the spill is absorbed, clean-up waste is disposed of in a trash receptacle.

5. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit.

a. Fueling Operations

PIPC does not have fueling facility as part of the regulated parkway facilities.

b. Discharge of Stormwater from Secondary Containment

PIPC does not have tanks or storage in the regulated parkway facilities that would cause secondary containment.

c. Vehicle Maintenance

PIPC does not have vehicle maintenance facility as part of the regulated parkway facilities.

d. On-Site Equipment and Vehicle Washing/Wastewater Containment
See permit for certification and log forms for Underground Storage Tanks.

PIPC does not have equipment and vehicle washing as part of the regulated parkway facilities.

e. Salt and De-icing Material Storage and Handling

PIPC does not store salt within the regulated area of the Highway Permit. However, the PIPC does maintain a salt pile within an appropriate salt dome facility.

f. Aggregate Material and Construction Debris Storage
All aggregate material and construction debris are removed by contractors.
g. Street Sweepings, Catch Basin Clean Out, and Other Material Storage
PIPC staff separates all refuse from materials collected and disposes of it in the proper trash receptacles. Any rock or organic matter is disposed of in a wooded area of the park away from all stormwater facilities.
h. Yard Trimmings and Wood Waste Management
All yard trimmings and wood waste are disposed of in a wooded area of the park away from all stormwater facilities.
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.
PIPC Maintenance Center

SPPP Form 11 – Storm Drain Inlets

Storm drain inlets are the point of entry into the storm drain system.

Inspections: Describe the program and frequency of inspections, cleaning, and maintenance of storm drain inlets that are owned or operated by the permittee.
PIPC staff will maintain a storm drain inlet inspection and maintenance schedule in compliance with the minimum standard set forth in the Highway Permit.
Design and Retrofitting: 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.
Minimum standard will be used since bicycles are not permitted.
Labeling: Describe the inspection and label maintenance plan on storm drain inlets that do not have permanent wording cast into the design.
All storm drains will be inspected periodically by PIPC staff for appropriate labeling.
Records: Indicate the location of records that include storm drain inlet locations, inspection dates, observations, and maintenance/repairs performed, if applicable.
PIPC Maintenance Center

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.

Inspections: Describe the program for inspections of catch basins that are owned or operated by the permittee.
PIPC staff will maintain a catch basin cleaning schedule, for regulated facilities, in compliance with the minimum standard set forth in the Highway Permit.
Cleaning and Maintenance: 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.
If, at the time of inspection, no sediment, trash or debris is observed in the catch basin, the catch basin will not be cleaned. Any material removed shall be properly disposed of. At the time of cleaning catch basins shall be inspected for proper functioning.
Records: 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.
PIPC Maintenance Center

SPPP Form 13 – Employee Training

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

Topic	Frequency	Office/Entity Responsible for Training
1. Maintenance Yard/Ancillary Operations	Annual	Carson Mitchell
2. Stormwater Facility Maintenance	Annual	Carson Mitchell
3. SPPP Training & Recordkeeping	Annual	Steve Shallop
4. Street Sweeping	Annual	Carson Mitchell
5. Illicit Connections & Outfall Mapping	Annual	Steve Shallop
6. Outfall Stream Scouring	Annual	Carson Mitchell
7. Waste Disposal Education	Annual	Carson Mitchell
8. Regulatory Mechanisms	Annual	Carson Mitchell
9. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Annual	Steve Shallop

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

Administration Office, PIPC

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.

Steve Shallop, PIPC Superintendent in consultation with a licensed and certified engineer.

SPPP Form 14 – Mapping Outfall Pipes and Stormwater Facilities

Visit 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.
Mapping of the outfall pipes and stormwater facilities is currently under design by an engineer and will be submitted to DEP upon completion.
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.

SPPP Form 15 – Outfall Pipe Inspections

Inspection Schedule: Describe the frequency and the program in place for inspecting outfall pipes owned or operated by the permittee.

PIPC staff will provide inspection during mapping phase of road stormwater outfall pipes. Since the stormwater pipes from the parkway are contained within our property and physically separated from adjacent properties by intervening roads, it is not possible for illicit connections to be made. If in the future any illicit connections are found, DEP will be notified and the PIPC will take appropriate legal action.

PIPC will continue to use previously established protocols for reporting of spills via the Palisades Interstate Park Police.

Stream Scouring: Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes.

PIPC staff will continue to monitor and repair as needed any localized stream and stream bank scouring in the vicinity of highway system outfall pipes operated by the PIPC. All repairs shall be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey.

Illicit Discharges: Describe the program in place for conducting visual dry weather inspections of outfall pipes that are owned or operated by the permittee.

PIPC staff will continue to conduct dry weather inspections on an ongoing basis. If dry weather flow is detected, testing and an investigation will be conducted. The NJDEP will be notified immediately.

Records: Indicate the location of all records related to outfall pipe inspection, including the location, inspection date, inspector name, findings, preventative and corrective maintenance performed.

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.

If illicit discharge is observed, record results of illicit discharge investigations and actions taken using NJDEP's form at https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Formpdf.pdf. Illicit Connection Inspection Report Forms shall be submitted to the Department as an attachment to the Annual Report and Certification.

PIPC Maintenance Center

SPPP Form 16 – Stormwater Facilities Inspection and Maintenance

Inspections: Describe the program in place to inspect, clean, and maintain the stormwater facilities that are owned or operated by the permittee.
All parkway storm water facilities are inspected on an ongoing basis. Regulated parkway storm water facilities include catch basins, storm sewer pipes, inlet and outfall structures. Repairs are made as needed to ensure that storm water is directed to a stable outfall and roadside erosion and flooding are minimized.
Records: 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. 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 https://www.nj.gov/dep/stormwater/maintenance_guidance.htm.
PIPC Maintenance Center

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. Utilize the TMDL look-up tool at https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm to identify impaired water bodies at locations described above.

TMDL information will be included in mapping which is currently under design by an engineer.

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.

SPPP Form 18 – Additional Measures and Optional 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.
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.

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.
PIPC has a shared agreement with Bergen County Department of Public Works for snow and ice removal. Bergen County DPW will remove snow/ice on an as needed basis and will provide the PIPC with consumable products (brine, salt, etc.) which is stored off site.
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.
Administration Office, Palisades Interstate Park