



# NASSAU COUNTY STORMWATER MANAGEMENT PROGRAM PLAN

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**July 2024**

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# 1.0 STORMWATER MANAGEMENT PROGRAM

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## 1.1 Regulatory Background

Nassau County operates its Municipal Separate Storm Sewer System (MS4) under a discharge permit from the New York State Department of Environmental Conservation (NYSDEC). NYSDEC administers the MS4 Permit as they implement the National Pollutant Discharge Elimination System (NPDES) on behalf of the US Environmental Protection Agency, known as the State Pollutant Discharge Elimination System (SPDES) in New York. NYSDEC's MS4 Permit defines the conditions by which an MS4 operator may discharge to waters of the State.

In January 2024, NYSDEC enacted an update to its MS4 Permit. This updated MS4 Permit (Permit No. GP-0-24-001) replaced the 2015 version of the MS4 Permit (GP-0-15-003) and continues many of the same concepts present in the original 2002 MS4 Permit (GP-02-02). On February 15, 2024, Nassau County submitted its Notice of Intent requesting NYSDEC to continue its authorization to allow Nassau County to discharge stormwater from its MS4 to surface water under the updated MS4 Permit.

A critical component of MS4 Permit compliance is the development, update, and implementation of a Stormwater Management Program (SWMP). Specifically, NYSDEC requires all MS4 permittees to "develop, implement, and enforce a SWMP. The SWMP must be retained in written format ... referred to as the SWMP Plan." NYSDEC requires that permittees continuing their coverage from the 2015 version of the MS4 Permit to the 2024 version must continue to implement their current SWMP through the process of updating their SWMP Plan to comply with the new permit requirements.

## 1.2 SWMP Administration

Nassau County developed its SWMP Plan to be consistent with the 2024 MS4 Permit in accordance with the SPDES requirements. This SWMP Plan facilitates the County's efforts to reduce pollutants discharged via stormwater through the County's MS4 to surface waters, as required by the SPDES program. The SWMP Plan serves the following three purposes:

- Documents the County's commitment to comply with the requirements of the MS4 Permit.
- Serves as a compliance roadmap for County staff and partner organizations by defining responsibilities and timelines.
- Informs the public of the variety of stormwater management activities performed by the County.

Nearly all of Nassau County exists within NYSDEC's MS4 Automatically Designated Area which is delineated based on an area's total population and population density. NYSDEC designated those areas of the County that are located outside the Automatically Designated Area as Additionally Designated Areas. Therefore, all discharges from the County's MS4 to surface water require NYSDEC authorization under the MS4 Permit, and so, the County's SWMP applies across the entirety of the County.

This SWMP Plan is consistent with the timeline, procedures, and standards of the County's required MS4 Permit compliance activities. The Plan describes specific actions, programs, and procedures to be





implemented over the five-year MS4 Permit cycle to reduce pollutants discharging from the County's MS4 and protect local surface waters. SWMP Plan implementation activities are organized by six Minimum Control Measures (MCM) and the Enhanced Requirements of Impaired Waters defined by the MS4 Permit. The timeline for complying with specific permit requirements is based on the Effective Date of Coverage (EDC) of the permit which is January 3, 2024.

NYSDEC expects MS4 permittees, including Nassau County, to regularly review the SWMP Plan, making edits, additions, and modifications as necessary to achieve the stated stormwater management goals of the SPDES program and Nassau County. These updates are expected to be posted for public review and comment so that the public has the option to actively engage in the County's SWMP.

The MS4 Permit states that "the SWMP Plan may incorporate by reference any documents that meet the requirements of this SPDES general permit." Therefore, Nassau County maintains a series of documents that support the water quality goals and compliance responsibilities of the SWMP. These specific documents that Nassau County considers to be part of the SWMP Plan are listed in **Appendix A**. The County regularly reviews each document and tracks updates to adapt to changing water quality priorities, infrastructure conditions, compliance responsibilities, and field observations. Other documents may be added to this list of supporting documents through the MS4 Permit cycle.

### 1.3 Staff Responsibilities

Nassau County identifies the following individuals that play a role directing the implementation of the SWMP:

- **Ranking Official:** Kenneth Arnold, Commissioner, Nassau County Department of Public Works.
- **Stormwater Program Coordinator:** Daniel Fucci, Environmental Specialist, Nassau County Department of Public Works.
- **Partner Organizations:** Nassau County signed agreements with the following organizations that play a partnering role implementing Nassau County's SWMP. These agreements state specific responsibilities for performing MS4 Permit compliance activities, timelines, communication methods, and cost sharing. These agreements also include commitments by the other MS4 permittees (villages, towns, and cities) within Nassau County and adjacent Long Island counties.
  - Manhasset Bay Protection Committee
  - Hempstead Harbor Protection Committee
  - Oyster Bay/Cold Spring Harbor Protection Committee
  - Nassau County Soil & Water Conservation District

### 1.4 SWMP Plan Availability

Nassau County actively posts the most recent SWMP Plan on its website so that it is available for public inspection. The SWMP Plan defines the timeframes for SWMP implementation, review, and update. Other documents posted and available for the public to review include Annual Reports, Interim Progress Certifications, the County's Drainage Use Ordinance, the County's Drainage Requirements, and stormwater management educational materials.



In addition to Nassau County, all other incorporated municipalities in the County are required to maintain coverage to discharge stormwater under the MS4 Permit as authorized by NYSDEC. These other permittees include two cities (Glen Cove and Long Beach), three towns (Hempstead, North Hempstead, and Oyster Bay), and 64 incorporated villages. Therefore, the availability of the SWMP Plan also promotes coordination of SPDES compliance activities between these other MS4 permittees.

Nassau County provides notice of updates to this SWMP Plan to these other MS4 permittees. Although fellow MS4 permittees' SWMP Plans are likely generally consistent with each other, Nassau County intends to improve consistency by sharing information about compliance strategies and activities. Communication about SWMP implementation activities can prevent MS4 permittees from duplicating compliance efforts.

Specific opportunities for coordination that can occur because of the public availability of Nassau County's SWMP Plan include:

- Consistent focus areas, target audiences, and specific educational topics across jurisdictions;
- Greater exposure of announcements of public involvement opportunities;
- Shared results of outfall inspection activities, including shared response on activities that address illicit discharges and dry weather flows; and
- Regional training opportunities that can be attended by municipal staff from multiple jurisdictions.

### 1.5 Legal Authority

The MS4 Permit requires permittees to enact a legal mechanism to prohibit illicit discharges from the MS4, to control runoff from construction activities, and to require installation and maintenance of post-construction stormwater management practices (SMPs) during the land development process. The Nassau County Administrative Code, as adopted by the County Board of Supervisors, includes the following regulations that generally support the prevention of the discharge of pollutants from the MS4 to surface water.

- **Chapter XI-A Unlawful Use of County Property, Title A General. § 11-A-3.0 Violations.** It shall be a violation of this chapter punishable by civil fine or as a misdemeanor for any person to willfully discharge any waste or other material into, within or upon any county property that is a drain, sewage receptacle, storm water conduit, storm water basin or other part of a drainage or sewage system, or to induce another person to willfully discharge such waste or other material into such a system, without prior permission or authorization by the department or office having jurisdiction thereof except as otherwise provided by law.
- **Chapter XII Department of Public Works, Title D Drainage. § 12-20.1 Approval of drainage facilities provided by other agencies.** No city, town, village or other public corporation shall make any improvements which may be made by the County under section 12-20.0 of the code until a plan showing the improvement proposed to be made, in such detail as may be required by the Commissioner of Public Works, shall be submitted to and be approved by such Commissioner of Public Works.

In addition, the County's Drainage Ordinance regulates the use of the County's MS4 and provide penalties for violations.



Guidance for achieving the standards defined in the Administrative Code and Drainage Ordinance are included in the Nassau County Department of Public Works Drainage Requirements. This document defines “the drainage requirements for street grading and drainage and the requirements for erosion and sediment control” for land development and site improvement projects that abut County property or right-of-way.

These County policies are consistent with the New York State General Municipal Law § 239-F (Approval of Building Permits, Curb Cuts, and Subdivision Plans), the NYSDEC Model Local Law to Prohibit Illicit Discharges, Activities and Connection to Separate Storm Sewer Systems, and the NYSDEC Sample Local Law for Stormwater Management and Erosion & Sediment Control. The County’s Stormwater Management Website provides an active link to the Administrative Code, Drainage Ordinance, and Drainage Requirements.

### 1.6 Enforcement Measures and Tracking

The County’s enforcement response plan that supports its stormwater management standards are included in the Drainage Ordinance. The Ordinance clearly describes the actions to be taken to address violations related to illicit discharges, construction site runoff, and post-construction stormwater management. The Ordinance sets forth a protocol to address repeat and continuing violations through progressively stricter responses as needed to achieve compliance with the terms and conditions of this MS4 Permit.

Nassau County tracks instances of non-compliance with the Drainage Ordinance, Drainage Requirements, and the stormwater management regulations in the Administrative Code associated with illicit discharges, construction site runoff, and post-construction stormwater management. The County maintains a record of its tracking and enforcement response for each instance of non-compliance by documenting the following:

- Name of the owner/operator of the facility or site of the violation (can be redacted from the publicly available SWMP Plan);
- Location of the stormwater source (e.g., construction project);
- Description of the violation;
- Schedule for returning to compliance;
- Description of enforcement response used, including escalated responses if repeat violations occur or violations are not resolved in a timely manner;
- Accompanying documentation of enforcement response (e.g., notices of noncompliance, notices of violations); and
- Any referrals to different departments or agencies; and the date the violation was resolved.

### 1.7 Recordkeeping and Reporting

In compliance with the timelines included in the MS4 Permit, Nassau County keeps records of the following SWMP activities.

- Non-compliance tracking and response;
- SWMP Plan revisions;
- SWMP Plan public comment advertisements and responses;
- Methods used for distribution of educational messages;
- Monitoring location prioritization (within 30 days of discovery);



- Illicit discharges (within 30 days of report);
- Construction site prioritization (within 30 days of becoming active);
- Pre-construction inspection/meeting (if not listed as the owner/operator under the Construction General Permit (CGP));
- Municipal facilities prioritization (within 30 days of addition to the inventory); and
- Actions to repair outfall protection and/or bank stability problems identified during the inspection in sewersheds discharging to phosphorus, silt/sediment, pathogen, and nitrogen impaired waters.

Nassau County summarizes all SWMP implementation activities in an Annual Report for the period from January 3 through January 2. This Report is submitted to NYSDEC by April 1 each year. Nassau County also submits Interim Progress Certifications to NYSDEC for the period from January 3 through June 30, which is submitted to NYSDEC by October 1 each year.

All reports required by the MS4 Permit, and other information requested by NYSDEC, shall be signed by either a principal executive officer or ranking elected official; or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- The authorization is made in writing by a principal executive officer or ranking elected official;
- The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, position of equivalent responsibility, (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
- The written authorization is submitted to the Department.

The authorized signatory shall be able to attest to the following statement:

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Nassau County maintains all records associated with its SWMP for five years. Records include the MS4 Permit Notice of Intent, the SWMP Plan, Annual Reports, Interim Progress Certifications, and the supporting documents listed in Appendix A. Many records are posted on the County's Stormwater Management Website; all records are available for review by NYSDEC or by the public upon request.

## 1.8 SWMP Evaluation

Once every five years, Nassau County evaluates the SWMP for compliance with the terms and conditions of the MS4 Permit. This review evaluates the effectiveness or deficiencies of components of the SWMP Plan and the status of achieving the requirements outlined in the MS4 Permit. Amendments to the SWMP Plan



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are made to support the County and achieve its water quality and permit compliance goals. In addition to the five-year review cycle, the County evaluates and/or amends the SWMP Plan for the following reasons:

- Completion or update of activities defined for MCM compliance.
- Completion or update of activities defined to comply with Enhanced Requirements for Impaired Waters.
- Updates to the MS4 map.
- The annual processes of requesting the public to comment on the SWMP Plan and the Annual Report.

Nassau County maintains a record of all SWMP Plan evaluation and revision activities by documenting the following:

- Name of evaluator;
- Date of evaluation and/or revision;
- Extent of SWMP Plan evaluation (individual sections or comprehensive evaluation);
- Section of the SWMP Plan revised (if necessary); and
- Description of specific revisions.





## 2.0 MS4 INFRASTRUCTURE MAPPING

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Nassau County occupies an area of 453 square miles (including 169 square miles of water) between New York City to the west and Suffolk County to the east. The southern boundary of the County is the Atlantic Ocean; the northern boundary is Long Island Sound. The US Census Bureau's 2023 population estimate for Nassau County is 1,381,715 (a 3% increase from 2010).

Stormwater within Nassau County infiltrates into the soil and groundwater or is discharged to surface water bodies such as ponds, streams, wetlands, and bays. Historically, as development occurred, less water was able to infiltrate into the soil to the groundwater, and so became runoff discharging to surface water. Development occurring in the County prior to regulations on stormwater management utilized the existing topography to concentrate stormwater runoff and quickly direct it away from developed land uses and transportation infrastructure to surface water bodies.

In 1953, Ordinance Number 157 was adopted by the Nassau County Board of Supervisors, which pertained to the Regulations for the Subdivision of Land. This regulation and the Department of Public Works requirements that followed, required stormwater to be managed onsite before discharging to surface water bodies. The onsite storage and management of stormwater is typically achieved by the installation of drywells, recharge basins, or drainage reserve areas. Runoff leaving the site flows through the curbs and pipes that make up the MS4.

Nassau County maintains a comprehensive system map of the MS4 that has been developed over the decades to serve the community. The map includes outfalls, interconnections, storm-sewershed boundaries, MS4 infrastructure, and basemap information. The map is maintained at a scale, with sufficient detail to fulfill the MS4 Permit requirement and to serve as "a planning tool and to allow for prioritization of efforts and facilitate management decisions." Mapping data is managed by the County GIS office and is regularly updated as land development and redevelopment occur and as new information about the MS4 is discovered.

The GIS Department makes the map available for staff to perform the prioritization and asset management tasks that are required by the MS4 Permit. The map is also available through an online viewer that allows the public to see the extent of the County's MS4 infrastructure.

Nassau County's description of the current and future mapping activities required by the MS4 Permit are presented below.

### **Continue from 2015 Permit**

Nassau County will continue to maintain and update its existing map of County owned/operated stormwater infrastructure, including catch basins, pipes, manholes, SMPs, and outfalls. Additional drainage infrastructure information, including new structural SMPs will be added to the map as they are installed during new County construction projects.

Nassau County's current map includes all outfalls associated with the County's MS4, as well as many outfalls serving MS4 infrastructure operated by other permittees and outfalls serving private storm sewers. This map that includes nearly all outfalls to surface water across the County supports the County's comprehensive outfall inspection program (see MCM 3). Consistent with the intent of the MS4 Permit, the County will add



more detail to its MS4 map to differentiate between the three types of Monitoring Locations defined in MCM 3 of the MS4 Permit (MS4 outfalls, Interconnections, and Municipal facility intraconnections).

**Completed July 3, 2024** (within six months of EDC)

- Comprehensive system mapping that includes detailed information about the following features as detailed in the MS4 Permit:
  - MS4 outfalls
  - Interconnections
  - Preliminary storm-sewershed boundaries
  - MS4 infrastructure
  - Basemap information



## 3.0 MINIMUM CONTROL MEASURES

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NYSDEC identifies Nassau County as a Traditional Non-Land Use Control MS4 Operator. Therefore, Nassau County is responsible to implement the following six MCMs defined in Part VII of the MS4 Permit.

1. Public Education and Outreach Program
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management
6. Pollution Prevention and Good Housekeeping

### 3.1 MCM 1: Public Education and Outreach Program

This MCM is designed to inform the public about the impacts of stormwater on water quality, the general sources of stormwater pollutants, and the steps the general public can take to reduce pollutants in stormwater runoff.

The Public Education and Outreach control measure is directed at educating a wide variety of audiences about the impact stormwater runoff has on the environment. To direct educational resources to where they are most effective, the County will define focus areas, target audiences, and specific educational topics. Consistent with its existing cooperative agreements with its Partner Organizations, the County will offer stormwater education opportunities to the general public and targeted audiences. In collaboration with these Partner Organizations, the County will define and implement strategies for distributing specific messages to target audiences within focus areas.

**Table 1** presents the broad variety of topics, audiences, and education and outreach strategies that the County and its Partner Organizations have implemented in the past. Actual examples of educational materials used in the past are included in past MS4 Permit Annual Reports. The County will continue to coordinate with its Partner Organizations to update and refine the focus of the program to most effectively educate the public about key water quality and stormwater management issues.

The County maintains a Stormwater Management Website with support from its Partner Organizations as a resource to keep the public informed about the County's SWMP Plan, MS4 Annual Reports, stormwater regulations, general stormwater topics, and specific stormwater concerns.

Nassau County will continue to implement its education and outreach programs to increase public awareness of pollutant generating activities and behaviors. More details about the County's current Public Education and Outreach Program and compliance activities required by the MS4 Permit are presented in **Appendix B**.



**Table 1. Public Education and Outreach Program Components.**

Topics	Audiences	Strategies
Illicit discharge detection and elimination	Public employees	Kiosks/ other displays
Household hazardous waste disposal	Residential	Listservs
Infrastructure maintenance	Businesses	Mailing lists
Storm drain marking	Contractors	Newspaper ads/articles
Green infrastructure/Better site design/LID	Developers	Public events/presentations
Pesticide and fertilizer application	General public	School programs
Pet waste management	Students	Printed materials
Riparian corridor/wetland protection	Boaters	Social media
Recycling and trash management	Homeowners	Webpages
Vehicle washing		
Septic maintenance		
Boat pump-out		

### 3.2 MCM 2: Public Involvement/Participation

The Public Involvement/Participation MCM is designed to give the public the opportunity to submit their input to how the County implements its SWMP. The implementation of this MCM by the County, with support of their Partner Organizations, offers the public activities where they can be involved in the development, implementation, and evaluation of the County’s SWMP. Specifically, Nassau County performs the following actions on an annual basis (additional details are included in the County’s Annual Report):

- Posts contact information of a County staff member to receive public comments on the County’s SWMP and compliance with permit requirements.
- Includes the SWMP as an agenda item at a public meeting.
- Informs the public of the opportunity to participate in the SWMP.
- Provides the public with an opportunity to review and comment on the SWMP Plan and the draft Annual Report.
- Posts a summary of comments received on the SWMP Plan and draft Annual Report and changes made to the SWMP Plan.

**Table 2** presents the broad variety of participation and involvement opportunities and forms of public notice that the County and its Partner Organizations have implemented in the past. Actual examples of opportunities available to the public to engage in the stormwater program in the past are included in past Annual Reports. The County will continue to coordinate with its Partner Organizations to update and refine the focus of the SWMP to most effectively promote public participation and involvement in the SWMP.

Nassau County will continue to provide opportunities to involve the public in the development, review, and implementation of the SWMP. More details about the County’s the public involvement/participation compliance activities required by the MS4 Permit are presented in **Appendix C**.



Table 2. Public involvement/participation program activities.

Opportunities	Public Notice
Cleanup events	Listservs
Community hotlines	Newspaper advertising
Community meetings	TV/radio notices
Storm drain markings	Social media
Stakeholder meetings	Webpages
Volunteer monitoring	
Shellfish gardening	

### 3.3 MCM 3: Illicit Discharge Detection and Elimination

Pollutants discharging from the MS4 would be a violation of the SPDES program. Therefore, MS4s operators are prohibited from discharging non-stormwater sources of runoff to surface water. Examples of illicit discharges prohibited from entering the MS4 include direct connections of wastewater to the storm sewer; infiltration from failed septic systems; spills on roads that enter storm drains; and untreated runoff from industrial land use. The result is untreated discharges that contribute pollutants to surface water bodies, that may include heavy metals, toxins, oil and grease, solvents, nutrients, and pathogens. The County’s Stormwater Management Website includes information related to the prevention of illicit discharges, including the following:

- What types of discharges are allowable;
- What is an illicit discharge and why is it prohibited;
- The environmental hazards associated with illicit discharges and improper disposal of waste;
- Proper handling and disposal practices for the most common behaviors within the community (e.g., septic care, car washing, household hazardous waste, swimming pool draining, or other activities resulting in illicit discharges to the MS4); and
- Contact information of a County staff member to receive public reports of potential illicit discharges.

If the County determines that a report from the public is legitimate, the County will coordinate with other MS4 permittees in the area and decide who has responsibility to manage the infrastructure impacted and who the lead investigator should be to address the issue.

Nassau County locates illicit discharge problem areas through dry weather inspection of monitoring locations. The County inspects all outfalls over a five-year cycle and County staff are trained on how to identify illicit discharges and what to do when found. As defined in the MS4 Permit, there are three types of monitoring locations used to inspect for the presence of illicit discharges:

- **MS4 outfalls.** Any point of stormwater discharge from pipes, ditches, and swales, as well as other points of concentrated flow, to surface waters of the State from an MS4 Operator’s MS4. Areas of sheet flow which drain to surface waters of the State are not considered MS4 outfalls.





- **Interconnections.** Any point of stormwater discharge from pipes, ditches, and swales, as well as other points of concentrated flow, where the MS4 Operator's MS4 is discharging to another MS4 or private storm sewer system. Areas of sheet flow which drain to another MS4, or private storm sewer system are not considered interconnections.
- **Municipal facility intraconnections.** Any point where stormwater is conveyed from the MS4 Operator's municipal facility to the MS4 Operator's own MS4. This is the most down-drainage end of the MS4 infrastructure located on the municipal facility prior to discharge to the MS4.

When a dry weather flow is found, the County follows the processes included in the Center for Watershed Protection's guidance manual to track down and eliminate illicit discharges.

Non-stormwater discharges through outfalls listed in Part 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) 750-1.2(a)(29)(vi) (**listed below**) and 40 CFR 122.34(b)(3)(ii), are authorized by the MS4 Permit provided they do not violate Environmental Conservation Law (ECL) Section 17-0501. If NYSDEC or the County determines that one or more of the discharges violate these regulations, then the discharges are defined as illicit. The County then takes action to eliminate these discharges.

- Discharges from firefighting activities only when the firefighting activities are emergencies/unplanned;
- Fire hydrant flushings;
- Testing of firefighting equipment, provided that such equipment is for water only fire suppression;
- Potable water sources including waterline flushings;
- Irrigation drainage;
- Lawn watering;
- Uncontaminated infiltration and inflow;
- Leakage from raw water conveyance systems;
- Routine external building wash down and vehicle washing which does not use detergents or other compounds;
- Pavement wash waters where spills or leaks of toxic or hazardous materials, other than minor and routine releases from motor vehicles, have not occurred (unless such material has been removed) and where detergents are not used;
- Air conditioning and steam condensate;
- Springs;
- Uncontaminated groundwater; and
- Foundation or footing drains where flows are not contaminated with process materials such as solvents provided that the permittee has implemented an effective plan for minimizing the discharge of pollutants from all of the sources listed above.



Nassau County will continue to implement and enforce a program which systematically detects, tracks down, and eliminates illicit discharges to the MS4. More details about the County's current illicit discharge detection and elimination activities required by the MS4 Permit are presented in **Appendix D**.

### 3.4 MCM 4: Construction Site Runoff Control

This MCM is designed to prevent pollutants from discharging from construction activities, as well as promote the proper planning and installation of post-construction SMPs.

Activities that are performed on construction sites typically disturb a large amount of land and can generate large amounts of waste. Runoff from construction activities can lead to elevated levels of sediment, phosphorous, nitrogen, pesticides, petroleum, construction chemicals, and solid wastes in surface water bodies. The resulting siltation and the contribution of other pollutants from construction sites can cause physical, chemical, and biological harm to local water bodies and aquatic habitats.

As a Traditional Non-Land Use Control MS4 permittee, the County does not issue building permits. Therefore, the County has limited authority over site developers regarding the design, installation, and maintenance of sedimentation and erosion and pollutant control measures on their sites. Instead, these responsibilities fall directly on the traditional MS4 permittees (cities, towns, villages), whose land use regulations have the necessary authority to regulate the land development process.

Nassau County does hold authority to regulate site grading and drainage for sites that erect buildings with frontage on, direct access to, or are otherwise directly related to any County road or property. The County Drainage Ordinance and Drainage Requirements provide specific drainage requirements that pertain to these construction and existing site redevelopments that are adjacent to Nassau County roads, property, or easements. Further, The County intends to have staff trained on Stormwater Pollution Prevention Plan (SWPPP) implementation through an NYSDEC endorsed training program.

Therefore, this MCM applies to stormwater runoff from two specific types of construction activities that require an SPDES permit for stormwater discharge from construction activities:

- Construction activities permitted, approved, funded, or owned/operated by Nassau County consistent with New York State General Municipal Law § 239-F which requires county approval of all subdivisions with proposed structures, streets, or buildings with frontage on a right-of-way or site shown on the county official map.
- Construction activities where the County is listed as the owner/operator on the Notice of Intent for coverage under an SPDES Permit.

Nassau County posts contact information of a County staff member to receive public comments on the County's SWMP and compliance with permit requirements.

Nassau County will continue to implement activities to develop, implement, and enforce a program to ensure pollutant discharge from construction sites is effectively controlled. More details about the County's current construction site stormwater runoff control activities required by the MS4 Permit are presented in **Appendix E**.



### 3.5 MCM 5: Post Construction Stormwater Management

This MCM is designed to promote the long-term performance of post-construction SMPs that are installed to remove pollutants from stormwater runoff flowing off the landscape. This MCM focuses on SMPs owned and operated by Nassau County.

Nassau County's limited authority to require Post-construction Stormwater Management features during the land development process is similar to its limited authority to oversee erosion control practices at construction sites (MCM 4). As a Traditional Non-Land Use Control MS4 permittee, the County has limited regulatory authority to require SMPs in areas located beyond its jurisdiction. Incorporated areas within the County (cities, towns, and villages) possess this authority to regulate land development on private property. Therefore, County compliance activities for this MCM focus on land developments occurring adjacent to the County's right-of-way and property and County-owned and operated SMPs. The County maintains an inventory of County owned post-construction SMPs.

For County-owned stormwater control features, Nassau County's Stormwater Best Management Practice Maintenance Manual includes construction details of 21 stormwater structures. This manual will serve the foundation for the updated SMP inspection and maintenance program. Additionally, existing County manuals and other documents (see **Appendix A**) provide guidance on maintenance of treatment control structures.

Nassau County will continue to implement and enforce the activities to ensure proper operation and maintenance of post construction SMPs for new or redeveloped sites where the County has jurisdiction. More details about the County's current post construction stormwater management activities required by the MS4 Permit is presented in **Appendix F**.

### 3.6 MCM 6: Pollution Prevention and Good Housekeeping

This MCM is designed to ensure that the County's operations at its facilities and within its rights-of-way do not contribute pollutants to surface waters of the State.

Implementation of this MCM is applicable to Nassau County facilities and operations and does not apply to private property owners or other MS4 permittees within the County. The County maintains an inventory of County owned facilities and County operations and tracks their potential to discharge pollutants to surface water via stormwater runoff.

The SWPPPs developed for Nassau County facilities and operations include procedures that address such issues as hazardous materials storage, street sweeping procedures, control of floatables and other debris, spill cleanup, vehicle maintenance, and vehicle storage. The SWPPPs and other pollutant control guidance are listed in Appendix A and focus on 1) minimizing exposure of potential pollutants to precipitation; and 2) keeping areas and materials that are exposed to precipitation clean and orderly.

Employee training programs are essential to teach employees about stormwater management, pollution prevention, and best management practices (BMP). Well-trained employees can reduce human errors that lead to accidental releases or spills. Employees have the tools and knowledge to immediately begin cleaning up a spill if one should occur. Employee training programs instill personnel with an understanding of the SWMP consistent with their role with the County. Therefore, Nassau County employees receive formalized



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training outlining the requirements of the SWMP. Worker training addresses topics such as spill response, housekeeping, materials management, preventive maintenance, and inspection procedures.

Nassau County will continue to implement and enforce its pollution prevention and good housekeeping program for municipal facilities and municipal operations to minimize pollutant discharges. More details about the County's current pollution prevention and good housekeeping required by the MS4 Permit are presented in **Appendix G**.



## 4.0 ENHANCED REQUIREMENTS FOR IMPAIRED WATERS

Part VIII of the MS4 Permit describes Enhanced Requirements for Impaired Waters that apply to MS4 permittees that discharge to water bodies impacted by stormwater discharge. NYSDEC has identified five pollutants of concern that could discharge from an MS4 sewershed and impair surface water quality. Appendix C of the MS4 Permit lists each impaired water across the State and their pollutant of concern (as related to stormwater runoff). In Nassau County, NYSDEC identifies 30 water bodies as impaired by pollutants that could originate from MS4 discharge. These are summarized in **Table 3** and listed in **Appendix H**. Therefore, Nassau County is required to prepare and implement BMPs designed to reduce the discharge of these specific pollutants of concern from MS4 sewersheds to local water bodies.

**Table 3. Nassau County Water Bodies and Pollutants of Concern**

Pollutant of Concern *	Impaired Water Bodies in Nassau Co
Phosphorus	8
Silt/Sediment	3
Pathogens	21
Nitrogen	3
Floatables	0

\* NYSDEC has identified multiple impairments for four of the 30 water bodies.

Nassau County will incorporate, where feasible, cost-effective runoff reduction techniques for applicable pollutants of concern during planned upgrades to County facilities, including County rights-of-way. Examples of these runoff reduction techniques include bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention, and curb cuts to route the flow through below-grade infiltration areas.

Nassau County will also comply with the MS4 Permit to map potential sources of pollution and implement BMPs specific to each pollutant of concern defined by NYSDEC. These activities include the following:

- Educating the public about what they can do to prevent pollutant discharge;
- Sweeping streets;
- Perform inspections of potential sources of pollution;
- Implement the SWPPPs for facilities that could discharge pollutants of concern to the MS4 or surface water;
- Implement the SWPPPs for operations that could discharge pollutants of concern to the MS4 or surface water; and
- Repair streambanks and MS4 outfalls.





## Nassau County Stormwater Management Program Plan

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Nassau County will implement the activities defined in the timeline in **Appendix H** to develop and implement the mapping and BMPs to minimize discharge of specific pollutants of concern to impaired water bodies.

**Note:** NYSDEC has not developed any stormwater-related Total Maximum Daily Loads (TMDL) that apply to water bodies in Nassau County Watershed. Therefore, Part IX (Watershed Improvement Strategy Requirements for TMDL Implementation) of the MS4 Permit does not apply to Nassau County's SWMP. If NYSDEC were to complete a TMDL for an impairment caused by stormwater for a Nassau County waterbody, Nassau County may be required to implement additional water quality activities.



## Appendix A

### SWMP Supporting Documents

Nassau County maintains the following documents (consistent with timeline defined by NYSDEC in the MS4 Permit) as part of its SWMP Plan. These documents are incorporated into the SWMP Plan by reference. This list may expand to support water quality and MS4 Permit goals. Nassau County will review and update each document on a regular basis.

- MCM 1: Public Education and Outreach Program Plan
- MCM 2: Public Involvement/Participation Plan
- MCM 3: Illicit Discharge Detection and Elimination Plan
- MCM 4: Construction Oversight Program
- MCM 5: Post-Construction Stormwater Management Plan
- MCM 6: Pollution Prevention and Good Housekeeping
  - Bay Park Sewage Treatment Plant SWPPP
  - Best Management Practices for Sand/Salt Use
  - Cedar Creek Water Pollution Control Plant SWPPP
  - Glen Cove Wastewater Treatment Plan SWPPP
  - Generic Operational SWPPP for Department of Parks, Recreation and Museum Facilities
  - Generic Operational SWPPP for Nassau County Police Department Facilities
  - Generic Operational SWPPP for Department of Public Works Facilities
  - Generic Operational SWPPP for Nassau County's Sheriff's Department Facilities
  - Generic Best Management Practices for Municipal Facilities/Operations
  - Integrated Pest Management Program
  - Stormwater Best Management Practices Maintenance Manual
  - Street Sweeping Procedures



## Appendix B

### MCM 1: Public Education and Outreach Program

#### **Continue from 2015 Permit**

Nassau County will continue to implement its education and outreach program to increase public awareness of pollutant generating activities and behaviors. As defined in the Agreements between the County and its partners (Nassau County Soil and Water Conservation District, Hempstead Harbor Protection Committee, Oyster Bay/Cold Spring Harbor Protection Committee, and Manhasset Bay Protection Committee), Nassau County will inform the public about the impacts of stormwater on water quality, the general sources of stormwater pollutants, and the steps the general public can take to reduce pollutants in stormwater runoff.

The County and its partners will prepare and update a **Public Education and Outreach Program Plan** to comply with the milestones and standards defined by NYSDEC.

#### **Completed July 3, 2024** (within six months of EDC)

- Make information related to the prevention of illicit discharges available to municipal employees, businesses, and the public and document the completion of this requirement in the SWMP Plan.



## Appendix C

### MCM 2: Public Involvement/Participation Plan

#### **Continue from 2015 Permit**

Nassau County will continue to provide opportunities to involve the public in the development, review, and implementation of the SWMP. As defined in the Agreements between the County and its partners (Nassau County Soil and Water Conservation District, Hempstead Harbor Protection Committee, Oyster Bay/Cold Spring Harbor Protection Committee, and Manhasset Bay Protection Committee), Nassau County will give the public the opportunity to include their opinions in the implementation of this SPDES general permit.

The County and its partners will prepare a Public Involvement/Participation Plan and regularly update the Plan to comply with the following milestones and standards defined by NYSDEC.

#### **Active January 3, 2024 (EDC)**

- Annually provide an opportunity for public involvement/participation in the development and implementation of the SWMP. The opportunities for public involvement/participation are as follows:
  - Citizen advisory group on stormwater management;
  - Public hearings or meetings;
  - Citizen volunteers to educate other individuals about the SWMP;
  - Coordination with other pre-existing public involvement/participation opportunities;
  - Reporting concerns about activities or behaviors observed; or
  - Stewardship activities.
  
- Annually inform the public of the opportunity for their involvement/participation in the development and implementation of the SWMP and how they can become involved. The methods for distribution are as follows:
  - Public notice;
  - Printed materials (e.g., mail inserts, brochures and newsletters);
  - Electronic materials (e.g., websites, email listservs);
  - Mass media (e.g., newspapers, public service announcements on radio or cable);
  - Workshops or focus groups;
  - Displays in public areas (e.g., town halls, library, parks); or
  - Social Media (e.g., Facebook, Twitter, blogs).
  
- Annually provide an opportunity for the public to review and comment on the publicly available SWMP Plan. The public must have the ability to ask questions and submit comments on the SWMP Plan.

- Annually provide an opportunity for the public to review and comment on the draft Annual Report by either of the following two options:
  - Presentation of the draft Annual Report at a regular meeting of an existing board (e.g., administrative, planning, zoning) or a separate meeting specifically for stormwater. The public must have the ability to ask questions about and make comments on the draft Annual Report during that presentation; or
  - Posting of the draft Annual Report on a public website. The website must provide information on the timeframes and procedures to submit comments and/or request a meeting. If a public meeting is requested by two or more persons, the County shall hold such a meeting.
  
- Annually include a summary of comments received on the SWMP Plan and draft Annual Report in the SWMP Plan. Within thirty days of when public input is received, the County shall update the SWMP Plan, where appropriate, based on the public input received.

**Completed July 3, 2024** (within six months of EDC)

- Identify a local point of contact to receive and respond to public concerns regarding stormwater management and compliance with permit requirements. The name or title of this individual, with contact information, must be published on public outreach and public participation materials and documented in the SWMP Plan.





## Appendix D

### MCM 3: Illicit Discharge Detection and Elimination Plan

#### Continue from 2015 Permit

Nassau County will continue to implement and enforce a program which systematically detects, tracks down, and eliminates illicit discharges to the MS4. Nassau County will manage the MS4 so it does not convey pollutants associated with flows other than those directly attributable to stormwater runoff. The County will continue to perform the following activities to pursue this goal:

- Maintain the Illicit Discharge Hotline and email address on the main Stormwater Management Program page of the County website.
- Evaluate each report to the Hotline and direct the response to public concerns regarding stormwater management and compliance with permit requirements.
- Maintain a log of each report and follow up activities through to closure, including completion of any remedial actions.
- Continue the current program of Outfall Reconnaissance Inventory on a rotating five-year cycle consistent with the EPA publication entitled "Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessment."

The County will update its **Illicit Discharge Detection and Elimination Plan** to comply with the milestones and standards defined by NYSDEC. When milestones are complete, the County will revise this Appendix within the SWMP Plan and post for public review.

#### Completed July 3, 2024 (within six months of EDC)

- I. Establish and document in the SWMP Plan an email or phone number (with message recording capability) for the public to report illicit discharges. Within thirty days of an illicit discharge, the County shall document each report of an illicit discharge in the SWMP Plan with the following information:
  - Date of the report;
  - Location of the illicit discharge;
  - Nature of the illicit discharge;
  - Follow up actions taken or needed (including response times); and
  - Inspection outcomes and any enforcement taken.

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## **Inventory of Monitoring Locations**

Nassau County maintains and annually reviews a list of monitoring locations. The County maintains the following information for each location:

- Inventory information for MS4 outfalls
  - ID;
  - Prioritization (high or low);
  - Type of monitoring location;
  - Name of the County facility, if located at a County facility;
  - Receiving waterbody name and class;
  - Receiving waterbody WI/PWL Segment ID;
  - Land use in drainage area;
  - Type of conveyance (open drainage or closed pipe);
  - Material;
  - Shape;
  - Dimensions;
  - Submerged in water; and
  - Submerged in sediment.
- Inventory information for interconnections
  - ID;
  - Prioritization (high or low);
  - Type of monitoring location;
  - Name of MS4 Operator receiving discharge or private storm system;
  - Name of MS4 Operator's municipal facility, if located at a municipal facility; and
  - Receiving waterbody name and class.
- Inventory information for municipal facility intraconnections
  - ID;
  - Prioritization (high or low);
  - Type of monitoring location;
  - Name of MS4 Operator's municipal facility; and
  - Receiving waterbody name and class.



## Appendix E

### MCM 4: Construction Site Stormwater Runoff Control Plan

#### Continue from 2015 Permit

Nassau County will continue to implement and enforce a program to ensure construction sites are effectively controlled. Nassau County will prevent pollutants from construction related activities, as well as promote the proper planning and installation of post-construction SMPs. The County will continue to perform the following activities to pursue this goal:

- Work with the Nassau County Soil and Water Conservation District to establish the erosion and sediment control training course and offer it on a routine basis for construction site operators working in Nassau County.
- Require construction site operators working on County jobs to complete and maintain erosion and sediment control training.
- Enforce the Nassau County Department of Public Works Drainage Requirements that pertain to new construction and existing site redevelopment that is adjacent to Nassau County roads, property, or easements.
- Perform inspections of stormwater pollution prevention practices in use on all construction sites owned/operated by the County.

The County's construction site stormwater runoff control program addresses stormwater runoff to the MS4 from sites with construction activities permitted, approved, funded, or owned/operated by County that result in a total land disturbance of greater than or equal to one acre; or disturb less than one acre if part of a larger common plan of development or sale. For construction activities where the County is listed as the owner/operator on the Notice of Intent (NOI) for coverage under the CGP, the County must ensure compliance with the CGP.

The County will update its activities associated with its **Construction Oversight Program** to comply with the milestones and standards defined by NYSDEC. When milestones are complete, the County will revise this Appendix within the SWMP Plan and post for public review.

#### Completed July 3, 2024 (within six months of EDC)

- Establish an email or phone number (with message recording capability) for the public to report complaints related to construction stormwater activity. the County shall document each report of a construction site complaint in the SWMP Plan with the following information:
  - Date of the report;
  - Location of the construction site;
  - Nature of complaint;
  - Follow up actions taken or needed; and
  - Inspection outcomes and any enforcement taken.

- Develop and maintain an inventory of all applicable construction sites in the SWMP Plan and update annually if projects are approved or completed.

**Additional requirements for construction oversight for construction activities where the County is not listed as the owner/operator on the NOI for coverage under the CGP:**

- Ensure individual(s), responsible for reviewing SWPPPs for acceptance, receive four hours of Department endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District. This training must be completed within three years of the EDC and every three years thereafter. Document and update annually the names, titles, and contact information for the individuals who have received the trainings.
- Ensure SWPPP reviewers receive this training prior to conducting SWPPP reviews for acceptance.
- Ensure individuals responsible for reviewing SWPPPs review all SWPPPs for applicable construction activities, and for conformance with the requirements of the CGP.
- Prior to commencement of construction activities, the County must ensure a pre-construction meeting is conducted.
- Ensure individual(s), responsible for construction site inspections, receive four hours of Department endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District. This training must be complete, within three years of the EDC and every three years thereafter. Document and update annually the names, titles, and contact information for the individuals who have received the trainings.
- Annually inspect all sites with construction activity identified in the inventory during active construction after the pre-construction meeting, or sooner if deficiencies are noted that require attention. Follow up to construction site inspections must confirm corrective actions are completed within timeframes established by the CGP and the County's ERP.
- Document all inspections using the NYSDEC Construction Site Inspection Report Form.
- Ensure a final construction site inspection is conducted and documentation of the final construction site inspection is documented using the NYSDEC Construction Site Inspection Report Form or accept the construction site owner/operator's qualified inspector final inspection certification required by the CGP. The Notice of Termination (NOT) shall be signed by the County as required by the CGP for projects determined to be complete.

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### **Inventory of County Construction Activities**

Nassau County maintains and annually reviews a list of construction sites that have the potential to discharge stormwater to the MS4 with construction activities permitted, approved, funded, or owned/operated by the County. The County maintains the following information for each location:

- Location of the construction site;
- Owner/operator contact information, if other than the County;
- Receiving waterbody name and class;
- Receiving waterbody WI/PWL Segment;
- Prioritization (high or low);
- Construction project SPDES identification number;
- SWPPP approval date;
- Inspection history, including dates and ratings (satisfactory, marginal, or unsatisfactory, when available); and
- Current status of the construction site/project.



## Appendix F

### MCM 5: Post-Construction Stormwater Management Plan

#### **Continue from 2015 Permit**

Nassau County will implement and enforce a program to ensure proper operation and maintenance of post-construction SMPs for new or redeveloped sites. Nassau County will promote the long-term performance of post-construction SMPs in removing pollutants from stormwater runoff.

Nassau County shall address stormwater runoff to the MS4 from publicly owned/operated post-construction SMPs. The County will continue to perform the following activities to pursue this goal:

- Maintain an up-to-date inventory of County-owned or operated SMPs installed after March 10, 2003.
- Implement a program of periodic inspections of County-owned or operated SMPs to monitor condition.
- Perform maintenance of County-owned or operated SMPs as determined by periodic inspections.
- Review post-construction SMP SWPPPs consistent with the MS4 Permit standards for qualifications of SWPPP reviewer and the NY Stormwater Management Design Manual.

The County will update its activities associated with its Post-Construction Stormwater Management Plan to comply with the milestones and standards defined by NYSDEC. When milestones are complete, the County will revise this Appendix within the SWMP Plan and post for public review.

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#### **Inventory of County Post-Construction SMPs**

Nassau County maintains and annually reviews a list of County owned/operated post-construction SMPs that have been installed as part of any CGP covered construction site or individual SPDES permit since March 10, 2003, and constructed as part of the construction site stormwater runoff control program. The County maintains the following information for each location:

- Street address or tax parcel;
- Type;
- Receiving waterbody name and class;
- Receiving waterbody WI/PWL Segment ID
- Date of installation or discovery;
- Ownership;
- Responsible party for maintenance;
- Contact information for party responsible for maintenance;

- Location of documentation depicting O&M requirements and legal agreements for post-construction SMP;
- Frequency for inspection of post-construction SMP;
- Reason for installation;
- Date of last inspection;
- Inspection results; and
- Any corrective actions identified and completed.





## Appendix G

### MCM 6: Pollution Prevention and Good Housekeeping Plan

#### Continue from 2015 Permit

Nassau County will implement a pollution prevention and good housekeeping program for County facilities and County operations to minimize pollutant discharges. Nassau County will ensure the County's own activities do not contribute pollutants to surface waters of the State. The County will continue to perform the following activities to pursue this goal:

- Train County staff on stormwater management, pollution prevention, and SMPs.
- Perform annual inspections of County facilities.

The County will update its activities associated with its Pollution Prevention and Good Housekeeping Plan to comply with the milestones and standards defined by NYSDEC. When milestones are complete, the County will revise this Appendix within the SWMP Plan and post for public review.

#### Completed July 3, 2024 (within six months of EDC)

- Develop and implement procedures for sweeping and/or cleaning municipal streets, bridges, parking lots, and rights-of-way owned/operated by Nassau County. Annually, from April 1 through October 31, roads in business and commercial areas must be swept. This requirement is not applicable to: i) Uncurbed roads with no catch basins; ii) High-speed limited access highways; or iii) Roads defined as interstates, freeways and expressways, or arterials by the USDOT.

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#### Inventory of County Facilities

Nassau County maintains and annually reviews a list of all County facilities. The County maintains the following information for each location:

- Name of municipal facility;
- Street address;
- Type of municipal facility;
- Prioritization (high or low);
- Receiving waterbody name and class;
- Receiving waterbody WI/PWL Segment ID;
- Contact information;
- Responsible department;

- Location of SWPPP (if high priority; when completed);
- Type of activities present on site;
- Size of facility (acres);
- Date of last assessment;
- BMPs identified; and
- Projected date of next comprehensive site assessment depending on the municipal facility prioritization.



## Appendix H

### Enhanced Requirements for Impaired Waters

**Active January 3, 2024**

When planning upgrades to municipal facilities in sewersheds to impaired waters (as defined in Appendix C of the MS4 Permit), the County shall incorporate, where feasible, cost-effective runoff reduction techniques during planned municipal upgrades including municipal rights-of-way (e.g., bioswales, green streets, porous pavement, replacement of closed drainage with grass swales, replacement of the existing islands in the parking lots with bioretention or curb cuts to route the flow through below-grade infiltration areas or other low-cost improvements that provide runoff treatment or reduction).

**Completed July 3, 2024** (within 6 months of EDC)

- **Public Education and Outreach.** Make available information on how each impairment is being addressed by implementation of the County’s Drainage Ordinance.
- **Pollution Prevention and Good Housekeeping.** For areas discharging to water bodies impacted by **pathogens**, the County shall identify municipal facilities with nuisance bird populations that have the potential to contribute pathogens. The County shall make signage available at these municipal facilities, instructing the public not to feed wildlife and remove accumulated trash and debris from municipal facilities when necessary to eliminate potential food sources for wildlife.

**Table H. Water Body Impairments and Mapping Requirements**

Impaired Water Body	Phosphorus	Silt/Sediment	Pathogens	Nitrogen	Floatables	Sewershed, MS4 infrastructure, ADA outfalls	Retail/wholesale plant nurseries	Commercial lawn care facilities	Golf courses	SPDES MSGPs (Sectors C, E, I & J)	Sanitary sewer overflows	Waterfowl congregation areas	Pets and domestic animals	Waste disposal areas
Beaver Lake	√					√	√	√	√					
Camaans Pond	√					√	√	√	√					
Cold Spring Harbor and tidal tribs			√			√					√	√	√	√
Dosoris Pond			√			√					√	√	√	√
East Bay			√			√					√	√	√	√
East Meadow Brook, Upper and tribs		√				√				√				
East Rockaway Inlet			√			√					√	√	√	√
Glen Cove Creek, Lower, and tribs		√	√			√				√	√	√	√	√

Impaired Water Body	Phosphorus	Silt/Sediment	Pathogens	Nitrogen	Floatables	Sewershed, MS4 infrastructure, ADA outfalls	Retail/wholesale plant nurseries	Commercial lawn care facilities	Golf courses	SPDES MSGPs (Sectors C, E, L & J)	Sanitary sewer overflows	Waterfowl congregation areas	Pets and domestic animals	Waste disposal areas
Grant Park Pond	√					√	√	√	√					
Hempstead Bay			√			√					√	√	√	√
Hempstead Harbor, north and tidal tribs			√			√					√	√	√	√
Hempstead Harbor, south and tidal tribs			√			√					√	√	√	√
Hempstead Lake	√					√	√	√	√					
Long Island Sound, Nassau County Waters				√		√	√	√	√					
Manhasset Bay and tidal tribs (1702-0021)			√			√					√	√	√	√
Manhasset Bay and tidal tribs (1702-0141)			√			√					√	√	√	√
Massapequa Creek and tribs	√		√			√	√	√	√		√	√	√	√
Middle Bay			√			√					√	√	√	√
Milburn/Parsonage Creeks, Upp, and tribs	√					√	√	√	√					
Mill Neck Creek and tidal tribs			√			√					√	√	√	√
Oyster Bay Harbor			√			√					√	√	√	√
Reynolds Channel, east			√			√					√	√	√	√
Seafords/Seamans Creeks, Upper and tribs			√			√					√	√	√	√
Shell Creek and Barnums Channel			√			√					√	√	√	√
South Oyster Bay			√			√					√	√	√	√
Tidal Tribs to Hempstead Bay			√	√		√	√	√	√		√	√	√	√
Tidal Tribs to South Oyster Bay			√			√					√	√	√	√
Tribes (fresh) to East Bay	√	√	√			√	√	√	√	√	√	√	√	√
Tribes to Smith Pond/Halls Pond	√					√	√	√	√					
Woodmere Channel				√		√	√	√	√					