

Keyport Environmental Commission
January 27, 2025 Meeting
Keyport Borough Hall

Call to Order

Meeting called to order at 8:00 pm by **Chair Joe Sheridan.**

Sunshine Law was Read

Salute to the Flag

Roll Call

	NAME	STATUS	TERM EXPIRES	PRESENT	ABSENT
1	JOE SHERIDAN (JS)	COMMISSIONER, CHAIR/SECRETARY	12/31/2026	X	
2	MIKE PALMISANO (MP)	COMMISSIONER, VICE CHAIR	12/31/2027	X	
3	KATHLEEN BULL DE LOS REYES (KBDLR)	COMMISSIONER	12/31/2025	X	
4	DON PACHECO (DP)	COMMISSIONER	12/31/2025		X
5	LYNNE KOSOBUCKI (LK)	COMMISSIONER, 2-YEAR ALTERNATE #1	12/31/2025	X	
6	MIKE LANE (ML)	COMMISSIONER	12/31/2025	X	
7	DOUG WEIDER (DW)	COMMISSIONER	12/31/2026		X
8	SHAMAR WHITE (SW)	COMMISSIONER	12/31/2027	X	
9	LENNIE WALKER (LW)	COMMISSIONER ALTERNATE #2	12/31/2026	X	
10	HEATHER BRADY (HB)	KEYPORT BOUROUGH COUNCIL LIAISON	12/31/2025	X	
11	DR. JUN CHENG	KEAN UNIVERSITY ASSOC. PROFESSOR	-	X	

Reorganization:

- **Roy Jimenez (RJ)** was thanked for his helpful insights on all the environmental issues while serving on the Keyport Environmental Commission. He will be missed!
- **Mike Palmisano (MP)** was re-appointed as a Commissioner for a three-year term 1/01/2025 – 12/31/2027.
- **Lennie Walker (LW)** was appointed as an Alternate #2 Commissioner for a two-year term 1/01/2025 – 12/31/2026.
- **Shamar White (SW)** was appointed as a Commissioner for a three-year term 1/01/2025 – 12/31/2027.
- **Mike Palmisano (MP)** was nominated for **Keyport Environmental Commission Vice Chair** by Mike Lane (ML); Joe Sheridan (JS) 2nd; No comments/additional nominations; Unanimously Approved.
- **Lennie Walker (LW)** was nominated for **Keyport Environmental Commission Acting Secretary** by Lynne Kosobucki (LK); Mike Palmisano (MP) 2nd; No comments/additional nominations; Unanimously Approved.

Council Liaison Re-Appointed:

- **Councilmember Heather Brady (HB)** was re-appointed as the Keyport Environmental Commission Liaison and was welcomed!

Corrections to November 25, 2024 KEC Minutes:

- None

Review/Approval of Meeting Minutes:

Minutes of the November 25th, 2024, meeting; Motion to Accept by Mike Lane (ML); Mike Palmisano (MP) 2nd; HB, SW, LW Abstained; Minutes Approved.

Keyport Borough Council (KBC) Item Updates:

The Agenda offered the following KBC items for KEC discussion with Councilmember Brady/Administrator Humphrey Updates:

1. Keyport's TAP (Transportation Alternatives Program)

(HB) - Keyport was a 2016 TAP Grant recipient of \$569,000. This program is still in construction review with the state.

Dr. Cheng's Report

Dr. Jun Cheng discusses his wave direction and beach erosion project along Keyport bay.



On January 12, 2025, Dr. Cheng, while performing his regular beach survey, provided the following photos of our bay frozen and is looking forward to seeing the way our coast responds to this freezing event.



Photographs compliments of J. Cheng – January 12, 2025

2025 KEC Participation in Clean Ocean Action (COA)

Beach Sweeps on April 12, 2025 and October 18, 2025.

(MP) – Motioned to support COA Beach Sweeps with LK and MP as Co-Beach Captains. LK 2nd. Unanimously Approved.

Keyport Environmental Commission Suggested 2025

Efforts:

(KBDLR) – Spoke about emphasizing the Cedar Street Park Living Shoreline Project.

(ML) – To put out a Monthly Keyport Environmental Commission Newsletter, Keyport Contamination issues, Stormwater runoff issues including areas prone to flooding.

(LK) – To work on Cedar Street Park Living Shoreline Liaison with school and to assist in developing an educational insert for the Keyport Water/Sewer Bill.

(MP) – Discussed MS4 (Municipal Separate Storm Sewer System) Presentation by the Bayshore Regional Watershed Council Meeting held on January 23rd, 2025 at Bell Works and how it can relate to Keyport. See Attachment #1. **ACTION** on JS to e-mail MS4 Report to Commissioners. **ACTION** on HB to follow up on MS4 interaction with Borough.

(MP) – Believes we should look at past Planning Board Applications to look at historical trends of impervious surface variances that have been granted.

(HB) – We should continue to focus on contamination issues and the Cedar Street Park Living Shoreline Project.

(SW) – Offered several ideas:

- To work with Keyport Schools on the Water Bill Insert to help educate Residents on choosing indigenous plants over invasive plants.
- Need to bulkhead the Aeromarine property to mitigate the risk of the landfill seeping into the bay.
- Liked the idea of a Keyport Environmental Commission Newsletter.
- There should be a Deposit/Return System – partnering with a Vendor – Community Program to reward people for keeping Keyport clean.
- Important to work with the school as that is the future of environmentalism!

(MP) – Spoke about the importance of the Keyport Green Team and its sustainability efforts.

(ML) – Said there was no snow fence erected at Beach Park this Winter – allows the winds to blow sand unabated.

(LW) – Liked the KEC Newsletter idea. Will help LK to take photographs of the Cedar Street Park Dune area and then help to map the photos.

(HB) – **ACTION** to pursue TAP Grant status.

(ML) – Discussed the need for the KEC to fashion a letter to protect a wellhead from contamination with a Planning Board Application. Discussion was had on the topic by the group. **ACTION** on JS to write letter in corroboration with the KEC Commissioners.

(LK) – Continues to make progress on the native vs invasive plants water bill insert project with Ms. Manganelli and her Keyport class.

(ML) – Spoke about the petition for a four-way stop on 1st street. **ACTION** on HB to forward petition to Keyport Police Chief Ferm.

Mike Lane's Observations on Health and Safety Items:

Please see Attachment #2, ML's Health and Safety Input for KEC Meeting
1/27/2025.

Open to the Public

10:22pm: JS opened the meeting to the Public.

Close to the Public

10:22pm: JS closed the meeting to the Public.

ACTION ITEMS LIST

JS: E-mail MS4 Report to Commissioners

HB: Follow up with MS4 Report with Borough.

JS: Coordinate with Commissioners to fashion letter to Planning Board regarding potential wellhead contamination with an Application.

HB Follow-up with Police Chief Ferm on Four-Way Stops on First Street.

LK Continue working with Ms. Manganelli and her class on DRAFT Water Bill insert example(s) to bring to our next meeting on February 24th.

ATTACHED ITEMS LIST

1. Understanding the new MS4 Permit.
2. Mike Lane's Health and Safety Input for KEC Meeting 1/27/2025.

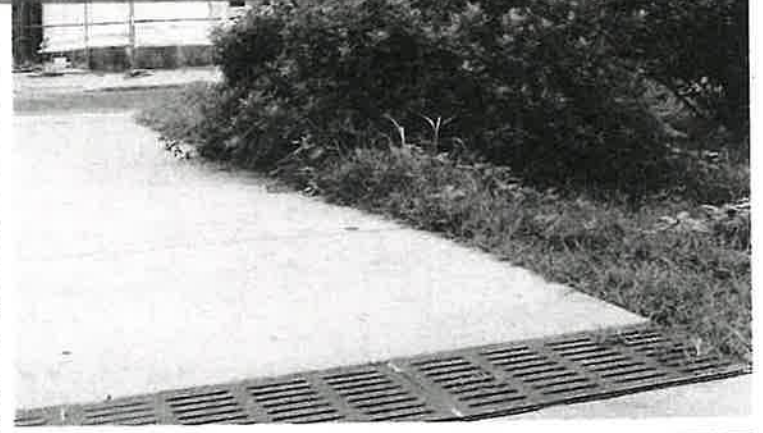
Meeting Adjourned 10:23pm: Motion to Adjourn KBDLR; LK 2nd; Unanimous.

The next meeting will be held on **Monday, February 24th, 2025, at 8:00pm, at Keyport Borough Hall Council Chamber.**

Minutes submitted by Joe Sheridan.

UNDERSTANDING THE NEW MS4 PERMIT

A PRIMER FOR NEW JERSEY MUNICIPALITIES



IN COLLABORATION WITH

ONE WATER
CONSULTING LLC





ACKNOWLEDGEMENTS

Prepared by James Cosgrove, P.E., Brian Friedlich, P.E., and Sydney Sabino, E.I.T. of One Water Consulting, LLC, in collaboration with Lindsey Sigmund, Program Manager and Patricia Dunkak, Policy and Program Coordinator of New Jersey Future's Mainstreaming Green Infrastructure (MGI) program.

New Jersey Future gratefully acknowledges the William Penn Foundation for its generous financial support, which made this project possible. The opinions expressed in this report are those of the author(s) and do not necessarily reflect the views of the William Penn Foundation.



MAINSTREAMING GREEN INFRASTRUCTURE

A program of New Jersey Future



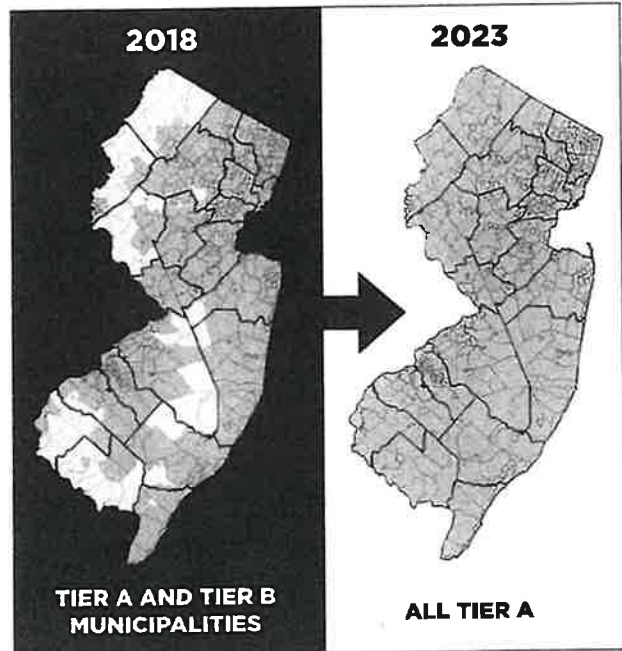
September 2023

III. WHAT HAS CHANGED SINCE THE 2018 TIER A MS4 PERMIT?

During New Jersey's periodic re-evaluation of the State's MS4 permitting designations, as part of the renewal of the 2018 Tier A permit, NJDEP reassigned all former Tier B municipalities to Tier A to ensure compliance with federal regulations. As a result, all municipalities that fall under the MS4 permitting program are now regulated by the Tier A permit.

In addition to the Tier reassignments, the most significant changes included in the new Tier A MS4 permit include:

- ➔ Mapping of all MS4 stormwater infrastructure (not just stormwater outfalls).
- ➔ Development of Watershed Improvement Plans (WIPs).
- ➔ New community-wide ordinances: privately-owned salt storage and tree-removal/replacement.
- ➔ Modified street sweeping requirements.
- ➔ Excessive de-icing material management.
- ➔ Roadside vegetation waste management and erosion control.
- ➔ New and modified material storage requirements (i.e., cold patch asphalt, inoperable vehicles, dumpsters/refuse containers).
- ➔ Modified cleaning and maintenance requirements for stormwater infrastructure.
- ➔ Updated training requirements.



All new and modified requirements in the MS4 permit and their associated deadlines are described in Attachment 1; Table 1 for the original Tier A municipalities and Table 2 for new Tier A (former Tier B) municipalities. Additionally, Table 2 includes a column to identify whether the permit requirement was included in the previous Tier B permit. Many of the permit requirements for the original Tier A municipalities have different deadlines than the new Tier A municipalities.



IV. ADMINISTRATIVE REQUIREMENTS

A. ELIGIBILITY

The MS4 permit applies to all municipalities that own or operate a separate storm sewer system. This permit also authorizes specific dischargers to be eligible based on the requirements described in the "Authorized Discharges" and "Discharges Not Authorized" sections.

Any owner, operator, and/or discharger authorized by this permit may submit an individual permit application, requesting to be excluded from the coverage of the general Tier A MS4 permit. Alternatively, if an eligible permittee is excluded from the general MS4 permit solely because of an existing individual permit, they may request that the individual permit be revoked or modified so that the discharge is authorized by the general MS4 permit.

AUTHORIZED DISCHARGES

(Part II.C.2)

AUTHORIZED STORMWATER DISCHARGES INCLUDE:

- ➔ Small MS4s (as defined at N.J.A.C. 7:14A-1.2) owned or operated by the permittee
- ➔ Municipal Maintenance Yards and other ancillary operations

AUTHORIZED NON-STORMWATER DISCHARGES INCLUDE:

- ➔ 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
- ➔ Uncontaminated ground water
- ➔ Air conditioning condensate
- ➔ Irrigation water
- ➔ Flows from springs, riparian habitats, wetlands, water reservoir discharges, and diverted stream flows
- ➔ Residential car washing water; and dechlorinated swimming pool discharges from single family residential homes
- ➔ Sidewalk, driveway, and street wash water
- ➔ Flows from firefighting activities including the washing of fire fighting vehicles
- ➔ Flows from clean water rinsing of beach maintenance equipment immediately following use and only if the equipment is used for its intended purpose
- ➔ Rinsing of equipment is limited to exterior, undercarriage, and exposed parts and does not apply to engines or other enclosed machinery
- ➔ Flows from clean water rinsing of equipment and vehicles used in the application of salt and de-icing materials
- ➔ Rinsing of equipment is limited to exterior, undercarriage, and exposed parts and does not apply to engines or other enclosed machinery

DISCHARGES NOT AUTHORIZED

(Part II.C.3)

NOT AUTHORIZED STORMWATER DISCHARGE INCLUDE:

- ➔ Discharges associated with industrial activity as defined in N.J.A.C. 7:14A-1.2. Types of facilities include but are not limited to:
 - ▶ Landfills
 - ▶ Transportation facilities (including certain local passenger transit and air transportation facilities)
 - ▶ Facilities handling domestic sewage or sewage sludge
 - ▶ Steam electric power generating facilities
 - ▶ Facilities processing and/or composting recyclable materials as defined in N.J.A.C. 7:26A (Recycling Rules) including wood waste recycling and leaf composting facilities
- ➔ Discharge associated with construction activity as described in N.J.A.C. 7:14A-24.10(a)
- ➔ Any stormwater discharge that is authorized under another NJPDES permit
- ➔ Stormwater discharges from projects or activities that conflict with an adopted Areawide Water Quality Management Plan
- ➔ Stormwater discharges that are determined to be a significant contributor to pollutants to or from the MS4, which must be addressed as an illicit connection, or as an improper disposal of waste

B. ADMINISTRATIVE PROCESS

Using the information provided in the municipality's most recently submitted Request for Authorization (RFA), existing permit authorizations will be automatically renewed upon reissuance of the general MS4 permit. If any information in the municipality's most recently submitted RFA is no longer true, accurate, and/or complete, an updated RFA shall be provided by the municipality to NJDEP within 90 days of the effective date of a renewed authorization under this general permit. Additionally, the municipality must notify NJDEP if there are any changes to its Municipal Stormwater Program Coordinator (SPC) information.

The RFA must include a completed Checklist and Request for MS4 Stormwater Permits (see *References for link*) and any other information as required by the Department.

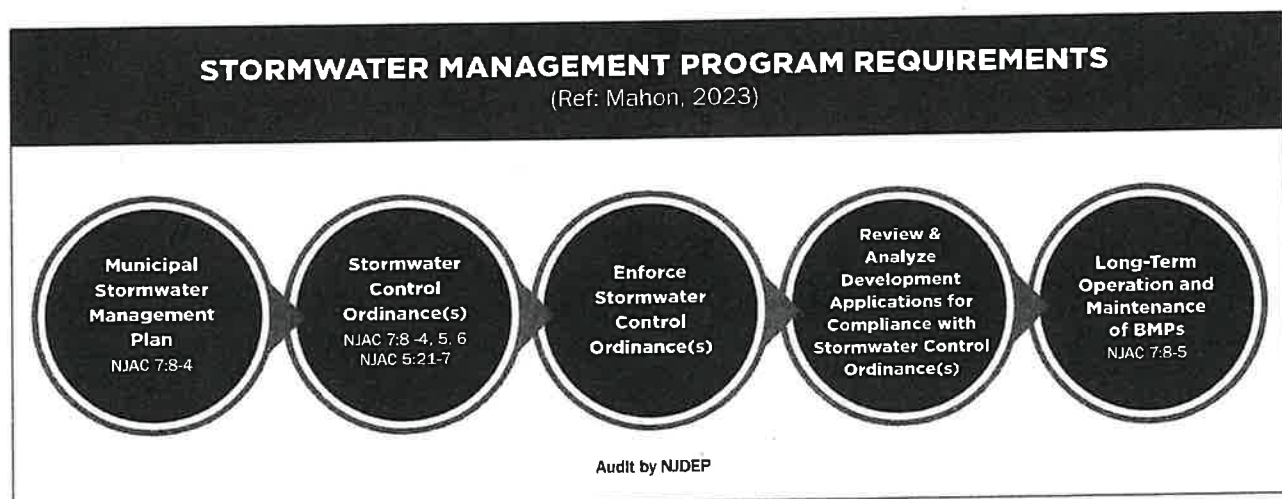
C. RECORDKEEPING AND REPORTING

The municipality is required to keep copies of all records in relation to the MS4 Permit for a period of at least five years, which must be made available to NJDEP upon request. Additionally, using NJDEP's electronic Municipal Stormwater Regulation Permit (MSRP) Annual Report service tool in the Regulatory Services Portal, an Annual Report and Certification that summarizes the status of compliance with permit conditions for the subject year is required to be submitted on or before May 1 of each year (see *References for links*). A Supplemental Questionnaire, including the Major Development Project List, must be uploaded as an attachment to the Annual Report (see *References for link*). The SPC is required to certify, sign, and date the Annual Report upon submission.

V. STORMWATER MANAGEMENT PROGRAM FOR NEW DEVELOPMENT AND REDEVELOPMENT

New development and redevelopment can impact the quantity and quality of stormwater runoff conveyed to downstream surface waters. The MS4 permit addresses these issues by requiring each municipality to be responsible for developing and/or adopting, amending, updating, implementing, and enforcing a Stormwater Management Program. This program consists of the Municipal Stormwater Management Plan (MSWMP), Municipal Stormwater Control Ordinance (SCO), and Mitigation Plan.

The municipal Stormwater Management Program requirements and sequencing are shown below. Construction site stormwater runoff activities are not authorized under the Tier A MS4 permit and must be authorized under a separate NJPDES permit (either a Construction Activity NJPDES Stormwater 5G3 General Permit or an individual permit).



A. MUNICIPAL STORMWATER MANAGEMENT PLAN (MSWMP)

Each municipality is responsible for adopting, amending, and implementing a written MSWMP that describes the framework of the permittee's strategy, structure, and process for its stormwater management program. The MSWMP must be re-examined as part of the update of its municipal master plan at least every 10 years, approved by the county review agency, electronically submitted to NJDEP, and posted on the municipal website.

B. MUNICIPAL STORM CONTROL ORDINANCE (SCO)

Each municipality is responsible for developing, adopting, amending, implementing, and enforcing a municipal SCO in accordance with N.J.A.C. 7:8. Model municipal SCOs are available through NJDEP and New Jersey Future's Green Infrastructure Municipal Toolkit. The SCO must:

1. Control aspects of residential development and redevelopment projects that are not pre-empted by the Residential Site Improvement Standards (RSIS);
2. Control stormwater from non-residential development and redevelopment projects, and;
3. Set forth special area standards approved by the Site Improvement Advisory Board for residential development or redevelopment projects.

It is critical that the stormwater management designs for development applications be carefully reviewed by the municipal engineer prior to a local planning or zoning board hearing to ensure compliance with the regulations. This review includes both the initial design and the plan for ongoing operation and maintenance of the stormwater systems. NJDEP audits the reviews annually to confirm compliance.

Local stormwater ordinances may impose stricter requirements, as provided in New Jersey Future's enhanced model stormwater control ordinance, than the new state stormwater rule for certain kinds of projects. For example, municipalities may choose to define "major development" with a smaller area of disturbance, and/or smaller area of regulated impervious cover, or regulated motor vehicle surface; apply stormwater requirements to both major and minor development; and/or require groundwater recharge, when feasible, in urban redevelopment areas. *Note: Residential Site Improvement Standards (RSIS) reference the current stormwater rule, which may restrict more stringent municipal requirements for certain projects.*

C. MITIGATION PLANS

A mitigation plan can be voluntarily developed by a municipality to identify areas where known stormwater improvement projects are needed. The plan must be approved within the MSWMP and SCO(s). When a Mitigation Plan has been adopted, certain variances from the design and performance standards for stormwater management measures can be granted for development projects and those impacts mitigated elsewhere in accordance with the plan. For example, if a new affordable housing project is proposed where the groundwater recharge requirement cannot be fulfilled onsite, the developer could build a recharge system elsewhere within the watershed to offset the reduction on the developed parcel.

VI. STORMWATER POLLUTION PREVENTION PLAN (SPPP)

The MS4 Permit requires municipalities to develop, implement, update, and maintain their own stormwater pollution prevention plan (SPPP). The purpose of the SPPP is to minimize stormwater-related pollution within their MS4 system and municipal operations. The preparation of a SPPP helps permittees in identifying potential sources of pollution and in establishing best management practices to minimize and/or eliminate the exposure of these pollutant sources. The SPPP must be posted on the municipality's website and serves as documentation on how and when the municipality has implemented the various MS4 permit conditions and requirements.

The original Tier A municipalities should have already completed an SPPP under the previous 2018 permit and therefore will only need to update their SPPPs based on the new Tier A permit requirements. However, SPPPs were not required for Tier B municipalities under the old permit. Therefore, former Tier B municipalities that have been reassigned to Tier A will need to develop their SPPPs from the ground up.

NJDEP provides standard SPPP forms that serve as a template for completion of the SPPP. The SPPP forms guide the municipality through each of the Tier A MS4 Permit requirements that need to be implemented. NJDEP has posted a model SPPP on their website (*see References for link*).

The SPPP documents the various community-wide ordinances and measures that have been implemented by the municipality. The list below presents the required ordinances and measures, with the new items highlighted in **bold**.

COMMUNITY-WIDE ORDINANCES

Pet Waste
Wildlife Feeding
Litter Control
Improper Disposal of Waste
Yard Waste
Private Storm Drain Inlet Retrofitting
Illicit Connections
Privately-Owned Salt Storage
Tree Removal/Replacement

COMMUNITY-WIDE MEASURES

Herbicide Application Management
Excess Deicing Material Management
Roadside Erosion Control

The SPPP keeps the permittee accountable for the inspection and maintenance of both municipally-owned and privately-owned stormwater infrastructure in the community. For municipal-owned infrastructure, the SPPP must identify the required inspections and maintenance of storm drain inlets, catch basins, conveyance systems, stormwater outfalls, and other stormwater infrastructure such as detention/infiltration basins, manufactured treatment devices, and green infrastructure. For stormwater facilities not owned by the municipality, the SPPP must detail the program that is in place for ensuring that annual inspections and maintenance are being conducted on private properties. The program must include how the municipality records the locations and logs operation and maintenance information associated with private stormwater infrastructure.

The stormwater management requirements at municipal facilities such as Department of Public Works (DPW) maintenance yards and other ancillary operations are detailed in the SPPP. The municipality must describe inspections, inventory of material/machinery, fueling operations, vehicle/equipment maintenance and repair, wash wastewater containment, and storage of the following materials commonly found in municipal yards: deicing materials, aggregate, wood chips, leaf compost, cold patch asphalt, street sweeping, storm sewer cleanout materials, construction and demolition waste, wood waste, yard trimmings, scrap tires, and inoperable vehicles/equipment.

Training of the municipal staff responsible for coordinating and implementing all components of the MS4 permit and municipal stormwater program is also detailed in the SPPP. The Stormwater Program Coordinator must attend NJDEP training every five-year permit cycle. The training for municipal employees can be a combination of in-person or virtual group sessions, e-Learning activities, field training, and videos. Individuals responsible for review and approval of stormwater management designs for major developments must attend a mandatory NJDEP Stormwater Management Design Review course at least once every five years, as well as NJDEP trainings on amendments, as applicable. Members of the municipal planning/zoning board and municipal council must watch an NJDEP training video titled "Asking the Right Questions in Stormwater Review" within six months of joining, and then additional NJDEP training videos provided on NJDEP's stormwater training website each term thereafter (*see References for link*).

VII. MS4 MAPPING, STREAM SCOURING AND ILLICIT DISCHARGE DETENTION AND ELIMINATION

Each municipality must develop, update, and maintain an MS4 Infrastructure Map that delineates the location of the stormwater features that are owned or operated by the permittee, including their associated attributes. While the prior permit required only the location of outfalls, the new permit adds many other types of stormwater infrastructure as illustrated in the graphic below. The MS4 Infrastructure Map must be submitted by January 1, 2026, and then updated at least annually to include any new or newly identified MS4 infrastructure. The permittee's SPPP must also include a website link to the MS4 Infrastructure Map posted on the permittee's stormwater webpage.

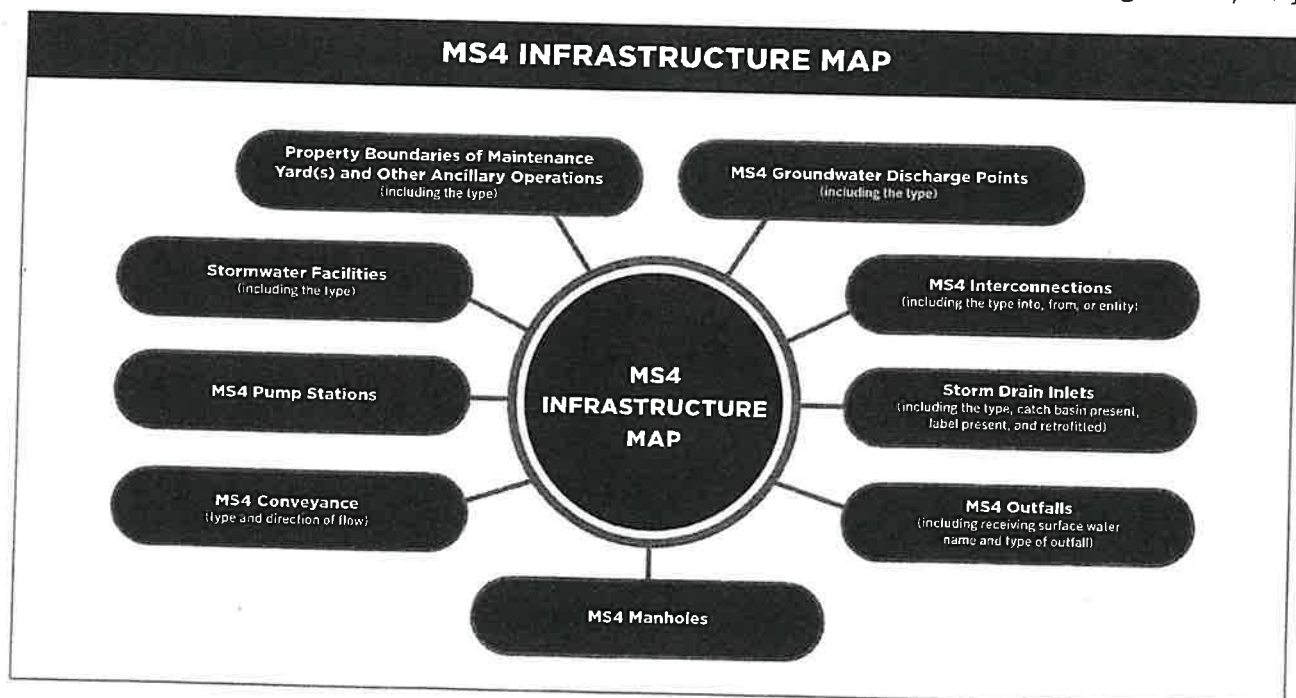
The MS4 Infrastructure Map is required to be submitted electronically to NJDEP as a georeferenced shapefile, geodatabase, or an AutoCAD file. Alternatively, the permittee can use the NJDEP Mapping Application (see *References for link*), where the data is automatically submitted to the Department.

The permittee is also required to develop, update, implement, and enforce a program to detect, investigate, and control any localized stream scouring from MS4 outfalls owned or operated by the permittee, as well as an ongoing Illicit

Discharge Detection and Elimination Program. The program for stream scouring and the Illicit Discharge Detection and Elimination Program shall be described in the written SPPP using the Stream Scouring Investigation Recordkeeping Form, and the Illicit Connection Inspection Report Form and the USEPA Guidance document, respectively (see *References for links*).

For stream scouring, inspections of MS4 outfalls shall be performed at least once every five years, with a minimum of 20% of the total number of outfalls per year on rotation. All new/newly identified outfalls shall be inspected within 30 days of identification. MS4 outfalls shall be investigated within 30 days of receipt of all complaints and reports of stream scouring and remediated within 12 months or a schedule for completion shall be submitted to the MS4 Case Manager before the 12-month deadline (see *References for link*).

For illicit discharges, inspections of MS4 outfalls once every five years, with a minimum of 20% of the total number of outfalls per year on rotation, during dry weather conditions should be completed to determine if there is unexpected flow or other evidence of an illicit discharge. All new/newly



identified outfalls shall be inspected within 30 days of identification. MS4 outfalls shall be investigated within 30 days of identification of dry weather flows discovered during routine inspection and maintenance of other elements or the MS4, as well as for receipt of all complaints and reports of illicit connections. Illicit connections shall be eliminated within one

year of discovery, or an extension must be requested from the NJDEP within 11 months from the discovery of connection. All investigations and actions taken shall be documented using the NJDEP Illicit Connection Inspection Report Form, which shall also be attached to the MSRP Annual Report (see *References for link*).

VIII. WATERSHED IMPROVEMENT PLANS

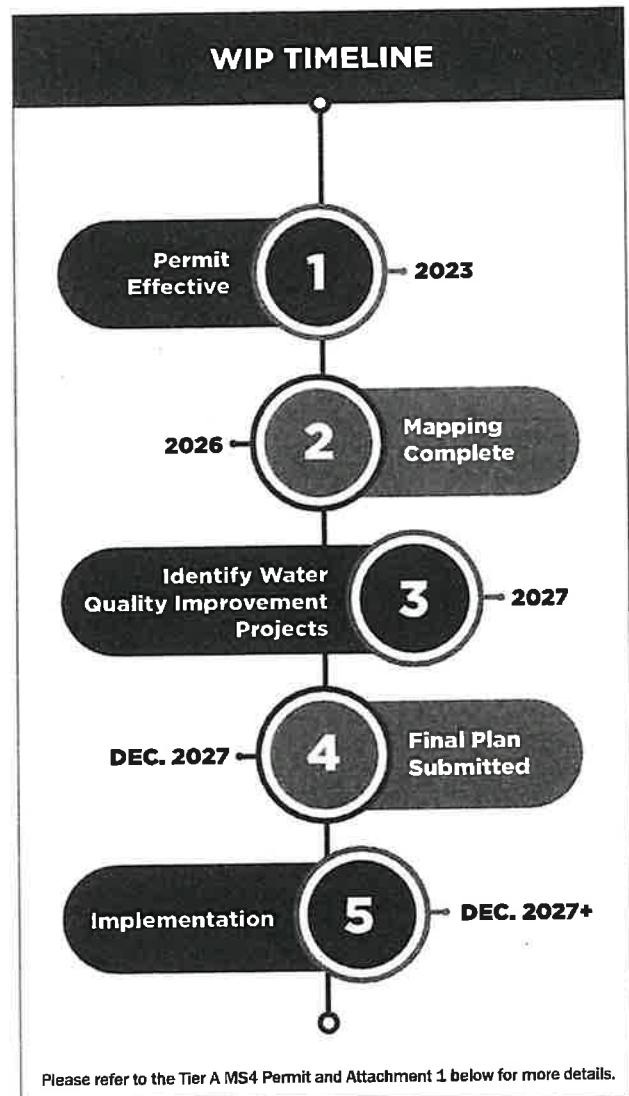
All Tier A MS4 municipalities are now required to develop a Watershed Improvement Plan, describing the actions the municipality will take to:

- Improve water quality in water bodies that have total maximum daily loads (TMDLs)
- Improve water quality in water bodies listed as impaired
- Reduce or eliminate flooding

A TMDL is a plan for restoring water bodies that have a water quality impairment by identifying the maximum amount of a pollutant allowed to enter a water body so that it will meet and continue to meet the water quality standard for that pollutant. TMDLs identify both point sources and nonpoint sources. Point sources (defined in TMDLs as wasteload allocations) include wastewater treatment plant discharges and stormwater outfalls from residential and other urban land uses. Non-point sources (defined in TMDLs as load allocations) include runoff from agricultural, forested, and barren land uses, as well as tributary baseflow. NJDEP has developed a TMDL Look-up Tool (see *References for link*) which allows municipalities to view the TMDLs and associated pollutants that are applicable to the watersheds in their community. New Jersey Future is working with NJDEP to develop an enhanced TMDL lookup tool that will identify specific pollutant loading reduction requirements at the sub-watershed level, rather than providing a 100+ page report that the municipality will have to review to understand required pollutant reductions.

In addition to TMDLs, water body impairments also need to be addressed through the Watershed Improvements Plan (WIP). The list of impaired waterways in New Jersey (303D List) are identified in the NJDEP's Integrated Assessment Report (and available in GIS on NJDEP's GeoWeb, see *References for link*). The impairments are listed based on the pollutant of concern and the designated use of the water body.

Finally, municipalities must address flooding impacts in their communities. Municipalities should prioritize flooding risk based on the level of threat to human health and safety, severity of the environmental impacts, and the frequency or likelihood of occurrence.



The Watershed Improvement Plan must be developed in the following three phases:

PHASE 1

WATERSHED INVENTORY REPORT

(PART IV.H.1.D)

- ➔ Prepare and submit to the NJDEP the Watershed Inventory Report, with a summary and electronic map including:
 - ▶ All stormwater outfalls owned/operated by the permittee and associated receiving waterbodies
 - ▶ Drainage area for each outfall(s) and interconnection into another entities' storm or sanitary sewer system
 - ▶ Water quality classification of all receiving waterbody segments
 - ▶ All stormwater interconnections from the municipality into another entity storm or sanitary sewer system
 - ▶ All stormwater connection points into the municipality from another entity
 - ▶ All storm drain inlets owned/operated by the permittee within or bordering the municipality
 - ▶ Area associated with each water quality impairment for waters that lie within or bordering the municipality
 - ▶ Overburdened communities
 - ▶ Impervious areas
 - ▶ Location and ownership of all stormwater outfalls and basins/infrastructure not owned/operated by the permittee

(Deadline 1/1/2026)

PHASE 2

WATERSHED ASSESSMENT REPORT

(PART IV.H.1.E AND F)

- ➔ Prepare and submit to the NJDEP the Watershed Assessment Report, including:
 - ▶ Assessment of potential water quality improvement project(s) by sub-watershed and parameter and estimate of the percent reduction in loading of the TMDL/impaired parameters due to these project(s)
 - ▶ Summary of feedback from public information sessions
 - ▶ Estimate of funding needs for each project
 - ▶ Identification of potential funding sources
 - ▶ Estimate of an implementation schedule
 - ▶ Watershed Assessment Report shall be posted on the permittee's municipal website, along with an announcement of a 60-day comment period for formal public input

(Deadline 1/1/2027)

PHASE 3

FINAL WATERSHED IMPROVEMENT PLAN REPORT

(PART IV.H.1.E AND F)

- ➔ Prepare and submit to the NJDEP the Final Watershed Improvement Plan Report, including:
 - ▶ Summary of proposed locations and load reductions of water quality improvement projects, both public and private, to be implemented
 - ▶ Summary of the public comments received, and the changes made to the Final Plan
 - ▶ Summary of how the projects will be coordinated with other regulatory requirements, such as:
 - Flood protection; endangered habitat/species; surface and ground drinking water protection; climate change/resiliency; green infrastructure/SWM requirements; wildlife corridors; green acres; environmental justice; Combined Sewer Overflow Long Term Control Plans; wetlands; riparian buffers; forest corridors; related ongoing projects; Pinelands Commission; Highlands Council; and Delaware River Basin Commission
 - ▶ Proposed implementation schedule for the water quality improvement projects
 - ▶ Schedule of the public information sessions to be held
 - ▶ Problems identified that are outside the jurisdiction of the permittee
 - ▶ Costs, broken down by project and year, and the funding opportunities that will be sought
 - ▶ Description of how stormwater related problems in overburdened communities have been prioritized

(Deadline 12/1/2027)

Semi-annual public information sessions are required to be conducted by the municipality beginning on or before January 1, 2026, throughout the development of the Watershed Improvement Plan. Once the Watershed Improvement Plan has been implemented in accordance with the schedule set forth in the Plan, the municipality must update the Plan every two years based on the review of the revisions to the impairments of the permittee's water bodies as per the NJDEP's Integrated Assessment Report and newly adopted TMDLs.

While the requirement for the Watershed Improvement Plan is within the municipal MS4 permit, watersheds do not follow political boundaries. As a result, it is recommended that municipalities located within common watersheds work together to plan and develop their Watershed Improvement Plans on a regional level.

Projects should be targeted based on the TMDL parameters and specific water quality impairments. Proposed actions could range from policy and ordinance modifications to nonpoint source interventions to green infrastructure stormwater practices. Green infrastructure refers to a set of stormwater management practices that use or mimic the natural water cycle to capture, filter, absorb, and/or re-use stormwater. These types of practices address a wide range of pollutants and also reduce stormwater runoff volume and rates from urban land uses. Some examples of green infrastructure are rain gardens, pervious pavement, impervious surface disconnection, and infiltration systems.



In many cases, traditional systems such as detention basins with concrete low-flow channels can be retrofitted to incorporate green infrastructure practices. New Jersey Future's Green Infrastructure Municipal Toolkit is a one-stop online resource useful to any municipality in New Jersey interested in planning, implementing, and maintaining green infrastructure in their communities.



IX. PUBLIC PARTICIPATION REQUIREMENTS

The MS4 permit requires the permittee to comply with applicable State and local public notice requirements, as described above in Part IV.B.1 and Part IV.C.1. The permittee also must develop and maintain a dedicated stormwater webpage on its municipal website, with elements of the MS4 stormwater program available to the public by providing links to the latest versions of the items listed above in Part IV.B.2.a. A Public Education and Outreach Program is also mandatory to ensure public involvement in

educational and pollution prevention activities regarding the impacts of stormwater discharges on surface and/or ground water as well as how to reduce pollutants in stormwater and mitigate flow. Additionally, the permittee is required to conduct activities from at least three of the five categories listed in Attachment A of the Tier A MS4 permit, where at least one activity is required to involve educating businesses and the public about hazards associated with illicit connections and improper disposal of waste.

X. FINANCING OPPORTUNITIES

NJDEP recognizes that the former Tier B permittees and the various new requirements in the 2023 MS4 Permit will require significant upgrades to New Jersey municipalities' stormwater programs. These upgrades are critical to address a number of stormwater issues such as increased flooding impacts from climate change, water quality impairments and TMDLs, and aging stormwater infrastructure. As a result, NJDEP released approximately \$19 million in grants as part of the 2023 Municipal Stormwater Assistance Grants Program for municipalities to work on compliance with the MS4 Tier A permit. This program is available to all Tier A municipalities, with \$25,000 grants available to original Tier A municipalities and \$75,000 grants available to previous Tier B municipalities. Funding is available on a rolling basis through December 31, 2023.

NJDEP has also released a number of grant/loan opportunities in recent years including the Stormwater Utilities Feasibility Study Grants and the Stormwater Competitive Grant Program. As municipalities develop their

Watershed Improvement Plans, funding opportunities and mechanisms will need to be pursued to pay for projects that address flooding, water quality impairments and watershed TMDLs. The following list of current funding sources include:

- ➔ Stormwater utilities can be established in New Jersey as defined in the Clean Stormwater and Flood Reduction Act. They are a dedicated funding mechanism to pay for a community's stormwater management program (similar to a water/sewer utility). More information regarding stormwater utilities can be found at the NJ Stormwater Utility Resource Center (*see References for link*)
- ➔ New Jersey Water Bank (NJWB) for low-interest loans with potential for principal forgiveness (*see References for link*)
- ➔ NJDEP grant and loan programs (*see References for link*)
- ➔ FEMA grant opportunities (*see References for link*)

XI. CLOSING

The new MS4 permit includes significant additional municipal requirements compared to the 2018 permit, including greatly enhanced GIS mapping requirements; the addition of the Watershed Management Plan that must address stream impairments, TMDLs stormwater load reductions, and flooding reductions; and the inclusion of 101 former Tier B municipalities that are now subject to

this permit. Deadlines are approaching, so it is critical that municipalities begin planning to address the requirements immediately. New Jersey Future looks forward to providing municipalities with tools that will assist them in not only complying with the MS4 permit requirements, but more importantly improving the quality of stormwater runoff and reducing flooding.

XII. REFERENCES

1. Additional Conditions applicable to UIC permits at N.J.A.C. 7:14A-8.9, UIC Corrective Action (N.J.A.C. 7:14A-8.11) and UIC Operating Criteria (N.J.A.C. 7:14A-8.16).
2. Checklist and Request for MS4 Stormwater Permits: https://www.nj.gov/dep/dep/forms_stormwater
3. Clean Communities statewide litter abatement program www.njclean.org
4. Conditions for General Permits at N.J.A.C. 7:14A-6.13.
5. Conditions for reopening and modification of small MS4 permits at N.J.A.C. 7:14A-16.4(b)21 and N.J.A.C. 7:14A-25.7(b).
6. Construction Site Stormwater Runoff website www.nj.gov/dep/dwg/5g3.htm
7. DEP Mapping Application: https://www.nj.gov/dep/dwg/msrp_map_aid.htm
8. EPA's guidance for Green Infrastructure: www.epa.gov/green-infrastructure
9. EPA's National Menu of Stormwater Best Management Practices: www.epa.gov/npdes/national-menu-best-management-practices-npdes-stormwater
10. EPA's Trash Free Waters resource page: www.epa.gov/npdes/trash-free-waters
11. FEMA grant opportunities: <https://www.fema.gov/grants>
12. Illicit Connection Inspection Report Form: https://www.epa.gov/npdes/pubs/ilcde_manual_withappendices.pdf
13. Illicit Discharge Detection and Elimination Guidance: https://www.epa.gov/npdes/pubs/ilcde_manual_withappendices.pdf
14. Mahon, G. MS4 Permit Renewal and Tier Reassignments Presentation, Sixth Annual Watershed Conference, Watershed Institute, February 10, 2023.
15. Model ordinances: https://www.nj.gov/dep/dwg/esmepil_ordinance.htm
16. Model SPPP: <https://dep.nj.gov/wp-content/uploads/npdes-stormwater/sppp-model-2023.pdf>
17. MS4 Case Manager List: https://www.nj.gov/dep/dwg/esmepil_managers.htm
18. MSRP Annual Report: https://www.nj.gov/dep/dwg/tier_a.htm
19. MSRP Annual Report Service Tool: <https://www.njdepnline.com>
20. National Pollutant Discharge Elimination System (NPDES) Electronic Reporting rule at 40 CFR Part 127.
21. New Jersey Water Bank (NJWB): <https://nj.gov/dep/wbp/waterbank.html>
22. NJDEP Integrated Water Quality Assessment Report: https://www.state.nj.us/dep/wms/bears_dsls/storm-report20182020.html
23. NJDEP GeoWeb: <https://www.nj.gov/dep/gis/geoweb/index.html>
24. NJDEP grant and loan programs: <https://dep.nj.gov/grantandloanprograms/>
25. NJ Green Infrastructure Municipal Toolkit: <https://www.nj.gov/dep/gis/geoweb/municipal-toolkit.html>
26. NJ Developers Green Infrastructure Guide: <https://developersguide.njfuture.org/>
27. NJ Stormwater Utility Resource Center: <https://stormwaterutilities.njfuture.org/>
28. Regulatory Services Portal: <https://www.njdepnline.com>
29. Requirements for Discharges to Ground Water at N.J.A.C. 7:14A-7.
30. Sample Template for SPPP Form: https://www.nj.gov/dep/dwg/pubs/sppp_form.pdf
31. SPC Training, Municipal Board and Governing Body Member Training "Asking the Right Questions in Stormwater Review Training" Tool, and SWMDR Training: www.njstormwater.org/training.htm
32. Stormwater Management website www.njstormwater.org
33. The Stormwater Management rules at N.J.A.C. 7:8.
34. Stream Scouring Investigation Recordkeeping Form: https://www.nj.gov/dep/dwg/tier_a.htm
35. Stormwater Discharges from Municipal Sources: www.epa.gov/npdes/stormwater-discharges-from-municipal-sources
36. Supplemental Questionnaire: www.nj.gov/dep/dwg/tier_a.htm
37. Tier A MS4 Permit
38. Tier A MS4 Permit webpage: www.nj.gov/dep/dwg/tier_a.htm
39. TMDL Look-up Tool: <https://www.nj.gov/dep/dwg/msrp-tmdl-lookup.htm>
40. USEPA Guidance document: www.nj.gov/dep/dwg/tier_a_guidance.htm

ATTACHMENT 1

TABLE 1

NEW OR MODIFIED REQUIREMENTS FOR ORIGINAL TIER A MUNICIPALITIES

Deadline	Permit Requirement	Change from 2018 Permit
1/1/2023	IV.E.1. Post Construction Stormwater Management Program, MSWMP, SCO, and Mitigation Plan	Modified
	IV.F.2.a.vi. Herbicide Application Management	Modified
	IV.F.2.a.vii. Excess De-Icing Material Management	New
	IV.F.2.a.viii. Roadside Vegetative Waste Management	New
	IV.F.3.a.i. Storm Drain Inlet Inspection	Modified
	IV.F.3.a.ii. Storm Drain Inlet Cleaning and Maintenance	Modified
	IV.F.3.a.iii. Catch Basin Inspection	Modified
	IV.F.3.a.iv. Catch Basin Cleaning	Modified
	IV.F.3.a.v. MS4 Conveyance System Inspection and Cleaning	Modified
	IV.F.3.a.vi. Stormwater Infrastructure Inspection	New
	IV.F.3.a.vii. Stormwater Infrastructure Maintenance	New
	IV.F.5.a. Municipal Maintenance Yard (MMY) and Other Ancillary Operations	New
	IV.F.5.l. Aggregate Material, Wood Chips, and Finished Leaf Compost Storage	Modified
	IV.F.5.m. Cold Patch Asphalt Storage	Modified
	IV.F.5.o. Construction and Demolition Waste, Wood Waste, and Yard Trimmings	New
	IV.F.5.p. Storage of Scrap Tires	Modified
	IV.F.5.q. Storage of Inoperable Vehicles or Equipment	New
	IV.F.5. r. Covering of Outdoor Refuse Containers and Dumpsters	New
	IV.G.2. Stream Scouring	New
	IV.G.3. Illicit Discharge Detection and Elimination	Modified
4/1/2023	IV.B.2. Development of Municipal Stormwater Webpage	Modified
7/1/2023	IV.A.2. Stormwater Pollution Prevention Plan Requirements	Modified
1/1/2024	IV.F.1.b. Adopt and Enforce Community Wide Ordinances (new)	Modified
	IV.F.2.a.ix. Roadside Erosion Control	New
	IV.F.5.f. Bulk Liquid Storage (Secondary Containment)	New
1/1/2026	IV.F.2.a.i. Triannual Street Sweeping	New
	IV.F.2.a.ii. Annual Street Sweeping	Modified
	IV.F.6. SPC Training	Modified
	IV.G.1. MS4 Mapping	New
1/1/2027	IV.H.1.d. Watershed Improvement Plan - Phase 1 (Watershed Inventory Report)	New
	IV.H.1.e-f. Watershed Improvement Plan - Phase 2 (Watershed Assessment Report)	New
12/1/2027	IV.H.1.g. Watershed Improvement Plan - Phase 3 (Watershed Improvement Plan Report)	New
	IV.F.2.a.iv. Storm Drain Inlet Retrofitting	New
Within 12 months from rule adoption		Modified
	IV.F.9. Stormwater Management Rule Amendment Training	New

ATTACHMENT 1

TABLE 2

NEW OR MODIFIED REQUIREMENTS FOR NEW TIER A (FORMER TIER B) MUNICIPALITIES

Deadline	Permit Requirement	2018 MS4 Tier A Permit Change	Included in Former Tier B Permit?
1/1/2023	IV.E.1. Post Construction Stormwater Management Program, MSWMP, SCO, and Mitigation Plan (if applicable)	Modified	Yes
	IV.F.2.a.v. Storm Drain Installation	New	No
	IV.F.2.a.vi. Herbicide Application Management	New	No
	IV.F.2.a.vii. Excess De-Icing Material Management	New	No
	IV.F.2.a.viii. Roadside Vegetative Waste Management	New	No
	IV.F.3.a.i. Storm Drain Inlet Inspection	New	No
	IV.F.3.a.ii. Storm Drain Inlet Cleaning and Maintenance	Modified	Yes
	IV.F.3.a.iii. Catch Basin Inspection	Modified	Yes
	IV.F.3.a.iv. Catch Basin Cleaning	Modified	Yes
	IV.F.3.a.v. MS4 Conveyance System Inspection and Cleaning	Modified	Yes
	IV.F.3.a.vi. Stormwater Infrastructure Inspection	New	No
	IV.F.3.a.vii. Stormwater Infrastructure Maintenance	New	No
	IV.F.5.h. Discharge of Stormwater from Secondary Containment	New	No
	IV.F.5.i. Vehicle/Equipment Maintenance and/or Repair	New	No
	IV.F.5.j. Equipment and Vehicle Wash Wastewater Containment	New	No
	IV.F.5.m. Cold Patch Asphalt Storage	New	No
	IV.F.5.p. Storage of Scrap Tires	New	No
	IV.F.5.q. Storage of Inoperable Vehicles or Equipment	New	No
	IV.F.5.r. Covering of Outdoor Refuse Containers and Dumpsters	New	No
	IV.K.b. Supplemental Questionnaire	New	No
7/1/2023	IV.F.5.i. Aggregate Material, Wood Chips, and Finished Leaf Compost Storage	New	No
	IV.F.5.n. Street Sweepings and Storm Sewer Clean-out Material Storage	New	No
	IV.F.5.o. Construction and Demolition Waste, Wood Waste, and Yard Trimmings	New	No
	IV.F.10. Municipal Board and Governing Body Member Training	New	No

ATTACHMENT 1

TABLE 2

NEW OR MODIFIED REQUIREMENTS FOR NEW TIER A (FORMER TIER B) MUNICIPALITIES

Deadline	Permit Requirement	2018 MS4 Tier A Permit Change	Included in Former Tier B Permit?
1/1/2024	IV.A.2. Stormwater Pollution Prevention Plan Requirements	New	No
	IV.B.2. Development of Municipal Stormwater Webpage	New	No
	IV.F.1.a. Adopt and Enforce Community Wide Ordinances (pre-existing)	New	No
	IV.F.1.b. Adopt and Enforce Community Wide Ordinances (new)	New	No
	IV.F.2.a.ix. Roadside Erosion Control	New	No
	IV.F.5.a. Municipal Maintenance Yard (MMY) and Other Ancillary Operations	New	No
	IV.F.5.b. Site Inspections	New	No
	IV.F.5.c. Inventory List of All Possible Sources of Pollutants in a Stormwater Discharge (Materials and Machinery)	New	No
	IV.F.5.d. Container Labels	New	No
	IV.F.5.e. Spill Kits	New	No
	IV.F.5.f. Bulk Liquid Storage (Secondary Containment)	New	No
	IV.F.5.g. Establish, Maintain, and Implement BMPs for Fueling Operations	New	No
	IV.F.7. Annual Employee Training	New	No
	IV.F.8. Stormwater Management Design Review (SWMDR) Training	New	No
	IV.G.2. Stream Scouring	New	No
1/1/2026	IV.G.3. Illicit Discharge Detection and Elimination	New	No
	IV.F.2.a.i. Triannual Street Sweeping	New	No
	IV.F.2.a.ii. Annual Street Sweeping	New	No
	IV.F.6. SPC Training	New	No
	IV.G.1. MS4 Mapping	New	No
	IV.H.1.d. Watershed Improvement Plan - Phase 1	New	No
1/1/2027	IV.F.5.k. Salt and Other Granular De-icing Material Storage and Handling	New	No
12/1/2027	IV.H.1.e-f. Watershed Improvement Plan - Phase 2	New	No
	IV.F.2.a.iv. Storm Drain Inlet Retrofitting	Modified	Yes
	IV.H.1.g. Watershed Improvement Plan - Phase 3	New	No
Within 12 months from rule adoption	IV.F.9. Stormwater Management Rule Amendment Training	New	No

Health and Safety Input for KEC Mtg. 1/27/25

Items marked NC are unchanged since the 11/25/24 report.

KUPB Hearings - 2025

262 First Street – Multifamily in RAD – KUPB hearing scheduled for 2/27/25. Environmental issues are 98% impervious site, zero recreational area/open space for residents occupying 9 bedrooms, insufficient parking, bad site triangle made much worse at corner of Fulton and First. Need KEC input to KUPB on these health and safety items.

PEDESTRIAN SAFETY

TAP PSIP - NC – Crosswalks with All Way Stops on First Street and on Broadway needed for traffic calming. To date, no agreement on All Way stops and no schedule.

At the August 2024 KBC meeting, Borough leadership indicated that First Street residents should petition the County in support of implementation of the TAP PSIP with its All Way stops and crosswalks. The petition was signed by dozens of residents who access First Street from surrounding neighborhoods.

Based on discussions at the January KBC meeting, KEC needs to send letters to the KBC, the Keyport Police Chief and County leadership documenting KEC support for the PSIP plan and the First Street resident's petition.

KBC Public Comment Sessions – Fire Protection During the Public Comment sessions at the last couple of KBC meetings, multiple members of the Fire Department and the public have voiced their objection to donating a fire truck owned by the Borough to North Carolina. The loss of this firetruck prior to consolidation of fire companies and firehouses has been sighted as a safety issue for residents. Keyport residents have not been informed of the consolidation plan, such as location of future firehouses.

HARBOR ENVIRONMENT

Aeromarine Landfill - NC – Last summer, NJDEP posted signage restricting residents' activity in this area. Signage is now in disrepair. During July 2024, the Aeromarine owner, Bay Ridge Realty, was also served an NJDEP Notice of Violation for work in a riparian area without required permits.

A key environmental issue for the KEC is the failure of Aeromarine owners to conduct on-going sampling in the test wells on the site and having the reports provided to the Borough. Still no update on any efforts to eliminate the continuing erosion that is silting in the adjacent bay and creek. This erosion is also exposing landfill trash. A 2024 spring low-low tide exposed more than 120 plus feet of the harbor floor in front of the bulkheads, exposing tires, logs, and trash.

Installation of an Aeromarine bulkhead along the Bayfront and the abutting Creek is required to eliminate the mud and toxins flowing from this site. Sections of the beach at this site are covered with multiple fallen trees that need to be removed prior to the next severe storm.

Keyport Yacht Club - This winter, the KYC is outsourcing the storage of its small boats and dock floats to the Olsen's Marina site and the Keyport Towers and Marina site. As a result, the lower parking lot abutting the waterfront will be available for parking cars.

Ordinance 16-11 executed vacating of Atlantic Street north of First Street. This Ordinance states that the Borough maintains an easement for utilities (stormwater outfall pipe, etc.). This Ordinance also states that the Borough maintains an easement to preserve and ensure public access to the tidelands and Bay. In light of the new site signage restricting access, action needs to be taken by the Borough to maintain these two easements.

Browns Point Marina (BPM) - NC – BPM has filed a revised CAFRA Waterfront Development Permit application with the NJDEP. This application covers construction of a two-story 5,500 sq. ft. office and maintenance building, additional boat rack storage, and 2 additional 8' X 20' floating docks. The bulk of this construction is proposed for an area well below the Local Design Flood Elevation. KEC should monitor the design requirements imposed by the NJDEP to determine the need for additional KUPB variances.

No action on standpipe and fire hydrant deficiencies. At the 3/19/24 Town-hall meeting, the owner refused to address the issue. At the 8/22/24 KUPB meeting a Resolution granting another one-year extension of the BPM site plan variances was approved.

SITE CONTAMINATION

Mariner's Village, Browns Point Marina Contamination – NC Roger Miller's status report identifies the contaminated dirt pile at the end of Washington St as "historic fill" to be used under the 120-unit apartment area by the EOY 2022. This action has not occurred. **KEC letter regarding contaminated fill at the north end of Washington Street is still not addressed by Borough officials**

Kaputshy Gas Station on Broad St - NC - On 12/16/20, NJDEP approved funding from the Hazardous Discharge Site Remediation Fund (HDSRF) to conduct a Preliminary Assessment (PA) and Site Investigation (SI). The approved costs from the HDSRF is in the amount of \$44,242.

This is an example/validation of the need to reactivate the Brownfield Development Area team to monitor hazardous sites to procure clean-up funding and to ensure timely implementation of the cleanup.

Keyport Towers and Marina - NC – Recently, piles of dirt have been observed along the fence abutting West Front Street. Notice for an Environmental Study and Remediation Activities was posted, 8/3/22. **It is suggested that Borough Officials request all the LSRP reports generated by this investigation.** This project is not listed as a Pending Case in the KUPB file as of this report date. This project, in a SFHA, will require a Floodplain Development Permit approved by the Borough Floodplain Manager.

FLOODING

Mystic at Keyport/Deputy Ventures - NC –The NJDEP issued CAFRA permit requires these homes in a CHHA be built on piles with breakaway walls, etc. Reportedly updated architectural plans have been generated. The KBC update indicates that documents were accepted by the engineer. The developer has failed to request and receive one-year extensions of the KUPB approved plans.

The Flood Damage Prevention Ordinance (FDPO) and a KUPB Condition of Approval (COA) require the property Deeds advise buyers of the flood risk at this SFHA site. A Floodplain Development Permit is required prior to construction. The 1/13/24 high tide put the site under more than a foot of water, flooding the street and garage areas of dwellings on the east side of Beers Street. Despite the flood history at this site and the FDPO and the COA, the KBC update documents indicate **Deeds/declaration covenants and restrictions are under legal review.**

Flooding Due to Filled Drainage Ditch – NC – No update regarding continuing wetland infringement in the area behind Saint Peter's Place. No enforcement action by the Borough. Filling in of this wetland area and its floodway between Beers and Main has contributed to flooding on Main, Monroe, and Broad by the schools, and Atlantic by the ballfield (flooding basements in multifamily buildings across from the ballfield).

Port 149 Bulkhead - NC – Bulkhead project remains stalled. It requires removal of multiple power transformers by JCPL before additional work on the last 50 feet of bulkhead by the bridge can resume. The new bulkhead structure is not presently built to permitted specs that require: 1.) a 10 ft. wide concrete splash pad/sidewalk and the ground elevated to the top of bulkhead, 2.) elimination of ~5 ft. of vinyl sheeting patched on top of old steel sheeting, and 3.) old piles and sheeting are still in place for the last ~50 feet before the bridge. West Front Street near the Fishery flooded during the 1/13/24 high tide.

East Third St Flooding – The drainage-ditch/floodway along the Henry Hudson Trail (HHT), between Atlantic and Manchester, flows to the pipe under the HHT just east of Manchester Street instead of continuing down the floodway to Chingarora Creek. This 20-inch pipe under the HHT dumps water into the street below the HHT, resulting in flooding of homes on East Third and East Fifth Streets. Hudson Pointe is now approved to discharge their stormwater into the pit abutting this pipe under the HHT, which will further intensify the flooding issue on East Third and East Fifth. This stormwater should flow down the HHT drainage-ditch past Fulton to Chingarora Creek.

Development at the Hudson Pointe site has started. However, the HHT east of Manchester has not been cleared to allow this floodway to empty into Chingarora Creek.

Beach Park Outfall Pipe - NC – The Beach Park 30-inch Outfall Pipe problem with the significantly restricted outfall pipe capacity due to the duckbill on the end of the pipe remains unresolved. Without a pump to push the water through the duckbill flooding continues. Replacing the duckbill with a flapper valve has been done in other towns. No fix will lead to continued flooding of Division and E Front basins. The 6/14/24 intense rainstorm was the latest occurrence of this flooding problem.

Firemen's Park Bulkhead – Borough Bond Ordinance was approved for \$4M to fund elevation of the bulkhead and parking lot. This elevation increase will only deal with tidal flooding of this parking lot, not a 100-year storm. There is no fix for American Legion Drive flooding by the Post Office fence abutting this road. The Borough has obtained 2 grants to cover a major part of the cost of the bulkhead replacement

Recent drilling at this site reportedly related to evaluation of bulkhead anchoring ability.

Developer's Sites in SFHA

Mariner's Village in CHHA

34 West Front Street in CHHA

333 First Street townhouses in CHHA

Raritan Cove abutting CHHA

Beach Park upgrades in VE Zone

25 East Front Mixed Use 5- Story apartment Project