
Stormwater Management Program Plan

Edgemont Union Free School District

Westchester County, New York

MS4 Permit No. NYR20A406

Prepared for

Edgemont Union Free School District

300 White Oak Lane

Scarsdale, NY 10583

August 2024

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300 White Oak Lane
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LIST OF ACRONYMS

BMP	Best Management Practice
EPA	Environmental Protection Agency
ERP	Enforcement Response Plan
IDDE	Illicit Discharge, Detection and Elimination
MCM	Minimum Control Measures
MEP	Maximum Extent Practicable
MOA	Memorandum of Agreement
MS4s	Municipal Separate Storm Sewer Systems
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
NYSDEC	New York State Department of Environmental Conservation
O&M	Operations & Maintenance
SPDES	State Pollutant Discharge Elimination System
SWMP	Stormwater Management Program
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
UFSD	Union Free School District

STAFFING PLAN / ORGANIZATIONAL CHART

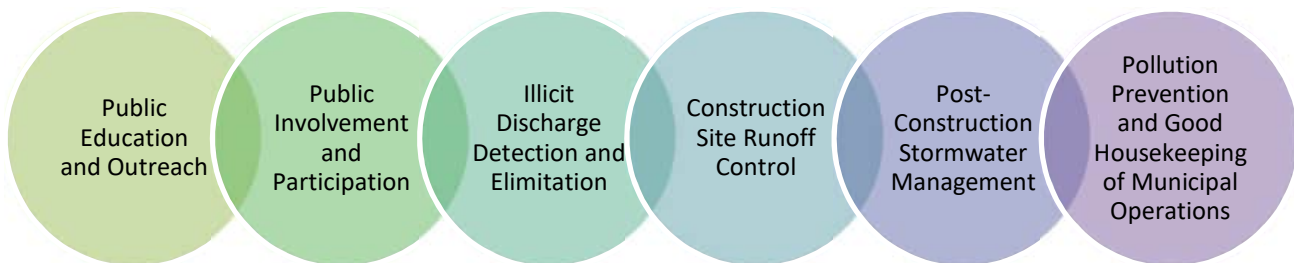
Table 1: Staffing Plan		
Name	Job Title	Roles / Responsibilities Regarding the Elements Of The SWMP
Rosario Renda	Director Of Facilities rrenda@edgemont.org (914) 472-7767	Public Contact, SWMP Coordinator, Signatory
Marina Franco	Senior Office Assistant Automated Systems mfranco@edgemont.org (914) 725-1500	Secondary contact
David Hanny	Vice President dhanny@bartonandloguidice.com (585) 325-7190	MS4 Consultant

1.0 INTRODUCTION

The Edgemont Union Free School District (Edgemont UFSD) Stormwater Management Program (SWMP) Plan was developed to comply with the New York State Department of Environmental Conservation (NYSDEC) General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), GP-0-24-001 or its successor (**Appendix A**). The SWMP Plan is reassessed on an annual basis and updated as needed to improve its effectiveness, monitor progress, and account for any changes in the regulations and guidance provided by NYSDEC. A blank form for completing the self assessment evaluation, as well as the Edgemont UFSD's annual evaluation of the previous year's SWMP is attached as **Appendix B**.

The State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Small MS4s was promulgated by NYSDEC in 2002 and required regulated MS4s (those with a minimum population density of 1000 people per square mile and located in urban areas with a population of 50,000 or more as defined by the U.S. Census Bureau) to develop and fully implement a SWMP Plan. Edgemont UFSD meets the population threshold and density criteria regulated under Phase II of the Stormwater Program as a non-traditional MS4 Operator; therefore, a Notice of Intent (NOI) was submitted for continued coverage under the GP-0-24-001 MS4 Permit (Permit No. NYR20A406).

Phase II of the Federal Stormwater Final Rule identifies six program elements designed to reduce the discharge of pollutants to the maximum extent practicable (MEP). The program elements, known as Minimum Control Measures (MCMs), include:

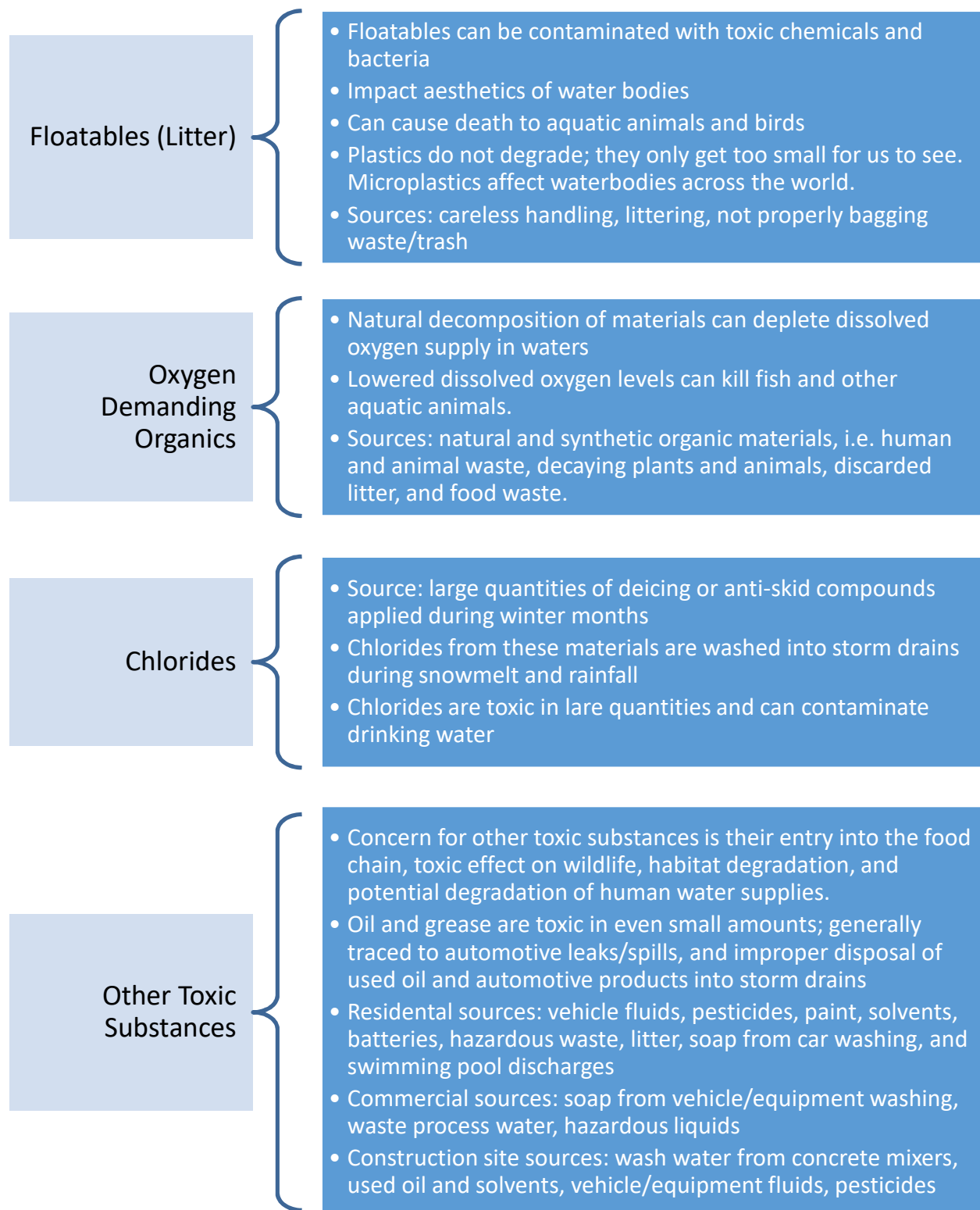


The purpose of this SWMP Plan is to outline the specific goals and measures the Edgemont UFSD intends to implement on an annual basis to meet each of the six MCMs.

1.1 Stormwater Pollutants of Concern and Their Sources

Stormwater runoff from impervious and developed surfaces carries large amounts of various pollutants to the surface waters of the United States. Among these pollutants are nutrients, silt and sediment, pathogens, oil/grease, metals, and floatables (debris and litter). Fecal coliform is of particularly high concern to the waterbodies receiving discharges from the Edgemont UFSD MS4.





2.0 IMPAIRED WATERS

There are heightened requirements for impaired waters that are listed in Appendix C of the MS4 Permit (the MS4 Permit is included in **Appendix A** of this SWMP). The Edgemont UFSD MS4 directly discharges to one of the MS4 Permit Appendix C impaired waters. As a result of these discharges to designated impaired waters, Edgemont UFSD is subject to additional MS4 requirements as identified in Part VIII of the MS4 Permit. Additional information on these enhanced requirements is outlined in detail in subsequent sections of this SWMP Plan. Information regarding impaired waters listed in Appendix C of the MS4 permit which receive discharges from Edgemont UFSD is provided in Table 2.

Table 2. Appendix C 303d Listed Waterbodies in the Edgemont UFSD		
Pollutant of Concern	Affected Waters and Associated PWI ID	Water Quality Classifications
Fecal Coliform	Bronx River, Upper and Tributaries (1702-0107)	C

The NYSDEC maintains a separate list of impaired waters known as the 303(d) list. Although waterbodies on the 303(d) list do not have heightened MS4 Permit requirements, they do indicate waters that are unable to meet the uses designated by their Water Quality Classifications, whether these uses include drinking water (Class A), primary contact recreation (Class B), or secondary contact recreation (Class C). Sources of impairment to water quality include specific Pollutants of Concern. The Edgemont UFSD has prioritized these pollutants as part of their stormwater program, although all of the pollutants mentioned in Section 1.1 warrant consideration.

The following are Pollutants of Concern that the Edgemont UFSD has identified as priorities in the area and the bodies of water to which they pertain:

Table 3. 303d Listed Waterbodies in the Edgemont UFSD and Their Pollutants of Concern		
Pollutant of Concern	Affected Waters (and Associated PWI ID)	Water Quality Classification
Fecal Coliform	Bronx River, Upper and tributaries (1702-0107)	C
Oxygen Demand		

3.0 MAPPING

The current comprehensive system mapping for the Edgemont UFSD includes the information listed below.

- MS4 outfalls
- Interconnections
- Stormwater structures
- Sewersheds
- Conveyance system

The current Edgemont UFSD outfall mapping is included in Appendix C.

3.1 Phase I Mapping (By January 1, 2027)

By January 1, 2027, the comprehensive mapping must include the additional information listed below.

- Monitoring locations, with associated prioritization
- Focus areas
- Publicly owned/operated post-construction stormwater management practices (SMPs)
- Municipal facilities

3.2 Phase II Mapping (By January 1, 2029)

By January 1, 2029, the comprehensive mapping must include the additional information listed below.

- Privately owned/operated post-construction SMPs which discharge to the MS4

The current Edgemont UFSD outfall mapping is included in **Appendix C**. Additional comprehensive mapping system criteria required by January 1, 2027, due to impaired waters discharges are outlined in **Section 3.3**.

3.3 Enhanced Mapping Requirements for Impaired Waters

In addition to the standard mapping requirements for all MS4s covered under the MS4 Permit, enhanced mapping criteria is also required for MS4s which directly discharge to impaired waterbodies identified in Appendix C of the MS4 Permit. In accordance with Part VIII of the MS4 permit, the Edgemont UFSD is subject to the following additional mapping requirements to reduce and pathogen (fecal coliform) discharges.

By January 1, 2027, the following information must be mapped for each outfall:

- MS4 outfalls;
- MS4 infrastructure for each MS4 outfall:

- Conveyance system
 - Type (closed pipe or open drainage)
 - Direction of flow
- Stormwater structures
 - Type (drop inlet, catch basin, or manhole)
 - Number of connections to and from drop inlets, catch basins, and manholes
- Areas with a history of sanitary sewer overflows;
- Waterfowl congregation areas on municipal property or right of way;
- Areas where pets/domestic animals may frequent (i.e., public trails, dog parks, and zoos); and
- Waste disposal areas (e.g., active landfills, transfer stations).

The Edgemont UFSD is working to update their mapping in accordance with the timeframes outlined above for the Phase I, II, and impaired waters enhanced mapping requirements.

4.0 MINIMUM CONTROL MEASURE 1. PUBLIC EDUCATION AND OUTREACH.

The Public Education and Outreach Minimum Control Measure involves planning and conducting an ongoing education and outreach program to inform their employees, students, visitors, and contractors for the UFSD (referred to as the public) of the impacts of stormwater discharges on water bodies, Pollutants of Concern and their sources, geographic areas of concern, and behaviors that can be adopted to reduce the discharge of pollutants to the stormwater drainage system. The goal of public education and outreach is to inform the audiences listed above about the impact of stormwater on water quality, sources of stormwater pollutants, and steps individuals can take to reduce pollutants in stormwater runoff.

Edgemont UFSD is assessing the success of Minimum Control Measure 1 through identifying the applicable target audiences and associated pollutant generating activities that the outreach and education will address for each focus area identified.

4.1 Focus Areas

Edgemont UFSD considers the following focus areas to be important to focus on for reducing pollutants in stormwater runoff:

- Areas discharging to waters with Class AA-S, A-S, AA, A, B, SA, or SB: None currently identified within Edgemont UFSD
- Sewersheds for impaired waters listed in Appendix C of the MS4 Permit: Edgemont UFSD discharges to the Upper Bronx River and tributaries
- Sewersheds for impaired waters listed on the NYSDEC's 303(d) list:
 - Bronx River, Upper and Tributaries (1702-0107)
- Total Maximum Daily Load (TMDL) watersheds: Edgemont UFSD is within the Long Island Sound TMDL watershed
- Areas with construction activities: Refer to **Appendix D** for a listing of active construction sites.
- Areas with on-site wastewater systems: None currently identified within Edgemont UFSD
- Residential, commercial, and industrial areas: None currently identified within Edgemont UFSD
- Stormwater hotspots (in progress)
- Areas with illicit discharges (in progress)

4.2 Target Audiences

The Edgemont UFSD considers the following audiences to be of applicable for the education and outreach program to result in water resources protection and improvement:

- MS4 Operator's faculty and staff
- Residents/Parents
- Institutions' students
- Construction: Developers, contractors, and design professionals that contract with the UFSD

The pollutant generating activities for campus upkeep are household hazardous wastes, auto fluids, fertilizers, and pesticides. The pollutant generating activities for construction areas, when applicable, are erosion and construction hazardous wastes. Education about best management practices (BMPs) is also critical for MS4 Operator staff.

Edgemont UFSD's website (<https://www.edgemont.org>) includes links for the general public to access their latest MS4 Annual Report.

4.3 Education and Outreach Topics

Institutions:

- Education for students about what stormwater runoff is and sources of pollution for stormwater runoff
- Education about at-home practices to reduce stormwater pollution such as properly disposing leftover paint and household chemicals, disposal of pet-waste, not feeding water fowl, landscaping and lawn care, car washing, litter management, trash disposal, etc.
- Stormwater projects that can be done to reduce stormwater runoff such as building a rain garden, planting trees, etc.

Construction:

- Education about Stormwater Pollution Prevention Plans (SWPPP)
- Education about erosion and sediment control best management practices

Edgemont UFSD Staff:

- Education about SWPPPs
- Education about erosion and sediment control best management practices

- Education about post-construction stormwater management practices and when they are needed
- Illicit discharge detection and elimination (IDDE) requirements.

An educational message will be delivered using the methods listed below for each focus area at least once every five years.

- Printed materials (e.g., mail inserts, brochures, and newsletters)
- Electronic materials (e.g., websites, email lists)
- 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)
- Social Media (e.g., Facebook, Twitter, blogs)

4.4 Illicit Discharge Education

A critical aspect of Minimum Control Measure 1 is the minimization and prevention of illicit discharges. Information regarding illicit discharges such as types of allowable discharges, definition of illicit discharge and why it is prohibited, the environmental hazards associated with illicit discharges, proper handling and disposal practices for wastes that result in illicit discharges, and reporting illicit discharges, will be made available to district employees, students, and general public. Education topics can be accessed by the links in the table below.

4.5 Enhanced Public Education and Outreach Requirements for Impaired Waters

The Edgemont UFSD MS4 directly discharges to an impaired waterbody identified in Appendix C of the MS4 Permit; therefore, in accordance with Part VIII of the MS4 Permit, Edgemont UFSD is subject to enhanced public education and outreach requirements to reduce pathogen (fecal coliform) contributions from the MS4.

Edgemont UFSD will make available information on how pathogen impairments are being addressed by implementation of the district's legal enforcement mechanism with content equivalent to the model local laws referenced in the MS4 Permit. Although Edgemont UFSD does not hold the legal capacity to enact ordinances, alternate means of legal enforcement of MS4 requirements equivalent to the model IDDE and construction runoff local laws are discussed in greater detail in subsequent sections of this SWMP Plan.

Following completion of MS4 mapping by January 1, 2027, Edgemont UFSD must provide educational messages twice annually (once from March to August and once from September to February) with information specific to reduction of pathogen (fecal coliform) loading within

sewersheds discharging to the following waterbodies identified in Appendix C of the MS4 Permit:

- Bronx River, Upper and tributaries (1702-0107)

The changes to the public education and outreach program will be reflected in this SWMP Plan following program development and implementation by January 1, 2027.

4.5 Permit Implementation Goals

Table 4 below lists the public education and outreach implementation goals to ensure compliance with GP-0-24-001 requirements.

Table 4: Public Education and Outreach Implementation Goals		
Implementation Goal	Deadline	Status
Make information related to illicit discharge prevention available to municipal employees, businesses, & the public & document completion in the SWMP	7/1/24	Information available at: https://www.edgemont.org/departments/facilities-clone/water-quality-testing-and-lab-reports
Make available information on how the impairment is being addressed by implementation of the MS4 Operator's legal mechanism equivalent to the model local law	7/3/24	Complete – See Section 6.1 & Section 7.0
Identify and document the focus areas in the SWMP	1/1/27	Complete – See Section 4.0 above
Identify & document target audiences & associated pollutant generating activities that the outreach & education will address for each focus area	1/1/27	Underway – See Section 4.0 above, additional targeted education opportunities to be evaluated
Identify & document in SWMP the education and outreach topics. Identify how education and outreach topics will reduce the potential for pollutants to be generated by the target audiences for the focus areas	1/1/27	Underway – See Section 4.0 above, additional targeted education opportunities to be evaluated
Identify & document methods for distributing educational materials	Once every 5 years	Underway – See Section 4.0 above, additional targeted education opportunities to be evaluated
Deliver educational message to each target audience for each focus area based on defined education & outreach topics	Once every 5 years	Underway – See Section 4.0 above, additional targeted education opportunities to be evaluated

Table 4: Public Education and Outreach Implementation Goals		
Implementation Goal	Deadline	Status
Review & update focus areas, target audiences, and educational and outreach topics & document in SWMP	Annually, by 4/1	To be assessed annually as part of SWMP Review
Make available information on how pathogen (fecal coliform) impairments are being addressed by implementation of Edgemont UFSD's legal enforcement mechanism	Annually, by 4/1	Underway – See Section 4.0 above
Provide educational messages twice annually with information specific to reduction of fecal coliform loading within sewersheds discharging to impaired waterbodies	Begin by 1/1/27	Pending following completion of mapping updates

5.0 MINIMUM CONTROL MEASURE 2. PUBLIC INVOLVEMENT AND PARTICIPATION.

The Public Involvement and Participation Minimum Control Measure involves designing and conducting a public involvement/participation program that identifies key individuals and groups who are interested in or affected by the stormwater permitting program; the type of input the MS4 will seek from them and how it will be used; and activities the MS4 will undertake to provide program access and gather needed input.

5.1 Public Involvement / Participation

Edgemont UFSD has identified the following point of contact to receive and respond to public concerns regarding stormwater management and compliance with permit requirements (to be updated on Edgemont UFSD's website at: <https://www.edgemont.org>):

Name:	Rosario Renda
Title/Position:	Director of Facilities
Telephone:	914-472-7767
E-Mail:	rrenda@edgemont.org

5.2 Public Notice and Input

Edgemont UFSD will post its stormwater management plan and annual report for public review and comment on its website at <https://www.edgemont.org/departments/facilities-clone/notifications>. Copies of the report will also be available for public review at the Edgemont UFSD administrative office located at 200 White Oak Lane, Scarsdale NY 10583.

The Edgemont UFSD will develop a summary of all public comments received and intended responses. Forms for documenting public comments, completed summaries of public comments, and the response document are attached as **Appendix E**.

The opportunities for public involvement/participation in the development and implementation of the SWMP are shown below.

- 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
- Stewardship activities

The methods of informing the public of the opportunity for their involvement/participation in the development and implementation of the SWMP are shown below.

- Public notice

- Printed materials (e.g., mail inserts, brochures and newsletters)
- Electronic materials (e.g., websites, email lists)
- 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)
- Social Media (e.g., Facebook, Twitter, blogs)

A summary of the comments received on the SWMP and draft Annual Report are shown in **Appendix E**.

5.3 Permit Implementation Goals

Edgemont UFSD is assessing compliance with the requirements of GP-0-24-001 through the following implementation goals:

Table 5: Public Involvement and Participation Implementation Goals		
Implementation Goals	Deadline	Status
Provide an opportunity for public involvement and implementation of the SWMP & document in the SWMP	Annually, by 4/1	Complete: SWMP is available at 200 White Oak Lane, Scarsdale NY 10583
Inform public of opportunity for involvement/participation in development & implementation of the SWMP and how to become involved		
Provide opportunity for public to review & comment on publicly available SWMP		
Provide an opportunity for public to review & comment on draft Annual Report		Draft Annual Reports will be available on the Edgemont UFSD website (https://www.edgemont.org) and at 200 White Oak Lane, Scarsdale NY 10583
Include summary of comments received on SWMP & draft Annual Report in SWMP Plan.	Within 30 days of receiving public input	To be completed annually based on comments received.
Update SWMP, where appropriate, based on public input received		

6.0 MINIMUM CONTROL MEASURE 3. ILLICIT DISCHARGE DETECTION AND ELIMINATION.

The IDDE aspect of the MS4 stormwater program is focused on identifying and removing non-stormwater flows from the stormwater system in situations in which they contribute to stormwater pollution.

Permit requirements addressed by this SWMP include:

- Adoption and implementation of legal mechanism prohibiting illicit discharges to the MS4;
- Mapping and characterization of stormwater outfalls;
- Mapping of storm sewersheds;
- Identification of probable sources of illicit discharges in the community to target;
- Outfall reconnaissance to identify dry-weather flows and other evidence of illicit discharges;
- Tracking of illicit discharges through the drainage system to determine their source;
- Elimination of discharges, including illegal dumping and illicit connections to the drainage system, through voluntary compliance or enforcement action;
- Outreach to municipal employees and the public about the hazards of illicit discharges.

6.1 Illicit Discharge Policy and Enforcement



As a non-traditional MS4 that does not have land use control capabilities, the Edgemont UFSD is required to develop alternate mechanisms such as policies, procedures, standards or specific contract language and include such requirements in lease agreements, bid specifications, contracts, and/or permits applicable to the district's campuses. The Edgemont UFSD has drafted and a written stormwater policy prohibiting illicit discharges to the separate storm sewer system in accordance with the MS4 Permit requirements. These IDDE policies will be reviewed by an attorney to certify that they are equally as stringent as the illicit discharge model local law provided in GP-0-24-001. It should be noted that, as these policies are only legally enforceable through integration into lease agreements, bid specifications, contracts, and/or permits, the only parties subject to legal enforcement due to policy violations would be Edgemont UFSD campuses and district-administered projects and contracts. A copy of the attorney certification will be provided in **Appendix F** following review and certification.

Enforcement actions as specified in the Edgemont UFSD stormwater policies will be documented and a summary form denoting the status of outfalls with suspected confirmed illicit discharges and the progress made toward eliminating them will be maintained (the blank form and completed summary documentation are included as **Appendix G**).

6.2 Illicit Discharges and Acceptable Discharges

Procedures must be implemented for targeting types of illicit discharges believed to be most common or likely in the MS4 in question. Based on guidance provided in the document "Illicit

Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments” (EPA 2004), Edgemont UFSD has determined that the following sources either contribute to pollution and are illicit discharges, or do not significantly contribute to pollution:

	
<p>Acceptable Discharges, Not Substantially Contributing to Pollution:</p> <ul style="list-style-type: none"> Water line flushing Diverted stream flows Uncontaminated groundwater infiltration Rising groundwaters and springs Discharges from potable water sources, including <u>dechlorinated</u> water reservoir discharges Foundation drains, footing drains, & crawl space/basement sump pumps A/C condensate Lawn/landscape irrigation runoff, <u>if pesticide & fertilization done properly</u> Flows from riparian habitats/wetlands <u>Dechlorinated</u> swimming pool discharges Residual street wash water Discharges/flows from firefighting activities Any SPDES permitted discharge 	<p>Illicit Discharges, Contribute to Pollution:</p> <ul style="list-style-type: none"> Cross-connections (sanitary or septic) Landscaping irrigation Residential or Fundraiser car washing <u>Chlorinated</u> swimming pool discharges Vehicle fueling

6.3 Public Reporting of Illicit Discharges

The Facilities Department will respond to calls and tips from the public about potential illicit discharges. The facilities department can be contacted by phone at (914) 472-7767, or online at rrenda@edgemont.org.

6.4 Monitoring Location Inventory

Edgemont UFSD developed an inventory of monitoring locations within the MS4, including MS4 outfalls, interconnections, and municipal facility interconnections. These monitoring locations must be assigned a prioritization level based on the NYSDEC requirements. According to GP-0-24-001, high priority monitoring locations include monitoring locations:

- At a high priority municipal facility (See Section 9.2.1);
- Discharging to impaired waters;
- Discharging within a TMDL watershed;

- Discharging to waters with Class AA-S, AA, A, B, SA, or SB; and/or
- Confirmed citizen complains on three or more separate occasions in the last twelve (12) months.

All other monitoring locations are considered low priority. The inventory for Edgemont UFSD is located in **Appendix C**.

6.5 Monitoring Location Inspection Program

Edgemont UFSD will inspect outfalls to identify dry weather flows and other indicators of possible illicit discharges, with all outfalls receiving inspections at least once every 5 years with reasonable progress (averaging 20 percent) each year. The condition and type of outfall will be characterized, and dry weather flows or other indicators of possible illicit discharges will be documented. The Edgemont UFSD will be responsible for track down of suspected illicit discharges in an attempt to determine their source, so that they can be readily eliminated.

Training on illicit discharge detection and track-down will be provided by the Edgemont UFSD. The training materials and a list of individuals who have received training from the Edgemont UFSD is in **Appendix H**.

A process to identify and track illicit discharges to their source has been developed and will be implemented. The document “Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments” (EPA 2004 found online at https://www3.epa.gov/npdes/pubs/idde_manualwithappendices.pdf) was used as guidance for completing this process. Procedures for conducting the IDDE Program are outlined in the table below.

Table 6: Procedures for Conducting IDDE Program	
Task	Procedures
Update storm sewer system mapping to reflect the current storm sewer system and amendments reflecting any expansion of, or changes to, the existing storm sewer system.	<ul style="list-style-type: none"> ○ Identify the location of all MS4 outfalls and their contributing drainage areas; assign an outfall ID to all existing and future outfalls operated by the UFSD ○ Identify the location, name, and NYSDEC Waters Index Number of all waters receiving discharges from those outfall pipes. ○ Identify all priority areas identified through the IDDE Program. <ul style="list-style-type: none"> ▪ Identify dry weather field screening stations/locations within identified priority areas
Identify priority areas within the MS4 likely to have illicit discharges. Document identified priority areas and basis of	<ul style="list-style-type: none"> ○ Priority area selection criteria may include: <ul style="list-style-type: none"> ▪ Areas with older infrastructure that are more likely to have illicit connections; ▪ Industrial, commercial, or mixed use areas; ▪ Areas with a history of past illicit discharges; ▪ Areas with a history of illegal dumping;

Table 6: Procedures for Conducting IDDE Program

Task	Procedures
selection (list to be updated twice annually).	<ul style="list-style-type: none"> ▪ Areas with onsite sewage disposal systems; ▪ Areas with older sewer lines or with a history of sewer overflows or cross-connections; and ▪ Areas upstream of sensitive waterbodies. <ul style="list-style-type: none"> ○ Identified priority areas will be tracked through storm sewer mapping
Conduct field screening to detect potential illicit discharges	<ul style="list-style-type: none"> ○ Identify outfall locations for field screening and analytical monitoring within priority areas ○ Identify outfall locations for field screening and analytical monitoring in areas of known non-stormwater discharges outside of designated priority areas ○ Conduct dry weather field screening at each identified screening location at least once per year ○ Sample runoff for analytical monitoring if flow is observed in instances with at least 72 hours of dry weather preceding the monitoring event ○ If laboratory analysis determines samples exceed benchmark concentration levels, or if the non-stormwater discharge is otherwise classified as an illicit discharge, a follow up investigation must be completed ○ Assess the IDDE program annually to determine if updates are needed to the screening location inventory
Identify and locate source of identified illicit discharge (source tracing).	<ul style="list-style-type: none"> ○ Inspect manholes/catch basins (if applicable) within the MS4 network for chemical or physical indicators to isolate illicit discharges to specific network segment(s) ○ Complete desktop review of contributing drainage area to identify sites with high potential of producing the identified discharge ○ Complete on-site investigations using dye testing, smoke testing, video testing, or other appropriate investigative techniques ○ Conduct septic system investigations as needed (if applicable) ○ If the identified illicit discharge is determined to be an authorized discharge outlined in this section, no further action is required.
Eliminate identified illicit discharges at their source.	<ul style="list-style-type: none"> ○ Notify the party responsible for the identified illicit discharge ○ Prescribe corrective actions to be conducted by the responsible party to eliminate the illicit discharge ○ Conduct a follow-up investigation following completion of necessary corrective actions by the responsible party ○ Complete enforcement actions and seek recovery and remediation costs from the responsible party, as needed, in accordance with the local stormwater policy prohibiting illicit discharges.
Complete required tracking and reporting	<ul style="list-style-type: none"> ○ Number and percent of outfalls mapped ○ Number of illicit discharges detected and eliminated ○ Percent of outfalls identified priority outfalls for which field screening has been performed

Table 6: Procedures for Conducting IDDE Program

Task	Procedures
	<ul style="list-style-type: none"> ○ Status of system mapping ○ Dates and details of public education and outreach related to illicit discharge identification and elimination ○ Report on effectiveness of program ○ Document the following for all suspected illicit discharges: <ul style="list-style-type: none"> ▪ Date of illicit discharge observance ▪ Initial investigation results ▪ Follow-up investigation results ▪ Date investigation was closed

6.6 Outfall and Sewershed Mapping

Edgemont UFSD will maintain a stormwater outfall mapping database that is periodically updated to reflect new information uncovered during the UFSD's outfall inspection program or other sources. The storm sewershed mapping database will be maintained utilizing GIS accompanied where necessary by field investigations, including areas extending outside of the urbanized area (to facilitate track down of illicit discharges). The current sewershed mapping is included in **Appendix C**.

6.7 Enhanced IDDE Requirements for Impaired Waters

The Edgemont UFSD MS4 directly discharges to impaired waterbodies identified in Appendix C of the MS4 Permit; therefore, in accordance with Part VIII of the MS4 Permit, Edgemont UFSD is subject to enhanced IDDE requirements to reduce pathogen (fecal coliform) contributions from the MS4.

By January 1, 2029, Edgemont UFSD's MS4 outfall inventory data must include the number of each of the following items identified in **Section 3.3** for each associated outfall:

- Areas with a history of sanitary sewer overflows;
- Waterfowl congregation areas on municipal property or right of way;
- Areas where pets/domestic animals may frequent (i.e., public trails, dog parks, and zoos); and
- Waste disposal areas (e.g., active landfills, transfer stations).

6.8 Permit Implementation Goals

Edgemont UFSD is assessing their compliance with GP-0-24-001 through the following Implementation Goals:

Table 7: Illicit Discharge Detection and Elimination Goals		
Implementation Goal	Deadline	Status
Document each report of an illicit discharge in the SWMP	Within 30 days of an illicit discharge	To be completed as illicit discharges are identified.
Develop & maintain an inventory of the monitoring locations in the SWMP	1/1/27	To be completed.
Update inventory if monitoring locations are created or discovered	Annually, by 4/1	To be completed as new outfalls are identified.
Prioritize monitoring locations included in the inventory	1/1/27	To be completed.
Update prioritization	Annually, by 4/1	Reviewed Annually
Outfall inventory must include areas with a history of sanitary sewer overflows, waterfowl congregation areas on municipal property or right of way, areas where pets/domestic animals may frequent, and waste disposal areas	1/3/29	To be completed
Develop & implement monitoring location inspection and sampling program	1/1/26	To be completed
Inspect each monitoring location in inventory during dry weather	All locations complete every 5 years	To be completed
Provide training on MS4 Operator monitoring location & sampling procedures	Once every 5 years	To be developed
Update names, titles, contact info for individuals who received location inspection & sampling procedures training	Annually, by 4/1	Reviewed Annually
Review & update monitoring location sampling procedures based on monitoring results	1/1/26	To be developed
Develop & implement illicit discharge track down program	1/1/26	Completed
Provide training on MS4 Operator's illicit discharge track down procedures	Once every 5 years	To be developed
Update names, titles, contact info of those that have received track down procedures training	Update annually, by 4/1	Reviewed Annually
Review & update illicit discharge track down procedures & document completion in SWMP	Annually, by 4/1	Reviewed Annually
Develop and implement an illicit discharge elimination program	1/1/26	To be developed

Table 7: Illicit Discharge Detection and Elimination Goals		
Implementation Goal	Deadline	Status
Provide training on the MS4 Operator's illicit discharge elimination procedures	Once every 5 years	To be developed
Update names, titles, and contact info for the individuals who have received illicit discharge elimination procedures training	Annually, by 4/1	Reviewed Annually
Review & update the illicit discharge elimination procedures, & document the completion in the SWMP Plan	Annually, by 4/1	Reviewed Annually
Include in the outfall inventory the number of each pollutant source identified in Section 3.3 for each associated outfall	1/1/29	To be developed following completion of enhanced impaired waters mapping requirements.

7.0 MINIMUM CONTROL MEASURE 4. CONSTRUCTION SITE RUNOFF CONTROL.

The focus of the Construction Site Runoff Control component of the stormwater program is to reduce the discharge of pollutants from active construction sites disturbing one acre or more of land surface, including disturbances of less than one acre that are part of a larger common plan of development or sale, for construction projects initiated by the Edgemont UFSD or occurring on district campuses. The MS4 permit requires development of a stormwater policy for compliance with the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001) and the NYS Standards and Specifications for Erosion and Sediment Control for all construction sites one acre or greater in land disturbance.

Regulated MS4s (with land use control capabilities) are encouraged to address this type of pollution through adoption or amendment of a local law or other regulatory mechanism. As the Edgemont UFSD does not have land use control capabilities, they are required to develop alternate mechanisms such as policies, procedures, standards or specific contract language and include such requirements in lease agreements, bid specifications, contracts, and/or permits applicable to district facilities and projects. The Edgemont UFSD must draft a written stormwater policy to establish minimum construction site stormwater management requirements in accordance with GP-0-20-001 and the NYS Standards and Specifications for Erosion and Sediment Control. The policy must apply to all district-initiated projects and provide equivalent protection to GP-0-20-001. This policy requires specific erosion and sediment controls; construction site waste management; procedures for SWPP plan review and filing; and procedures for site inspection. The Edgemont UFSD will review existing construction stormwater policies in accordance with the requirements outlined in the model local law included in GP-0-24-001. These construction-related stormwater policies will be reviewed by an attorney to certify that they are equally as stringent as the MS4 Permit's model local law. A copy of the attorney certification will be provided in **Appendix F** following review and certification.

The Edgemont UFSD will ensure that all municipal projects are designed and constructed in accordance with SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001, or current version), which is available at <https://dec.ny.gov/environmental-protection/water/water-quality/stormwater/construction-activity-permit>.

Permit requirements addressed by this SWMP include:

- A formal policy requiring that a SWPPP be prepared and implemented for any earth-disturbance activity of one acre or more, in compliance with NYS Standards and Specifications for Erosion and Sediment Control and the general construction permit SPDES GP-0-20-001;
- Procedures for SWPPP submission and review to ensure compliance with permit requirements and design standards, and considering potential water quality impacts;
- Opportunity for public comment on SWPPPs;
- Performance of site inspections to ensure proper implementation of SWPPPs, and maintenance and repair of best management practices as needed;
- Ensuring adequate training for those performing SWPPP reviews and site inspections;

- Ensuring that land contractors performing work in the MS4 have received the required erosion and sediment control training.
- Inventory, inspection tracking and prioritization of construction sites
- Pre-construction oversight requirements
- Enforcement process/expectations for compliance (see Section 10.0)

7.1 Public Reporting of Construction Site Complaints

Edgemont UFSD has identified the Facilities Department as the entity required to receive and respond to complaints related to construction stormwater activity for district initiated land development projects (to be updated on Edgemont UFSD's website at: www.edgemont.org). Construction site complaints that have been reported are documented in **Appendix I**.

Name: Rosario Renda
Title/Position: Director of Facilities
Telephone: 914-472-7767
E-Mail: rrenda@edgemont.org

7.2 Construction Oversight Program

The construction oversight program has a variety of procedures outlined in this section of the report including what types of construction activities require a SWPPP, procedures for submission of SWPPP's, SWPPP review requirements, construction site inspection requirements, construction site close-out requirements, pre-construction oversight requirements, enforcement process for compliance, etc. Pre-construction meetings are required to be conducted prior to commencement of construction activities. The individuals in Edgemont UFSD who have received construction oversight training are:

- 1) Name: Rosario Renda
Title: Director of Facilities
Phone number: (914) 472-7767
Email: rrenda@edgemont.org

7.3 Active Construction Site Inventory, Inspection Tracking and Prioritization

Appendix D summarizes the inventory of all applicable construction sites being progressed by the Edgemont UFSD. The inventory also includes inspection history information and prioritization of the construction sites. The high priority construction sites include construction sites initiated by the Edgemont UFSD that have direct conveyance to a surface water of the state, have greater than 5 acres of disturbed earth at any one time, have earth disturbance within 100 feet of any lake or pond, and/or are within 50 feet of any rivers or streams. All

construction sites that do not fall under any of the high prioritization criteria are considered low priority construction sites.

Training of the MS4 Operator's construction oversight procedures is required prior to any staff conducting any construction oversight activities and the training will be required once every five years. The individuals from Edgemont UFSD who have received the construction oversight training are listed below.

- 1) Name: Rosario Renda
Title: Director of Facilities
Phone Number: (914) 472-7767
Email: renda@edgemont.org

- 2) Name:
Title:
Phone Number:
Email:

7.4 Erosion and Sediment Control Training

The MS4 permit states that four hours of department endorsed training in proper erosion and sediment control principles form a Soil & Water Conservation District, or other Department endorsed entity is required for individuals responsible for reviewing SWPPP's for acceptance or individuals responsible for construction site inspections. NYSDEC-endorsed four-hour erosion and sediment control training courses result in distribution of 3-year term certification cards indicating that an individual has satisfied this requirement.

The individuals who have received the four-hour erosion and sediment control training from the Edgemont UFSD are listed below. For officials that have already been trained, copies of training certificates related to this requirement are included as **Appendix G**.

- 1) Name:
Title:
Phone Number:
Email:
- 2) Name:
Title:
Phone Number:
Email:

7.5 SWPPP Review

Any active construction sites with disturbance of one acre or more requires a SWPPP to be prepared, reviewed, and approved. The SWPPPs are reviewed by the Facilities Department. Consultants and/or contractors completing work for the Edgemont UFSD are required to prepare and submit SWPPPs. The required content for SWPPPs is specified in GP-0-20-001. The SWPPPs for district-initiated projects that have been reviewed are in **Appendix J**.

All SWPPPs must be in compliance with the 2016 NYS Standards and Specifications for Erosion and Sediment Control or current version. The progress of each individual SWPPP through review and approval by Edgemont UFSD staff or their consultants will be documented; this documentation is included as **Appendix J** along with a blank tracking form to be used for this purpose and a SWPPP inspection checklist. As required, the Edgemont UFSD will complete the NYSDEC SWPPP Acceptance Form for each accepted SWPPP. The form will be endorsed by the district's Director of Facilities, Rosario Renda. The original will be given to the applicant to file with his or her NOI to NYSDEC.

7.6 Construction Site Inspections

Edgemont UFSD will maintain a database tracking and inspection of active construction sites for projects initiated by the district (refer to **Appendix D** for active district-initiated construction sites). Annual summaries of construction inspections are provided in **Appendix D** along with forms to be used for inspections of individual sites and for compiling all inspection data. The construction site stormwater runoff control program must address district-initiated construction sites 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 district-initiated construction projects, Edgemont UFSD will check onsite to ensure that construction site operators have 4-hour erosion and sediment control training certification while they are performing work requiring erosion and sediment control. If at least one individual representing a given contractor/company is unable to produce a certification card indicating that he/she has received the required training, the company will be asked to stop work and leave the site until the requirement is fulfilled.

Edgemont UFSD will conduct inspections of active district-initiated construction sites at the following minimum frequency:

- Pre-Construction Meeting: Prior to commencement of construction activities, the MS4 Operator must ensure a pre-construction meeting is conducted. The date and content of the pre-construction inspection/meeting will be documented in **Appendix D**. The owner/operator listed on GP-0-20-001 NOI (if different from the MS4 Operator), the MS4 Operator, contractor(s) responsible for implementing the SWPPP for the

construction activity, and the contractor(s) qualified inspector must attend the meeting in order to:

- Confirm the approved project has received, or will receive, coverage under the GP-0-20-001 or an individual SPDES permit;
 - Verify contractors and subcontractors selected by the owner/operator of the construction activity have identified at least one individual that has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District or other endorsed entity as required by the GP-0-20-001; and
 - Review the construction oversight program (Part VII.D.3. of the MS4 Permit) and expectations for compliance.
- Annual (minimum) Inspections of Construction Activities: Edgemont UFSD will inspect all district-initiated construction sites identified in the inventory (**Appendix D**) 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 GP-0-20-001 and the MS4 Operator's Enforcement Response Plan (ERP – Refer to Section 10). Forms for the MS4 construction site inspections are provided in **Appendix D** and will be maintained following the inspection. The annual MS4 construction inspections will also document that individuals responsible for construction site inspections have their current Four (4) hours of NYSDEC endorsed training in proper erosion and sediment control principles (to be documented in **Appendix D**).
 - Construction Site Closeout: Edgemont UFSD or their MS4 Consultant will conduct final site inspections at district-initiated construction sites prior to close out of their general permit coverage, which is done through filing of a Notice of Termination (NOT). In order to file the NOT, all portions of the site not consisting of buildings or hardscapes must be stabilized with 80 percent density turf or other appropriate vegetation or landscaping. All permanent stormwater management practices and green infrastructure features must be in place and function as intended. At the recommendation of the inspecting Code Enforcement Officer or MS4 Consultant, the Chief Elected Official, will sign off on the NOT so that it can be submitted by the project owner to NYSDEC.

Enforcement actions will be documented and a summary form denoting the status of outfalls with suspected and confirmed illicit discharges and the progress made toward eliminating them will be maintained (the blank form and completed summary documentation are included as **Appendix G**). Edgemont UFSD will follow a series of escalating actions for sites that are in violation. This process is described in Section 10.0.

7.7 Implementation Goals

Edgemont UFSD is assessing their compliance with the requirements of GP-0-24-001 with the following Implementation Goals:

Table 8: Construction Site Runoff Control Goals			
Implementation Goal	Responsible Parties	Deadline	Status
Develop and implement a construction oversight program	Edgemont UFSD	1/1/25	Complete – refer to Section 7.6
Provide training on the MS4 Operator's construction oversight procedures		Once every 5 years	To be Developed
Update names, titles, and contact info for the individuals who have received construction oversight training		Annually by 4/1	To be Reviewed Annually
Review and update the construction oversight procedures and document the completion in the SWMP Plan		Annually by 4/1	To be Reviewed Annually
Develop and maintain an inventory of all applicable construction sites in the SWMP Plan	Edgemont UFSD	7/1/24	Complete – Refer to Appendix D
Update the inventory if construction projects are approved or completed.		Annually by 4/1	To be Reviewed Annually
Prioritize all construction sites which are included in the construction site inventory		1/1/25	Complete – Refer to Appendix D
Update prioritization based on information gathered during construction oversight program		Annually	To be Reviewed Annually
Ensure construction site inspectors & those reviewing/accepting SWPPPs receive 4-hour DEC endorsed training in erosion & sediment control		1/1/27	Complete - To be verified during SWPPP review and construction inspection process.
Update names, titles, and contact information for the individuals who have received the 4-hour erosion and sediment control training		Annually by 4/1	To be Reviewed Annually
Inspect all sites with construction activity identified in the inventory during active construction after the preconstruction meeting, or sooner if		Annually by 4/1	To be Reviewed Annually

Table 8: Construction Site Runoff Control Goals			
Implementation Goal	Responsible Parties	Deadline	Status
deficiencies are noted that require attention			
Ensure a preconstruction meeting is conducted prior to commencement of construction activities		Prior to commencement of construction activities	Schedule based on future construction activities. Documentation to be provided in Appendix D
Ensure a final construction site inspection is conducted and documentation of the final construction site inspection must be maintained in the SWMP Plan		As construction activities are completed	Schedule based on completion of construction activities. Documentation to be provided in Appendix D

8.0 MINIMUM CONTROL MEASURE 5. POST-CONSTRUCTION STORMWATER MANAGEMENT.

Edgemont UFSD's Post-Construction Stormwater Management program addresses control of stormwater quality, volume, and peak flow after construction is completed in both new and existing developments.

Permit requirements addressed by this SWMP include:

- Completion of an inventory of all post-construction stormwater management practices under the Edgemont UFSD's jurisdiction,
- Ensuring that post-construction stormwater management practices are inspected by qualified individuals and maintained to ensure proper function.

8.1 SWPPP Review Process for Post-Construction SMPs

For traditional MS4s with land use control, the MS4 permit requires adoption of a local law for compliance with GP-0-20-001 and the NYS Stormwater Management Design Manual for all construction sites one acre or greater in land disturbance. Since the Edgemont UFSD is considered a "Non-Traditional " MS4 without land use control capabilities, it is encouraged to develop necessary policies and procedures, and include such requirements in lease agreements, bid specifications, contracts, and/or permits. A copy of Edgemont UFSD's stormwater compliance policy attorney certification will be included as **Appendix F**.

Edgemont UFSD follows the SWPPP review process detailed under MCM 4. All SWPPPs are required to be in compliance with the 2015 version of the NYS Stormwater Management Design Manual (or most recent version).

8.2 Post-Construction SMP Inspection and Maintenance Program

Edgemont UFSD will inspect post-construction stormwater management practices and permanent green infrastructure features under the district's jurisdiction while they are under construction as part of the inspections described for MCM 4, to ensure that they are installed in accordance with the SWPPP and will function as intended after construction is complete. These inspections are documented in **Appendix D**. The inspection of permanent stormwater management practices during construction is part of the process for construction inspection described under MCM 4.

Training for post-construction inspection and maintenance procedures is covered by the Department-approved SWCD training described in MCM 4. A list of individuals who have received this training is located in **Appendix H**.

For all post-construction stormwater management practices under Edgemont UFSD jurisdiction, the district conducts a post-construction stormwater management inspection and maintenance program and tracks inspections, identifies maintenance or repair needs, and documents completion of needed work. These inspections are completed at the frequency specified in the

2017 DEC Maintenance Guidance Manual for each specific post construction practice. Edgemont UFSD will maintain a database of this information that is regularly updated as conditions change. Annual summaries of the condition and inspection and maintenance records for all post-construction stormwater management practices are included in **Appendix K**, along with a blank form that may be used for this purpose and operation and maintenance (O&M) manuals for applicable post-construction stormwater management practices.

8.3 Inventory of Permanent Stormwater Practices

Table 9 below includes existing post-construction stormwater management practices and corresponding location. Locations are also mapped and included in **Appendix C**. Edgemont UFSD is responsible for inspections of the post-construction stormwater management practices.

Table 9. Inventory of Permanent Stormwater Practices					
Stormwater Practice ID	Location	Practice Type ¹	Approximate Date Constructed	Ownership & Maintenance Responsibility	Inspection Frequency
1	Edgemont Jr./Sr High School	Bioretention		Edgemont UFSD	Twice annually, in spring & fall

8.4 Permit Implementation Goals

Edgemont UFSD is assessing compliance with the requirements of GP-0-24-001 through the following Implementation Goals:

Table 10: Post-Construction Stormwater Implementation Goals		
Implementation Goal	Deadline	Status
Update inventory of post-construction SMPs	Annually, by 4/1	Complete – Refer to Table above.
Update inventory of post-construction SMPs to include street address or tax parcel, type, receiving waterbody & class, receiving waterbody WI/PWI Segment ID, date of installation or discovery, ownership, responsible party for maintenance, contact info for maintenance, location of O&M requirements/legal agreements, frequency for inspection, reason for installation if known, last inspection, inspection results, & any corrective actions needed/completed.	1/1/29	To be Developed
Develop & implement post-construction SMP inspection/maintenance program	1/1/25	To be Developed

Table 10: Post-Construction Stormwater Implementation Goals		
Provide training on MS4 Operator's post-construction SMP inspection/maintenance program	Once every 5 years	To be Developed
Update names, titles, contact info of those that received post-construction SMP training	Annually, by 4/1	To be reviewed annually
Review & update post construction SMP inspection/maintenance procedures & document in SWMP	Annually, by 4/1	To be reviewed annually

9.0 MINIMUM CONTROL MEASURE 6. POLLUTION PREVENTION AND GOOD HOUSEKEEPING OF MUNICIPAL OPERATIONS.

Edgemont UFSD facilities and operations contain and produce many potential sources of pollutants to the stormwater drainage system. MCM 6 focuses on development and implementation of Best Management Practices to eliminate or minimize this pollution.

Permit requirements addressed by this SWMP include:

- An inventory and self-assessment of all district operations, facilities, and equipment to ensure implementation of best management practices that prevent stormwater pollution, completed at least once every three years;
- Establishment and implementation of policies and procedures for operations that have the potential to contribute to stormwater pollution;
- Implementation of best management practices to reduce and eliminate the discharge of pollutants from municipal operations and facilities to the MS4;
- Proper training of district employees in all aspects of the Pollution Prevention and Good Housekeeping program;
- Policies to ensure that all third-party contractors comply with established Pollution Prevention and Good Housekeeping procedures and practices;

9.1 Best Management Practices

Best management practices, often shortened to BMPs, are a cornerstone of pollution prevention for municipal facilities. Seven main BMPs are described in this plan, but they are not an exhaustive list. The following BMPs have been considered as part of development of the Edgemont UFSD's SWMP.





Minimizing Exposure includes:

- Locating materials & activities inside, or protecting them with storm resistant coverings (use of covers to be evaluated)
- Using grading, berming, or curbing to prevent runoff of contaminated flows & diverting run-on away from these areas
- Clean up spills and leaks promptly using dry methods
- Store leaky vehicles/equipment indoors when possible, and use drip pans when stored outdoors
- Use spill/overflow protection equipment
- Perform all vehicle/equipment cleaning indoors, undercover, or in bermed areas that prevent run-on and runoff and capture overspray
- Drain fluids while indoors or under cover from vehicles/equipment that will be decommissioned or remain unused for extended periods of time. Inspect these vehicles/equipment monthly for leaks
- Minimize exposure of chemicals by replacing with less toxic alternatives, for example using non-hazardous cleaners (alternate chemicals to be evaluated)



Preventative Maintenance includes:

- Timely inspection/maintenance of stormwater management devices (trench drains, swales, storm sewer inlets, etc.)
- Maintain facility equipment/vehicles to limit potential for breakdowns and discharges of pollutants
- Maintain non-structural BMPs; for example, keeping spill response supplies available, ensuring personnel are appropriately trained, installing containment measures, covering fuel areas, and similar measures.
- Ensure vehicle washwater is not discharged to the MS4, or to surface waters of the State. All vehicles/equipment must be washed in designated/covered areas, where washwater is collected to be recycled or discharged to the sanitary sewer.
- Pave, mark, and seal in dry conditions
- Stage road operations and maintenance activity to reduce the potential discharge of pollutants to the MS4 or surface waters of the state

Spill Prevention and Response Required Procedures include:



- Store materials in appropriate containers
- Label containers that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur
- Implement procedures for material storage and handling, including the use of secondary containment
- Develop procedures for stopping, containing and cleaning up leaks, spills, and other releases. Procedures should be executed as soon as possible as appropriate.
- Spill kits should be kept on-site near areas where spills may occur.
- Develop notification procedures of appropriate personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. Any spills must be reported in accordance with 6 NYCRR 750-2.7
- Following any spill or release, the MS4 operator must evaluate BMP adequacy and update the municipal facility

Erosion and Sediment Controls to consider include:



- Stabilizing exposed areas and controlling runoff using structural and/or non-structural controls in the NYS Standards and Specifications for Erosion and Sediment Control (2016, or most current version)
- Areas that have potential for significant soil erosion due to topography, land disturbance, and/or other factors
- Appropriateness of structural, vegetative, and/or stabilization BMPs to limit erosion
- Assessing necessity of velocity dissipation devices at discharge locations and along the length of any channel to provide non-erosive flow velocity
- Addressing erosion or areas with poor vegetative cover, especially if the erosion is within 50 feet of a surface water of the State.

Managing Vegetated Areas/Open Space on Municipal Property Requirements include:



- Specify proper use, storage, and disposal of any pesticides, herbicides, and fertilizers. Minimize the use of these products, and use only in accordance of the manufacturer's instructions.
- Use lawn maintenance and landscaping practices that are protective of water quality. Protective practices include reduced mowing frequencies, proper disposal of lawn clippings, and use of alternative landscaping materials like drought resistant planting.
- Place pet waste disposal containers and signage concerning the proper collection and disposal of pet waste at all parks and open space where pets are permitted.
- Address waterfowl congregation areas where needed to reduce waterfowl droppings from entering the MS4.

Winter Road Maintenance BMPs include:



- Enclose or cover storage piles of deicing or maintenance of paved surfaces except during loading, unloading, and handling.
- Implement good housekeeping, routine sweeping, diversions, and containment to minimize exposure resulting from addition to or removals from the pile.
- Routinely calibrate equipment used to control salt/sand application rates.
- Snow disposal activities should comply with the Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal.



Waste, Garbage, and Floatable Debris BMPs include:

- Proper management of trash containers at parks and open space, including sufficient number and scheduled cleanings
- Picking up trash and debris on MS4 operator owned/operated property and rights of way
- Cleaning out catch basins within the appropriate interval
- Keep all dumpster lids closed when not in use
- Ensure dumpsters and roll off containers that do not have lids and could leak have controls such as secondary containment or treatment for discharges.
- Clean out catch basins at appropriate interval (See Section 8.5)

9.2 Municipal Facility Program

The MS4 permit requires MS4 operators to develop and implement a municipal facility program by January 1, 2027. The municipal facility program must be documented in the SWMP specifying the following:

- District facility procedures including BMPs, high priority district facility requirements, and low priority facility requirements;
- Training provisions for MS4 operators' district facility procedures including training for new staff, training for existing staff and training following any updates to district facility procedures;
- The names, titles, and contact information for the individuals who have received the district facility training (updated annually); and
- An annual review and update of district facility procedures by April 1 of each year and documentation of this review in the SWMP.
- Edgemont UFSD's inventory of municipal facilities with associated prioritization is located in **Table 12**.

9.2.1 Prioritization of Municipal Facilities

Prioritization of all known Edgemont UFSD facilities must occur by January 1, 2027. New municipal facilities added to the inventory must be prioritized within 30 days. After initial

prioritization, the MS4 operator must update the municipal facility prioritization in the inventory annually. Table 11 below outlines prioritization guidelines:

Table 11: Prioritization Guidelines for Municipal Facilities		
Site Characteristics	Prioritization Level	Site Specific SWPPP Needed?
Facilities with storage of chemicals, salt, petroleum, pesticides, fertilizers, antifreeze, lead acid batteries, tires, waste/debris, AND/OR fueling stations AND/OR vehicle or equipment maintenance/repair <u>that is exposed to stormwater</u>	High Priority	Yes
Municipal facilities that do not qualify for a High Priority facility (above) OR High priority facilities that qualify for a No Exposure Certification	Low Priority	No

Edgemont UFSD's inventory of Edgemont UFSD facilities with associated prioritization is provided in Table 12 below. A form for completing the municipal facility assessments is provided in **Appendix L**.

Table 12: Inventory of Municipal Facilities			
Facility	Address	Prioritization Level	Rationale for Prioritization
Edgemont Union Free School	300 White Oak Lane, Scarsdale NY 10583	Low	No exposure
Edgemont Jr./Sr. High School	200 White Oak Lane, Scarsdale NY 10583	Low	No exposure
Greenville Elementary School	100 Glendale Road, Scarsdale NY 10583	Low	No exposure
Seely Place Elementary School	51 Seely Place Scarsdale, NY 10583	Low	No exposure

9.2.2 Municipal Facility Requirements

All Edgemont UFSD facilities, included in Table 12 above, must complete comprehensive site assessments at least once every five years to ensure municipal facilities are in compliance with GP-0-24-001 and any deficiencies are noted and corrected. Blank forms for completing the comprehensive site assessments, as well as completed Edgemont UFSD comprehensive site assessments, are provided in **Appendix L**.

Training for Edgemont UFSD's facilities program is provided in **Appendix H**, including a list of individuals who have received the training.

9.2.3 High Priority Municipal Facilities in the Edgemont UFSD MS4

There are currently no high priority facilities in the Edgemont UFSD. Edgemont UFSD facilities require only comprehensive site assessments once every five years. Documentation of the comprehensive site assessments is located in **Appendix L**.

9.3 Third Party Compliance

Edgemont UFSD will ensure all maintenance contracts include the following certification statement to ensure third party compliance related to stormwater discharges and water quality standards:

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the Edgemont UFSD's stormwater management program and agree to implement any corrective actions identified by the Edgemont UFSD's or a representative. I also understand that the Edgemont UFSD's must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System ("SPDES") General Permit for Stormwater Discharges from the Municipal Separate Storm Sewer Systems ("MS4 GP") and that it is unlawful for any person to directly or indirectly cause or contribute to a violation of water quality standards. Further, I understand that any non-compliance by the Edgemont UFSD's will not diminish, eliminate, or lessen my own liability."

Edgemont UFSD ensures third-party compliance with this SWMP and all related Best Management Practices through language in its contract documents.

9.4 Catch Basin Inspection and Maintenance Program

The Edgemont UFSD will inspect catch basins, surface drainage structures and conveyances (i.e. drainage swales) in accordance with the following inspection and maintenance schedule. These inspections are documented in the Catch Basin and Conveyance Inspection and Maintenance Log provided in **Appendix M**.

- Catch basins and conveyances will be inspected a minimum of once per year.
- Catch basins and conveyances consistently generating high volumes of sediment, trash, and debris will be inspected more frequently, as deemed necessary by the Facilities Department.
- Catch basins receiving direct runoff from an active construction site will be inspected a minimum of once every 7 days.
- Catch basins with confirmed citizen complaints on three or more separate occasions in the last 12 months will be inspected more frequently, as deemed necessary by the Facilities Department.

Catch basin inspection forms will include the following information on each catch basin:

- Date of inspection
- Approximate level of trash, sediment, and/or debris captured at the time of clean-out (no trash/sediment/debris, <50% of the depth of the sump, >50% of the depth of the sump)
- Depth of structure
- Depth of sump, and
- Date of clean-out if applicable.

Blank catch basin inspection logs, as well as completed logs, are located in **Appendix M**.

At a minimum, at least 25% of catch basins will be cleaned per year. More than 25% of catch basins may be cleaned annually if sediment build-up exceeding 50% capacity is identified during annual inspection. If catch basins consistently generate high volumes of sediment, trash, and debris, and regularly exceed this 50% threshold, inspections will be conducted at an appropriate frequency greater than the identified minimum.

At a minimum, catch basin and conveyance inspection and maintenance procedures must include the following:

- Determine percentage of sediment/debris accumulation within catch basin. If trash, sediment, and debris exceed 50% of the depth of the sump, the catch basin must be cleaned out **within 6 months of the inspection** identifying the trash, sediment, &/or debris. If trash, sediment, and debris are less than 50% the depth of the sump, the catch basin must be cleaned out **within one (1) year of the inspection**;
- If there is not trash, sediment, and/or debris in the catch basin and the catch basin is operating properly, no clean-out is required
- If the sump depth of the catch basin is less than or equal to two (2) feet, no clean-out is required.
- Properly manage materials removed from catch basins during clean-out so that water removed from the catch basin during the cleaning process will not reenter the MS4 or surface waters of the State, material removed from catch basins is disposed of in accordance with any applicable environmental laws and regulations, and material removed during the catch basin cleaning process will not reenter the MS4 or surface waters of the State.
- If contamination is suspected, chemical analysis will be required in accordance with the IDDE Program outlined in MCM 3;
- Document all inspection findings and maintenance activities performed or recommended using the Catch Basin and Conveyance Inspection and Maintenance Log (**Appendix M**).

The following items will be tracked throughout the reporting year and reported annually to NYSDEC.

- Number of catch basins inspected, cleaned, repaired or replaced;
- miles of roads swept;
- number of post-construction stormwater management facilities inspected and cleaned;
- pounds of phosphorus applied in chemical fertilizer.

Appendix N is an annual summary listing and quantifying all of the data required for the MS4 Annual Report; a blank form for tabulating this data is included.

9.5 Roads, Bridges, Parking Lots, & Right of Way Maintenance

9.5.1 Sweeping

As required in GP-0-24-001, all roads, bridges, parking lots, and right-of-ways located on Edgemont UFSD campuses must be swept and/or cleaned annually from April 1 through October 31. This requirement is not applicable to:

- Uncurbed roads with no catch basins;

9.5.2 Maintenance

According to the requirements of GP-0-24-001, the Edgemont UFSD must implement the following provisions by January 3, 2029:

- Pave, mark, and seal in dry conditions
- Stage road operations and maintenance activity (e.g. patching, potholes) to reduce the potential discharge of pollutants to the MS4 or surface waters of the State
- Restrict the use of herbicide/pesticide application to roadside vegetation; and
- Contain pollutants associated with bridge maintenance activities (e.g. paint chips, dust, cleaning products, other debris)

9.6.3 Winter Road Maintenance

According to the requirements of GP-0-24-001, the Edgemont UFSD must implement the following provisions by January 3, 2029:

- Routinely calibrate equipment to control sand/salt application rates, and
- Ensure that routine snow disposal activities comply with the Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal.

9.6 Enhanced Pollution Prevention and Good Housekeeping Requirements for Impaired Waters

The Edgemont UFSD MS4 directly discharges to impaired waterbodies identified in Appendix C of the MS4 Permit; therefore, in accordance with Part VIII of the MS4 Permit, Edgemont UFSD is subject to the following enhanced pollution prevention and good housekeeping requirements to reduce pathogen (fecal coliform) contributions from the MS4.

Infrastructure Maintenance

Following completion of MS4 outfall mapping by January 1, 2027, the Edgemont UFSD must sweep **ALL** campus roads located in sewersheds which discharging to impaired waters identified in Appendix C of the MS4 permit. Sweeping must be conducted on an annual basis from April 1 through October 31. This requirement is not applicable to the following:

- Uncurbed roads with no catch basins;

By January 1, 2027, Following MS4 outfall inspection, Edgemont UFSD must also initiate actions to repair all MS4 outfall protection and/or bank stability problems identified during the inspection. Repairs are to be completed in accordance with the most recent version of the NYSDEC Standards and Specifications for Erosion and Sediment Control.

Completion of these requirements will be documented in this SWMP Plan following program development and implementation.

Wildlife Control

By January 1, 2027, Edgemont UFSD will keep an inventory of district facilities with nuisance bird populations that have the potential to contribute pathogens (e.g., Canada Geese). This inventory will be maintained in **Appendix O**. Signage will be maintained at these facilities instructing the public not to feed wildlife.

Additionally, Edgemont UFSD must remove accumulated trash and debris from district facilities, as needed, to eliminate potential food sources for wildlife. Completion of these wildlife requirements will be documented in this SWMP Plan in **Appendix O**.

By January 1, 2027, Edgemont UFSD will begin evaluating the effectiveness of deterrents, population controls, and other measures that may reduce bird related pathogen contributions. Program progress will be tracked in **Appendix O** following program development and implementation.

Animal Waste Control

By January 1, 2027, Edgemont UFSD will increase signage relaying prohibition of pets on district campuses where pets/domestic animals may frequent (e.g., walking trails). Completion of this requirement will be documented in this SWMP plan following program development and implementation.

9.7 Permit Implementation Goals

Table 13 below shows how Edgemont UFSD is assessing the success of Minimum Control Measure 6 of its SWMP through the following Implementation Goals:

Table 13: Pollution Prevention and Good Housekeeping Goals		
Implementation Goal	Deadline	Status
Incorporate BMPs into facility & operations programs	1/1/27	Under Development
Develop & implement facility program	1/1/27	
Provide training on facility procedures	Once every 5 years	
Update names, titles, contact information for those that received facility training	Annually, by 4/1	To be reviewed Annually
Develop and an inventory of all district facilities in the SWMP Plan	1/1/26	Under Development
Update the inventory if new district facilities are added	Annually	To be reviewed Annually
Prioritize all known district facilities	1/1/27	
Develop and implement a district facility specific SWPPP for each high priority district facility and retain a copy of the district facility specific SWPPP on site	1/1/29	N/A – No High Priority Facilities
Conduct wet weather visual monitoring of the monitoring locations and other sites of stormwater leaving the high priority facility	1/1/29	
Complete a comprehensive site assessment for each high priority facility as identified in the inventory	1/1/29	
Complete a comprehensive site assessment for each low priority facility as identified in the inventory	1/1/29	Under Development
Develop and implement a district operations program	1/1/27	
Provide training on the MS4 Operator's district operations procedures	Once every 5 years	
Update the names, titles, and contact information for the individuals who have received district operations training	Annually, by 4/1	To be reviewed Annually

Table 13: Pollution Prevention and Good Housekeeping Goals		
Implementation Goal	Deadline	Status
Review and update the district operations procedures and document the completion in the SWMP Plan	Annually, by 4/1	To be reviewed Annually
Inventory catch basin inspection information	1/1/27	Under Development
Identify when catch basin inspection is necessary with consideration for construction sites, land use area, recurring/history of issues, or confirmed complaints	1/1/27	
Catch basins which has trash, sediment, and/or debris exceeding 50% of the depth of the sump as a result of a catch basin inspection must be cleaned out	6 months after catch basin inspection	Contingent upon catch basin inspection schedule
Catch basins which had trash, sediment, and/or debris at less than 50% of the depth of the sump as a result of a catch basin inspection must be cleaned out	1 year after catch basin inspection	
All roads, bridges, parking lots, and right-of-ways must be swept and/or cleaned in the spring	Once every 5 years	Currently being conducted
Roads must be swept	Annually, from 4/1 to 10/31	
Pave/mark/seal in dry conditions; stage road operations to reduce potential discharge; restrict use of herbicides/pesticides; contain pollutants associated with bridge maintenance	1/1/29	Under Development
Routinely calibrate equipment to control salt/sand application; ensure routine snow disposal activities comply with Division of Water Technical & Operation Guidance Series 5.1.11	1/1/29	
Sweep all district campus roads located in sewersheds which discharging to impaired waters. Roadways exempt from this requirement are outlined in Section 9.7 .	1/1/27	Under Development, to be initiated following completion of enhanced impaired waters mapping requirements
Initiate actions to repair all MS4 outfall protection and/or bank stability problems identified during MS4 outfall inspections.	Annually, by 4/1	Currently being conducted
Keep an inventory of UFSD-operated facilities with nuisance bird populations that have the potential to contribute pathogens (e.g., Canada Geese). Maintain	Annually, by 4/1	Currently being conducted

Table 13: Pollution Prevention and Good Housekeeping Goals		
Implementation Goal	Deadline	Status
signage at these facilities instructing the public not to feed wildlife.		
Remove accumulated trash and debris from UFSD-operated facilities, as needed, to eliminate potential food sources for wildlife.	Annually, by 4/1	Currently being conducted
Evaluate the effectiveness of deterrents, population controls, and other measures that may reduce bird related pathogen contributions	1/1/25	Under Development
Increase signage relaying prohibition of pets on UFSD campus lands where pets/domestic animals may frequent (e.g., walking trails)	1/1/25	Under Development

10.0 ENFORCEMENT MEASURES & TRACKING

As a requirement of GP-0-24-001, the Edgemont UFSD must develop and implement an enforcement response plan (ERP) which clearly describes the actions to be taken for violations that the MS4 Operator has enacted. The ERP sets forth the protocol for Edgemont UFSD staff to address repeat and continuing violations through progressively stricter responses as needed to achieve compliance with the terms and conditions of the general permit GP-0-24-001. The Edgemont UFSD ERP is not intended to create additional enforcement actions nor change existing enforcement procedures already set forth in the Edgemont UFSD stormwater policy; instead, the ERP is a tool for use by municipal staff to describe how and when existing procedures can and should be utilized when dealing with instances of non-compliance.

As non-traditional MS4 operators do not hold the legal authority to pass ordinances, Part IV.E.2 of the MS4 permit designates that written policies/procedures be put in place with content equivalent to the model local laws with documentation in the SWMP Plan from the attorney representing the MS4 Operator of the equivalence. Since the Edgemont UFSD does not have land use control capabilities, the Edgemont UFSD is required to develop necessary policies and procedures related to erosion and sediment control and illicit discharge violations, and to include such requirements in lease agreements, bid specifications, contracts, and/or permits. The Edgemont UFSD has such stormwater policies in place and will work with their representing attorney to document conformance with the model laws outlined in the MS4 permit. These attorney certifications will be included in **Appendix F**.

Enforcement responses listed below are based on the type, magnitude, and duration of the violation, as well as the effect of the violation on the receiving water, compliance history of the operator, and good faith of the operator in compliance efforts. Potential threats to human health or the environment will take precedence when considering the Edgemont UFSD's level of response to violations. Violations that continue over prolonged periods of time, or recurring violations, may lead to escalated levels of response in a shorter time frame than usual.

10.1 Levels of Response for Construction Site Violations

10.1.1 Verbal Warnings/Informal Response

For all Edgemont UFSD facilities and district-initiated land development projects, the Edgemont UFSD will pursue compliance of observed and documented stormwater policy violations, as they relate to erosion and sediment control and/or illicit discharges, through informal methods whenever reasonable. Informal responses can include verbal and/or email notices and on-site meetings in order to gain voluntary compliance. Informal responses are appropriate for situations where education is needed, the responsible party is cooperative, violations do not pose a significant impact to human health or the environment, and the Edgemont UFSD believes that compliance can be achieved without the use of formal measures. GP-0-24-001 dictates that efforts to obtain voluntary correction of the deficiencies through informal enforcement must not

exceed sixty (60) days in duration from the time of the MS4 Operator's initial determination until a return to compliance.

It is essential to document all informal responses and interactions with responsible parties because the implementation of informal measures can often establish the documentation necessary to implement more formal enforcement actions when these efforts do not result in compliance. Updating the SWMP with this information is also necessary a requirement of GP-0-24-001 (refer to **Appendix G** for Enforcement Actions Tracking).

Should the violation not be corrected after informal enforcement, the violation is deemed a potential hazard to human health or the environment, the violation continues past the sixty (60) day permit time allotment, or the violation is repeated, escalation to a formal enforcement option is necessary.

10.1.2 Notice of Violation

When the Edgemont UFSD determines violation with written stormwater policies associated with district facilities or district-initiated land development projects, lease agreements, bid specifications, or permits, the Edgemont UFSD may issue a written notice of violation to the responsible person. The notice of violation shall contain:

- Name and address of the violator;
- The address, when available, or a description of the building, structure, or land upon which the violation is occurring or has occurred;
- A statement specifying the nature of the violation;
- A description of the remedial measures necessary to restore compliance with the applicable stormwater policy and a time schedule for the completion of such remedial action
- A statement of the penalty or penalties that shall or may be assessed against the person to whom the notice of violation is directed;
- For construction site violations, a statement that the determination of violation may be appealed to the Edgemont UFSD by filing a written notice of appeal within 15 days of service of the notice of violation.

For illicit discharges, the notice of violation may require without limitation:

- The performance of monitoring, analyses, and reporting;
- The elimination of illicit connections or discharges;
- That violating discharges, practices, or operations shall cease and desist;
- The abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property;
- Payment of a fine to cover administrative and remediation costs; and

- The implementation of source control or treatment BMPs.

Any person receiving a notice of violation may appeal the determination of the Edgemont UFSD Facilities Director or their designee. The notice of appeal must be received within 10 days from the date of the notice of violation. Hearing on the appeal before the appropriate authority or their designee shall take place within 60 days from the date of receipt of the notice of appeal. The decision of the district authority or their designee shall be final.

If the violation has not been corrected pursuant to the requirements set forth in the notice of violation or, in the event of an appeal, within 30 days of the decision of the municipal authority upholding the decision of the district's Facilities Director or their designee, then representatives of the Edgemont UFSD shall enter upon the subject private property and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the government agency or designated contractor to enter upon the premises for the purposes of enforcing compliance with the Edgemont UFSD's written stormwater policies.

Within 30 days after abatement of the violation, the violating party will be notified of the cost of abatement, including administrative costs. The violating party may file a written protest objecting to the amount of the assessment within 10 days. If the amount due is not paid within a timely manner as determined by the decision of the municipal authority or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a lien on the property for the amount of the assessment.

These enforcement procedures will be clearly identified within all district-initiated land development contracts, lease agreements, bid specifications, and/or permits

10.1.3 Stop Work Orders for Construction Activities

The Edgemont UFSD may issue a stop-work order on district-initiated projects for violations not resolved by a notice of violation or for violations deemed potential threats to human health, or for repeated violations. Persons receiving a stop-work order shall be required to halt all land development activities, except those activities that address the violations leading to the stop-work order. The stop-work order shall be in effect until the Edgemont UFSD confirms that the land development activity is in compliance and the violation has been satisfactorily addressed. Failure to address a stop-work order in a timely manner may result in civil, criminal, or monetary penalties in accordance with the Edgemont UFSD's stormwater policy enforcement measures

integrated into contract documents, bid specifications, lease agreements, and/or permits.

10.1.4 Citations

As the Edgemont UFSD is a non-traditional MS4 Operator, the Edgemont UFSD does not possess the legal authority to enact legal ordinances which include monetary penalties for specific violations. For all district-initiated land development projects, lease agreements, bid specifications, or permits, specific language will be incorporated into contract documents outlining any potential monetary damages that may be associated with violation of Edgemont UFSD stormwater policies.

10.1.5 Withholding of Approvals and Authorizations

The Edgemont UFSD will withhold approval and authorizations associated with district-initiated land development projects, lease agreements, bid specifications, or permits until it is confirmed that provisions are in place to meet all applicable Edgemont UFSD stormwater policies.

10.2 Enforcement Tracking

Appendix G summarizes the MS4 enforcement tracking in the Edgemont UFSD MS4.

11.0 COMPLIANCE SCHEDULE

The NYSDEC MS4 Permit sets phased deadlines for updates to each municipality's stormwater management program including mapping, portions of all MCMs, and the SWMP. The Edgemont UFSD's overall compliance schedule is provided in the SWMP as outlined above and tracked/updated in **Appendix P**.

12.0 RECORDKEEPING, REPORTING AND SWMP EVALUATION

The MS4 Operator must keep records required by the GP-0-24-001 for five (5) years after they are generated. Records must be submitted to the Department within a reasonable specified time period of a written Department request for such information. Documents can be maintained in electronic format if the manner reasonably assures the integrity of the records, in accordance with NYCRR 750-2.5(e)(1). Records, including the NOI and the SWMP Plan, must be made available to the public at reasonable times during regular business hours.

12.1 Annual Reports

Annually, MS4 Operators must submit an Annual Report to the Department using the form provided by the Department. The reporting period for the Annual Report is January 3 of the current year to January 2 of the following year (Reporting Year). The Annual Report must be submitted to the Department by April 1 of the year following the end of the Reporting Year. Data for the annual report is included in **Appendix N**. Historical Annual Reports for the current MS4 Permit are provided in **Appendix Q**.

MS4 Operators working together to implement their SWMPs may complete and submit a shared Annual Report to satisfy the reporting requirements specified in Part V.B.2. The shared Annual Report must outline and explain group activities, but also include the tasks performed by each individual MS4 Operator. On or before the reporting deadline, April 1, each MS4 Operator within the group must sign the certification section of the Annual Report to take responsibility for the information in the Annual Report, which includes specific endorsement or acceptance of both the shared Annual Report information and Annual Report information on behalf of the individual MS4 Operator.

12.2 Interim Progress Certifications

Twice a year, MS4 Operators must submit to the Department an Interim Progress Certification that verifies the activities included in the MS4 Permit have been completed by the date specified using the form provided by the Department. An Interim Progress Certification for the period of January 3 through June 30 of the same year must be submitted to the Department by October 1 of the same year. An Interim Progress Certification for the period of July 1 through January 2 of the following year must be submitted to the Department by April 1 of the following year along with the Annual Report. Submission of the Annual Report is not a substitute for submission of the Interim Progress Certification. Historical Interim Progress Certifications for the current MS4 Permit are provided in **Appendix Q**.

12.3 Annual Report and Interim Progress Certification Content

The Annual Report and Interim Progress Certifications shall summarize the activities performed throughout the Reporting Year, including:

- The status of compliance with permit requirements;
- Information documented in the SWMP Plan, as specified throughout GP-0-24-001; and
- A certification statement in accordance with 40 CFR 122.22(d).

12.4 SWMP Evaluation

Once every five (5) years, the MS4 Operator must evaluate the SWMP for compliance with the terms and conditions of GP-0-24-001 (or its successor), including the effectiveness or deficiencies of components of the individual SWMP Plan, and the status of achieving the requirements outlined in GP-0-24-001 or its successor. The SWMP evaluation must be documented in the SWMP Plan (refer to **Appendix B**).

APPENDIX A
SPDES General Permit for Stormwater Discharges
from Municipal Separate Storm Sewer Systems (MS4s)
(GP-0-24-001) and Edgemont UFSD GP-0-24-001 NOI

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233-3505
P: (518) 402-8111 | F: (518) 402-9029
www.dec.ny.gov

3/4/2024

Re: Acknowledgement of Notice of Intent for Coverage under SPDES General Permit for Municipal Separate Storm Sewer Systems (GP-0-24-001)

Dear Edgemont Union Free School District,

This is to acknowledge that the New York State Department of Environmental Conservation (DEC) received a complete electronic Notice of Intent (eNOI) for the MS4 Operator:

Edgemont Union Free School District

Pursuant to 6 NYCRR 750-1.21(d) and Part II of the SPDES MS4 GP, GP-0-24-001, Edgemont Union Free School District is authorized to discharge stormwater under the terms and conditions of the SPDES MS4 GP, GP-0-24-001, starting on the effective date of **01/03/2024**. Edgemont Union Free School District must comply with all requirements contained in the MS4 GP, GP-0-24-001.

The following SPDES ID No. should be included in all correspondences with the DEC:

SPDES ID No: NYR20A406

Should you have any questions regarding any aspect of the requirements in the MS4 GP, GP-0-24-001, please contact MS4GP@dec.ny.gov or (518) 402-8111.

Sincerely,



Meredith Streeter, P.E.
Chief, Central Section
Bureau of Water Permit



Department of
Environmental
Conservation

MS4 Notice of Intent

version 1.0

(Submission #: HQ1-7X3N-MV0YM, version 1)

Details

Submission Alias Edgemont School District MS4 Notice of Intent
Originally Started By Scout Morgan
Submitted 2/12/2024 (0 days ago) by David Hanny
Alternate Identifier NYR20A406
Submission ID HQ1-7X3N-MV0YM
Status Submitted

Form Input

MS4 Operator Information

Is this NOI for an MS4 Operator continuing coverage?

Yes

Permit ID #:

NYR20A406

MS4 Operator Type

Non-traditional

Non-Traditional

School District

Traditional Non-Land Use or Non-Traditional

Traditional non-land use and non-traditional MS4 Operator requirements are found in Part VII of the MS4 General Permit.

Municipality Name or Legal Entity Name

Edgemont UFSD

Legal Municipal/Entity Mailing address

300 White Oak Lane
Scarsdale, NY 10583
Westchester

Ranking Official

Official Title	First and Last Name	Phone	Email
Other: Director of Facilities	Rosario Renda	914-472-7767	rrenda@edgemont.org

NOI Preparer

NOI Preparer Title	First and Last Name	Phone	Email
Other: Environmental Consultant	Dave Hanny	5853257190	dhanny@bartonandloguidice.com

NAICS Codes

Federal, State or Local Government - 924110
Military Bases - 928110
Highway, road or other thoroughfare system - 237310
Large Hospitals - 622110
Public Colleges and Universities - 611310
Correctional Institutions - 922140

[NAICS Code Lookup](#)

NAICS Code

Other: 611110

Is the MS4 Operator working with other MS4 Operators to implement the Stormwater Management Program?

No

Does the MS4 Operator have any facilities that need to obtain MSGP coverage under MSGP permit?

No

MS4 Location Information

Does the MS4 Operator have multiple locations across the state?

Yes

Enter the facility name, street address, city and zip for each facility across the state where the MS4 Operator is implementing the MS4 Permit.

MS4 Facilities

Facility Name	Street Address	Facility City	Facility Zip
Glendale Elementary School	100 Glendale Road	Scarsdale	10583
Seely Place Elementary School	51 Seely Place	Scarsdale	10583
Edgemont Jr./Sr. High School	200 White Oak Lane	Scarsdale	10583
Edgemont Union Free School	300 White Oak Lane	Scarsdale	10583

Waterbody Information (1 of 1)

If the MS4 Operator discharges to multiple waterbodies, all waterbodies must be listed. Use the 'Duplicate Waterbody Information' or 'Add New Waterbody Information' buttons to add as many waterbodies as necessary.

To find the names of waterbodies, including any impaired waterbodies, use the DEC's Stormwater Interactive Map. Under the Permit Related Layers check the box for the Impaired Waterbodies for MS4GP and the box for Waterbody Inventory/Priority Waterbodies List.

[Stormwater Interactive Map](#)

Waterbody name and segment receiving MS4 Operator discharges

Bronx River, Upper, and tribs - 1702-0107

Is this waterbody segment listed in Appendix C (List of Impaired Waters) of the MS4 General Permit?

Yes

An MS4 discharging to a waterbody listed in Appendix C must meet the requirements of Part VIII. for the pollutant(s) of concern listed in Appendix C.

For which pollutant(s) of concern is the waterbody impaired?

Pathogens

Is this waterbody segment listed in Table 3 (Approved TMDL Watersheds with MS4 Contribution) of the MS4 General Permit?

No

CERTIFICATION

The MS4 Operator has read and understands the SPDES MS4 General Permit, GP-0-24-001, as it pertains to permit requirements as well as the timeframes for compliance set forth in the permit.

Yes

I am the ranking elected official or Principal Executive Officer for the MS4 Operator and will be signing the form electronically.

Yes

As the Ranking Elected Official or Principal Executive Officer, please download the certification form from the link below. Complete and sign the certification. Then upload the certification form to this NOI.

This certification form must be signed and uploaded every time the NOI is submitted.

[Certification Form](#)

Attach completed certification form.

MS4 NOI Signature Page (ID 3060768).pdf - 02/12/2024 10:30 AM

Comment

NONE PROVIDED

Attachments

Date	Attachment Name	Context	User
2/12/2024 10:30 AM	MS4 NOI Signature Page (ID 3060768).pdf	Attachment	David Hanny

Status History

	User	Processing Status
2/7/2024 9:27:31 AM	Scout Morgan	Draft
2/12/2024 10:32:00 AM	David Hanny	Submitting
2/12/2024 10:32:16 AM	David Hanny	Submitted

Processing Steps

Step Name	Assigned To/Completed By	Date Completed
Form Submitted	David Hanny	2/12/2024 10:32:16 AM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water

625 Broadway, Albany, New York 12233-3500

P: (518) 402-8233 | F: (518) 402-9029

www.dec.ny.gov

MS4 Operator Certification Form for eReports

SPDES General Permit for
Stormwater Discharges From
Municipal Separate Storm Sewer Systems (GP-0-24-001)

Instructions

Please review Part X.J. of GP-0-24-001 before signing this form. A signature by an unauthorized person will delay permit coverage.

This form must be signed by one of the following:

1. For a corporation: by a responsible corporate officer
2. For a partnership: by a general partner
3. For a sole proprietorship: by the proprietor
4. For a municipality, state, federal or other public agency: by a principal executive officer or ranking elected official

MS4 Operator Name: Edgemont UFSD

eReport Submission Number: HQ1-7X3N-MV0YM

MS4 Operator Certification

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 gathered and evaluated 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.

Rosario Renda


Name (please print or type)

Dir. Facilities

Title

Edgemont UFSD

Organization


Signature

2/9/24
Date



Department of
Environmental
Conservation



Department of
Environmental
Conservation

FINAL
PERMIT
for
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL
CONSERVATION
SPDES GENERAL PERMIT
for
STORMWATER DISCHARGES
from
MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)
Permit No. GP-0-24-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70
of the Environmental Conservation Law

Issuance Date: December 13, 2023

Effective Date: January 3, 2024

Expiration Date: January 2, 2029

Scott Sheeley

Chief Permit Administrator

A handwritten signature in blue ink that reads "Scott E. Sheeley". The signature is written over a horizontal line.

DECEMBER 13, 2023

Authorized Signature

Date

Address: NYS DEC

Division of Environmental Permits

625 Broadway, 4th Floor

Albany, NY 12233

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NOTE

All italicized words within this *State Pollutant Discharge Elimination System (SPDES)* general permit are defined in Appendix A.

Part I. Permit Coverage and Limitations

A. Permit Authorization

This *SPDES* general permit authorizes the *discharge* of *stormwater* from small *MS4s*.

1. An *MS4 Operator* is eligible for coverage under this *SPDES* general permit if the *MS4* is *automatically* or *additionally designated* (Appendix B).

Only portions of the *MS4* which are located within the *automatically* or *additionally designated areas* are subject to, and authorized to *discharge* by, the requirements of this *SPDES* general permit (Part IV.C.).

2. This *SPDES* general permit contains terms and conditions specific for each of the following types of *MS4 Operators* that are authorized to *discharge* under this *SPDES* general permit, in accordance with Part I.A.1:

- a. *Traditional Land Use Control MS4 Operators*;
- b. *Traditional Non-land Use Control MS4 Operators*; and
- c. *Non-traditional MS4 Operators*.

The minimum control measures (MCMs) for *traditional land use MS4 Operators* are listed in Part VI. The MCMs for *traditional non-land use control MS4 Operators* and *non-traditional MS4 Operators* are listed in Part VII. Part III.B, Part VIII, and Part IX. list additional requirements for all *MS4 Operators' MS4s discharging* to impaired waters.

3. *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) and 40 CFR 122.34(b)(3)(ii), are authorized by this *SPDES* general permit provided they do not violate Environmental Conservation Law (ECL) Section 17-0501. If the *Department* or *MS4 Operator* determines that one or more of the *discharges* are in violation of ECL Section 17-0501, the identified *discharges* are illicit and the *MS4 Operator* must eliminate such *discharges* by following the *illicit discharge* MCM requirements found in Part VI.C. or Part VII.C, depending on the *MS4 Operator* type.

Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned.

B. Exemption and Limitations on Coverage

1. The following *discharges* from *MS4 Operators* are exempt from the requirements of this *SPDES* general permit:
 - a. *Stormwater discharges* associated with an *industrial activity* provided the *discharges* are covered by the *SPDES* Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, GP-0-23-001 (MSGP); and
 - b. Individual *SPDES* permitted *stormwater discharges* provided the *discharges* are in compliance with their individual *SPDES* permit limitations.
2. The following *discharges* from *MS4 Operators* are not authorized by this *SPDES* general permit:
 - a. *Stormwater discharges* that may adversely affect an endangered or threatened species, or its designated critical habitat, unless the *MS4 Operator* has obtained a permit issued pursuant to 6 NYCRR Part 182 or the *Department* has issued a letter of non-jurisdiction.
 - b. *Stormwater discharges* which adversely affect properties listed or eligible for listing in the National Register of Historic Places unless the covered entity is in compliance with requirements of the National Historic Preservation Act and has coordinated with the appropriate State Historic Preservation Office any activities necessary to avoid or minimize impacts.
 - c. *Stormwater discharges*, the permitting of which is prohibited under 40 CFR 122.4 and 6 NYCRR 750-1.3.
 - d. The *discharge* of vehicle and equipment washwater from *municipal facilities*, including tank cleaning operations.
3. All documentation necessary to demonstrate *discharge* eligibility (Part I.B.1. and Part I.B.2.) must be documented in the *Stormwater Management Program Plan (SWMP Plan)* (Part IV.B.).

Part II. Obtaining Permit Coverage

- A. *MS4 Operators*, meeting the eligibility requirements in Part I.A.1. of this *SPDES* general permit, must submit the notice of intent (NOI) electronically (eNOI) unless the *MS4 Operator* has obtained a waiver from the electronic submittal requirement (Part II.B.) in order to be authorized to *discharge* under this *SPDES* general permit. Access and directions for use, for electronic submission of the NOI, are located on the *Department's* website. *MS4 Operators* must submit the eNOI as indicated in Table 1 and in accordance with Part X.J.

Table 1. eNOI Submittal for Permit Coverage			
Type of permit coverage	Deadline to submit complete eNOI	Effective Date of Coverage (EDC)	Form to file with the Department
Newly designated <i>MS4 Operator</i>	180 days ¹ from written notification from the <i>Department</i>	The submission of the complete eNOI	eNOI
<i>MS4 Operators</i> continuing coverage from GP-0-15-003	Forty-five (45) days from the effective date of the permit (EDP)	EDP	eNOI

MS4 Operators continuing coverage from GP-0-15-003 are eligible for continued coverage under this SPDES general permit (GP-0-24-001) on an interim basis for up to sixty (60) calendar days from the EDP. During this interim period, an *MS4 Operator* must comply with the requirements of GP-0-15-003.

By submitting the complete eNOI, the *MS4 Operator* certifies that the *MS4 Operator* has read and agrees to comply with the terms and conditions of this SPDES general permit including the provisions to update the *SWMP Plan* (Part IV.B.) in accordance with the timeframes set forth in this SPDES general permit.

MS4 Operators must document the complete NOI in the *SWMP Plan* (Part IV.B.). As information in the completed NOI changes, within thirty (30) days, the *MS4 Operators* must update the information on the NOI and resubmit the completed NOI to the Department. The *MS4 Operator* must document information from the Department acknowledging previous coverage or designation in the *SWMP Plan* (Part IV.B.).

Where there is a permit condition to *develop*, newly designated *MS4 Operators* must create that permit requirement. Where there is a permit condition to *develop*, *MS4 Operators* continuing coverage must continue to implement their current *SWMP* and update the *SWMP* to comply with the permit requirement.

For newly designated *MS4 Operators*, timeframes for compliance begin on the effective date of coverage (EDC).

B. Electronic Submission Waiver

1. *MS4 Operators* must submit all NOIs electronically unless the *MS4 Operator* has received a waiver from the Department based on one of the following conditions:
 - a. If the *MS4 Operator* is physically located in a geographical area (i.e., zip code or census tract) that is identified as under-served for broadband internet

¹ In this SPDES general permit, days refer to calendar days.

- access in the most recent report from the Federal Communications Commission; or
- b. If the *MS4 Operator* has limitations regarding available computer access or computer capability.
- 2. If an *MS4 Operator* wishes to obtain a waiver from submitting an NOI electronically, the *MS4 Operator* must submit a request using the Application for Electronic Submittal Waiver to the *Department* at the following address:
 NYS DEC Bureau of Water Compliance
 MS4 NOTICE OF INTENT WAIVER
 625 Broadway, 4th Floor
 Albany, New York 12233-3505
- 3. A waiver may only be considered granted once the *MS4 Operator* receives written confirmation from the *Department*.
- 4. *MS4 Operators* must document the eNOI waiver in the *SWMP Plan* (Part IV.B.), if applicable.
- C. *MS4 Operators* who submit a complete NOI are authorized to *discharge stormwater* under the terms and conditions of this *SPDES* general permit.
 - 1. NOI Content
 The NOI shall include:
 - a. Legal name and address of the *MS4 Operator*;
 - b. Receiving waterbodies; and
 - c. *Municipal Separate Storm Sewer System (MS4)* NPDES Permit-Related Information of 40 CFR Part 127 Appendix A.

Part III. Special Conditions

A. Discharge Compliance with Water Quality Standards

- 1. The *MS4 Operator* must implement the required controls contained in Part III. through Part IX. of this *SPDES* general permit. The *Department* expects that compliance with the terms and conditions of this *SPDES* general permit will assure *MS4 discharges* meet applicable *water quality standards*.
- 2. It shall be a violation of the ECL for any *discharge* authorized by this *SPDES* general permit to either cause or contribute to a violation of *water quality standards* as contained in 6 NYCRR 700-705.
- 3. The *MS4 Operator* must take all necessary actions to ensure *discharges* comply with the terms and conditions of this *SPDES* general permit. If at any time an *MS4 Operator* becomes aware (e.g., through self-monitoring or by notification from the *Department*) that a *discharge* causes or contributes to the violation of an applicable *water quality standard*, the *MS4 Operator* must implement corrective

actions and the *MS4 Operator* must document these actions in the *SWMP Plan* (Part IV.B.).

4. Compliance with this *SPDES* general permit does not preclude, limit, or eliminate any enforcement activity as provided by Federal and/or State law. Additionally, if violations of applicable *water quality standards* occur, then coverage under this *SPDES* general permit may be terminated by the *Department* in accordance with 6 NYCRR 750-1.21(e), and the *Department* may require an application for an alternative *SPDES* general permit or an individual *SPDES* permit may be issued.

B. Water Quality Improvement Strategies for Impaired Waters

1. List of Impaired Waters (Appendix C)

Part VIII. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

For *MS4 Operators* whose *MS4 outfalls* and *additionally designated area MS4 outfalls (ADA MS4 outfalls)* discharge to waters impaired for phosphorus, silt/sediment, pathogens, nitrogen, or floatables (Appendix C), the *MS4 Operator* must *develop* and implement the *pollutant specific best management practices (BMPs)*, listed in Part VIII, targeted towards the *pollutant of concern (POC)* causing the impairment.

For *MS4 Operators* discharging to waters within a *total maximum daily load (TMDL)* watershed that does not specify a *pollutant* load reduction necessary for *MS4s* and listed in Appendix C, the *MS4 Operator* must implement the enhanced *BMP* requirements of Part VIII. for the applicable *pollutant* of concern of the *TMDL*.

The enhanced *BMP* requirements in Part VIII. are written to address the *POCs* listed in Table 2.

Table 2. <i>Pollutant Specific BMPs for Impaired Waters listed in Appendix C</i>	
<i>POC</i>	Part VIII. Reference
Phosphorus	A
Silt/Sediment	B
Pathogens	C
Nitrogen	D
Floatables	E

2. Watershed Improvement Strategy Requirements for TMDL Implementation (Part IX.)

Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

- a. *MS4 Operators discharging* to waters within the watersheds listed in Table 3 must implement additional *BMPs* and applicable *retrofit* plans as specified in Part IX. to achieve the *pollutant* load reductions specified in the referenced *TMDL* or respective implementation plan.

Table 3. Approved TMDL Watersheds with MS4 Contribution		
TMDL	POC	Part IX. Reference
Phase II Phosphorus TMDLs for Reservoirs in the NYC Watershed, June 2000	Phosphorus	A
Total Maximum Daily Load (TMDL) for Phosphorus in Lake Carmel, October 2016		
Total Maximum Daily Load (TMDL) for Phosphorus in Palmer Lake, March 2015		
Impaired Waters Restoration Plan for Greenwood Lake – Total Maximum Daily Load for Total Phosphorus, September 2005	Phosphorus	B
Updated Phosphorus Total Maximum Daily Load for Onondaga Lake, June 2012		
Total Maximum Daily Load (TMDL) for Phosphorus in Lake Oscawana, September 2008		
None	Pathogen	C
TMDL for Nitrogen in the Peconic Estuary Program Study Area, Including Waterbodies Currently Impaired Due to Low Dissolved Oxygen: the Lower Peconic River and Tidal Tributaries; Western Flanders Bay and Lower Sawmill Creek; and Meetinghouse Creek, Terry Creek and Tributaries, September 2007	Nitrogen	D

- b. Each *MS4 Operator* is responsible for a waste load reduction as specified in the applicable *TMDL* or *TMDL* implementation plan referenced in Part IX. *MS4 Operators* may form a *Regional Stormwater Entity (RSE)* to implement *stormwater retrofits* collectively where compliance with the *pollutant* reduction requirements would be achieved on a regional basis. The individual load reduction for each participating *MS4 Operator* is aggregated to create a *RSE* load reduction. The *RSE* then designs and installs *retrofits* where they are most feasible within the boundaries of the *RSE*. Each participating *MS4*

Operator of an *RSE* complies if the aggregated *RSE pollutant* load reduction is met.

3. Impaired waters with an approved *TMDL* and listed in Appendix C

Part VIII. and Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

An *MS4 discharging* to a waterbody listed in Appendix C must meet the requirements of Part VIII. for the *POC(s)* listed in Appendix C.

An *MS4 discharging* to a waterbody listed in Table 3 must meet the requirements of Part IX. for the specific *POC* identified in the *TMDL*.

Part IV. Stormwater Management Program (*SWMP*) Requirements

MS4 Operators must *develop*, implement, and enforce a *SWMP*. The *SWMP* must be retained in written format, hardcopy or electronic. The written *SWMP* is referred to as the *SWMP Plan* (Part IV.B.). The *MS4 Operator* must use the *SWMP Plan* (Part IV.B.) to document *developed*, planned, and implemented elements of the *SWMP*.

A. Administrative

1. Alternative Implementation Options

- a. *MS4 Operators* may utilize other entities or the resources of those entities to assist with any portion of the *SWMP* development, implementation, or enforcement. These entities may consist of other *MS4 Operators*, an *RSE*, a Coalition of *MS4 Operators*, other public entities (e.g., non-*MS4 Operators*), or a private third-party contractor. If the *MS4 Operator* is relying upon another entity for compliance with any portion of this *SPDES* general permit, there must be an agreement in place that:
 - i. Is legally binding;
 - ii. Is documented in writing;
 - iii. Is signed and dated by all parties including a certification statement that explains that the *MS4 Operator* is responsible for compliance with this *SPDES* general permit;
 - iv. Identifies the activities that the entity will be responsible for including the particular MCM, the location and type of work;
 - v. Includes the name, address, and telephone number of the contact person representing the entity;
 - vi. Is kept up-to-date and part of the *SWMP Plan*; and
 - vii. Is retained by each party for the duration of the permit term.

- b. In the *SWMP Plan*, the *MS4 Operator* must *develop* and maintain an inventory of entities assisting in permit implementation that includes the following information:
 - i. Name of entity performing permit implementation; and
 - ii. Permit requirement being implemented performed by entity.
- c. Irrespective of any agreements, each party remains legally responsible for obtaining its own permit coverage, for filing the *NOI*, and satisfying all requirements of this *SPDES* general permit for its own *discharges*.
- d. Within thirty (30) days signing, alternative implementation agreements (Part IV.A.1.) must be documented in the *SWMP Plan* (Part IV.B.).
- e. Annually review and update any alternative implementation agreements in the *SWMP Plan*, as necessary.

2. Staffing plan/Organizational chart

Individual *SWMP* components may be *developed*, implemented, or enforced by different titles associated with the *MS4 Operator*, or other entities as described in Part IV.A.1. Within six (6) months of the EDC, the *MS4 Operator* must *develop* a written staffing plan/organizational chart which includes job titles and other entities as identified in Part IV.A.1, and the roles and responsibilities for each corresponding to the required elements of the *SWMP*. The staffing plan must describe how information will be communicated and coordinated among all those with identified responsibilities. All staffing plan/organization charts must be documented in the *SWMP Plan* (Part IV.B.).

B. *SWMP Plan*

The *SWMP Plan* must contain, at a minimum, all permit requirements implemented to meet the terms and conditions of this *SPDES* general permit, and documentation required by this *SPDES* general permit. The *SWMP Plan* may incorporate by reference any documents that meet the requirements of this *SPDES* general permit. If an *MS4 Operator* relies upon other documents to describe how the *MS4 Operator* will comply with the requirements of this *SPDES* general permit, the *MS4 Operator* must attach to the *SWMP Plan* a copy of these documents.

The *SWMP Plan* must identify if any requirements from Part VI. through Part IX. do not require updates and include the rationale behind the determination. The *SWMP Plan* must identify if any requirements from Part VI. through Part IX. are not applicable and include the rationale behind the determination.

1. Stormwater Program Coordinator

On the *NOI*, the *MS4 Operator* must designate a *Stormwater Program Coordinator* who must be knowledgeable in the principles and practices of *stormwater* management, the requirements of this *SPDES* general permit, and the *SWMP*. The *Stormwater Program Coordinator* oversees the *development*, implementation, and enforcement of the *SWMP*; coordinates all elements of the

SWMP to ensure compliance with this *SPDES* general permit; and *develops* and submits the Annual Report (Part V.B.2.). The name, title, and contact information of the *Stormwater* Program Coordinator must be documented in the *SWMP Plan*.

2. Availability of *SWMP Plan*

- a. Within six (6) months of the EDC, the *MS4 Operator* must make the current *SWMP Plan*, and documentation associated with the implementation of the *SWMP Plan*, available during normal business hours to the *MS4 Operator's* management and staff responsible for implementation as well as the *Department* and United States Environmental Protection Agency (USEPA) staff.² The completion of this permit requirement must be documented in the *SWMP Plan*.
- b. Within six (6) months of the EDC, the *MS4 Operator* must make a copy of the current *SWMP Plan* available for public inspection during normal business hours at a location that is accessible to the public or on a public website. The location of the *SWMP Plan* must be kept current. The completion of this permit requirement must be documented in the *SWMP Plan*.

3. Timeframes for *SWMP Plan* Development or Updates

MS4 Operators must *develop* and implement their *SWMP Plan* in accordance with the timeframes set forth in this *SPDES* general permit. Annually, after the end of the Reporting Year and by April 1, the *SWMP Plan* must be updated to ensure the permit requirements are implemented. More frequent updates to the *SWMP Plan* are noted throughout this *SPDES* general permit in specific permit requirements.

C. Minimum Control Measures (MCMs)

The MCMs for *traditional land use MS4 Operators* are listed in Part VI. while those for *traditional non-land use control MS4 Operators* and *non-traditional MS4 Operators* are listed in Part VII. Parts III.B, Part VIII, and Part IX. list additional requirements for all *MS4 Operators discharging* to impaired waters.

MS4 Operators subject to Part VI.

For *MS4 Operators* subject to Part VI. requirements, all MCMs must be implemented within the *automatically designated area* or an *additionally designated area* subject to Criterion 1 or 2 of the Additional Designation Criteria (Appendix B).

For *MS4 Operators* subject to Part VI. requirements, MCM 4 and MCM 5 must also be implemented within an *additionally designated area* subject to Criterion 3 of the Additional Designation Criteria (Appendix B).

MS4 Operators subject to Part VII.

For *MS4 Operators* subject to Part VII. requirements, all MCMs must be implemented within the *automatically designated area* or an *additionally designated area* subject to Criterion 1 or 2 of the Additional Designation Criteria (Appendix B).

² Part X.F. contains the duty for the *MS4 Operator* to provide information.

MS4 Operators subject to Part VIII.

Part VIII. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

For all *MS4 Operators* subject to Part VIII. requirements, all MCMs must be implemented within the *automatically designated area*.

For *MS4 Operators* subject to Part VI. requirements and subject to Part VIII. requirements, MCM 4 and MCM 5 must also be implemented within an *additionally designated area* subject to Criterion 3 of the Additional Designation Criteria (Appendix B).

MS4 Operators subject to Part IX.

Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type.

For all *MS4 Operators* subject to Part IX. requirements, all MCMs must be implemented within the *automatically designated area* or an *additionally designated area* subject to Criterion 1 of the Additional Designation Criteria (Appendix B).

D. Mapping

The *MS4 Operator* must *develop* and maintain comprehensive system mapping to include the mapping components within the *MS4 Operator's automatically designated area* or an *additionally designated area* subject to Criterion 1 or 2 of the Additional Designation Criteria (Appendix B), unless otherwise specified. The comprehensive system mapping must be documented in the *SWMP Plan*. The comprehensive system mapping must be in a readily accessible format, with scale and detail appropriate to provide a clear understanding of the *MS4*, to serve as a planning tool to allow for prioritization of efforts and facilitate management decisions by the *MS4 Operator*. Annually, after Phase I (Part IV.D.2.a.) completion, the *MS4 Operator* must update the comprehensive system mapping including updates to prioritization information of monitoring locations (Part VI.C.1.d. or Part VII.C.1.d, depending on the *MS4 Operator* type), construction sites (Part VI.D.5. or Part VII.D.5, depending on the *MS4 Operator* type), and *municipal facilities* (Part VI.F.2.c.i. or Part VII.F.2.c.i, depending on the *MS4 Operator* type).

1. Within six (6) months of the EDC, the comprehensive system mapping must include the following information:
 - a. *MS4 outfalls* (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit);
 - b. *Interconnections* (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit);
 - c. Preliminary *storm-sewershed* boundaries (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit);

- d. *MS4* infrastructure (as required for *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit that were subject to Part IX.A. or Part IX.D.), including:
 - i. Conveyance system
 - a) Type (closed pipe or open drainage);
 - b) Conveyance description for closed pipes (material, shape, dimensions);
 - c) Conveyance description for open drainage (channel/ditch lining material, shape, dimensions); and
 - d) Direction of flow;
 - ii. Culvert crossings (location and dimensions)
 - iii. Stormwater structures
 - a) Type (drop inlet, *catch basin*, or manhole); and
 - b) Number of connections to *catch basins*, and manholes;
 - e. Basemap information:
 - i. *Automatically*³ and *additionally designated areas* (based on criterion 3 of Additional Designation Criteria in Appendix B);⁴
 - ii. Names and location of all *surface waters of the State*, including:
 - a) Waterbody classification;⁵
 - b) Waterbody Inventory/Priority Waterbodies List (WI/PWL);⁶
 - i) Impairment status; and
 - ii) *POC*, if applicable;
 - c) *TMDL* watershed areas;⁷
 - iii. Land use, including:
 - a) Industrial;
 - b) Residential;
 - c) Commercial;
 - d) Open space; and
 - e) Institutional;
 - iv. Roads; and
 - v. Topography.⁸
2. The comprehensive system mapping must be updated with the data collected for each phase of mapping within the timeframe for each phase as outlined below:
- a. Phase I: Within three (3) years of the EDC, the comprehensive system mapping must include the following information:

³Utilizing the Stormwater Interactive Map on the Department's website or the NYS GIS Clearinghouse.

⁴Utilizing the Stormwater Interactive Map on the Department's website.

⁵Utilizing the Stormwater Interactive Map on the Department's website or the NYS GIS Clearinghouse.

⁶Utilizing the Stormwater Interactive Map on the Department's website or the NYS GIS Clearinghouse.

⁷Utilizing the Stormwater Interactive Map on the Department's website.

⁸ Utilizing USGS Quadrangle Map or finer.

- i. Monitoring locations, with associated prioritization (Part VI.C.1.d. or Part VII.C.1.d, depending on the *MS4 Operator* type);
 - ii. Preliminary *storm-sewershed* boundaries (for newly designated *MS4 Operators*);
 - iii. Focus areas (Part VI.A.1.a. or Part VII.A.1.a, depending on the *MS4 Operator* type);
 - iv. *Publicly owned/operated* post-construction *stormwater management practices (SMPs)* (Part VI.E.3. or Part VII.E.3, depending on the *MS4 Operator* type). The *publicly owned/operated* post-construction *SMPs* subject to this requirement are in the *automatically designated area* or an *additionally designated area* subject to Criterion 1, 2, or 3 of the Additional Designation Criteria (Appendix B); and
 - v. *Municipal facilities*, with associated prioritization (Part VI.F.2.c. or Part VII.F.2.c, depending on the *MS4 Operator* type).
- b. Phase II: Within five (5) years of the EDC, the comprehensive system mapping must include the following information:
- i. *MS4* infrastructure, including:
 - a) Conveyance system
 - i) Type (closed pipe or open drainage); and
 - ii) Direction of flow;⁹
 - b) *Stormwater* structures
 - i) Type (drop inlet, *catch basin*, or manhole); and
 - ii) Number of connections to and from drop inlets, *catch basins*, and manholes;
 - ii. *Privately owned/operated* post-construction *SMPs* which *discharge* to the *MS4* (Part VI.E.2.). The *privately owned/operated* post-construction *SMPs* subject to this requirement are in the *automatically designated area* or an *additionally designated area* subject to Criterion 1, 2, or 3 of the Additional Designation Criteria (Appendix B).
 - a) If the location of the privately-owned post-construction *SMPs* cannot be determined without accessing the private property, the *MS4 Operator* must map the location of the property that the post-construction *SMP* is located on using street address or tax parcel.

E. Legal Authority

For *MS4 Operators* continuing coverage from previous iterations of this *SPDES* general permit, adequate legal authority must be maintained in accordance with Part IV.E.1. or Part IV.E.2.

For a newly designated *MS4 Operator*, within three (3) years, the *MS4 Operator* must, to the extent allowable by State and local law, *develop* and implement

⁹ Direction of flow can be a written description or indicated as an arrow on the feature.

adequate legal authority to control *pollutant discharges* to implement this *SPDES* general permit. An *MS4 Operator* must either be in conformance with Part IV.E.1. or Part VI.E.2:

1. Adopt the following model local laws and include a copy of the resolution in their *SWMP Plan*:
 - a. The New York State Department of Environmental Conservation Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, April 2006 (NYS DEC Model IDDE Local Law 2006); and
 - b. The New York State Department of Environmental Conservation Sample Local Law for Stormwater Management and Erosion & Sediment Control, March 2006 (NYS DEC Sample SM and E&SC Local Law 2006).
2. Enact a legal mechanism or ensure that written policies/procedures are in place with content equivalent to the model local law, with documentation in the *SWMP Plan* from the attorney representing the *MS4 Operator* of the equivalence. Equivalent legal mechanisms or written policies/procedures must include the following:
 - a. For *illicit discharges*:
 - i. A prohibition of:
 - a) *Illicit discharges*, spills or other release of *pollutants*;
 - b) Unauthorized connections into the *MS4*;
 - ii. A mechanism to:
 - a) Receive and collect information related to the introduction of *pollutants* into the *MS4*;
 - b) Require installation, implementation, and maintenance of post-construction *SMPs*;
 - c) Require compliance and take enforcement action; and,
 - d) Access property for inspection.
 - b. To be adequate the legal mechanism must also ensure:
 - i. Applicable *construction activities* are effectively controlled and include post-construction runoff controls for new development and redevelopment projects; and
 - ii. Post-construction *SMPs* are properly operated and maintained by requiring the following:
 - a) A stormwater pollution prevention plan (SWPPP) with erosion and sediment controls that meets or exceed the New York State, Standards and Specifications for Erosion & Sediment Control, November 2016 (NYS E&SC 2016) and requires post-construction *SMPs* for applicable *construction activity* described in Part VI.D.1 in conformance with the

SPDES General Permit for Stormwater from Construction Activities, GP-0-20-001 (CGP);

- b) Post-construction *SMPs* as required by CGP meet the *sizing criteria* specified in the New York State Stormwater Management Design Manual, January 2015 (NYS SWMDM 2015), and performance criteria, or equivalent, including Operation & Maintenance Plans for long term maintenance;
- c) Construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste, all of which may cause adverse impacts to water quality; and
- d) Receive and collect information related to compliance with the approved SWPPP including verification of maintenance of post-construction *SMPs* (if conducted by private entities).

F. Enforcement Measures & Tracking

1. Enforcement Response Plan

Within six (6) months, the *MS4 Operator* must *develop* and implement an enforcement response plan (ERP) which clearly describes the action(s) to be taken for violations that the *MS4 Operator* has enacted for illicit *discharge* (Part VI.C. or Part VII.C, depending on the MS4 Operator type), construction (Part VI.D. or Part VII.D, depending on the MS4 Operator type), and post-construction (Part VI.E. or Part VII.E, depending on the MS4 Operator type). The ERP must be documented in the *SWMP Plan*. The ERP must set forth a protocol to address repeat and continuing violations through progressively stricter responses (i.e., escalation of enforcement) as needed to achieve compliance with the terms and conditions of this *SPDES* general permit.

- a. The ERP must describe how the *MS4 Operator* will use the following types of enforcement responses or combination of responses:
 - i. Verbal warnings;
 - ii. Written notices;
 - iii. Citations (and associated fines);
 - iv. Stop work orders;
 - v. Withholding of plan approvals or other authorizations affecting the ability to *discharge* to the *MS4*; and
 - vi. Additional measures, supported in local legal authorities, such as collecting against the project's bond or directly billing the responsible party to pay for work and materials to correct violations.
- b. Enforcement responses are based on the type, magnitude, and duration of the violation, effect of the violation on the receiving water, compliance history of the operator, and good faith of the operator in compliance efforts.

- c. Efforts to obtain a voluntary correction of deficiencies through informal enforcement, such as verbal warnings or written notices, must not exceed sixty (60) days in duration (from the time of the *MS4 Operator's* initial determination until a return to compliance).

2. Enforcement Tracking

The *MS4 Operator* must track instances of non-compliance in the *SWMP Plan*. The enforcement case documentation must include, at a minimum, the following:

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

Part V. Recordkeeping, Reporting, and SWMP Evaluation

A. Recordkeeping

The *MS4 Operator* must keep records required by this *SPDES* general permit for five (5) years after they are generated. Records must be submitted to the *Department* within a reasonable specified time period of a written *Department* request for such information. Documents can be maintained in electronic format if the manner reasonably assures the integrity of the records, in accordance with NYCRR 750-2.5(e)(1). Records, including the NOI and the SWMP Plan, must be made available to the public at reasonable times during regular business hours.

B. Reporting

1. Report Submittal

- a. Reports must be submitted electronically to the *Department* using the forms located on the Department's website (<http://www.dec.ny.gov/>).
- b. Electronic Submission Waiver
 - ii. *MS4 Operators* must submit all reports electronically unless the *MS4 Operator* has received a waiver from the *Department* based on one of the following conditions:

- a) If the *MS4 Operator* is physically located in a geographical area (i.e., zip code or census tract) that is identified as under-served for broadband internet access in the most recent report from the Federal Communications Commission; or
- b) If the *MS4 Operator* has limitations regarding available computer access or computer capability.
- iii. If an *MS4 Operator* wishes to obtain a waiver from submitting a report electronically, the *MS4 Operator* must submit a request using the Application for Electronic Submittal Waiver to the *Department* at the following address:

NYS DEC Bureau of Water Compliance
MS4 NOTICE OF INTENT WAIVER
625 Broadway 4th Floor
Albany, New York 12233-3505
- iv. A waiver may only be considered granted once the *MS4 Operator* receives written confirmation from the *Department*.
- v. *MS4 Operators* must document the electronic submission waiver in the *SWMP Plan*, if applicable.

2. Annual Reports

- a. Annually, *MS4 Operators* must submit an Annual Report to the *Department* using the form provided by the *Department*. The completion of this permit requirement must be documented in the *SWMP Plan*.
- b. The reporting period for the Annual Report is January 3 of the current year to January 2 of the following year (Reporting Year).
- c. For *MS4 Operators* continuing coverage, the Annual Report must be submitted to the *Department* by April 1 of the year following the end of the Reporting Year.
- d. For newly designated *MS4 Operators*, if authorization to discharge is granted:
 - i. Before September 30, the first Annual Report must be submitted by April 1 of the year following the end of the Reporting Year; or
 - ii. After September 30, the first Annual Report must be submitted by April 1 following their first complete Reporting Year.

3. Interim Progress Certifications

- a. Twice a year, *MS4 Operators* must submit to the *Department* an Interim Progress Certification that verifies the activities included in this *SPDES* general permit have been completed by the date specified using the form provided by the *Department*. The completion of this permit requirement must be documented in the *SWMP Plan*.

- b. *MS4 Operators* located within the watersheds listed in Table 3 must include additional information to identify the activities that have been performed during the reporting period to demonstrate progress made by the *MS4 Operator* towards completion of the reduction requirements, prescribed in Part IX.
- c. An Interim Progress Certification for the period of January 3 through June 30 of the same year must be submitted to the *Department* by October 1 of the same year. An Interim Progress Certification for the period of July 1 through January 2 of the following year must be submitted to the *Department* by April 1 of the following year along with the Annual Report. Submission of the Annual Report is not a substitute for submission of the Interim Progress Certification.

4. Shared Annual Reporting

MS4 Operators working together to implement their *SWMPs* may complete and submit a shared Annual Report to satisfy the reporting requirements specified in Part V.B.2.

- a. The shared Annual Report must outline and explain group activities, but also include the tasks performed by each individual *MS4 Operator*.
- b. On or before the reporting deadline, April 1, each *MS4 Operator* within the group, must sign the certification section of the Annual Report to take responsibility for the information in the Annual Report, which includes specific endorsement or acceptance of both the shared Annual Report information and Annual Report information on behalf of the individual *MS4 Operator*.

5. Certification

All reports specified within this Part must be signed and certified in accordance with Part X.J.

6. Annual Report and Interim Progress Certification Content

The Annual Report and Interim Progress Certifications shall summarize the activities performed throughout the Reporting Year, including:

- a. The status of compliance with permit requirements;
- b. Information documented in the *SWMP Plan*, as specified throughout this *SPDES* general permit; and
- c. A certification statement in accordance with 40 CFR 122.22(d).

C. *SWMP* Evaluation

Once every five (5) years, the *MS4 Operator* must evaluate the *SWMP* for compliance with the terms and conditions of this *SPDES* general permit, including the effectiveness or deficiencies of components of the individual *SWMP Plan*, and

the status of achieving the requirements outlined in this *SPDES* general permit. The *SWMP* evaluation must be documented in the *SWMP Plan*.

Part VI. Minimum Control Measures (MCMs) for *Traditional Land Use Control MS4 Operators*

In addition to the requirements contained in Part I. through Part V, *traditional land use control MS4 Operators* must comply with the MCMs contained in this Part.

A. MCM1 – Public Education and Outreach Program

The *MS4 Operator* must *develop* and implement an education and outreach program to increase public awareness of *pollutant* generating activities and behaviors. 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.

1. Development

a. Focus Areas

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the focus areas in the *SWMP Plan*. The focus areas to be considered are as follows:

- i. Areas *discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a));
- ii. *Sewersheds* for impaired waters listed in Appendix C (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.c. for *MS4 Operators* continuing coverage and Part IV.D.2.a.ii. for newly designated *MS4 Operators*);
- iii. *TMDL* watersheds (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));
- iv. Areas with *construction activities*;
- v. Areas with on-site wastewater systems (subject to Part VIII. or Part IX. requirements);
- vi. Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.e.iii.);
- vii. *Stormwater hotspots*; and
- viii. Areas with *illicit discharges*.

b. Target Audiences and Associated *Pollutant* Generating Activities

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the applicable target audience(s) and associated *pollutant* generating activities that the outreach and education will address for each focus area identified by the *MS4 Operator* in Part VI.A.1.a. in the *SWMP Plan*. The target audiences are as follows:

- i. Residents;
- ii. Commercial:¹⁰ Business owners and staff;
- iii. Institutions:¹¹ Managers, staff, and students;
- iv. Construction: Developers, contractors, and design professionals;
- v. Industrial:¹² Owners and staff; and
- vi. *MS4 Operator's municipal* staff.

c. Education and Outreach Topics

Within three (3) years of the EDC, the *MS4 Operator* must identify and document in the *SWMP Plan* the education and outreach topics and how the education and outreach topics will reduce the potential for *pollutants* to be generated by the target audience(s) (Part VI.A.1.b.) for the focus area(s) (Part VI.A.1.a.).

d. *Illicit Discharge* Education

Within six (6) months of the EDC, the *MS4 Operator* must 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*. The information related to the prevention of *illicit discharges* must include the following:

- i. What types of *discharges* are allowable (Part I.A.3.);
- ii. What is an *illicit discharge* and why is it prohibited (Part VI.C.);
- iii. The environmental hazards associated with *illicit discharges* and improper disposal of waste;
- iv. 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
- v. How to report *illicit discharges* they may observe (Part VI.C.1.a.).

2. Implementation and Frequency

a. Distribution Method of Educational Messages

Once every five (5) years, the *MS4 Operator* must identify and document in the *SWMP Plan* which of the following method(s) are used for the distribution of educational messages:

- i. Printed materials (e.g., mail inserts, brochures, and newsletters);
- ii. Electronic materials (e.g., websites, email listservs);

¹⁰ Business, retail stores, and restaurants.

¹¹ Hospitals, churches, colleges, and schools.

¹² Factories, recyclers, auto-salvage, and mines.

- iii. Mass media (e.g., newspapers, public service announcements on radio or cable);
- iv. Workshops or focus groups;
- v. Displays in public areas (e.g., town halls, library, parks); or
- vi. Social Media (e.g., Facebook, Twitter, blogs).

b. Frequency

Following the completion of Part VI.A.1.a, Part VI.A.1.b, and Part VI.A.1.c, within five (5) years of the EDC, and once every five (5) years, thereafter, the *MS4 Operator* must:

- i. Deliver an educational message to each target audience(s) (Part VI.A.1.b.) for each focus area(s) (Part VI.A.1.a.) based on the defined education and outreach topic(s) (Part VI.A.1.c.); and
- ii. Document the completion of this requirement in the *SWMP Plan*.

c. Updates to the Public Education and Outreach Program

Following the completion of Part VI.A.1.a, Part VI.A.1.b, and Part VI.A.1.c, annually, by April 1, the *MS4 Operator* must:

- i. Review and update the focus areas, target audiences, and/or education and outreach topics; and
- ii. Document the completion of this requirement in the *SWMP Plan*.

B. MCM 2 - Public Involvement/Participation

The *MS4 Operator* must provide opportunities to involve the public in the development, review, and implementation of the *SWMP*. This MCM is designed to give the public the opportunity to include their opinions in the implementation of this *SPDES* general permit.

1. Public Involvement/Participation

- a. Annually, the *MS4 Operator* must provide an opportunity for public involvement/participation in the development and implementation of the *SWMP*. The *MS4 Operator* must document the public involvement/participation opportunities in the *SWMP Plan*. The opportunities for public involvement/participation are as follows:
 - i. Citizen advisory group on *stormwater* management;
 - ii. Public hearings or meetings;
 - iii. Citizen volunteers to educate other individuals about the *SWMP*;
 - iv. Coordination with other pre-existing public involvement/participation opportunities;

- v. Reporting concerns about activities or behaviors observed; or
 - vi. Stewardship activities.
- b. Annually, the *MS4 Operator* must inform the public of the opportunity (Part VI.B.1.a.) for their involvement/participation in the development and implementation of the *SWMP* and how they can become involved. The *MS4 Operator* must document the method for distribution of this information in the *SWMP Plan*. The methods for distribution are as follows:
- i. Public notice;
 - ii. Printed materials (e.g., mail inserts, brochures and newsletters);
 - iii. Electronic materials (e.g., websites, email listservs);
 - iv. Mass media (e.g., newspapers, public service announcements on radio or cable);
 - v. Workshops or focus groups;
 - vi. Displays in public areas (e.g., town halls, library, parks); or
 - vii. Social Media (e.g., Facebook, Twitter, blogs).
- c. Within six (6) months of the EDC, the *MS4 Operator* must 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*.

2. Public Notice and Input Requirements

a. Public Notice and Input Requirements for *SWMP Plan*

Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the publicly available *SWMP Plan* (Part IV.B.2.b.). The public must have the ability to ask questions and submit comments on the *SWMP Plan*. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by Part VI.B.1.

b. Public Notice and Input Requirements for Draft Annual Report

- i. Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the draft Annual Report. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by either:
 - a) 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*, as designated by the *MS4* or if requested by the public. The public must have the ability to ask

questions about and make comments on the draft annual report during that presentation; or

- b) 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. However, if a public meeting is requested by two or more persons, the *MS4 Operator* must hold such a meeting.

c. **Consideration of Public Input**

- i. Annually, the *MS4 Operator* must include a summary of comments received on the *SWMP Plan* and draft Annual Report in the *SWMP Plan*.
- ii. Within thirty (30) days of when public input is received, the *MS4 Operator* must update the *SWMP Plan*, where appropriate, based on the public input received.

C. **MCM 3 - Illicit Discharge Detection and Elimination**

The *MS4 Operator* must *develop*, implement, and enforce a program which systematically detects, tracks down, and eliminates *illicit discharges* to the *MS4*. This MCM is designed to manage the *MS4* so it is not conveying *pollutants* associated with flows other than those directly attributable to *stormwater* runoff.

1. **Illicit Discharge Detection**

a. **Public Reporting of Illicit Discharges**

- i. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report *illicit discharges*.
- ii. Within thirty (30) days of an *illicit discharge*, the *MS4 Operator* must document each report of an *illicit discharge* in the *SWMP Plan* with the following information:
 - a) Date of the report;
 - b) Location of the *illicit discharge*;
 - c) Nature of the *illicit discharge*;
 - d) Follow up actions taken or needed (including response times); and
 - e) Inspection outcomes and any enforcement taken.

b. **Monitoring Locations**

The monitoring locations used to detect *illicit discharges* are identified as follows:

- i. *MS4 outfalls*;¹³

¹³ *MS4 outfalls* can be found at a *municipal facility*.

- ii. *Interconnections*; ¹⁴ and
- iii. *Municipal facility intraconnections*. ¹⁵

c. **Monitoring Locations Inventory**

- i. Within three (3) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of the monitoring locations in the *SWMP Plan*. The following information must be included in the inventory: ¹⁶
 - a) Inventory information for *MS4 outfalls*
 - i) ID;
 - ii) Prioritization (high or low) (Part VI.C.1.d.);
 - iii) Type of monitoring location (Part VI.C.1.b.);
 - iv) Name of *MS4 Operator's municipal facility*, if located at a *municipal facility*; ¹⁷
 - v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
 - vi) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
 - vii) Land use in drainage area;
 - viii) Type of conveyance (open drainage or closed pipe);
 - ix) Material;
 - x) Shape;
 - xi) Dimensions;
 - xii) Submerged in water; and
 - xiii) Submerged in sediment.
 - b) Inventory information for *interconnections*
 - i) ID;
 - ii) Prioritization (high or low) (Part VI.C.1.d.);
 - iii) Type of monitoring location (Part VI.C.1.b.);
 - iv) Name of *MS4 Operator* receiving *discharge* or private storm system;
 - v) Name of *MS4 Operator's municipal facility*, if located at a *municipal facility*; and
 - vi) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).
 - c) Inventory information for *municipal facility intraconnections*
 - i) ID;
 - ii) Prioritization (high or low) (Part VI.C.1.d.);

¹⁴ *Interconnections* can be found at a *municipal facility*.

¹⁵ *Municipal facility intraconnections* can be found only at a *municipal facility*.

¹⁶ The information included in the inventory is collected during inspections on the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) unless otherwise specified by the permit conditions.

¹⁷ This information is collected as part of the *municipal facility* inventory.

- iii) Type of monitoring location (Part VI.C.1.b.);
- iv) Name of *MS4 Operator's municipal facility*; and
- v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).

- ii. Annually, the *MS4 Operator* must update the inventory if monitoring locations are created or discovered.

d. Monitoring Locations Prioritization

- i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize monitoring locations which are included in the monitoring locations inventory (Part VI.C.1.c.) as follows:
 - a) High priority monitoring locations include monitoring locations:
 - i) At a high priority *municipal facility*, as defined in Part VI.F.2.c;
 - ii) *Discharging* to impaired waters (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.e.ii.b));
 - iii) *Discharging* within a TMDL watershed (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));
 - iv) *Discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a)); and/or
 - v) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.
 - b) All other monitoring locations are considered low priority.
- ii. Within thirty (30) days of when a monitoring location is constructed or the *MS4 Operator* discovers it, the *MS4 Operator* must prioritize those monitoring locations; and
- iii. Annually, after the initial prioritization (Part VI.C.1.d.i.), the *MS4 Operator* must update the monitoring location prioritization in the inventory (Part VI.C.1.c.) based on information gathered as part of the monitoring location inspection and sampling program (Part VI.C.1.e.). The completion of this permit requirement must be documented in the *SWMP Plan*.

e. Monitoring Locations Inspection and Sampling Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement a monitoring locations inspection and sampling program. The monitoring locations inspection and sampling program must be documented in the *SWMP Plan* specifying:

- i. The monitoring locations inspection and sampling procedures including:

- a) During *dry weather*,¹⁸ one (1) inspection of each monitoring location identified in the inventory (Part VI.C.1.c.) every five (5) years following the most recent inspection;
- b) Documentation of all monitoring location inspections, including any sampling results, using the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) or an equivalent form containing the same information and include the completed monitoring location inspections and sampling results in the *SWMP Plan* (e.g., the completed Monitoring Locations Inspection and Sampling Field Sheets);
- c) Provisions to sample all monitoring locations which had inspections which resulted in a *suspect* or *obvious illicit discharge* characterization. The sampling requirement is based on the number and severity of *physical indicators present in the flow* to better inform track down procedures (Part VI.C.2.). If the source of the *illicit discharge* is clear and discernable (e.g., sewage), sampling is not necessary;
- d) Sampling may be done with field test kits or field instrumentation that are sufficiently sensitive to detect the parameter below the sampling action level used¹⁹ and are not subject to 40 CFR Part 136 requirements for approved methods and certified laboratories;
- e) Provisions to initiate, or cause to initiate,²⁰ track down procedures (Part VI.C.2.a.), in accordance with the timeframes specified in Part VI.C.2.a.iii, for monitoring locations with an overall characterization²¹ as *suspect illicit discharge* or *obvious illicit discharge* or that exceed any sampling action level used;
- f) Provisions to re-inspect the monitoring location within thirty (30) days of initial inspection if there is a *physical indicator not related to flow*, potentially indicative of *intermittent* or *transitory discharges*, utilizing techniques described in Chapter 12.6 of the Center for Watershed Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) or equivalent.
- i) If those same physical indicators persist, the *MS4 Operator* must initiate *illicit discharge* track down procedures (Part VI.C.2.a.).

¹⁸ MS4 Operators can reference the Center for Watershed Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) for other factors to consider when determining when to conduct monitoring location inspection and sampling.

¹⁹ Refer to Chapter 12 of the CWP 2004 for parameters, sampling action levels, and procedures.

²⁰ If track down is conducted by individuals or entities other than those conducting the monitoring locations inspections.

²¹ Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

- ii. The training provisions for the *MS4 Operator's* monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.).
 - a) If new staff are added, training on the *MS4 Operator's* monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling procedures;
 - b) For existing staff, training on the *MS4 Operator's* monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling and once every five (5) years, thereafter; and
 - c) If the monitoring locations inspection and sampling procedures (Part VI.C.1.e.i.) are updated (Part VI.C.1.e.iv.), training on the updates must be given to all staff prior to conducting monitoring locations inspections and sampling.
- iii. The names, titles, and contact information for the individuals who have received monitoring locations inspection and sampling procedures training and update annually; and
- iv. Annually, by April 1, the *MS4 Operator* must:
 - a) Review and update the monitoring location inspection and sampling procedures (Part VI.C.1.e.i.) based on monitoring location inspection results (e.g., trends, patterns, areas with *illicit discharges*, and common problems); and
 - b) Document the completion of this requirement in the *SWMP Plan*.

2. *Illicit Discharge Track Down Program*

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* track down program to identify the source of *illicit discharges* and the responsible party. The *illicit discharge* track down program must be documented in the *SWMP Plan* specifying:

- a. The *illicit discharge* track down procedures including:
 - i. Procedures as described in Chapter 13 of CWP 2004 or equivalent;
 - ii. Steps taken for *illicit discharge* track down procedures;
 - iii. The following timeframes to initiate *illicit discharge* track down:
 - a) Within twenty-four (24) hours of discovery, the *MS4 Operator* must initiate track down procedures for flowing *MS4* monitoring locations with *obvious illicit discharges*;²²

²² Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

- b) Within two (2) hours of discovery, the *MS4 Operator* must initiate track down procedures for *obvious illicit discharges* of sanitary wastewater that would affect bathing areas during bathing season, shell fishing areas or public water intakes and report orally or electronically to the Regional Water Engineer and local health department; and
 - c) Within five (5) days of discovery, the *MS4 Operator* must initiate track down procedures for *suspect illicit discharges*.
- b. The training provisions for the *MS4 Operator's illicit discharge* track down procedures (Part VI.C.2.a.).
 - i. If new staff are added, training on the *MS4 Operator's illicit discharge* track down procedures (Part VI.C.2.a.) must be given prior to conducting *illicit discharge* track downs;
 - ii. For existing staff, training on the *MS4 Operator's illicit discharge* track down procedures (Part VI.C.2.a.) must be given prior to *conducting illicit discharge* track downs and once every five (5) years, thereafter; and
 - iii. If the *illicit discharge* track down procedures (Part VI.C.2.a.) are updated (Part VI.C.2.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* track downs.
- c. The names, titles, and contact information for the individuals who have received *illicit discharge* track down procedures training and update annually; and
- d. Annually, by April 1, the *MS4 Operator* must:
 - i. Review and update the *illicit discharge* track down procedures (Part VI.C.2.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

3. *Illicit Discharge Elimination Program*

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* elimination program. The *illicit discharge* elimination program must be documented in the *SWMP Plan* specifying:

- a. The *illicit discharge* elimination procedures including:
 - i. Provisions for escalating enforcement and tracking, both consistent with the ERP required in Part IV.F. of this *SPDES* general permit;
 - ii. Provisions to confirm the corrective actions have been taken;
 - iii. Steps taken for *illicit discharge* elimination procedures; and
 - iv. The following timeframes for *illicit discharge* elimination:
 - a) Within twenty-four (24) hours of identification of an *illicit discharge* that has a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge*;

- b) Within five (5) days of identification of an *illicit discharge* that does not have a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge*; and
 - c) Where elimination of an *illicit discharge* within the specified timeframes (Part VI.C.3.a.iv.) is not possible, the *MS4 Operator* must notify the Regional Water Engineer.
- b. The training provisions for the *MS4 Operator's illicit discharge* elimination procedures (Part VI.C.3.a.).
 - i. If new staff are added, training on the *MS4 Operator's illicit discharge* elimination procedures (Part VI.C.3.a.) must be given prior to conducting *illicit discharge* eliminations;
 - ii. For existing staff, training on the *MS4 Operator's illicit discharge* elimination procedures (Part VI.C.3.a.) must be given prior to conducting *illicit discharge* eliminations and once every five (5) years, thereafter; and
 - iii. If the *illicit discharge* elimination procedures (Part VI.C.3.a.) are updated (Part VI.C.3.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* eliminations.
- c. The names, titles, and contact information for the individuals who have received *illicit discharge* elimination procedures training and update annually; and
- d. Annually, by April 1, the *MS4 Operator* must:
 - i. Review and update the *illicit discharge* elimination procedures (Part VI.C.3.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

D. MCM 4 - Construction Site *Stormwater* Runoff Control

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure construction sites are effectively controlled. This MCM is designed to prevent *pollutants* from construction related activities,²³ as well as promote the proper planning and installation of post-construction *SMPs*.

1. Applicable Construction Activities/Projects/Sites

- a. The construction site *stormwater* runoff control program must address *stormwater* runoff to the *MS4* from sites with *construction activities* that:
 - i. Result in a total land disturbance of greater than or equal to one acre; or

²³ Projects that comply with the terms and conditions of the CGP or an individual *SPDES* permit for *stormwater* for which they obtained coverage and local erosion and sediment control requirements are effectively controlled.

- ii. Disturb less than one acre if part of a larger common plan of development or sale.
- b. For *construction activities* where the *MS4 Operator* is listed as the owner/operator on the Notice of Intent for coverage under the CGP:
 - i. The *MS4 Operator* must ensure compliance with the CGP; and
 - ii. The additional requirements for construction oversight described in Part VI.D.6 through Part VI.D.9 are not required.

2. Public Reporting of Construction Site Complaints

- a. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report complaints related to construction *stormwater* activity.
- b. The *MS4 Operator* must document reports of construction site complaints in the *SWMP Plan* with the following information:
 - i. Date of the report;
 - ii. Location of the construction site;
 - iii. Nature of complaint;
 - iv. Follow up actions taken or needed; and
 - v. Inspection outcomes and any enforcement taken.

3. Construction Oversight Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a construction oversight program. The construction oversight program must be documented in the *SWMP Plan* specifying:

- a. The construction oversight procedures including:
 - i. When the construction site *stormwater* control program applies (Part VI.D.1.);
 - ii. What types of *construction activity* require a SWPPP;
 - iii. The procedures for submission of SWPPPs;
 - iv. SWPPP review requirements (Part VI.D.6.)
 - v. Pre-construction oversight requirements (Part VI.D.7.)
 - vi. Construction site inspection requirements (Part VI.D.8.);
 - vii. Construction site close-out requirements (Part VI.D.9.);
 - viii. Enforcement process/expectations for compliance; and
 - ix. Other procedures associated with the control of *stormwater* runoff from applicable *construction activities*.

- b. The training provisions for the *MS4 Operator's* construction oversight procedures (Part VI.D.3.a.).
 - i. If new staff are added, training on the *MS4 Operator's* construction oversight procedures (Part VI.D.3.a.) must be given prior to conducting any construction oversight activities;
 - ii. For existing staff, training on the *MS4 Operator's* construction oversight procedures (Part VI.D.3.a.) must be given prior to conducting any construction oversight activities and once every five (5) years, thereafter; and
 - iii. If the construction oversight procedures (Part VI.D.3.a.) are updated (Part VI.D.3.a.), training on the updates must be given to all staff prior to conducting construction oversight.
- c. The names, titles, and contact information for the individuals who have received construction oversight training and update annually;
- d. Procedures to ensure those involved in the *construction activity* itself (e.g., contractor, subcontractor, *qualified inspector*, SWPPP reviewers) have received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity; and
- e. Annually, by April 1, the *MS4 Operator* must:
 - i. Review and update the construction oversight procedures (Part VI.D.3.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

4. Construction Site Inventory & Inspection Tracking

- a. Within six (6) months of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all applicable construction sites (Part VI.D.1.a.) in the *SWMP Plan*. The following information must be included in the inventory:
 - i. Location of the construction site;
 - ii. Owner/operator contact information, if other than the *MS4 Operator*;
 - iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
 - iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
 - v. Prioritization (high or low) (Part VI.D.5.);
 - vi. Construction project *SPDES* identification number;
 - vii. SWPPP approval date;
 - viii. Inspection history, including dates and ratings (satisfactory, marginal, or unsatisfactory, when available); and

- ix. Current status of the construction site/project (i.e., active, temporarily shut down, complete²⁴).
- b. Annually, the *MS4 Operator* must update the inventory if construction projects are approved or completed.

5. Construction Site Prioritization

- a. Within one (1) year of the EDC, the *MS4 Operator* must prioritize all construction sites which are included in the construction site inventory (Part VI.D.4.) as follows:
 - i. High priority construction sites include construction sites:
 - a) With a direct conveyance (e.g., channel, ditch, storm sewer) to a *surface water of the State* that is:
 - i) Listed in Appendix C with silt/sediment, phosphorus, or nitrogen as the POC;
 - ii) Classified as AA-S, AA, or A (mapped in accordance with Part IV.D.1.e.ii.a)); or
 - iii) Classified with a trout (T) or trout spawning (TS) designation (mapped in accordance with Part IV.D.1.e.ii.a));
 - b) With greater than five (5) acres of disturbed earth at any one time;
 - c) With earth disturbance within one hundred (100) feet of any lake or pond (mapped in accordance with Part IV.D.1.e.ii.b)); and/or
 - d) Within fifty (50) feet of any rivers or streams (mapped in accordance with Part IV.D.1.e.ii.b));
 - ii. All other construction sites are considered low priority.
- b. Within thirty (30) days of when a construction site becomes active, the *MS4 Operator* must prioritize those construction sites; and
- c. Annually, after the initial prioritization (Part VI.D.5.a.), the *MS4 Operator* must update the construction site prioritization in the inventory (Part VI.D.4.a.) based on information gathered as part of the construction oversight program (Part VI.D.3.). The completion of this permit requirement must be documented in the *SWMP Plan*.
 - i. If the prioritization of the construction site changes priority based on information gathered as part of the construction oversight program, the *MS4 Operator* must comply with the requirements that apply to that prioritization.

²⁴ Construction projects listed on the inventory must be inspected and tracked as described in Part VI.D.8. until a final site inspection has been completed as specified in Part VI.D.9. and the construction site status changes to complete.

6. SWPPP Review

The *MS4 Operator* must:

- a. Ensure individual(s), responsible for reviewing SWPPPs for acceptance, receive:
 - i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be completed within three (3) years of the EDC and every three (3) years thereafter.
 - ii. Document the completion of this requirement in the *SWMP Plan*.
- b. Ensure SWPPP reviewers receive this training (Part VI.D.6.a.) prior to conducting SWPPP reviews for acceptance.
 - i. Individuals without these trainings cannot review SWPPPs for acceptance.
 - ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.
- c. Ensure individuals responsible for reviewing SWPPPs review all SWPPPs for applicable *construction activities* (Part VI.D.1.) and for conformance with the requirements of the CGP, including:
 - i. Erosion and sediment controls must be reviewed for conformance with the NYS E&SC 2016, or equivalent;
 - ii. Individuals responsible for review of post-construction *SMPs* must be *qualified professionals* or under the supervision of a *qualified professional*; and
 - iii. Post-construction *SMPs* must be reviewed for conformance with the NYS SWMDM 2015 or equivalent, including:
 - a) All post-construction *SMPs* must meet the *sizing criteria* contained in the CGP and NYS SWMDM 2015.
 - b) Deviations from the performance criteria of the NYS SWMDM 2015 must demonstrate that they are equivalent.
 - c) The SWPPP must include an O&M plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction *SMP*. The SWPPP must identify the entity that will be responsible for the long-term operation and maintenance of each practice.
- d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VI.D.6.a.
- e. In the *SWMP Plan*, document the SWPPP review including the information found in Part III.B. of the CGP;
- f. Prioritize new *construction activities* (Part VI.D.5.a.); and

- g. Notify construction site owner/operators that their SWPPP has been accepted using the *MS4 SWPPP Acceptance Form*²⁵ created by the *Department* and required by the CGP, signed in accordance with Part X.J.

7. Pre-Construction Meeting

Prior to commencement of *construction activities*, the *MS4 Operator* must ensure a pre-construction meeting is conducted. The date and content of the pre-construction inspection/meeting must be documented in the *SWMP Plan*. The owner/operator listed on the CGP NOI (if different from the *MS4 Operator*), the *MS4 Operator*, contractor(s) responsible for implementing the SWPPP for the *construction activity*, and the *qualified inspector* (if required for the *construction activity* by Part IV.C. the CGP) must attend the meeting in order to:

- a. Confirm the approved project has received, or will receive²⁶, coverage under the CGP or an individual *SPDES* permit;
- b. Verify contractors and subcontractors selected by the owner/operator of the *construction activity* have identified at least one individual that has received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District or other endorsed entity as required by the CGP and Part VI.D.3.d; and
- c. Review the construction oversight program (Part VI.D.3.) and expectations for compliance.

8. Construction Site Inspections

The *MS4 Operator* must:

- a. Ensure individuals(s), responsible for construction site inspections, receive:
 - i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be complete, within three (3) years of the EDC and every three (3) years thereafter.
 - ii. Document the completion of this requirement in the *SWMP Plan*.
- b. Ensure all *MS4 Construction Site Inspectors* receive this training prior to conducting construction site inspections.
 - i. Individuals without these trainings cannot inspect construction sites.
 - ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.

²⁵ The *MS4 SWPPP Acceptance Form* can be found on the Department's website.

²⁶ Preconstruction meetings may occur prior to the issuance of the *MS4 SWPPP Acceptance Form*, however, the *MS4 Operator* must confirm coverage under the CGP will be applied for by the construction site owner/operator prior to commencement of construction of *construction activities*.

- c. Annually inspect all sites with *construction activity* identified in the inventory (Part VI.D.4.) during active construction after the pre-construction meeting (Part VI.D.7.), or sooner if deficiencies are noted that require attention.
 - i. Follow up to construction site inspections must confirm corrective actions are completed within timeframes established by the CGP and the *MS4 Operator's* ERP (Part IV.F.1.).
- d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VI.D.8.a.
- e. Document all inspections using the Construction Site Inspection Report Form (Appendix D) or an equivalent form containing the same information. The *MS4 Operator* must include the completed Construction Site Inspection Reports in the *SWMP Plan*.

9. Construction Site Close-out

- a. The *MS4 Operator* must ensure a final construction site inspection is conducted and documentation of the final construction site inspection must be maintained in the *SWMP Plan*. The final construction site inspection must be documented using the Construction Site Inspection Report Form (Appendix D), or an equivalent form containing the same information, or accept the construction site owner/operator's *qualified inspector* final inspection certification required by the CGP.
- b. The Notice of Termination (NOT)²⁷ must be signed by the *MS4 Operator* as required by the CGP for projects determined to be complete. The NOT must be signed in accordance with Part X.J.

E. MCM 5 – Post-Construction Stormwater Management

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure proper operation and maintenance of post construction *SMPs* for new or redeveloped sites. This MCM is designed to promote the long-term performance of post-construction *SMPs* in removing *pollutants* from *stormwater* runoff.

1. Applicable Post-Construction SMPs

The post-construction *SMP* program must address *stormwater* runoff to the *MS4* from *publicly owned/operated* and *privately owned/operated* post-construction *SMPs* that meet the following:

- a. Post-construction *SMPs* that have been installed as part of any CGP covered construction site or individual *SPDES* permit (since March 10, 2003); and

²⁷ The NOT can be found on the Department's website.

- b. All new post-construction *SMPs* constructed as part of the construction site *stormwater* runoff control program (Part VI.D.).

2. Post-Construction *SMP* Inventory & Inspection Tracking²⁸

- a. The *MS4 Operators* continuing coverage must:
 - i. Maintain the inventory from previous iterations of this *SPDES* general permit for post-construction *SMPs* installed after March 10, 2003; and
 - ii. *Develop* the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs*:
 - a) As they are approved or discovered; or
 - b) After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VI.D.9.b.).
- b. The newly designated *MS4 Operators* must *develop* and maintain the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs*:
 - i. As they are approved or discovered; or
 - ii. After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VI.D.9.b.).
- c. Annually, the *MS4 Operator* must update the inventory of post-construction *SMPs* to include the post-construction *SMPs* in Part VI.E.2.a. and Part VI.E.2.b.
- d. Within five (5) years of the EDC, the following information must be included in the inventory either by using the *MS4 Operator* maintenance records or by verification of maintenance records provided by the owner of the post-construction *SMP*:
 - i. Street address or tax parcel;
 - ii. Type;²⁹
 - iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
 - iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
 - v. Date of installation (if available) or discovery;
 - vi. Ownership;
 - vii. Responsible party for maintenance;

²⁸ Post-construction *SMPs* can be found at a *municipal facility*.

²⁹ Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

- viii. Contact information for party responsible for maintenance;
 - ix. Location of documentation depicting O&M requirements and legal agreements for post-construction *SMP*;
 - x. Frequency for inspection of post-construction *SMP*, as specified in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017) or as specified in the O&M plan contained in the approved SWPPP (Part VI.D.6.);
 - xi. Reason for installation (e.g., new development, redevelopment, *retrofit*, flood control), if known;
 - xii. Date of last inspection;
 - xiii. Inspection results; and
 - xiv. Any corrective actions identified and completed.
- e. *MS4 Operators* must document the inventory of post-construction *SMPs* in the *SWMP Plan*.

3. SWPPP Review

For post-construction *SMP* SWPPP review requirements, see Part VI.D.6.

4. Post-Construction *SMP* Inspection & Maintenance Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a post-construction *SMP* inspection and maintenance program. The post-construction *SMP* inspection and maintenance program must be documented in the *SWMP Plan* specifying:

- a. The post-construction *SMP* inspection and maintenance procedures including:
 - i. Provisions to ensure that each post-construction *SMP* identified in the post-construction *SMP* inventory (Part VI.E.2.) is inspected at the frequency specified in the NYS DEC Maintenance Guidance 2017 or as specified in the O&M plan contained in the approved SWPPP (Part VI.D.6.), if available;
 - a) The *MS4 Operator* can only accept Level 1 inspections (NYS DEC Maintenance Guidance 2017) by private owners inspecting post-construction *SMPs*.
 - ii. Documentation of post-construction *SMP* inspections using the Post-Construction *SMP* Inspection Checklist³⁰ or an equivalent form containing the same information. The *MS4 Operator* must include the completed

³⁰ The *Department* developed checklist forms specific to each post-construction *SMP* designed to assist *MS4 Operators* in conducting inspections and maintenance activities of standard practices. The Post-Construction *SMP* Inspection Checklist, March 31, 2017, can be found on the Department's website.

- post-construction *SMP* inspections (i.e., the completed Post-Construction *SMP* Inspection Checklist) in the *SWMP Plan*;
- iii. Provisions to initiate follow-up actions (i.e., maintenance, repair, or higher-level inspection) within thirty (30) days of post-construction *SMP* inspection; and
 - iv. Provisions to initiate enforcement within sixty (60) days of the inspection if follow-up actions are not complete.
- b. The training provisions for the *MS4 Operator's* post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.).
- i. If new staff are added, training on the *MS4 Operator's* post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance;
 - ii. For existing staff, training on the *MS4 Operator's* post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance and once every five (5) years, thereafter; and
 - iii. If the post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.) are updated (Part VI.E.4.d.), training on the updates must be given to all staff prior to conducting post-construction *SMP* inspection and maintenance.
- c. The names, titles, and contact information for the individuals who have received post-construction *SMP* inspection and maintenance procedures training and update annually; and
- d. Annually, by April 1, the *MS4 Operator* must:
- i. Review and update the post-construction *SMP* inspection and maintenance procedures (Part VI.E.4.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

F. MCM 6 – Pollution Prevention and Good Housekeeping

The *MS4 Operator* must *develop* and implement a pollution prevention and good housekeeping program for *municipal facilities* and *municipal operations* to minimize *pollutant discharges*. This MCM is designed to ensure the *MS4 Operator's* own activities do not contribute *pollutants* to *surface waters of the State*.

1. *Best Management Practices (BMPs) for Municipal Facilities & Operations*

Within three (3) years of the EDC, the *MS4 Operator* must incorporate *best management practices (BMPs)* into the *municipal facility* program and *municipal operations* program to minimize the *discharge* of *pollutants* associated with *municipal facilities* and *municipal operations*, respectively. The *BMPs* to be considered are as follows and must be documented in the *SWMP Plan*:

a. Minimize Exposure

- i. Exposure of materials to rain, snow, snowmelt, and runoff must be minimized, unless not technologically possible or not economically practicable and achievable in light of best industry practices, including areas used for loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations, with the following *BMPs*:
 - a) Locate materials and activities inside or protect them with storm resistant coverings;
 - b) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;
 - c) Locate materials, equipment, and activities so leaks and spills are contained in existing containment and diversion systems;
 - d) Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the *discharge* of *pollutants*;
 - e) Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents;
 - f) Use spill/overflow protection equipment;
 - g) Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also captures any overspray;
 - h) Drain fluids, indoors or under cover, from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks; and/or
 - i) Minimize exposure of chemicals by replacing with a less toxic alternative (e.g., use non-hazardous cleaners).
- ii. *No Exposure Certification for High Priority Municipal Facilities*

- a) *Municipal facilities* may qualify for *No Exposure Certification* (Appendix D) when all activities and materials are completely sheltered from exposure to rain, snow, snowmelt and/or runoff.
- b) High priority *municipal facilities* (Part VI.F.2.c.i.a)) with uncovered parking areas for vehicles awaiting maintenance may be considered a low priority *municipal facility* (Part VI.F.2.c.i.c)) if only routine maintenance is performed inside and all other *no exposure* criteria are met.
- c) *Municipal facilities* accepting or repairing disabled vehicles and/or vehicles that have been involved in accidents are not eligible for the *No Exposure Certification*.
- d) *Municipal facilities* must maintain the *No Exposure Certification* and document in the *SWMP Plan*. The *No Exposure Certification* ceases to apply when activities or materials become exposed.

b. Follow a Preventive Maintenance Program

- i. Implement a preventative maintenance program that includes routine inspection, testing, maintenance, and repair of all fueling areas, vehicles and equipment and systems to prevent leaks, spills and other releases. This includes:
 - a) Performing inspections and preventive maintenance of *stormwater* drainage, source controls, treatment systems, and plant equipment and systems;
 - b) Maintaining non-structural *BMPs* (e.g., keep spill response supplies available, personnel appropriately trained, containment measures, covering fuel areas); and
 - c) Ensure vehicle washwater is not *discharged* to the *MS4* or to *surface waters of the State*. Wash equipment/vehicles in a designated and/or covered area where washwater is collected to be recycled or *discharged* to the sanitary sewer (Part I.B.2.d.).
- ii. Routine maintenance must be performed to ensure *BMPs* are operating properly.
- iii. When a *BMP* is not functioning to its designed effectiveness and needs repair or replacement:
 - a) Maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of *stormwater* controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable; and
 - b) Interim measures must be taken to prevent or minimize the *discharge* of *pollutants* until the final repair or replacement is implemented,

including cleaning up any contaminated surfaces so that the material will not be *discharged* during subsequent storm events.

c. **Spill Prevention and Response Procedures**

- i. Minimize the potential for leaks, spills and other releases that may be exposed to *stormwater* and *develop* plans for effective response to such spills if or when they occur. At a minimum, the *MS4 Operator* must:
 - a) Store materials in appropriate containers;
 - b) Label containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides”) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
 - c) Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the *discharge of pollutants* from these areas;
 - d) *Develop* procedures for stopping, containing, and cleaning up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
 - e) Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made;
 - f) *Develop* procedures for notification of the appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. If possible, one of these individuals should be a member of the *stormwater* pollution prevention team (Part VI.F.2.d.i.a)). Any spills must be reported in accordance with 6 NYCRR 750-2.7; and
 - g) Following any spill or release, the *MS4 Operator* must evaluate the adequacy of the *BMPs* identified in the *municipal facility* specific SWPPP. If the *BMPs* are inadequate, the SWPPP must be updated to identify new *BMPs* that will prevent reoccurrence and improve the emergency response to such releases.
- ii. Measures for cleaning up spills or leaks must be consistent with applicable petroleum bulk storage, chemical bulk storage, or hazardous waste management regulations at 6 NYCRR Parts 596-599, 613 and 370-373.
- iii. This *SPDES* general permit does not relieve the *MS4 Operator* of any reporting or other requirements related to spills or other releases of petroleum or hazardous substances. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR 597.4. Any spill of petroleum must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

d. Erosion and Sediment Controls³¹

- i. Stabilize exposed areas and control runoff using structural and/or non-structural controls to minimize onsite erosion and sedimentation.
- ii. The *MS4 Operator* must consider:
 - a) Structural and/or non-structural controls found in the NYS E&SC 2016;
 - b) Areas that, due to topography, land disturbance (e.g., construction), or other factors, have potential for significant soil erosion;
 - c) Whether structural, vegetative, and/or stabilization *BMPs* are needed to limit erosion;
 - d) Whether velocity dissipation devices (or equivalent measures) are needed at *discharge* locations and along the length of any channel to provide a non-erosive flow velocity from the structure to a water course; and
 - e) Address erosion or areas with poor vegetative cover, especially if the erosion is within fifty (50) feet of a *surface water of the State*.

e. Manage Vegetated Areas and Open Space on *Municipal Property*

- i. Maintain vegetated areas on *MS4 Operator* owned/operated property and right of ways:
 - a) Specify proper use, storage, and disposal of pesticides, herbicides, and fertilizers including minimizing the use of these products and using only in accordance manufacturer's instruction;
 - b) Use lawn maintenance and landscaping practices that are protective of water quality. Protective practices include: reduced mowing frequencies; proper disposal of lawn clippings; and use of alternative landscaping materials (e.g., drought resistant planting);
 - c) Place pet waste disposal containers and signage concerning the proper collection and disposal of pet waste at all parks and open space where pets are permitted; and
 - d) Address waterfowl congregation areas where needed to reduce waterfowl droppings from entering the *MS4*.

f. Salt³² Storage Piles or Pile Containing Salt

Enclose or cover storage piles of salt, or piles containing salt, used for deicing or maintenance of paved surfaces, except during loading, unloading, and handling. Implement appropriate measures (e.g., good housekeeping, routine sweeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile.

³¹ The use of the term "controls" in Part VI.F.1.d. aligns with the use of the term "controls" in the CGP.

³² For purposes of this *SPDES* general permit, salt means any chloride-containing material used to treat paved surfaces for deicing, including sodium chloride, calcium chloride, magnesium chloride, and brine solutions.

g. Waste, Garbage, and Floatable Debris

- i. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids and could leak, ensure that *discharges* have a control (e.g., secondary containment, treatment); and
- ii. Keep exposed areas free of waste, garbage, and debris or intercept them before they are *discharged*:
 - a) Manage trash containers at parks and open space (scheduled cleanings; sufficient number);
 - b) Pick up trash and debris on *MS4 Operator* owned/operated property and rights of way; and
 - c) Clean out *catch basins* within the appropriate timeframes (Part VI.F.3.c.iii.).

h. Alternative Implementation Options

When alternative implementation options (Part IV.A.1.) are utilized, require the parties performing *municipal operations* as contracted services, including but not limited to street sweeping, snow removal, and lawn/grounds care, to meet permit requirements as the requirements apply to the activity performed.

2. Municipal Facilities³³

a. Municipal Facility Program

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal facility* program. The *municipal facility* program must be documented in the *SWMP Plan* specifying:

- i. The *municipal facility* procedures including:
 - a) The *BMPs* (Part VI.F.1.) incorporated into the *municipal facility* program;
 - b) The high priority *municipal facility* requirements (Part VI.F.2.d.) as applied to the specific *municipal facility*; and
 - c) The low priority *municipal facility* requirements (Part VI.F.2.e.) as applied to the specific *municipal facility*.
- ii. The training provisions for the *MS4 Operator's municipal facility* procedures (Part VI.F.2.a.i.).
 - a) If new staff are added, training on the *MS4 Operator's municipal facility* procedures (Part VI.F.2.a.i.) must be given prior to conducting *municipal facility* procedures;
 - b) For existing staff, training on the *MS4 Operator's municipal facility* procedures (Part VI.F.2.a.i.) must be given prior to conducting

³³ *Municipal facilities* that have coverage under a separate *SPDES* permit (either individual or MSGP) must comply with the terms and conditions of that permit and the requirements set forth in this Part are not applicable.

municipal facility procedures and once every five (5) years, thereafter; and

- c) If the *municipal facility* procedures (Part VI.F.2.a.i.) are updated (Part VI.F.2.a.iv.), training on the updates must be given to all staff prior to conducting *municipal facility* procedures.
- iii. The names, titles, and contact information for the individuals who have received *municipal facility* training and update annually; and
- iv. Annually, by April 1, the *MS4 Operator* must:
 - a) Review and update the *municipal facility* procedures (Part VI.F.2.a.i.); and
 - b) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Facility Inventory*

- i. Within two (2) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all *municipal* facilities in the *SWMP Plan*. The following information must be included in the inventory:
 - a) Name of *municipal facility*;
 - b) Street address;
 - c) Type of *municipal facility*;
 - d) Prioritization (high or low) (Part VI.F.2.c.);
 - e) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)) ;
 - f) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
 - g) Contact information;
 - h) Responsible department;
 - i) Location of SWPPP (if high priority; when completed);
 - j) Type of activities present on site;
 - k) Size of facility (acres);
 - l) Date of last assessment;
 - m) *BMPs* identified; and
 - n) Projected date of next comprehensive site assessment (Part VI.F.2.d.ii.c) or Part VI.F.2.e.ii.c), depending on the *municipal facility* prioritization (Part VI.F.2.c.)).
- ii. Annually, the *MS4 Operator* must update the inventory if new *municipal* facilities are added.

c. *Municipal Facility Prioritization*

- i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize all known *municipal* facilities as follows:
 - a) High priority *municipal facilities* include *municipal* facilities that have one or more of the following on site and exposed to *stormwater*:
 - i) Storage of chemicals, salt, petroleum, pesticides, fertilizers, anti-freeze, lead-acid batteries, tires, waste/debris;
 - ii) Fueling stations; and/or
 - iii) Vehicle or equipment maintenance/repair.
 - b) Low priority *municipal facilities* include any *municipal* facilities that do not meet the criteria for a high priority (Part VI.F.2.c.i.a)) *municipal facility*.
 - c) High priority *municipal facilities* (Part IV.F.2.c.i.a)) which qualify for a *No Exposure* Certification (Part VI.F.1.a.ii.) are low priority *municipal* facilities.
- ii. Within thirty (30) days of when a *municipal facility* is added to the inventory, the *MS4 Operator* must prioritize those *municipal* facilities; and
- iii. Annually, after the initial prioritization (Part VI.F.2.c.i.), the *MS4 Operator* must update the *municipal facility* prioritization in the inventory (Part VI.F.2.b.i.) based on information gathered as part of the *municipal facility* program (Part VI.F.2.a.), including cases where a *No Exposure* Certification (Part VI.F.1.a.ii.) ceases to apply. The completion of this permit requirement must be documented in the *SWMP Plan*.

d. High Priority *Municipal Facility* Requirements

i. *Municipal Facility Specific SWPPP*

Within five (5) years of the EDC, *MS4 Operators* must *develop* and implement a *municipal facility* specific SWPPP for each high priority *municipal facility* (Part VI.F.2.c.i.a)) and retain a copy of the *municipal facility* specific SWPPP on site of the respective *municipal facility*. The SWPPP must contain:

a) *Stormwater* Pollution Prevention Team

The *municipal facility* specific SWPPP must identify the individuals (by name and/or title) and their role/responsibilities in *developing*, implementing, maintaining, and revising the *municipal facility* specific SWPPP. The activities and responsibilities of the team must address all aspects of the *municipal facility* specific SWPPP.

b) General Site Description

A written description of the nature of the activities occurring at the *municipal facility* with a potential to *discharge pollutants*, type of

pollutants expected, and location of key features as detailed in the site map (Part VI.F.2.d.i.e)).

c) Summary of potential *pollutant* sources

The *municipal facility* specific SWPPP must identify each area at the *municipal facility* where materials or activities are exposed to *stormwater* or from which authorized non-*stormwater discharges* (Part I.A.3.) originate, including any potential *pollutant* sources for which the *municipal facility* has reporting requirements under the Emergency Planning and Community Right-To-Know Act (EPCRA), Section 313.

- i) Materials or activities include: machinery; raw materials; intermediate products; byproducts; final products or waste products; and, material handling activities which includes storage, loading and unloading, transportation or conveyance of any raw material, intermediate product, final product or waste product.
- ii) For each separate area identified, the description must include:
 - (a) Activities - A list of the activities occurring in the area (e.g., material storage, equipment fueling and cleaning);
 - (b) Pollutants - A list of the associated *pollutant(s)* for each activity. The *pollutant(s)* list must include all materials that are exposed to *stormwater*, and
 - (c) Potential for presence in *stormwater* - For each area of the *municipal facility* that generates *stormwater discharges*, a prediction of the direction of flow, and the likelihood of the activity to contaminate the *stormwater discharge*. Factors to consider include the toxicity of chemicals, quantity of chemicals used, produced or *discharged*, the likelihood of contact with *stormwater*, and history of leaks or spills of toxic or hazardous *pollutants*.

d) Spills and Releases

For areas that are exposed to precipitation or that otherwise drain to a *stormwater* conveyance to be covered under this *SPDES* general permit, the *municipal facility* specific SWPPP must include a list of spills or releases³⁴ of petroleum and hazardous substances or other *pollutants*, including unauthorized *non-stormwater discharges*, that may adversely affect water quality that occurred during the last three-year period. The list must be updated when spills or releases occur.

e) Site Map

³⁴ This may also include releases of petroleum or hazardous substances that are not in excess of reporting quantities but which may still cause or contribute to significant water quality impairment.

The *municipal facility* specific SWPPP must include a site map identifying the following, as applicable:

- i) Property boundaries and size in acres;
- ii) Location and extent of significant structures (including materials shelters), and impervious surfaces;
- iii) Monitoring locations (mapped in accordance with Part IV.D.2.a.i.) with its approximate *sewershed*. Each monitoring location must be labeled with the monitoring location identification;
- iv) Location of all post-construction *SMPs* (mapped in accordance with Part IV.D.2.a.iv.) and *MS4* infrastructure (mapped in accordance with Part IV.D.2.b.i.);
- v) Locations of *discharges* authorized under other *SPDES* permits;
- vi) Locations where potential spills or releases can contribute to *pollutants* in *stormwater discharges* and their accompanying drainage points;
- vii) Locations of haul and access roads;
- viii) Rail cars and tracks;
- ix) Arrows showing direction of *stormwater* flow;
- x) Location of all receiving waters in the immediate vicinity of the *municipal facility*, indicating if any of the waters are impaired and, if so, whether the waters have *TMDLs* established for them (mapped in accordance with Part IV.D.1.e.ii.);
- xi) Locations where *stormwater* flows have significant potential to cause erosion;
- xii) Location and source of run-on from adjacent property containing significant quantities of *pollutants* and/or volume of concern to the *municipal facility*; and
- xiii) Locations of the following areas where such areas are exposed to precipitation or *stormwater*:
 - (a) Fueling stations;
 - (b) Vehicle and equipment maintenance and/or cleaning areas;
 - (c) Loading/unloading areas;
 - (d) Locations used for the treatment, storage or disposal of wastes;
 - (e) Liquid storage tanks;
 - (f) Processing and storage areas;
 - (g) Locations where significant materials, fuel or chemicals are stored and transferred;
 - (h) Locations where vehicles and/or machinery are stored when not in use
 - (i) Transfer areas for substances in bulk;

- (j) Location and description of non-*stormwater discharges* (Part I.A.3.);
- (k) Locations where spills³⁵ or leaks have occurred; and
- (l) Locations of all existing structural *BMPs*.

f) *Stormwater Best Management Practices (BMPs)*

The *municipal facility* specific SWPPP must document the location and type of *BMPs* implemented at the *municipal facility* (Part VI.F.1.). The *municipal facility* specific SWPPP must describe how each *BMP* is being implemented for all the potential *pollutant* sources.

g) *Municipal facility* assessments

The *municipal facility* specific SWPPP must include a schedule for completing and recording results of routine and comprehensive site assessments (Part VI.F.2.d.ii.c)).

ii. *Municipal Facility Assessments*

a) Wet Weather Visual Monitoring

- i) Once every five (5) years, the *MS4 Operator* must conduct wet weather visual monitoring of the monitoring locations (Part VI.C.1.b.) and other sites of *stormwater* leaving the site that are *discharging stormwater* from fueling areas, storage areas, vehicle and equipment maintenance/fueling areas, material handling areas and similar potential *pollutant* generating areas (Part VI.F.2.d.i.e)xiii)).
- (a) All samples must be collected from *discharges* resulting from a *qualifying storm event*. The storm event must be documented using the Storm Event Data Form (Appendix D) and kept with the *municipal facility* specific SWPPP. The sample must be taken during the first thirty (30) minutes (or as soon as practical, but not to exceed one hour) of the *discharge* at the monitoring location.
- (b) No analytical tests are required to be performed on the samples for the purpose of meeting the visual monitoring requirements.
- (c) The visual examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and any other obvious indicators of *stormwater* pollution.
- (d) The visual examination of the sample must be conducted in a well-lit area.

³⁵ A spill includes: any spill of a hazardous substance that must be reported in accordance with 6 NYCRR 597.4 and any spill of petroleum that must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

- (e) Where practicable, the same individual should carry out the collection and examination of *discharges* for the entire permit term for consistency.
- (f) The *MS4 Operator* must document the visual examination using the Visual Monitoring Form (Appendix D) and keep it with the *municipal facility* specific SWPPP to record:
 - (i) Monitoring location ID;
 - (ii) Examination date and time;
 - (iii) Personnel conducting the examination;
 - (iv) Nature of the *discharge* (runoff or snowmelt);
 - (v) Visual quality of the *stormwater discharge* including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of *stormwater* pollution; and
 - (vi) Probable sources of any observed *stormwater* contamination.
 - (vii) Corrective and follow up actions – If the visual examination indicates the presence of color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, or other indicators of *stormwater* pollution, the *MS4 Operator* must, at minimum, complete and document the following actions:
 - (1) Evaluate the facility for potential sources;
 - (2) Remedy the problems identified;
 - (3) Revise the *municipal facility* specific SWPPP; and
 - (4) Perform an additional visual inspection during the first *qualifying storm event* following implementation of the corrective action. If the first *qualifying storm event* does not occur until the next visual monitoring period, this follow up action may be used as the next visual inspection.
- b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VI.C.1.e.).
- c) Comprehensive Site Assessments
 - i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each high priority *municipal facility* as identified in the inventory (Part VI.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing

the same information, and document in the *municipal facility* specific SWPPP and *SWMP Plan* that:

- (a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;
- (b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which has a reasonable likelihood of adversely affecting human health or the environment;
 - (i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or
- (c) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;
 - (i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

e. Low Priority *Municipal Facility* Requirements

- i. The *MS4 Operator* must identify procedures outlining *BMPs* for the types of activities that occur at the low priority *municipal* facilities as described in Part VI.F.1. A *municipal facility* specific SWPPP is not required.
- ii. *Municipal Facility* Assessments
 - a) Low priority *municipal* facilities are not required to conduct wet weather visual monitoring.
 - b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VI.C.1.e.).
 - c) Comprehensive Site Assessments
 - i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each low priority *municipal facility* as identified in the inventory (Part VI.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing the same information, and document in the *SWMP Plan* that:
 - (a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;
 - (b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which

has a reasonable likelihood of adversely affecting human health or the environment;

- (i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or
- (c) Deficiencies were identified and all reasonable steps will be to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;
 - (i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

3. *Municipal Operations & Maintenance*

a. *Municipal Operations Program*

Municipal operations are: street and bridge maintenance; winter road maintenance; *MS4* maintenance; open space maintenance; solid waste management; new construction and land disturbances; right-of-way maintenance; marine operations; or hydrologic habitat modification.

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal operations* program. The *municipal operations* program must be documented in the *SWMP Plan* specifying:

- i. The *municipal operations* procedures including:
 - a) The *BMPs* (Part VI.F.1.) incorporated into the *municipal operations* program;
 - b) The *municipal operations* corrective actions requirements (Part VI.F.3.b.);
 - c) *Catch basin* inspection and maintenance requirements (Part VI.F.3.c.);
 - d) Roads, bridges, parking lots, and right of way maintenance requirements (Part VI.F.3.d.); and
 - e) All other *municipal operations* maintenance requirements.
- ii. The training provisions for the *MS4 Operator's municipal operations* procedures (Part VI.F.3.a.i.).
 - a) If new staff are added, training on the *MS4 Operator's municipal operations* procedures (Part VI.F.3.a.i.) must be given prior to conducting *municipal operations* procedures;

- b) For existing staff, training on the *MS4 Operator's municipal operations* procedures (Part VI.F.3.a.i.) must be given prior to conducting *municipal operations* procedures and once every five (5) years, thereafter; and
 - c) If the *municipal operations* procedures (Part VI.F.3.a.i.) are updated (Part VI.F.3.a.iv.), training on the updates must be given to all staff prior to conducting *municipal operations* procedures.
- iii. The names, titles, and contact information for the individuals who have received *municipal operations* training and update annually; and
- iv. Annually, by April 1, the *MS4 Operator* must:
 - a) Review and update the *municipal operations* procedures (Part VI.F.3.a.i.); and
 - c) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Operations Corrective Actions*

- i. For *municipal operations*, *MS4 Operators* must either:
 - a) Ensure compliance with the terms and conditions of this *SPDES* general permit; or
 - b) Implement corrective actions according to the following schedule and, after implementation, ensure the operations are in compliance with the terms and conditions of this *SPDES* general permit:
 - i) Within twenty-four (24) hours of discovery for situations that have a reasonable likelihood of adversely affecting human health or the environment;
 - ii) Initiated within seven (7) days of inspection and completed within thirty (30) days of inspection for situations that do not have a reasonable likelihood of adversely affecting human health or the environment; and
 - iii) For corrective actions that require special funding or construction that will take longer than thirty (30) days to complete, a schedule must be prepared that specifies interim milestones that will ensure compliance in the shortest reasonable time.

c. *Catch Basin Inspection and Maintenance*

Within three (3) years of the EDC, the *MS4 Operator* must:

- i. Identify when *catch basin* inspection is needed with consideration for:
 - a) Areas with *construction activities* (mapped in accordance with Part IV.D.2.a.iii.);
 - b) Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.d.iii.);

- c) Recurring or history of issues; or
 - d) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.
- ii. Inventory *catch basin* inspection information including:
 - a) Date of inspection;
 - b) Approximate level of trash, sediment, and/or debris captured at time of clean-out (no trash, sediment, and/or debris, <50% of the depth of the *sump*, >50% of the depth of the *sump*);
 - c) Depth of structure;
 - d) Depth of *sump*; and
 - e) Date of clean out, if applicable (Part VI.F.3.c.iii.).
- iii. Based on inspection results, clean out *catch basins* within the following timeframes:
 - a) Within six (6) months after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris exceeding 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out;
 - b) Within one (1) year after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris at less than 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out; and
 - c) MS4 Operators are not required to clean out *catch basins* if the *catch basins* are operating properly and:
 - i. There is no trash, sediment, and/or debris in the *catch basin*; or
 - ii. The *sump* depth of the *catch basin* is less than or equal to two (2) feet.
- iv. Properly manage (handling and disposal) materials removed from *catch basins* during clean out so that:
 - a) Water removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*;
 - b) Material removed from *catch basins* is disposed of in accordance with any applicable environmental laws and regulations; and
 - c) Material removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*.
- v. Determine if there are signs/evidence of *illicit discharges* and procedures for referral/follow-up if *illicit discharges* are encountered.

d. Roads, Bridges, Parking Lots, & Right of Way Maintenance

i. Sweeping

Within six (6) months of the EDC, the *MS4 Operator* must *develop* and implement procedures for sweeping and/or cleaning *municipal* streets, bridges, parking lots, and right of ways owned/operated by the *MS4 Operator*. The procedures and completion of permit requirements must be documented in the *SWMP Plan* specifying:

- a) All roads, bridges, parking lots, and right of ways must be swept and/or cleaned once every five (5) years in the spring (following winter activities such as sanding). 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b) 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 2013.

ii. Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VI.F.1.), the *MS4 Operator* must implement the following provisions:

- a) Pave, mark, and seal in dry conditions;
- b) Stage road operations and maintenance activity (e.g., patching, potholes) to reduce the potential discharge of pollutants to the *MS4* or *surface waters of the State*;
- c) Restrict the use of herbicides/pesticide application to roadside vegetation; and
- d) Contain *pollutants* associated with bridge maintenance activities (e.g., paint chips, dust, cleaning products, other debris).

iii. Winter Road Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VI.F.1.), the *MS4 Operator* must implement the following provisions:

- a) Routinely calibrate equipment to control salt/sand application rates; and

- b) Ensure that routine snow disposal activities comply with the Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal.³⁶

³⁶ The Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal can be found on the Department's website.

Part VII. Minimum Control Measures (MCMs) for *Traditional Non-Land Use Control & Non-Traditional MS4 Operators*

In addition to the requirements contained in Part I. through Part V, *traditional non-land use* and *non-traditional MS4 Operators* must comply with the MCMs contained in this Part. These *MS4 Operators* should consider their public to be:

- Employees (i.e., staff, faculty);
- User population/visitors;
- Students;
- Tenants; and
- Contractors & developers working for *MS4 Operator*.

A. MCM1 – Public Education and Outreach Program

The *MS4 Operator* must *develop* and implement an education and outreach program to increase public awareness of *pollutant* generating activities and behaviors. 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.

1. Development

a. Focus Areas

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the focus areas in the *SWMP Plan*. The focus areas to be considered are as follows:

- i. Areas *discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a));
- ii. *Sewersheds* for impaired waters listed in Appendix C (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.c. for *MS4 Operators* continuing coverage and Part IV.D.2.a.ii. for newly designated *MS4 Operators*);
- iii. *TMDL* watersheds (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));
- iv. Areas with *construction activities*;
- v. Areas with on-site wastewater systems (subject to Part VIII. or Part IX. requirements);
- vi. Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.e.iii.);
- vii. *Stormwater hotspots*; and
- viii. Areas with *illicit discharges*.

b. Target Audiences and Associated *Pollutant* Generating Activities

Within three (3) years of the EDC, the *MS4 Operator* must identify and document the applicable target audience(s) and associated *pollutant* generating activities that the outreach and education will address for each focus area identified by the *MS4 Operator* in Part VII.A.1.a. in the *SWMP Plan*. The target audiences are as follows:

- i. Residents;
- ii. Commercial:³⁷ Business owners and staff;
- iii. Institutions:³⁸ Managers, staff, and students;
- iv. Construction: Developers, contractors, and design professionals;
- v. Industrial:³⁹ Owners and staff; and
- vi. *MS4 Operator's municipal* staff.

c. Education and Outreach Topics

Within three (3) years of the EDC, the *MS4 Operator* must identify and document in the *SWMP Plan* the education and outreach topics and how the education and outreach topics will reduce the potential for *pollutants* to be generated by the target audience(s) (Part VII.A.1.b.) for the focus area(s) (Part VII.A.1.a.).

e. *Illicit Discharge* Education

Within six (6) months of the EDC, the *MS4 Operator* must 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*. The information related to the prevention of *illicit discharges* must include the following:

- i. What types of *discharges* are allowable (Part I.A.3.);
- ii. What is an *illicit discharge* and why is it prohibited (Part VII.C.);
- iii. The environmental hazards associated with *illicit discharges* and improper disposal of waste;
- iv. 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
- v. How to report *illicit discharges* they may observe (Part VII.C.1.a.).

³⁷ Business, retail stores, and restaurants.

³⁸ Hospitals, churches, colleges, and schools.

³⁹ Factories, recyclers, auto-salvage, and mines.

2. Implementation and Frequency

a. Distribution Method of Educational Messages

Once every five (5) years, the *MS4 Operator* must identify and document in the *SWMP Plan* which of the following method(s) are used for the distribution of educational messages:

- i. Printed materials (e.g., mail inserts, brochures, and newsletters);
- ii. Electronic materials (e.g., websites, email listservs);
- iii. Mass media (e.g., newspapers, public service announcements on radio or cable);
- iv. Workshops or focus groups;
- v. Displays in public areas (e.g., town halls, library, parks); or
- vi. Social Media (e.g., Facebook, Twitter, blogs).

b. Frequency

Following the completion of Part VII.A.1.a, Part VII.A.1.b, and Part VII.A.1.c, within five (5) years of the EDC, and once every five (5) years, thereafter, the *MS4 Operator* must:

- i. Deliver an educational message to each target audience(s) (Part VII.A.1.b.) for each focus area(s) (Part VII.A.1.a.) based on the defined education and outreach topic(s) (Part VII.A.1.c.); and
- ii. Document the completion of this requirement in the *SWMP Plan*.

c. Updates to the Public Education and Outreach Program

Following the completion of Part VII.A.1.a, Part VII.A.1.b, and Part VII.A.1.c, annually, by April 1, the *MS4 Operator* must:

- i. Review and update the focus areas, target audiences, and/or education and outreach topics; and
- ii. Document the completion of this requirement in the *SWMP Plan*.

B. MCM 2 - Public Involvement/Participation

The *MS4 Operator* must provide opportunities to involve the public in the development, review, and implementation of the *SWMP*. This MCM is designed to give the public the opportunity to include their opinions in the implementation of this *SPDES* general permit.

1. Public Involvement/Participation

- a. Annually, the *MS4 Operator* must provide an opportunity for public involvement/participation in the development and implementation of the *SWMP*. The *MS4 Operator* must document the public involvement/participation opportunities in the *SWMP Plan*. The opportunities for public involvement/participation are as follows:

- i. Citizen advisory group on *stormwater* management;
 - ii. Public hearings or meetings;
 - iii. Citizen volunteers to educate other individuals about the *SWMP*;
 - iv. Coordination with other pre-existing public involvement/participation opportunities;
 - v. Reporting concerns about activities or behaviors observed; or
 - vi. Stewardship activities.
- b. Annually, the *MS4 Operator* must inform the public of the opportunity (Part VII.B.1.a.) for their involvement/participation in the development and implementation of the *SWMP* and how they can become involved. The *MS4 Operator* must document the method for distribution of this information in the *SWMP Plan*. The methods for distribution are as follows:
- i. Public notice;
 - ii. Printed materials (e.g., mail inserts, brochures and newsletters);
 - iii. Electronic materials (e.g., websites, email listservs);
 - iv. Mass media (e.g., newspapers, public service announcements on radio or cable);
 - v. Workshops or focus groups;
 - vi. Displays in public areas (e.g., town halls, library, parks); or
 - vii. Social Media (e.g., Facebook, Twitter, blogs).
- c. Within six (6) months of the EDC, the *MS4 Operator* must 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*.

2. Public Notice and Input Requirements

a. Public Notice and Input Requirements for *SWMP Plan*

Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the publicly available *SWMP Plan* (Part IV.B.2.b.). The public must have the ability to ask questions and submit comments on the *SWMP Plan*. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by Part VII.B.1.

b. Public Notice and Input Requirements for Draft Annual Report

- i. Annually, the *MS4 Operator* must provide an opportunity for the public to review and comment on the draft Annual Report. The completion of this permit requirement must be documented in the *SWMP Plan*. This requirement may be satisfied by either:
 - a) 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*, as designated by the *MS4* or if requested by the public. The public must have the ability to ask questions about and make comments on the draft annual report during that presentation; or
 - b) 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. However, if a public meeting is requested by two or more persons, the *MS4 Operator* must hold such a meeting.

c. Consideration of Public Input

- i. Annually, the *MS4 Operator* must include a summary of comments received on the *SWMP Plan* and draft Annual Report in the *SWMP Plan*.
- ii. Within thirty (30) days of when public input is received, the *MS4 Operator* must update the *SWMP Plan*, where appropriate, based on the public input received.

C. MCM 3 - *Illicit Discharge Detection and Elimination*

The *MS4 Operator* must *develop*, implement, and enforce a program which systematically detects, tracks down, and eliminates *illicit discharges* to the *MS4*. This MCM is designed to manage the *MS4* so it is not conveying *pollutants* associated with flows other than those directly attributable to *stormwater* runoff.

1. *Illicit Discharge Detection*

a. Public Reporting of *Illicit Discharges*

- i. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report *illicit discharges*.
- ii. Within thirty (30) days of an *illicit discharge*, the *MS4 Operator* must document each report of an *illicit discharge* in the *SWMP Plan* with the following information:
 - a) Date of the report;
 - b) Location of the *illicit discharge*;
 - c) Nature of the *illicit discharge*;

- d) Follow up actions taken or needed (including response times); and
- e) Inspection outcomes and any enforcement taken.

b. Monitoring Locations

The monitoring locations used to detect *illicit discharges* are identified as follows:

- i. *MS4 outfalls*;⁴⁰
- ii. *Interconnections*;⁴¹ and
- iii. *Municipal facility intraconnections*.⁴²

c. Monitoring Locations Inventory

- i. Within three (3) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of the monitoring locations in the *SWMP Plan*. The following information must be included in the inventory:⁴³

a) Inventory information for *MS4 outfalls*

- i) ID;
- ii) Prioritization (high or low) (Part VII.C.1.d.);
- iii) Type of monitoring location (Part VII.C.1.b.);
- iv) Name of *MS4 Operator's municipal facility*, if located at a *municipal facility*;⁴⁴
- v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
- vi) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
- vii) Land use in drainage area;
- viii) Type of conveyance (open drainage or closed pipe);
- ix) Material;
- x) Shape;
- xi) Dimensions;
- xii) Submerged in water; and
- xiii) Submerged in sediment.

b) Inventory information for *interconnections*

- i) ID;
- ii) Prioritization (high or low) (Part VII.C.1.d.);
- iii) Type of monitoring location (Part VII.C.1.b.);
- iv) Name of *MS4 Operator* receiving *discharge* or private storm system;

⁴⁰ *MS4 outfalls* can be found at a *municipal facility*.

⁴¹ *Interconnections* can be found at a *municipal facility*.

⁴² *Municipal facility intraconnections* can be found only at a *municipal facility*.

⁴³ The information included in the inventory is collected during inspections on the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) unless otherwise specified by the permit conditions.

⁴⁴ This information is collected as part of the *municipal facility* inventory.

- v) Name of *MS4 Operator's municipal facility*, if located at a *municipal facility*; and
- vi) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).

c) Inventory information for *municipal facility intraconnections*

- i) ID;
 - ii) Prioritization (high or low) (Part VII.C.1.d.);
 - iii) Type of monitoring location (Part VII.C.1.b.);
 - iv) Name of *MS4 Operator's municipal facility*; and
 - v) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a)).
- ii. Annually, the *MS4 Operator* must update the inventory if monitoring locations are created or discovered.

d. Monitoring Locations Prioritization

- i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize monitoring locations which are included in the monitoring locations inventory (Part VII.C.1.c.) as follows:
 - a) High priority monitoring locations include monitoring locations:
 - vi) At a high priority *municipal facility*, as defined in Part VII.F.2.c;
 - vii) *Discharging* to impaired waters (subject to Part VIII. requirements; mapped in accordance with Part IV.D.1.e.ii.b));
 - viii) *Discharging* within a TMDL watershed (subject to Part IX. requirements; mapped in accordance with Part IV.D.1.e.ii.c));
 - ix) *Discharging* to waters with Class AA-S, A-S, AA, A, B, SA, or SB (mapped in accordance with Part IV.D.1.e.ii.a)); and/or
 - x) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.
 - b) All other monitoring locations are considered low priority.
- ii. Within thirty (30) days of when a monitoring location is constructed or the *MS4 Operator* discovers it, the *MS4 Operator* must prioritize those monitoring locations; and
- iii. Annually, after the initial prioritization (Part VII.C.1.d.i.), the *MS4 Operator* must update the monitoring location prioritization in the inventory (Part VII.C.1.c.) based on information gathered as part of the monitoring location inspection and sampling program (Part VII.C.1.e.). The completion of this permit requirement must be documented in the *SWMP Plan*.

e. Monitoring Locations Inspection and Sampling Program

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement a monitoring locations inspection and sampling program. The monitoring locations inspection and sampling program must be documented in the *SWMP Plan* specifying:

- i. The monitoring locations inspection and sampling procedures including:
 - a) During *dry weather*,⁴⁵ one (1) inspection of each monitoring location identified in the inventory (Part VII.C.1.c.) every five (5) years following the most recent inspection;
 - b) Documentation of all monitoring location inspections, including any sampling results, using the Monitoring Locations Inspection and Sampling Field Sheet (Appendix D) or an equivalent form containing the same information and include the completed monitoring location inspections and sampling results in the *SWMP Plan* (e.g., the completed Monitoring Locations Inspection and Sampling Field Sheets);
 - c) Provisions to sample all monitoring locations which had inspections which resulted in a *suspect* or *obvious illicit discharge* characterization. The sampling requirement is based on the number and severity of *physical indicators present in the flow* to better inform track down procedures (Part VII.C.2.). If the source of the *illicit discharge* is clear and discernable (e.g., sewage), sampling is not necessary;
 - d) Sampling may be done with field test kits or field instrumentation that are sufficiently sensitive to detect the parameter below the sampling action level used⁴⁶ and are not subject to 40 CFR Part 136 requirements for approved methods and certified laboratories;
 - e) Provisions to initiate, or cause to initiate,⁴⁷ track down procedures (Part VII.C.2.a.), in accordance with the timeframes specified in Part VII.C.2.a.iii, for monitoring locations with an overall characterization⁴⁸ as *suspect illicit discharge* or *obvious illicit discharge* or that exceed any sampling action level used;
 - f) Provisions to re-inspect the monitoring location within thirty (30) days of initial inspection if there is a *physical indicator not related to flow*, potentially indicative of *intermittent* or *transitory discharges*, utilizing techniques described in Chapter 12.6 of the Center for Watershed

⁴⁵ MS4 Operators can reference the Center for Watershed Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) for other factors to consider when determining when to conduct monitoring location inspection and sampling.

⁴⁶ Refer to Chapter 12 of the CWP 2004 for parameters, sampling action levels, and procedures.

⁴⁷ If track down is conducted by individuals or entities other than those conducting the monitoring locations inspections.

⁴⁸ Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

Protection Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004) or equivalent.

- i) If those same physical indicators persist, the *MS4 Operator* must initiate *illicit discharge* track down procedures (Part VII.C.2.a.).
- ii. The training provisions for the *MS4 Operator's* monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.).
 - a) If new staff are added, training on the *MS4 Operator's* monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling procedures;
 - b) For existing staff, training on the *MS4 Operator's* monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.) must be given prior to conducting monitoring locations inspections and sampling and once every five (5) years, thereafter; and
 - c) If the monitoring locations inspection and sampling procedures (Part VII.C.1.e.i.) are updated (Part VII.C.1.e.iv.), training on the updates must be given to all staff prior to conducting monitoring locations inspections and sampling.
- iii. The names, titles, and contact information for the individuals who have received monitoring locations inspection and sampling procedures training and update annually; and
- iv. Annually, by April 1, the *MS4 Operator* must:
 - a) Review and update the monitoring location inspection and sampling procedures (Part VII.C.1.e.i.) based on monitoring location inspection results (e.g., trends, patterns, areas with *illicit discharges*, and common problems); and
 - b) Document the completion of this requirement in the *SWMP Plan*.

2. *Illicit Discharge Track Down Program*

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* track down program to identify the source of *illicit discharges* and the responsible party. The *illicit discharge* track down program must be documented in the *SWMP Plan* specifying:

- a. The *illicit discharge* track down procedures including:
 - i. Procedures as described in Chapter 13 of CWP 2004 or equivalent;
 - ii. Steps taken for *illicit discharge* track down procedures;
 - iii. The following timeframes to initiate *illicit discharge* track down:

- a) Within twenty-four (24) hours of discovery, the *MS4 Operator* must initiate track down procedures for flowing *MS4* monitoring locations with *obvious illicit discharges*;⁴⁹
 - b) Within two (2) hours of discovery, the *MS4 Operator* must initiate track down procedures for *obvious illicit discharges* of sanitary wastewater that would affect bathing areas during bathing season, shell fishing areas or public water intakes and report orally or electronically to the Regional Water Engineer and local health department; and
 - c) Within five (5) days of discovery, the *MS4 Operator* must initiate track down procedures for *suspect illicit discharges*.
- b. The training provisions for the *MS4 Operator's illicit discharge* track down procedures (Part VII.C.2.a.).
 - i. If new staff are added, training on the *MS4 Operator's illicit discharge* track down procedures (Part VII.C.2.a.) must be given prior to conducting *illicit discharge* track downs;
 - ii. For existing staff, training on the *MS4 Operator's illicit discharge* track down procedures (Part VII.C.2.a.) must be given prior to *conducting illicit discharge* track downs and once every five (5) years, thereafter; and
 - iii. If the *illicit discharge* track down procedures (Part VII.C.2.a.) are updated (Part VII.C.2.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* track downs.
 - c. The names, titles, and contact information for the individuals who have received *illicit discharge* track down procedures training and update annually; and
 - d. Annually, by April 1, the *MS4 Operator* must:
 - i. Review and update the *illicit discharge* track down procedures (Part VII.C.2.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

3. *Illicit Discharge Elimination Program*

Within two (2) years of the EDC, the *MS4 Operator* must *develop* and implement an *illicit discharge* elimination program. The *illicit discharge* elimination program must be documented in the *SWMP Plan* specifying:

- a. The *illicit discharge* elimination procedures including:
 - i. Provisions for escalating enforcement and tracking, both consistent with the ERP required in Part IV.F. of this *SPDES* general permit;
 - ii. Provisions to confirm the corrective actions have been taken;

⁴⁹ Reference to the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Monitoring Location Characterization based on the Relative Severity Index of physical indicators for flowing monitoring locations only.

- iii. Steps taken for *illicit discharge* elimination procedures; and
- iv. The following timeframes for *illicit discharge* elimination:
 - a) Within twenty-four (24) hours of identification of an *illicit discharge* that has a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge*;
 - b) Within five (5) days of identification of an *illicit discharge* that does not have a reasonable likelihood of adversely affecting human health or the environment, the *MS4 Operator* must eliminate the *illicit discharge*; and
 - c) Where elimination of an *illicit discharge* within the specified timeframes (Part VII.C.3.a.iv.) is not possible, the *MS4 Operator* must notify the Regional Water Engineer.
- b. The training provisions for the *MS4 Operator's illicit discharge* elimination procedures (Part VII.C.3.a.).
 - i. If new staff are added, training on the *MS4 Operator's illicit discharge* elimination procedures (Part VII.C.3.a.) must be given prior to conducting *illicit discharge* eliminations;
 - ii. For existing staff, training on the *MS4 Operator's illicit discharge* elimination procedures (Part VII.C.3.a.) must be given prior to conducting *illicit discharge* eliminations and once every five (5) years, thereafter; and
 - iii. If the *illicit discharge* elimination procedures (Part VII.C.3.a.) are updated (Part VII.C.3.d.), training on the updates must be given to all staff prior to conducting *illicit discharge* eliminations.
- c. The names, titles, and contact information for the individuals who have received *illicit discharge* elimination procedures training and update annually; and
- d. Annually, by April 1, the *MS4 Operator* must:
 - i. Review and update the *illicit discharge* elimination procedures (Part VII.C.3.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

D. MCM 4 - Construction Site Stormwater Runoff Control

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure construction sites are effectively controlled. This MCM is designed to prevent *pollutants* from construction related activities,⁵⁰ as well as promote the proper planning and installation of post-construction *SMPs*.

⁵⁰ Projects that comply with the terms and conditions of the CGP or an individual *SPDES* permit for *stormwater* for which they obtained coverage and local erosion and sediment control requirements are effectively controlled.

1. Applicable Construction Activities/Projects/Sites

- a. The construction site *stormwater* runoff control program must address *stormwater* runoff to the *MS4* from sites with *construction activities* permitted, approved, funded, or owned/operated by the *MS4 Operator* that:
 - i. Result in a total land disturbance of greater than or equal to one acre; or,
 - ii. Disturb less than one acre if part of a larger common plan of development or sale.
- b. For *construction activities* where the *MS4 Operator* is listed as the owner/operator on the Notice of Intent for coverage under the CGP:
 - i. The *MS4 Operator* must ensure compliance with the CGP; and
 - ii. The additional requirements for construction oversight described in Part VII.D.6 through Part VII.D.9 are not required.

2. Public Reporting of Construction Site Complaints

- a. Within six (6) months of the EDC, the *MS4 Operator* must establish and document in the *SWMP Plan* an email or phone number (with message recording capability) for the public to report complaints related to construction *stormwater* activity.
- b. The *MS4 Operator* must document reports of construction site complaints in the *SWMP Plan* with the following information:
 - i. Date of the report;
 - ii. Location of the construction site;
 - iii. Nature of complaint;
 - iv. Follow up actions taken or needed; and
 - v. Inspection outcomes and any enforcement taken.

3. Construction Oversight Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a construction oversight program. The construction oversight program must be documented in the *SWMP Plan* specifying:

- a. The construction oversight procedures including:
 - i. When the construction site *stormwater* control program applies (Part VII.D.1.);
 - ii. What types of *construction activity* require a SWPPP;
 - iii. The procedures for submission of SWPPPs;
 - iv. SWPPP review requirements (Part VII.D.6.)
 - v. Pre-construction oversight requirements (Part VII.D.7.)

- vi. Construction site inspection requirements (Part VII.D.8.);
 - vii. Construction site close-out requirements (Part VII.D.9.);
 - viii. Enforcement process/expectations for compliance; and
 - ix. Other procedures associated with the control of *stormwater* runoff from applicable *construction activities*.
- b. The training provisions for the *MS4 Operator's* construction oversight procedures (Part VII.D.3.a.).
- i. If new staff are added, training on the *MS4 Operator's* construction oversight procedures (Part VII.D.3.a.) must be given prior to conducting any construction oversight activities;
 - ii. For existing staff, training on the *MS4 Operator's* construction oversight procedures (Part VII.D.3.a.) must be given prior to conducting any construction oversight activities and once every five (5) years, thereafter; and
 - iii. If the construction oversight procedures (Part VII.D.3.a.) are updated (Part VII.D.3.a.), training on the updates must be given to all staff prior to conducting construction oversight.
- c. The names, titles, and contact information for the individuals who have received construction oversight training and update annually;
- d. Procedures to ensure those involved in the *construction activity* itself (e.g., contractor, subcontractor, *qualified inspector*, SWPPP reviewers) have received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity; and
- e. Annually, by April 1, the *MS4 Operator* must:
- i. Review and update the construction oversight procedures (Part VII.D.3.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

4. Construction Site Inventory & Inspection Tracking

- a. Within six (6) months of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all applicable construction sites (Part VII.D.1.a.) in the *SWMP Plan*. The following information must be included in the inventory:
- i. Location of the construction site;
 - ii. Owner/operator contact information, if other than the *MS4 Operator*;
 - iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
 - iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));

- v. Prioritization (high or low) (Part VII.D.5.);
 - vi. Construction project *SPDES* identification number;
 - vii. SWPPP approval date;
 - viii. Inspection history, including dates and ratings (satisfactory, marginal, or unsatisfactory, when available); and
 - ix. Current status of the construction site/project (i.e., active, temporarily shut down, complete⁵¹).
- b. Annually, the *MS4 Operator* must update the inventory if construction projects are approved or completed.

5. Construction Site Prioritization

- a. Within one (1) year of the EDC, the *MS4 Operator* must prioritize all construction sites which are included in the construction site inventory (Part VII.D.4.) as follows:
- i. High priority construction sites include construction sites:
 - a) With a direct conveyance (e.g., channel, ditch, storm sewer) to a *surface water of the State* that is:
 - i) Listed in Appendix C with silt/sediment, phosphorus, or nitrogen as the POC;
 - ii) Classified as AA-S, AA, or A (mapped in accordance with Part IV.D.1.e.ii.a)); or
 - iii) Classified with a trout (T) or trout spawning (TS) designation (mapped in accordance with Part IV.D.1.e.ii.a));
 - b) With greater than five (5) acres of disturbed earth at any one time;
 - c) With earth disturbance within one hundred (100) feet of any lake or pond (mapped in accordance with Part IV.D.1.e.ii.b)); and/or
 - d) Within fifty (50) feet of any rivers or streams (mapped in accordance with Part IV.D.1.e.ii.b));
 - ii. All other construction sites are considered low priority.
- b. Within thirty (30) days of when a construction site becomes active, the *MS4 Operator* must prioritize those construction sites; and
- c. Annually, after the initial prioritization (Part VII.D.5.a.), the *MS4 Operator* must update the construction site prioritization in the inventory (Part VII.D.4.a.) based on information gathered as part of the construction oversight program (Part VII.D.3.). The completion of this permit requirement must be documented in the *SWMP Plan*.

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Construction projects listed on the inventory must be inspected and tracked as described in Part VII.D.8. until a final site inspection has been completed as specified in Part VII.D.9. and the construction site status changes to complete.

- i. If the prioritization of the construction site changes priority based on information gathered as part of the construction oversight program, the *MS4 Operator* must comply with the requirements that apply to that prioritization.

6. SWPPP Review

The *MS4 Operator* must:

- a. Ensure individual(s), responsible for reviewing SWPPPs for acceptance, receive:
 - i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be completed within three (3) years of the EDC and every three (3) years thereafter.
 - ii. Document the completion of this requirement in the *SWMP Plan*.
- b. Ensure SWPPP reviewers receive this training (Part VII.D.6.a.) prior to conducting SWPPP reviews for acceptance.
 - i. Individuals without these trainings cannot review SWPPPs for acceptance.
 - ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.
- c. Ensure individuals responsible for reviewing SWPPPs review all SWPPPs for applicable *construction activities* (Part VII.D.1.) and for conformance with the requirements of the CGP, including:
 - i. Erosion and sediment controls must be reviewed for conformance with the NYS E&SC 2016, or equivalent;
 - ii. Individuals responsible for review of post-construction *SMPs* must be *qualified professionals* or under the supervision of a *qualified professional*; and
 - iii. Post-construction *SMPs* must be reviewed for conformance with the NYS SWMDM 2015 or equivalent, including:
 - a) All post-construction *SMPs* must meet the *sizing criteria* contained in the CGP and NYS SWMDM 2015.
 - b) Deviations from the performance criteria of the NYS SWMDM 2015 must demonstrate that they are equivalent.
 - c) The SWPPP must include an O&M plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction *SMP*. The SWPPP must identify the entity that will be responsible for the long-term operation and maintenance of each practice.

- d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VII.D.6.a.
- e. In the *SWMP Plan*, document the SWPPP review including the information found in Part III.B. of the CGP;
- f. Prioritize new *construction activities* (Part VII.D.5.a.); and
- g. Notify construction site owner/operators that their SWPPP has been accepted using the *MS4 SWPPP Acceptance Form*⁵² created by the *Department* and required by the CGP, signed in accordance with Part X.J.

7. Pre-Construction Meeting

Prior to commencement of *construction activities*, the *MS4 Operator* must ensure a pre-construction meeting is conducted. The date and content of the pre-construction inspection/meeting must be documented in the *SWMP Plan*. The owner/operator listed on the CGP NOI (if different from the *MS4 Operator*), the *MS4 Operator*, contractor(s) responsible for implementing the SWPPP for the *construction activity*, and the *qualified inspector* (if required for the *construction activity* by Part IV.C. the CGP) must attend the meeting in order to:

- a. Confirm the approved project has received, or will receive⁵³, coverage under the CGP or an individual *SPDES* permit;
- b. Verify contractors and subcontractors selected by the owner/operator of the *construction activity* have identified at least one individual that has received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District or other endorsed entity as required by the CGP and Part VII.D.3.d; and
- c. Review the construction oversight program (Part VII.D.3.) and expectations for compliance.

8. Construction Site Inspections

The *MS4 Operator* must:

- a. Ensure individuals(s), responsible for construction site inspections, receive:
 - i. Four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil & Water Conservation District, or other *Department* endorsed entity. This training must be complete, within three (3) years of the EDC and every three (3) years thereafter.
 - ii. Document the completion of this requirement in the *SWMP Plan*.

⁵² The *MS4 SWPPP Acceptance Form* can be found on the Department's website.

⁵³ Preconstruction meetings may occur prior to the issuance of the *MS4 SWPPP Acceptance Form*, however, the *MS4 Operator* must confirm coverage under the CGP will be applied for by the construction site owner/operator prior to commencement of construction of *construction activities*.

- b. Ensure all *MS4* Construction Site Inspectors receive this training prior to conducting construction site inspections.
 - i. Individuals without these trainings cannot inspect construction sites.
 - ii. Individuals who meet the definition of a *qualified professional* or *qualified inspector* are exempt from this requirement.
- c. Annually inspect all sites with *construction activity* identified in the inventory (Part VII.D.4.) during active construction after the pre-construction meeting (Part VII.D.7.), or sooner if deficiencies are noted that require attention.
 - i. Follow up to construction site inspections must confirm corrective actions are completed within timeframes established by the CGP and the *MS4 Operator's ERP* (Part IV.F.1.).
- d. In the *SWMP Plan*, document and update annually the names, titles, and contact information for the individuals who have received the trainings listed in Part VII.D.8.a.
- e. Document all inspections using the Construction Site Inspection Report Form (Appendix D) or an equivalent form containing the same information. The *MS4 Operator* must include the completed Construction Site Inspection Reports in the *SWMP Plan*.

9. Construction Site Close-out

- a. The *MS4 Operator* must ensure a final construction site inspection is conducted and documentation of the final construction site inspection must be maintained in the *SWMP Plan*. The final construction site inspection must be documented using the Construction Site Inspection Report Form (Appendix D), or an equivalent form containing the same information, or accept the construction site owner/operator's *qualified inspector* final inspection certification required by the CGP.
- b. The Notice of Termination (NOT)⁵⁴ must be signed by the *MS4 Operator* as required by the CGP for projects determined to be complete. The NOT must be signed in accordance with Part X.J.

E. MCM 5 – Post-Construction Stormwater Management

The *MS4 Operator* must *develop*, implement, and enforce a program to ensure proper operation and maintenance of post-construction *SMPs* for new or redeveloped sites. This MCM is designed to promote the long-term performance of post-construction *SMPs* in removing *pollutants* from *stormwater* runoff.

⁵⁴ The NOT can be found on the Department's website.

1. Applicable Post-Construction SMPs

The post-construction *SMP program* must address *stormwater* runoff to the *MS4* from *publicly owned/operated* post-construction *SMPs* that meet the following:

- a. Post-construction *SMPs* that have been installed as part of any CGP covered construction site or individual *SPDES* permit (since March 10, 2003); and
- b. All new post-construction *SMPs* constructed as part of the construction site *stormwater* runoff control program (Part VII.D.).

2. Post-Construction *SMP* Inventory & Inspection Tracking⁵⁵

- a. The *MS4 Operators* continuing coverage must:
 - i. Maintain the inventory from previous iterations of this *SPDES* general permit for post-construction *SMPs* installed after March 10, 2003; and
 - ii. *Develop* the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs*:
 - a) As they are approved or discovered; or
 - b) After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VII.D.9.b.).
- b. The newly designated *MS4 Operators* must *develop* and maintain the inventory for post-construction *SMPs* installed after March 10, 2003 including post-construction *SMPs*:
 - i. As they are approved or discovered; or
 - ii. After the owner/operator of the *construction activity* has filed the NOT with the *Department* (Part VII.D.9.b.).
- c. Annually, the *MS4 Operator* must update the inventory of post-construction *SMPs* to include the post-construction *SMPs* in Part VII.E.2.a. and Part VII.E.2.b.
- d. Within five (5) years of the EDC, the following information must be included in the inventory either by using the *MS4 Operator* maintenance records or by verification of maintenance records provided by the owner of the post-construction *SMP*:
 - i. Street address or tax parcel;
 - ii. Type;⁵⁶
 - iii. Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));

⁵⁵ Post-construction *SMPs* can be found at a *municipal facility*.

⁵⁶ Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

- iv. Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
 - v. Date of installation (if available) or discovery;
 - vi. Ownership;
 - vii. Responsible party for maintenance;
 - viii. Contact information for party responsible for maintenance;
 - ix. Location of documentation depicting O&M requirements and legal agreements for post-construction *SMP*;
 - x. Frequency for inspection of post-construction *SMP*, as specified in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017) or as specified in the O&M plan contained in the approved SWPPP (Part VII.D.6.);
 - xi. Reason for installation (e.g., new development, redevelopment, *retrofit*, flood control), if known;
 - xii. Date of last inspection;
 - xiii. Inspection results; and
 - xiv. Any corrective actions identified and completed.
- e. *MS4 Operators* must document the inventory of post-construction *SMPs* in the *SWMP Plan*.

3. SWPPP Review

For post-construction *SMP* SWPPP review requirements, see Part VII.D.6.

4. Post-Construction *SMP* Inspection & Maintenance Program

Within one (1) year of the EDC, the *MS4 Operator* must *develop* and implement a post-construction *SMP* inspection and maintenance program. The post-construction *SMP* inspection and maintenance program must be documented in the *SWMP Plan* specifying:

- a. The post-construction *SMP* inspection and maintenance procedures including:
 - i. Provisions to ensure that each post-construction *SMP* identified in the post-construction *SMP* inventory (Part VII.E.2.) is inspected at the frequency specified in the NYS DEC Maintenance Guidance 2017 or as specified in the O&M plan contained in the approved SWPPP (Part VII.D.6.), if available;

- ii. Documentation of post-construction *SMP* inspections using the Post-Construction *SMP* Inspection Checklist⁵⁷ or an equivalent form containing the same information. The *MS4 Operator* must include the completed post-construction *SMP* inspections (i.e., the completed Post-Construction *SMP* Inspection Checklist) in the *SWMP Plan*;
 - iii. Provisions to initiate follow-up actions (i.e., maintenance, repair, or higher-level inspection) within thirty (30) days of post-construction *SMP* inspection; and
 - iv. Provisions to initiate enforcement within sixty (60) days of the inspection if follow-up actions are not complete.
- b. The training provisions for the *MS4 Operator's* post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.).
 - i. If new staff are added, training on the *MS4 Operator's* post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance;
 - ii. For existing staff, training on the *MS4 Operator's* post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.) and procedures outlined in the *Department* endorsed program must be given prior to conducting any post-construction *SMP* inspection and maintenance and once every five (5) years, thereafter; and
 - iii. If the post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.) are updated (Part VII.E.4.d.), training on the updates must be given to all staff prior to conducting post-construction *SMP* inspection and maintenance.
- c. The names, titles, and contact information for the individuals who have received post-construction *SMP* inspection and maintenance procedures training and update annually; and
- d. Annually, by April 1, the *MS4 Operator* must:
 - i. Review and update the post-construction *SMP* inspection and maintenance procedures (Part VII.E.4.a.); and
 - ii. Document the completion of this requirement in the *SWMP Plan*.

F. MCM 6 – Pollution Prevention and Good Housekeeping

The *MS4 Operator* must *develop* and implement a pollution prevention and good housekeeping program for *municipal facilities* and *municipal operations* to minimize

⁵⁷ The *Department* developed checklist forms specific to each post-construction *SMP* designed to assist *MS4 Operators* in conducting inspections and maintenance activities of standard practices. The Post-Construction *SMP* Inspection Checklist, March 31, 2017, can be found on the *Department's* website.

pollutant discharges. This MCM is designed to ensure the *MS4 Operator's* own activities do not contribute *pollutants* to *surface waters of the State*.

1. **Best Management Practices (BMPs) for Municipal Facilities & Operations**

Within three (3) years of the EDC, the *MS4 Operator* must incorporate *best management practices (BMPs)* into the *municipal facility* program and *municipal operations* program to minimize the *discharge* of *pollutants* associated with *municipal facilities* and *municipal operations*, respectively. The *BMPs* to be considered are as follows and must be documented in the *SWMP Plan*:

a. Minimize Exposure

- i. Exposure of materials to rain, snow, snowmelt, and runoff must be minimized, unless not technologically possible or not economically practicable and achievable in light of best industry practices, including areas used for loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations, with the following *BMPs*:
 - a) Locate materials and activities inside or protect them with storm resistant coverings;
 - b) Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from these areas;
 - c) Locate materials, equipment, and activities so leaks and spills are contained in existing containment and diversion systems;
 - d) Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the *discharge* of *pollutants*;
 - e) Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents;
 - f) Use spill/overflow protection equipment;
 - g) Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also captures any overspray;
 - h) Drain fluids, indoors or under cover, from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks; and/or
 - i) Minimize exposure of chemicals by replacing with a less toxic alternative (e.g., use non-hazardous cleaners).
- ii. *No Exposure* Certification for High Priority *Municipal Facilities*
 - a) *Municipal facilities* may qualify for *No Exposure* Certification (Appendix D) when all activities and materials are completely sheltered from exposure to rain, snow, snowmelt and/or runoff.

- b) High priority *municipal facilities* (Part VII.F.2.c.i.a)) with uncovered parking areas for vehicles awaiting maintenance may be considered a low priority *municipal facility* (Part VII.F.2.c.i.c)) if only routine maintenance is performed inside and all other no *exposure* criteria are met.
- c) *Municipal facilities* accepting or repairing disabled vehicles and/or vehicles that have been involved in accidents are not eligible for the *No Exposure Certification*.
- d) *Municipal facilities* must maintain the *No Exposure Certification* and document in the *SWMP Plan*. The *No Exposure Certification* ceases to apply when activities or materials become exposed.

b. Follow a Preventive Maintenance Program

- i. Implement a preventative maintenance program that includes routine inspection, testing, maintenance, and repair of all fueling areas, vehicles and equipment and systems to prevent leaks, spills and other releases. This includes:
 - a) Performing inspections and preventive maintenance of *stormwater* drainage, source controls, treatment systems, and plant equipment and systems;
 - b) Maintaining non-structural *BMPs* (e.g., keep spill response supplies available, personnel appropriately trained, containment measures, covering fuel areas); and
 - c) Ensure vehicle washwater is not *discharged* to the *MS4* or to *surface waters of the State*. Wash equipment/vehicles in a designated and/or covered area where washwater is collected to be recycled or *discharged* to the sanitary sewer (Part I.B.2.d.).
- ii. Routine maintenance must be performed to ensure *BMPs* are operating properly.
- iii. When a *BMP* is not functioning to its designed effectiveness and needs repair or replacement:
 - a) Maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of *stormwater* controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable; and
 - b) Interim measures must be taken to prevent or minimize the *discharge* of *pollutants* until the final repair or replacement is implemented, including cleaning up any contaminated surfaces so that the material will not be *discharged* during subsequent storm events.

c. Spill Prevention and Response Procedures

- i. Minimize the potential for leaks, spills and other releases that may be exposed to *stormwater* and *develop* plans for effective response to such spills if or when they occur. At a minimum, the *MS4 Operator* must:
 - a) Store materials in appropriate containers;
 - b) Label containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides”) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
 - c) Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the *discharge* of *pollutants* from these areas;
 - d) *Develop* procedures for stopping, containing, and cleaning up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
 - e) Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made;
 - f) *Develop* procedures for notification of the appropriate facility personnel, emergency response agencies, and regulatory agencies when a leak, spill, or other release occurs. If possible, one of these individuals should be a member of the *stormwater* pollution prevention team (Part VII.F.2.d.i.a)). Any spills must be reported in accordance with 6 NYCRR 750-2.7; and
 - g) Following any spill or release, the *MS4 Operator* must evaluate the adequacy of the *BMPs* identified in the *municipal facility* specific SWPPP. If the *BMPs* are inadequate, the SWPPP must be updated to identify new *BMPs* that will prevent reoccurrence and improve the emergency response to such releases.
- ii. Measures for cleaning up spills or leaks must be consistent with applicable petroleum bulk storage, chemical bulk storage, or hazardous waste management regulations at 6 NYCRR Parts 596-599, 613 and 370-373.
- iii. This *SPDES* general permit does not relieve the *MS4 Operator* of any reporting or other requirements related to spills or other releases of petroleum or hazardous substances. Any spill of a hazardous substance must be reported in accordance with 6 NYCRR 597.4. Any spill of petroleum must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

d. Erosion and Sediment Controls⁵⁸

- i. Stabilize exposed areas and control runoff using structural and/or non-structural controls to minimize onsite erosion and sedimentation.

⁵⁸ The use of the term “controls” in Part VII.F.1.d. aligns with the use of the term “controls” in the CGP.

ii. The *MS4 Operator* must consider:

- a) Structural and/or non-structural controls found in the NYS E&SC 2016;
- b) Areas that, due to topography, land disturbance (e.g., construction), or other factors, have potential for significant soil erosion;
- c) Whether structural, vegetative, and/or stabilization *BMPs* are needed to limit erosion;
- d) Whether velocity dissipation devices (or equivalent measures) are needed at *discharge* locations and along the length of any channel to provide a non-erosive flow velocity from the structure to a water course; and
- e) Address erosion or areas with poor vegetative cover, especially if the erosion is within fifty (50) feet of a *surface water of the State*.

e. Manage Vegetated Areas and Open Space on *Municipal Property*

- i. Maintain vegetated areas on *MS4 Operator* owned/operated property and right of ways:
 - a) Specify proper use, storage, and disposal of pesticides, herbicides, and fertilizers including minimizing the use of these products and using only in accordance manufacturer's instruction;
 - b) Use lawn maintenance and landscaping practices that are protective of water quality. Protective practices include: reduced mowing frequencies; proper disposal of lawn clippings; and use of alternative landscaping materials (e.g., drought resistant planting);
 - c) Place pet waste disposal containers and signage concerning the proper collection and disposal of pet waste at all parks and open space where pets are permitted; and
 - d) Address waterfowl congregation areas where needed to reduce waterfowl droppings from entering the *MS4*.

f. Salt⁵⁹ Storage Piles or Pile Containing Salt

Enclose or cover storage piles of salt, or piles containing salt, used for deicing or maintenance of paved surfaces, except during loading, unloading, and handling. Implement appropriate measures (e.g., good housekeeping, routine sweeping, diversions, containment) to minimize exposure resulting from adding to or removing materials from the pile.

g. Waste, Garbage, and Floatable Debris

- i. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids and could leak, ensure that *discharges* have a control (e.g., secondary containment, treatment); and

⁵⁹ For purposes of this *SPDES* general permit, salt means any chloride-containing material used to treat paved surfaces for deicing, including sodium chloride, calcium chloride, magnesium chloride, and brine solutions.

- ii. Keep exposed areas free of waste, garbage, and debris or intercept them before they are *discharged*:
 - a) Manage trash containers at parks and open space (scheduled cleanings; sufficient number);
 - b) Pick up trash and debris on *MS4 Operator* owned/operated property and rights of way; and
 - c) Clean out *catch basins* within the appropriate timeframes (Part VII.F.3.c.iii.).

h. Alternative Implementation Options

When alternative implementation options (Part IV.A.1.) are utilized, require the parties performing *municipal operations* as contracted services, including but not limited to street sweeping, snow removal, and lawn/grounds care, to meet permit requirements as the requirements apply to the activity performed.

2. *Municipal Facilities*⁶⁰

a. *Municipal Facility Program*

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal facility* program. The *municipal facility* program must be documented in the *SWMP Plan* specifying:

- i. The *municipal facility* procedures including:
 - a) The *BMPs* (Part VII.F.1.) incorporated into the *municipal facility* program;
 - b) The high priority *municipal facility* requirements (Part VII.F.2.d.) as applied to the specific *municipal facility*; and
 - c) The low priority *municipal facility* requirements (Part VII.F.2.e.) as applied to the specific *municipal facility*.
- ii. The training provisions for the *MS4 Operator's municipal facility* procedures (Part VII.F.2.a.i.).
 - a) If new staff are added, training on the *MS4 Operator's municipal facility* procedures (Part VII.F.2.a.i.) must be given prior to conducting *municipal facility* procedures;
 - b) For existing staff, training on the *MS4 Operator's municipal facility* procedures (Part VII.F.2.a.i.) must be given prior to conducting *municipal facility* procedures and once every five (5) years, thereafter; and

⁶⁰ *Municipal facilities* that have coverage under a separate *SPDES* permit (either individual or MSGP) must comply with the terms and conditions of that permit and the requirements set forth in this Part are not applicable.

- c) If the *municipal facility* procedures (Part VII.F.2.a.i.) are updated (Part VII.F.2.a.iv.), training on the updates must be given to all staff prior to conducting *municipal facility* procedures.
- iii. The names, titles, and contact information for the individuals who have received *municipal facility* training and update annually; and
- iv. Annually, by April 1, the *MS4 Operator* must:
 - a) Review and update the *municipal facility* procedures (Part VII.F.2.a.i.); and
 - b) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Facility Inventory*

- i. Within two (2) years of the EDC, the *MS4 Operator* must *develop* and maintain an inventory of all *municipal* facilities in the *SWMP Plan*. The following information must be included in the inventory:
 - a) Name of *municipal facility*;
 - b) Street address;
 - c) Type of *municipal facility*;
 - d) Prioritization (high or low) (Part VII.F.2.c.);
 - e) Receiving waterbody name and class (mapped in accordance with Part IV.D.1.e.ii.a));
 - f) Receiving waterbody WI/PWL Segment ID (mapped in accordance with Part IV.D.1.e.ii.b));
 - g) Contact information;
 - h) Responsible department;
 - i) Location of SWPPP (if high priority; when completed);
 - j) Type of activities present on site;
 - k) Size of facility (acres);
 - l) Date of last assessment;
 - m) *BMPs* identified; and
 - n) Projected date of next comprehensive site assessment (Part VII.F.2.d.ii.c) or Part VII.F.2.e.ii.c), depending on the *municipal facility* prioritization (Part VII.F.2.c.)).
- ii. Annually, the *MS4 Operator* must update the inventory if new *municipal* facilities are added.

c. *Municipal Facility Prioritization*

- i. Within three (3) years of the EDC, the *MS4 Operator* must prioritize all known *municipal* facilities as follows:

- a) High priority *municipal* facilities include *municipal* facilities that have one or more of the following on site and exposed to *stormwater*:
 - i) Storage of chemicals, salt, petroleum, pesticides, fertilizers, anti-freeze, lead-acid batteries, tires, waste/debris;
 - ii) Fueling stations; and/or
 - iii) Vehicle or equipment maintenance/repair.
- b) Low priority *municipal* facilities include any *municipal* facilities that do not meet the criteria for a high priority (Part VII.F.2.c.i.a)) *municipal facility*.
- c) High priority *municipal* facilities (Part IV.F.2.c.i.a)) which qualify for a *No Exposure* Certification (Part VII.F.1.a.ii.) are low priority *municipal* facilities.
- ii. Within thirty (30) days of when a *municipal facility* is added to the inventory, the *MS4 Operator* must prioritize those *municipal* facilities; and
- iii. Annually, after the initial prioritization (Part VII.F.2.c.i.), the *MS4 Operator* must update the *municipal facility* prioritization in the inventory (Part VII.F.2.b.i.) based on information gathered as part of the *municipal facility* program (Part VII.F.2.a.), including cases where a *No Exposure* Certification (Part VII.F.1.a.ii.) ceases to apply. The completion of this permit requirement must be documented in the *SWMP Plan*.

d. High Priority *Municipal Facility* Requirements

i. *Municipal Facility Specific SWPPP*

Within five (5) years of the EDC, *MS4 Operators* must *develop* and implement a *municipal facility* specific SWPPP for each high priority *municipal facility* (Part VII.F.2.c.i.a)) and retain a copy of the *municipal facility* specific SWPPP on site of the respective *municipal facility*. The SWPPP must contain:

a) *Stormwater* Pollution Prevention Team

The *municipal facility* specific SWPPP must identify the individuals (by name and/or title) and their role/responsibilities in *developing*, implementing, maintaining, and revising the *municipal facility* specific SWPPP. The activities and responsibilities of the team must address all aspects of the *municipal facility* specific SWPPP.

b) General Site Description

A written description of the nature of the activities occurring at the *municipal facility* with a potential to *discharge pollutants*, type of *pollutants* expected, and location of key features as detailed in the site map (Part VII.F.2.d.i.e)).

c) Summary of potential *pollutant* sources

The *municipal facility* specific SWPPP must identify each area at the *municipal facility* where materials or activities are exposed to *stormwater* or from which authorized non-*stormwater discharges* (Part I.A.3.) originate, including any potential *pollutant* sources for which the *municipal facility* has reporting requirements under the Emergency Planning and Community Right-To-Know Act (EPCRA), Section 313.

- i) Materials or activities include: machinery; raw materials; intermediate products; byproducts; final products or waste products; and material handling activities which includes storage, loading and unloading, transportation or conveyance of any raw material, intermediate product, final product or waste product.
- ii) For each separate area identified, the description must include:
 - (a) Activities - A list of the activities occurring in the area (e.g., material storage, equipment fueling and cleaning);
 - (b) Pollutants - A list of the associated *pollutant(s)* for each activity. The *pollutant(s)* list must include all materials that are exposed to *stormwater*, and
 - (c) Potential for presence in *stormwater* - For each area of the *municipal facility* that generates *stormwater discharges*, a prediction of the direction of flow, and the likelihood of the activity to contaminate the *stormwater discharge*. Factors to consider include the toxicity of chemicals, quantity of chemicals used, produced or *discharged*, the likelihood of contact with *stormwater*, and history of leaks or spills of toxic or hazardous *pollutants*.

d) Spills and Releases

For areas that are exposed to precipitation or that otherwise drain to a *stormwater* conveyance to be covered under this *SPDES* general permit, the *municipal facility* specific SWPPP must include a list of spills or releases⁶¹ of petroleum and hazardous substances or other *pollutants*, including unauthorized *non-stormwater discharges*, that may adversely affect water quality that occurred during the last three-year period. The list must be updated when spills or releases occur.

e) Site Map

The *municipal facility* specific SWPPP must include a site map identifying the following, as applicable:

- i) Property boundaries and size in acres;

⁶¹ This may also include releases of petroleum or hazardous substances that are not in excess of reporting quantities but which may still cause or contribute to significant water quality impairment.

- ii) Location and extent of significant structures (including materials shelters), and impervious surfaces;
- iii) Monitoring locations (mapped in accordance with Part IV.D.2.a.i.) with its approximate *sewershed*. Each monitoring location must be labeled with the monitoring location identification;
- iv) Location of all post-construction *SMPs* (mapped in accordance with Part IV.D.2.a.iv.) and *MS4* infrastructure (mapped in accordance with Part IV.D.2.b.i.);
- v) Locations of *discharges* authorized under other *SPDES* permits;
- vi) Locations where potential spills or releases can contribute to *pollutants* in *stormwater discharges* and their accompanying drainage points;
- vii) Locations of haul and access roads;
- viii) Rail cars and tracks;
- ix) Arrows showing direction of *stormwater* flow;
- x) Location of all receiving waters in the immediate vicinity of the *municipal facility*, indicating if any of the waters are impaired and, if so, whether the waters have *TMDLs* established for them (mapped in accordance with Part IV.D.1.e.ii.);
- xi) Locations where *stormwater* flows have significant potential to cause erosion;
- xii) Location and source of run-on from adjacent property containing significant quantities of *pollutants* and/or volume of concern to the *municipal facility*; and
- xiii) Locations of the following areas where such areas are exposed to precipitation or *stormwater*:
 - (a) Fueling stations;
 - (b) Vehicle and equipment maintenance and/or cleaning areas;
 - (c) Loading/unloading areas;
 - (d) Locations used for the treatment, storage or disposal of wastes;
 - (e) Liquid storage tanks;
 - (f) Processing and storage areas;
 - (g) Locations where significant materials, fuel or chemicals are stored and transferred;
 - (h) Locations where vehicles and/or machinery are stored when not in use
 - (i) Transfer areas for substances in bulk;
 - (j) Location and description of non-*stormwater discharges* (Part I.A.3.);

- (k) Locations where spills⁶² or leaks have occurred; and
- (l) Locations of all existing structural *BMPs*.

f) *Stormwater Best Management Practices (BMPs)*

The *municipal facility* specific SWPPP must document the location and type of *BMPs* implemented at the *municipal facility* (Part VII.F.1). The *municipal facility* specific SWPPP must describe how each *BMP* is being implemented for all the potential *pollutant* sources.

g) *Municipal facility* assessments

The *municipal facility* specific SWPPP must include a schedule for completing and recording results of routine and comprehensive site assessments (Part VII.F.2.d.ii.c)).

ii. *Municipal Facility Assessments*

a) Wet Weather Visual Monitoring

- i) Once every five (5) years, the *MS4 Operator* must conduct wet weather visual monitoring of the monitoring locations (Part VII.C.1.b.) and other sites of *stormwater* leaving the site that are *discharging stormwater* from fueling areas, storage areas, vehicle and equipment maintenance/fueling areas, material handling areas and similar potential *pollutant* generating areas (Part VII.F.2.d.i.e)xiii)).

- (a) All samples must be collected from *discharges* resulting from a *qualifying storm event*. The storm event must be documented using the Storm Event Data Form (Appendix D) and kept with the *municipal facility* specific SWPPP. The sample must be taken during the first thirty (30) minutes (or as soon as practical, but not to exceed one hour) of the *discharge* at the monitoring location.
- (b) No analytical tests are required to be performed on the samples for the purpose of meeting the visual monitoring requirements.
- (c) The visual examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and any other obvious indicators of *stormwater* pollution.
- (d) The visual examination of the sample must be conducted in a well-lit area.
- (e) Where practicable, the same individual should carry out the collection and examination of *discharges* for the entire permit term for consistency.

⁶² A spill includes: any spill of a hazardous substance that must be reported in accordance with 6 NYCRR 597.4 and any spill of petroleum that must be reported in accordance with 6 NYCRR 613.6 or 17 NYCRR 32.3.

- (f) The *MS4 Operator* must document the visual examination using the Visual Monitoring Form (Appendix D) and keep it with the *municipal facility* specific SWPPP to record:
 - (i) Monitoring location ID;
 - (ii) Examination date and time;
 - (iii) Personnel conducting the examination;
 - (iv) Nature of the *discharge* (runoff or snowmelt);
 - (v) Visual quality of the *stormwater discharge* including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of *stormwater* pollution; and
 - (vi) Probable sources of any observed *stormwater* contamination.
 - (vii) Corrective and follow up actions – If the visual examination indicates the presence of color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, or other indicators of *stormwater* pollution, the *MS4 Operator* must, at minimum, complete and document the following actions:
 - (1) Evaluate the facility for potential sources;
 - (2) Remedy the problems identified;
 - (3) Revise the *municipal facility* specific SWPPP; and
 - (4) Perform an additional visual inspection during the first *qualifying storm event* following implementation of the corrective action. If the first *qualifying storm event* does not occur until the next visual monitoring period, this follow up action may be used as the next visual inspection.
- b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VII.C.1.e.).
- c) Comprehensive Site Assessments
 - i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each high priority *municipal facility* as identified in the inventory (Part VII.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing the same information, and document in the *municipal facility* specific SWPPP and *SWMP Plan* that:

- (a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;
- (b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which has a reasonable likelihood of adversely affecting human health or the environment;
 - (i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or
- (c) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;
 - (i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

e. Low Priority *Municipal Facility* Requirements

- i. The *MS4 Operator* must identify procedures outlining *BMPs* for the types of activities that occur at the low priority *municipal facilities* as described in Part VII.F.1. A *municipal facility* specific SWPPP is not required.
- ii. *Municipal Facility* Assessments
 - a) Low priority *municipal facilities* are not required to conduct wet weather visual monitoring.
 - b) The monitoring locations inspection and sampling program must be implemented at the *municipal facility* (Part VII.C.1.e.).
 - c) Comprehensive Site Assessments
 - i) Once every five (5) years following the most recent assessment, the *MS4 Operator* must complete a comprehensive site assessment for each low priority *municipal facility* as identified in the inventory (Part VII.F.2.b.) using the Municipal Facility Assessment Form (Appendix D) or an equivalent form containing the same information, and document in the *SWMP Plan* that:
 - (a) The *municipal facility* is in compliance with the terms and conditions of this *SPDES* general permit;
 - (b) Deficiencies were identified and all reasonable steps will be taken to minimize any *discharge* in violation of the permit, which has a reasonable likelihood of adversely affecting human health or the environment;

- (i) Within twenty-four (24) hours, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented; or
- (c) Deficiencies were identified and all reasonable steps will be to minimize any *discharge* in violation of the permit, which does not have a reasonable likelihood of adversely affecting human health or the environment;
- (i) Within seven (7) days, the *MS4 Operator* must prepare a schedule that includes corrective actions and specific interim milestones to be implemented until the corrective action is implemented.

3. *Municipal Operations & Maintenance*

a. *Municipal Operations Program*

Municipal operations are: street and bridge maintenance; winter road maintenance; *MS4* maintenance; open space maintenance; solid waste management; new construction and land disturbances; right-of-way maintenance; marine operations; or hydrologic habitat modification.

Within three (3) years of the EDC, the *MS4 Operator* must *develop* and implement a *municipal operations* program. The *municipal operations* program must be documented in the *SWMP Plan* specifying:

- i. The *municipal operations* procedures including:
 - a) The *BMPs* (Part VII.F.1.) incorporated into the *municipal operations* program;
 - b) The *municipal operations* corrective actions requirements (Part VII.F.3.b.);
 - c) *Catch basin* inspection and maintenance requirements (Part VII.F.3.c.);
 - d) Roads, bridges, parking lots, and right of way maintenance requirements (Part VII.F.3.d.); and
 - e) All other *municipal operations* maintenance requirements.
- ii. The training provisions for the *MS4 Operator's municipal operations* procedures (Part VII.F.3.a.i.).
 - a) If new staff are added, training on the *MS4 Operator's municipal operations* procedures (Part VII.F.3.a.i.) must be given prior to conducting *municipal operations* procedures;
 - b) For existing staff, training on the *MS4 Operator's municipal operations* procedures (Part VII.F.3.a.i.) must be given prior to conducting

municipal operations procedures and once every five (5) years, thereafter; and

- c) If the *municipal operations* procedures (Part VII.F.3.a.i.) are updated (Part VII.F.3.a.iv.), training on the updates must be given to all staff prior to conducting *municipal operations* procedures.
- iii. The names, titles, and contact information for the individuals who have received *municipal operations* training and update annually; and
- iv. Annually, by April 1, the *MS4 Operator* must:
 - a) Review and update the *municipal operations* procedures (Part VII.F.3.a.i.); and
 - b) Document the completion of this requirement in the *SWMP Plan*.

b. *Municipal Operations Corrective Actions*

- i. For *municipal operations*, *MS4 Operators* must either:
 - a) Ensure compliance with the terms and conditions of this *SPDES* general permit; or
 - b) Implement corrective actions according to the following schedule and, after implementation, ensure the operations are in compliance with the terms and conditions of this *SPDES* general permit:
 - i) Within twenty-four (24) hours of discovery for situations that have a reasonable likelihood of adversely affecting human health or the environment;
 - ii) Initiated within seven (7) days of inspection and completed within thirty (30) days of inspection for situations that do not have a reasonable likelihood of adversely affecting human health or the environment; and
 - iii) For corrective actions that require special funding or construction that will take longer than thirty (30) days to complete, a schedule must be prepared that specifies interim milestones that will ensure compliance in the shortest reasonable time.

c. *Catch Basin Inspection and Maintenance*

Within three (3) years of the EDC, the *MS4 Operator* must:

- i. Identify when *catch basin* inspection is needed with consideration for:
 - a) Areas with *construction activities* (mapped in accordance with Part IV.D.2.a.iii.);
 - b) Residential, commercial, and industrial areas (mapped in accordance with Part IV.D.1.d.iii.);
 - c) Recurring or history of issues; or

- d) Confirmed citizen complaints on three or more separate occasions in the last twelve (12) months.
- ii. Inventory *catch basin* inspection information including:
 - a) Date of inspection;
 - b) Approximate level of trash, sediment, and/or debris captured at time of clean-out (no trash, sediment, and/or debris, <50% of the depth of the *sump*, >50% of the depth of the *sump*);
 - c) Depth of structure;
 - d) Depth of *sump*; and
 - e) Date of clean out, if applicable (Part VII.F.3.c.iii.).
- iii. Based on inspection results, clean out *catch basins* within the following timeframes:
 - a) Within six (6) months after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris exceeding 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out;
 - b) Within one (1) year after the *catch basin* inspection, *catch basins* which had trash, sediment, and/or debris at less than 50% of the depth of the *sump* as a result of a *catch basin* inspection must be cleaned out; and
 - c) MS4 Operators are not required to clean out *catch basins* if the *catch basins* are operating properly and:
 - i. There is no trash, sediment, and/or debris in the *catch basin*; or
 - ii. The *sump* depth of the *catch basin* is less than or equal to two (2) feet.
- iv. Properly manage (handling and disposal) materials removed from *catch basins* during clean out so that:
 - a) Water removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*;
 - b) Material removed from *catch basins* is disposed of in accordance with any applicable environmental laws and regulations; and
 - c) Material removed during the *catch basin* cleaning process will not reenter the *MS4* or *surface waters of the State*.
- v. Determine if there are signs/evidence of *illicit discharges* and procedures for referral/follow-up if *illicit discharges* are encountered.

d. Roads, Bridges, Parking Lots, & Right of Way Maintenance

i. Sweeping

Within six (6) months of the EDC, the *MS4 Operator* must *develop* and implement procedures for sweeping and/or cleaning *municipal* streets, bridges, parking lots, and right of ways owned/operated by the *MS4 Operator*. The procedures and completion of permit requirements must be documented in the *SWMP Plan* specifying:

- a) All roads, bridges, parking lots, and right of ways must be swept and/or cleaned once every five (5) years in the spring (following winter activities such as sanding). 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b) 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 2013.

ii. Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VII.F.1.), the *MS4 Operator* must implement the following provisions:

- a) Pave, mark, and seal in dry conditions;
- b) Stage road operations and maintenance activity (e.g., patching, potholes) to reduce the potential discharge of pollutants to the *MS4* or *surface waters of the State*;
- c) Restrict the use of herbicides/pesticide application to roadside vegetation; and
- d) Contain *pollutants* associated with bridge maintenance activities (e.g., paint chips, dust, cleaning products, other debris).

iii. Winter Road Maintenance

Within five (5) years of the EDC, in addition to the *BMPs* (Part VII.F.1.), the *MS4 Operator* must implement the following provisions:

- a) Routinely calibrate equipment to control salt/sand application rates; and

- b) Ensure that routine snow disposal activities comply with the Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal.⁶³

⁶³ The Division of Water Technical and Operation Guidance Series 5.1.11, Snow Disposal can be found on the Department's website.

Part VIII. Enhanced Requirements for Impaired Waters

Part VIII. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type. Part VIII. requirements apply in the *sewersheds* which *discharge* to waters impaired for phosphorus, silt/sediment, pathogens, nitrogen, or floatables (Appendix C). *MS4 outfalls* are in the *automatically designated area*. *ADA MS4 outfalls* are in the *additionally designated area* subject to Criterion 3 of the Additional Designation Criteria (Appendix B).

MS4 Operator's subject to Part VIII. that implement pollutant specific *BMPs* after the EDC but prior to *MS4* infrastructure and *sewershed* mapping can use those *BMPs* to satisfy the permit requirements in this section.

The Part VIII. requirements, applicable to the *POC*, must be incorporated in the *MS4 Operator's SWMP* and *SWMP Plan*.

A. Pollutant Specific BMPs for Phosphorus

Part VIII.A. must be implemented for all phosphorus impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:
 - i. *MS4 outfall*; and
 - ii. *ADA MS4 outfall*.
- b. Within three (3) years of the EDC, the following information for each *MS4 outfall*:
 - i. Retail and wholesale plant nurseries (including big box stores);
 - ii. Commercial lawn care facilities; and
 - iii. Golf courses.
- c. Within three (3) years of the EDC, *ADA MS4 outfalls*.

2. Public Education and Outreach

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on how the impairment is being addressed by implementation of the *MS4 Operator's* local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

- b. Following the completion of Part VIII.A.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to phosphorus to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the *MS4 Operator* type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. Illicit Discharge Detection and Elimination

Following the completion of Part VIII.A.1, within five (5) years of the EDC, the *MS4 Operator* must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the *MS4 Operator* type) the number of each item identified in Part VIII.A.1.b. for each associated *MS4 outfall*.

5. Construction Site Stormwater Runoff Control

For Following the completion of Part VIII.A.1, high priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

- a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or
- b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction Stormwater Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.A.1:

- a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to phosphorus impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities in Sewersheds to Impaired Waters*

Incorporate, where feasible,⁶⁴ cost-effective runoff reduction techniques⁶⁵ during planned *municipal* upgrades including *municipal* right of ways (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).

B. Pollutant Specific BMPs for Silt/Sediment

Part VIII.B. must be implemented for all silt/sediment impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewerheds* for each:
 - i. *MS4 outfall*; and
 - ii. *ADA MS4 outfall*.
- b. Within three (3) years of the EDC, facilities with *SPDES* permit coverage under the MSGP with *stormwater discharges* applicable under Sector C, E, L, or J with facility contact.
- c. Within three (3) years of the EDC, *ADA MS4 outfalls*.

⁶⁴ Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁶⁵ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

2. Public Education and Outreach

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on how the impairment is being addressed by implementation of the *MS4 Operator's* local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part VIII.B.1, each year of active construction, the *MS4 Operator* must educate individuals involved in *construction activity* (e.g., contractor, subcontractor, qualified inspector, SWPPP reviewers) within the *sewershed* boundary on the use of post-construction *SMPs* that are intended to collect and separate silt and sediment debris from *stormwater* before *discharging* to waters of the State (e.g., sediment forebays) as detailed in the NYS SWMDM 2015. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. Illicit Discharge Detection and Elimination

Following the completion of Part VIII.B.1, within five (5) years of the EDC, the *MS4 Operator* must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the *MS4 Operator* type) the number of each item identified in Part VIII.B.1.b. for each associated *MS4 outfall*.

5. Construction Site Stormwater Runoff Control

Following the completion of Part VIII.B.1, high priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

- a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or
- b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction Stormwater Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.B.1:

- a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to silt/sediment impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b. For areas within the *sewershed* that are compacted, poorly drained, contain areas of exposed soil, or nutrient deficient, the *MS4 Operator* must:
 - i. Refer to Section 4 of the NYS E&SC 2016 for Soil Stabilization practices, and follow BMP procedures; and
 - ii. *Develop* and implement procedures for watering and maintenance of implemented BMPs appropriate to establish root and vegetative cover, utilizing products which provide critical support to vegetation and soil stabilization.

MS4 Operators must document the completion of this requirement in the *SWMP Plan*.

- c. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities in Sewersheds to Impaired Waters*

Incorporate, where feasible,⁶⁶ cost-effective runoff reduction techniques⁶⁷ during planned *municipal* upgrades including *municipal* right of ways (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).

⁶⁶ Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁶⁷ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

C. Pollutant Specific BMPs for Pathogens

Part VIII.C. must be implemented for all pathogen impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:
 - i. *MS4 outfall*; and
 - ii. *ADA MS4 outfall*.
- b. Within three (3) years of the EDC, the following information for each *MS4 outfall*:
 - i. Areas with a history of sanitary sewer overflows;
 - ii. Waterfowl congregation areas on *municipal* property or right of way;
 - iii. Areas where pets/domestic animals may frequent (i.e., public trails, dog parks, and zoos); and
 - iv. Waste disposal areas (e.g., active landfills, transfer stations).
- c. Within three (3) years of the EDC, *ADA MS4 outfalls*.

2. Public Education and Outreach

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the *MS4 Operator's* local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part VIII.C.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to pathogens to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the *MS4 Operator* type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. *Illicit Discharge Detection and Elimination*

Following the completion of Part VIII.C.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.C.1.b. for each associated *MS4 outfall*.

5. *Construction Site Stormwater Runoff Control*

No additional requirements.

6. *Post-Construction Stormwater Management*

No additional requirements.

7. *Pollution Prevention and Good Housekeeping*

Following the completion of Part VIII.C.1:

a. *Infrastructure Maintenance*

- i. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to pathogen impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:
 - a) Uncurbed roads with no *catch basins*;
 - b) High-speed limited access highways; or
 - c) Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- ii. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

b. *Wildlife Control*

- i. Within six (6) months of the EDC, the *MS4 Operator* must identify *municipal facilities* with nuisance bird populations that have the potential to contribute pathogens (e.g., Canada Geese) and document those *municipal facilities* in the *SWMP Plan*.
- ii. Within six (6) months of the EDC, signage must be available at these municipal facilities, instructing the public not to feed wildlife. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- iii. Within six (6) months of the EDC, the *MS4 Operator* must remove accumulated trash and debris from *municipal* facilities when necessary to

eliminate potential food sources for wildlife. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

- iv. Within one (1) year of the EDC, *MS4 Operators* must evaluate the effectiveness of deterrents, population controls, and other measures that may reduce bird related pathogen contributions and document the results of the evaluation in the *SWMP Plan*.

c. *Animal Waste Control*

Within one (1) year of the EDC, the *MS4 Operator* must make dog waste receptacles available in areas where pets/domestic animals may frequent (e.g., public trails, dog parks). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. *Planned Upgrades to Municipal Facilities in Sewersheds to Impaired Waters*

Incorporate, where feasible,⁶⁸ cost-effective runoff reduction techniques⁶⁹ during planned *municipal* upgrades including *municipal* right of ways (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).

D. *Pollutant Specific BMPs for Nitrogen*

Part VIII.D. must be implemented for all nitrogen impaired waters listed in Appendix C.

1. *Mapping*

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewerheds* for each:
 - i. *MS4 outfall*; and
 - ii. *ADA MS4 outfall*.
- b. Within three (3) years of the EDC, the following information for each *MS4 outfall*:
 - i. Retail and wholesale plant nurseries (including big box stores);
 - ii. Commercial lawn care facilities; and

⁶⁸ Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁶⁹ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

- iii. Golf courses.
- c. Within three (3) years of the EDC, *ADA MS4 outfalls*.

2. Public Education and Outreach

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part VIII.D.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to nitrogen to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. Illicit Discharge Detection and Elimination

Following the completion of Part VIII.D.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.D.1.b for each associated *MS4 outfall*.

5. Construction Site Stormwater Runoff Control

Following the completion of Part VIII.D.1, high priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

- a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or
- b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction Stormwater Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following the completion of Part VIII.D.1:

- a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to nitrogen impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities in Sewersheds to Impaired Waters*

Incorporate, where feasible,⁷⁰ cost-effective runoff reduction techniques⁷¹ during planned *municipal* upgrades including *municipal* right of ways (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).

E. Pollutant Specific BMPs for Floatables

Part VIII.E. must be implemented for all floatable impaired waters listed in Appendix C.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, *MS4* infrastructure mapping requirements (Part IV.D.2.b.i.) and *sewersheds* for each:

⁷⁰ Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁷¹ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

- i. *MS4 outfall*; and
 - ii. *ADA MS4 outfall*.
- b. Within three (3) years of the EDC, *ADA MS4 outfalls*.

2. Public Education and Outreach

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part VIII.E.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to floatables to the applicable target audiences within the *sewersheds* for impaired waters listed in Appendix C focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. Illicit Discharge Detection and Elimination

No additional requirements.

5. Construction Site Stormwater Runoff Control

No additional requirements.

6. Post-Construction Stormwater Management

No additional requirements.

7. Pollution Prevention and Good Housekeeping

Following completion of Part VIII.E.1:

- a. Annually, from April 1 through October 31, all streets located in *sewersheds discharging* to floatables impaired segments must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities in Sewersheds to Impaired Waters*

Incorporate, where feasible,⁷² cost-effective runoff reduction techniques⁷³ during planned *municipal* upgrades including *municipal* right of ways (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).

⁷² Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁷³ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

Part IX. Watershed Improvement Strategy Requirements for TMDL Implementation

Part IX. requirements must be implemented in addition to the applicable requirements of the six (6) MCMs in Part VI. or Part VII, depending on the *MS4 Operator* type. Part IX. requirements apply in the watersheds where the *Department* developed implementation plans for which USEPA has approved a TMDL (Table 3). Finalized TMDL implementation plans referenced in this Part are incorporated into and enforceable under this *SPDES* general permit.

MS4 Operator's subject to Part IX. that implement TMDL specific *BMPs* after the EDC but prior to *MS4* infrastructure and *sewershed* mapping can use those *BMPs* to satisfy the permit requirements in this section.

The Part IX. requirements must be incorporated in the *MS4 Operator's SWMP* and *SWMP Plan*.

A. NYC East of Hudson Phosphorus Impaired Watershed *MS4s*

Table 4. Phosphorus Impaired Watershed(s)			
Areas where requirements apply	New York City East of Hudson (EOH)		
EPA Approved TMDL	Phase II Phosphorus TMDLs for Reservoirs in the NYC Watershed, June 2000	Total Maximum Daily Load (TMDL) for Phosphorus in Lake Carmel, October 2016	Total Maximum Daily Load (TMDL) for Phosphorus in Palmer Lake, ² March 2015
Implementation Plan	Croton Watershed Phase II TMDL Implementation Plan (January 2009)		
POC	Phosphorus		
Area where requirements Apply	NYC EOH Watershed		
Achievement of Pollutant Load Reduction	Continued <i>retrofit</i> implementation to achieve the pollutant load reduction specified in that Phase II Implementation Plan		

MS4 Operators located within the watersheds listed in Table 4 must *develop* and implement the following phosphorus-specific *BMPs* in addition to the Croton Watershed Phase II TMDL Implementation Plan (January 2009) and the applicable requirements in Part VI. or Part VII, depending on the *MS4 Operator* type.

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, areas with potential to contribute phosphorus to the TMDL waterbody, which include:
 - i. Retail and wholesale plant nurseries (including big box stores);
 - ii. Commercial lawn care facilities;
 - iii. Golf courses;
 - iv. Commercial or industrial yard waste storage areas (e.g., yard waste composting and disposal areas); and
 - v. *MS4* infrastructure with a history of issues (e.g., clogged infrastructure, infiltration and inflow (I/I)).
- b. Within three (3) years of the EDC, the following information for all post-construction *SMPs* as identified in the post-construction *SMP* inventory (Part VI.E.2. or Part VII.E.2, depending on the *MS4 Operator* type):
 - i. Type;⁷⁴ and
 - ii. Ownership.

2. Public Education and Outreach on Stormwater Impacts

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on how the impairment is being addressed by implementation of the *MS4 Operator's* local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part IX.A.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to phosphorus to the applicable target audiences within the TMDL watershed focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the *MS4 Operator* type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

⁷⁴ Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

4. *Illicit Discharge Detection and Elimination*

a. *Inventory of Potential Phosphorus Sources*

Following the completion of Part IX.A.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part IX.A.1.a. for each associated *MS4 outfall*.

b. *On-site wastewater systems*

The *MS4 Operator* must *develop*, implement, and enforce a program that ensures on-site wastewater systems (i.e., septic tanks, cesspools, absorption fields or distribution systems) are properly operated and do not contribute *pollutants* to the *MS4*. To ensure this, the *MS4 Operator* must:

- i. Once every five (5) years, ensure that residential septic tanks/cesspools are pumped out and system components (i.e., septic tanks, cesspools and installed absorption field) are inspected;
- ii. Ensure the following information is collected and document the completion of this requirement in the *SWMP Plan*:
 - a) Individual performing inspection;
 - b) Inspection date;
 - c) Address;
 - d) Location of system on property; and
 - e) Evidence of failed systems.
- iii. Refer failures to the appropriate agency to ensure corrective actions are taken; and
- iv. Eliminate *illicit discharges* from on-site wastewater systems to the *MS4* in accordance with the time frames specified in Part VI.C.3. or Part VII.C.3, depending on the *MS4 Operator* type.

5. *Construction Site Stormwater Runoff Control*

- a. The *MS4 Operator* must include construction projects that disturb between 5000 square feet (sf) and one (1) acre in the construction site runoff control program as described in Part VI.D. or Part VII.D, depending on the *MS4 Operator* type. Construction projects meeting this threshold are low priority construction sites.
- b. The legal authority used to satisfy Part IV.E.2.b. must include the following language:
 “Land activity is defined as *construction activity* including clearing, grading, excavating, soil disturbance or placement of fill that results in land disturbance of equal to or greater than 5000 sf and activities disturbing less

- than 5000 sf of total land area that are part of a *larger common plan of development or sale* and will occur under one plan.”
- c. High priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).
 - i. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or
 - ii. If the *MS4 Operator* utilizes the *qualified inspector’s* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction Stormwater Management

- a. The *MS4 Operator* must require the use of the Enhanced Phosphorus Removal design standards contained in Chapter 10 of the NYS SWMDM 2015 for all new development and redevelopment projects that disturb greater than or equal to one (1) acre and construction projects less than one acre that are part of a larger common plan of development or sale.
- b. The legal authority used to satisfy Part IV.E. must also meet the following provisions:

Land development activities requiring water quantity and quality controls (post-construction *stormwater* runoff controls) must include: “Single-family home construction located in the NYC East of Hudson watershed” and “Single-family residential subdivisions located in the NYC East of Hudson watershed.”
- c. Requirements for SWPPPs that include post-construction *stormwater* controls must include: “Post-construction *SMPs* in the SWPPP must be designed in conformance with Chapter 10 of the NYS SWMDM 2015 for Enhanced Phosphorus Removal Design Standards.”
- d. Performance Standards must include the following enhanced stabilization requirements: “For construction sites located in the NYC East of Hudson watershed, where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected must be in conformance with the NYS E&SC 2016.”
- e. Inspections of land development activities during construction must include requirements for a *qualified inspector* to conduct two (2) site inspections every seven (7) calendar days for single-family homes, and single-family residential, subdivisions within the NYC East of Hudson watersheds.

- f. *Retrofit* program
 - i. All *MS4 Operators* identified within the Croton Watershed Phase II TMDL Implementation Plan, January 2009, must continue to implement the *retrofit* program according to the following schedule:
 - a) Within one (1) year of the EDC, the *MS4 Operator* must submit to the *Department* a *retrofit* plan that identifies the following:
 - i) Project name;
 - ii) Location;
 - iii) Proposed *retrofit* type;
 - iv) Anticipated date for construction;
 - v) Estimated phosphorus reduction (using the criteria in the Croton Watershed Phase II TMDL Implementation Plan, January 2009); and
 - vi) Estimated total phosphorus reduction for all projects demonstrating they will meet the reduction specified in the Croton Watershed Phase II TMDL Implementation Plan, January 2009.
 - b) Within five (5) years of the EDC, all *retrofit* projects must be constructed to achieve the five (5) year phosphorus reduction assigned to the *MS4 Operator*, as required by the Croton Watershed Phase II TMDL Implementation Plan, January 2009.
 - ii. Annually, by December 31, *MS4 Operators* (or *RSE* representing *MS4 Operators* as described in Part III.B.2.b.) must submit to the *Department* any changes made to the *retrofit* plan including the information in Part IX.A.6.e.i.
 - iii. *MS4 Operators* must document the retrofit program in the *SWMP Plan* specifying:
 - a) Progress on *retrofit* projects already commenced; and
 - b) Identification of *retrofit* projects for the upcoming construction season; and
 - c) Certification that completed retrofit projects have been constructed in accordance with the *retrofit* plans.

7. Pollution Prevention/Good Housekeeping

- a. Twice a year, once from March to August and once from September to February, all *catch basins* located in the TMDL watershed(s) must be inspected (Part VI.F.3.c. or Part VII.F.3.c, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

- b. Following the completion of Part IX.A.1, annually, from April 1 through October 31, all streets located in the TMDL watershed(s) must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. This requirement is not applicable to:
 - i. Uncurbed roads with no *catch basins*;
 - ii. High-speed limited access highways;
 - iii. Roads defined as interstates, freeways and expressways, or arterials by the United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- c. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. Within thirty (30) days of inspection, the *MS4 Operator* must initiate all necessary maintenance and repair activities discovered for *municipally* owned or operated post-construction *SMPs*. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in Watersheds to Impaired Waters

Incorporate, where feasible,⁷⁵ cost-effective runoff reduction techniques⁷⁶ during planned *municipal* upgrades including *municipal* right of ways (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).

⁷⁵ Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁷⁶ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

B. Other Phosphorus Impaired Watershed *MS4s*

Table 5. Other Phosphorus Impaired Watersheds			
Area where Requirements Apply	Greenwood Lake	Onondaga Lake	Oscawana Lake
EPA Approved TMDL	<i>Impaired Waters Restoration Plan for Greenwood Lake – Total Maximum Daily Load for Total Phosphorus, Sept 2005</i>	<i>Updated Phosphorus Total Maximum Daily Load for Onondaga Lake, June 2012</i>	<i>Total Maximum Daily Load (TMDL) for Phosphorus in Lake Oscawana, September 2008</i>
Implementation Plan	Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019	None	None
<i>POC</i>	Phosphorus		
Achievement of <i>Pollutant</i> Load Reduction	In accordance with Implementation Plan	In accordance with approved TMDL	In accordance with approved TMDL

MS4 Operators located in the watersheds listed in Table 5 must *develop* and implement the following phosphorus-specific *BMPs* in addition to the applicable Implementation Plan and applicable requirements in Part VI. or Part VII, depending on the *MS4 Operator* type:

1. Mapping

In accordance with the timeframes listed below, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24,000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Within three (3) years of the EDC, include areas with potential to contribute phosphorus to the TMDL waterbody, which include:
 - i. Retail and wholesale plant nurseries (including big box stores);
 - ii. Commercial lawn care facilities;
 - iii. Golf courses; and
 - iv. Commercial or industrial yard waste storage areas (e.g., yard waste composting and disposal areas).
- b. Within three (3) years of the EDC, include the following information for all post-construction *SMPs* as identified in the post-construction *SMP* inventory (Part VI.E.2. or Part VII.E.2, depending on the *MS4 Operator* type):

- i. Type⁷⁷; and
- ii. Ownership.

2. Public Education and Outreach on Stormwater Impacts

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the MS4 Operator's local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part IX.B.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to phosphorus to the applicable target audiences within the TMDL watershed focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the MS4 Operator type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- c. Twice a permit term, separated by a minimum of one (1) year, the *MS4 Operator* must educate residential on-site wastewater system users on the on-site wastewater inspection program described in Part IX.B.4.c and proper maintenance practices. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

3. Public Involvement/Participation

No additional requirements.

4. Illicit Discharge Detection and Elimination

a. Inventory of Potential Phosphorus Sources

Following the completion of Part IX.B.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.B.1.a. for each associated MS4 outfall.

b. On-site wastewater systems

The *MS4 Operator* (with the exclusion of *MS4 Operators* located in the Onondaga Lake watershed) must *develop*, implement, and enforce a program that ensures residential on-site wastewater systems (i.e., septic tanks,

⁷⁷ Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

cesspools, absorption fields or distribution systems) are properly operated and do not contribute *pollutants* to the *MS4*. The *MS4 Operator* must:

- i. Once every five (5) years, ensure that residential septic tanks/cesspools are pumped out and system components (i.e., septic tanks, cesspools and installed absorption field) are inspected;
- ii. Ensure the following information is collected and document the completion of this requirement in the *SWMP Plan*:
 - a) Individual performing inspection;
 - b) Inspection date;
 - c) Address;
 - d) Location of system on property;
 - e) Inspection rating (pass/fail);
 - f) Evidence of failed systems;
- iii. Refer failures to the appropriate agency to ensure corrective actions are taken; and
- iv. Eliminate *illicit discharges* from on-site wastewater systems to the *MS4* in accordance with the time frames specified in Part VI.C.3. or Part VII.C.3, depending on the *MS4 Operator* type.

5. Construction Site Stormwater Runoff Control

High priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

- a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or
- b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post Construction Stormwater Management

- a. The *MS4 Operator* must require the use of the Enhanced Phosphorus Removal design standards contained in Chapter 10 of the NYS SWMDM 2015 for all new development and redevelopment projects within the listed watersheds.
- b. The legal authority used to satisfy Part IV.E.2.b. must also include the following language requiring the use of the Enhanced Phosphorus Removal

Design Standards in accordance with the NYS SWMDM 2015 for the applicable watershed:

“Land development activities requiring water quantity and quality controls (post-construction *stormwater* runoff controls) must include: “Single-family home construction located in the <insert watershed name> watershed” and “Single-family residential subdivisions located in the <insert watershed name> watershed.”

- c. Requirements for SWPPPs that include post-construction *stormwater* controls must include: “Post-construction *SMPs* in the SWPPP must be designed in conformance with the Enhanced Phosphorus Removal Design Standards in the NYS SWMDM 2015.”
- d. Performance Standards must include the following enhanced stabilization requirements: “Where soil disturbance activity has temporarily or permanently ceased, the construction site is located in the <*insert watershed name*> watershed, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected must be in conformance with the Erosion Control Manual.”
- e. Inspections of land development activities during construction must include requirements for a *qualified inspector* to conduct two (2) site inspections every seven (7) calendar days for single-family homes and subdivisions within the <*insert watershed name*> watersheds.
- f. *Retrofit* program
 - i. All *MS4 Operators* identified within the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019, must continue to implement the *retrofit* program according to the following schedule:
 - a) Within one (1) year of the EDC, the *MS4 Operator* must submit to the *Department* a *retrofit* plan that identifies the following:
 - i) Project name;
 - ii) Location;
 - iii) Proposed *retrofit* type;
 - iv) Anticipated date for construction;
 - v) Estimated phosphorus reduction (using the criteria in the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019); and
 - vi) Estimated total phosphorus reduction for all projects demonstrating they will meet the reduction specified in the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019.
 - b) Within five (5) years of the EDC, all *retrofit* projects must be constructed to achieve the five (5) year phosphorus reduction assigned

to the *MS4 Operator*, as required by the Greenwood Lake Watershed Phosphorus TMDL Implementation Plan, October 2019.

- ii. Annually, by December 31, *MS4 Operators* (or *RSE* representing *MS4 Operators* as described in Part III.B.2.b.) must submit to the *Department* any changes made to the *retrofit* plan including the information in Part IX.A.6.e.i.
- iii. *MS4 Operators* must document the retrofit program in the *SWMP Plan* specifying:
 - a) Progress on *retrofit* projects already commenced; and
 - b) Identification of *retrofit* projects for the upcoming construction season; and
 - c) Certification that completed retrofit projects have been constructed in accordance with the *retrofit* plans.

7. Pollution Prevention/Good Housekeeping

Following the completion of Part IX.B.1:

- a. Annually, from April 1 through October 31, all streets located in the TMDL watershed(s) must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.
- b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- c. Within thirty (30) days of inspection, the *MS4 Operator* must initiate all necessary maintenance and repair activities discovered for *municipally* owned or operated post-construction *SMPs*. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities in Watersheds to Impaired Waters*

Incorporate, where feasible,⁷⁸ cost-effective runoff reduction techniques⁷⁹ during planned *municipal* upgrades including *municipal* right of ways (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).

C. Pathogen Impaired Watersheds *MS4s*

No Pathogen TMDL requirements.

D. Nitrogen Impaired Watershed *MS4s*

Table 6. Nitrogen Impaired Watershed(s)	
Area where Requirements Apply	Peconic
EPA Approved TMDL	<i>TMDL for Nitrogen in the Peconic Estuary Program Study Area, Including Waterbodies Currently Impaired Due to Low Dissolved Oxygen: the Lower Peconic River and Tidal Tributaries; Western Flanders Bay and Lower Sawmill Creek; and Meetinghouse Creek, Terry Creek and Tributaries (September 2007)</i>
Implementation Plan	<i>TMDL for Nitrogen in the Peconic Estuary Program Study Area, Including Waterbodies Currently Impaired Due to Low Dissolved Oxygen: the Lower Peconic River and Tidal Tributaries; Western Flanders Bay and Lower Sawmill Creek; and Meetinghouse Creek, Terry Creek and Tributaries (September 2007)</i>
<i>POC</i>	Nitrogen
<i>Pollutant Load Reduction</i>	In accordance with approved TMDL
Waterbodies	Terrys Creek & Tributaries
	Meetinghouse Creek
	Western Flanders Bay & Lower Sawmill Creek
	Lower Peconic River and tidal tributaries

⁷⁸ Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

⁷⁹ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

MS4 Operators located in the watersheds listed in Table 6 must *develop* and implement the following nitrogen-specific *BMPs* in addition to the applicable Implementation Plan and applicable requirements in Part VI. or Part VII, depending on the *MS4 Operator* type:

1. Mapping

Within three (3) years of the EDC, the *MS4 Operator* must update, in geographic information system (GIS) format with a scale of 1:24000 or finer, the comprehensive system mapping (Part IV.D.) to include:

- a. Areas with potential to contribute nitrogen to the *TMDL* waterbody, which include:
 - i. Retail and wholesale plant nurseries (including big box stores);
 - ii. Commercial lawn care facilities;
 - iii. Golf courses; and
 - iv. Commercial or Industrial yard waste storage areas (e.g., yard waste composting and disposal areas).
- b. Information for all post-construction *SMPs* as identified in the post-construction *SMP* inventory (Part VI.E.2. or Part VII.E.2, depending on the *MS4 Operator* type):
 - i. Type;⁸⁰ and
 - ii. Ownership of *SMP*.

2. Public Education and Outreach on Stormwater Impacts

- a. Within six (6) months of the EDC, the *MS4 Operator* must make available information on any how the impairment is being addressed by implementation of the *MS4 Operator's* local law or legal mechanism with content equivalent to the model local law (Part IV.E.1 and Part IV.E.2.). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- b. Following the completion of Part IX.D.1, twice a year, once from March to August and once from September to February, the *MS4 Operator* must provide educational messages with information specific to nitrogen to the applicable target audiences within the *TMDL* watershed focus area, identified in Part VI.A.1.b. or Part VII.A.1.b, depending on the *MS4 Operator* type. The *SWMP Plan* must be updated with changes made to public education and outreach program (Part VI.A. or Part VII.A, depending on the *MS4 Operator* type). *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

⁸⁰ Post-construction *SMP* types are defined in the New York State Department of Environmental Conservation Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017).

3. Public Involvement/Participation

No additional requirements.

4. Illicit Discharge Detection and Elimination

Following the completion of Part IX.D.1, within five (5) years of the EDC, the MS4 Operator must include on the *MS4 outfall* inventory (Part VI.C.1.c. or Part VII.C.1.c, depending on the MS4 Operator type) the number of each item identified in Part VIII.D.1.a. for each associated MS4 outfall.

5. Construction Site Stormwater Runoff Control

High priority construction sites must be inspected during active construction after the pre-construction meeting (Part VI.D.7. or Part VII.D.7, depending on the *MS4 Operator* type).

- a. If the *MS4 Operator* is completing the inspection, the construction site must be inspected every ninety (90) days; or
- b. If the *MS4 Operator* utilizes the *qualified inspector's* weekly inspection reports, as required by the CGP, to satisfy this requirement, the *MS4 Operator* must inspect the construction site once every six (6) months, or sooner if any deficiencies are noted that require attention.

MS4 Operators must document the construction site inspections in the *SWMP Plan*.

6. Post-Construction Stormwater Management

The *MS4 Operator* must ensure on-site retention of the 1-year storm or greater from new development or redevelopment projects using runoff reduction techniques⁸¹ selected from the NYS SWMDM 2015.

7. Pollution Prevention/Good Housekeeping

Following the completion of Part IX.D.1:

- a. Annually, from April 1 through October 31, all streets located in the TMDL watershed(s) must be swept. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*. 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 United States Department of Transportation, Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013.

⁸¹ Runoff reduction techniques can be found in Chapters 4 and 5 of the NYS SWMDM 2015.

- b. Within six (6) months of *MS4 outfall* inspection, the *MS4 Operator* must initiate actions to repair all *MS4 outfall* protection and/or bank stability problems identified during the inspection. Repairs must be completed in accordance with the NYS E&SC 2016. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.
- c. Within thirty (30) days of inspection, the *MS4 Operator* must initiate all necessary maintenance and repair activities discovered for *municipally* owned or operated post-construction *SMPs*. *MS4 Operators* must document the completion of this requirement in the *SWMP Plan*.

8. Planned Upgrades to *Municipal Facilities* in Watersheds to Impaired Waters

Incorporate, where feasible,⁸² cost-effective runoff reduction techniques⁶⁸ during planned *municipal* upgrades including *municipal* right of ways (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).

⁸² Consideration of feasibility should include type of land use or *municipal operation*, suitability of soils, presence of utilities, potential for exacerbating existing contamination problems, safety issues, maintenance requirements, and expected lifespans of available technologies.

Part X. Standard Permit Conditions

For the purposes of this *SPDES* general permit, examples of contractors and subcontractors include:

A. Duty to Comply

The owner/operator, and all contractors or subcontractors, must comply with all terms and conditions of this *SPDES* general permit. Any non-compliance with the terms and conditions of this *SPDES* general permit constitutes a violation of the New York State Environmental Conservation Law, and its implementing regulations, and is grounds for enforcement action. Filing of a request for transfer or termination of coverage under this *SPDES* general permit, or a notification of planned changes or anticipated non-compliance, does not limit, diminish or stay compliance with any terms and conditions of this *SPDES* general permit.

B. Need to Halt or Reduce Activity is Not a Defense

The necessity to halt or reduce the activity regulated by this *SPDES* general permit, in order to maintain compliance with the conditions of this *SPDES* general permit, shall not be a defense in an enforcement action.

C. Penalties

There are substantial criminal, civil, and administrative penalties associated with violating the terms and conditions of this *SPDES* general permit. Fines of up to \$37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. False Statements

Any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this *SPDES* general permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished in accordance with New York State Environmental Conservation Law §71-1933 and or New York State Penal Law Articles 175 and 210.

E. Reopener Clause

Upon issuance of this *SPDES* general permit, a determination has been made on the basis of a submitted Notice of Intent, plans, or other available information, that compliance with the specified general permit terms and conditions will reasonably protect classified water use and assure compliance with applicable *water quality standards*. Satisfaction of the conditions of this *SPDES* general permit notwithstanding, if operation pursuant to this *SPDES* general permit causes or contributes to a condition in contravention of State *water quality standards* or guidance values, or if the *Department* determines that a modification is necessary to prevent impairment of the best use of the waters or to assure maintenance of *water*

quality standards or compliance with other provisions of New York State Environmental Conservation Law Article 17 or the Clean Water Act, or any regulations adopted pursuant thereto, the *Department* may require such modification and the Commissioner may require abatement action to be taken by the owner/operator and may also prohibit such operation until the modification has been implemented.

F. Duty to Mitigate

The owner/operator, and its contractors and subcontractors, shall take all reasonable steps to minimize or prevent any *discharge* in violation of this *SPDES* general permit which has a reasonable likelihood of adversely affecting human health or the environment.

G. Requiring Another General Permit or Individual *SPDES* Permit

The *Department* may require any discharger authorized to *discharge* in accordance with this *SPDES* general permit to apply for and obtain an individual *SPDES* permit or apply for authorization to *discharge* in accordance with another general permit.

- (1) Cases where an individual *SPDES* permit or authorization to *discharge* in accordance with another general permit may be required include, but is not limited to the following:
 - (i) the discharger is not in compliance with the conditions of this *SPDES* general permit or does not meet the criteria for coverage under this *SPDES* general permit;
 - (ii) a change has occurred in the availability of demonstrated technology or practices for the control or abatement of *pollutants* applicable to the point source;
 - (iii) new effluent limitation guidelines or new source performance standards are promulgated that are applicable to point sources authorized to *discharge* in accordance with this *SPDES* general permit;
 - (iv) existing effluent limitation guidelines or new source performance standards that are applicable to point sources authorized to *discharge* in accordance with this *SPDES* general permit are modified;
 - (v) a water quality management plan containing requirements applicable to such point sources is approved by the *Department*;
 - (vi) circumstances have changed since the time of the request to be covered so that the discharger is no longer appropriately controlled under this *SPDES* general permit, or either a temporary or permanent reduction or elimination of the authorized *discharge* is necessary;
 - (vii) the *discharge* is in violation of section 17-0501 of the New York State Environmental Conservation Law;
 - (viii) the *discharge(s)* is a significant contributor of *pollutants*. In making this determination, the *Department* may consider the following factors:

- (a) the location of the *discharge(s)* with respect to waters of New York State;
 - (b) the size of the *discharge(s)*;
 - (c) the quantity and nature of the *pollutants discharged* to waters of New York State; and
 - (d) other relevant factors including compliance with other provisions of New York State Environmental Conservation Law Article 17, or the Clean Water Act.
- (1) When the *Department* requires any discharger authorized by this *SPDES* general permit to apply for an individual *SPDES* permit as provided for in this subdivision, it shall notify the discharger in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a time for the owner/operator to file the application for an individual *SPDES* permit, and a deadline, not sooner than 180 days from the owner/operator's receipt of the notification letter, whereby the authorization to discharge under this *SPDES* general permit shall be terminated. The *Department* may grant additional time upon demonstration, to the satisfaction of the Regional Water Engineer, that additional time to apply for an alternative authorization is necessary or where the *Department* has not provided a permit determination in accordance with 6 NYCRR Part 621.
- (2) When an individual *SPDES* permit is issued to a discharger authorized to *discharge* under this *SPDES* general permit for the same *discharge(s)*, this *SPDES* general permit authorization for outfalls authorized under the individual *SPDES* permit is automatically terminated on the effective date of the individual *SPDES* permit unless termination is earlier in accordance with 6 NYCRR Part 750.

H. Duty to Provide Information

The owner/operator shall furnish to the *Department*, within five (5) business days, unless otherwise set forth by the *Department*, any information that the *Department* may request to determine whether cause exists to determine compliance with this *SPDES* general permit or to determine whether cause exists for requiring an individual *SPDES* permit in accordance with 6 NYCRR 750-1.21l (see G. Requiring Another General Permit or Individual Permit). The owner/operator shall make available to the *Department*, for inspection and copying, or furnish to the *Department* within 25 business days of receipt of a *Department* request for such information, any information retained in accordance with this *SPDES* general permit. Where the owner/operator becomes aware that it failed to submit any relevant facts on the Notice of Intent, or submitted incorrect information in a Notice of Intent or in any report to the *Department*, the owner/operator shall promptly submit such facts or corrected information to the *Department*.

I. Extension

In the event a new *SPDES* general permit is not issued prior to the expiration of this *SPDES* general permit, and this *SPDES* general permit is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, then the owner/operator

with coverage under this *SPDES* general permit may continue to operate and *discharge* in accordance with the terms and conditions of this *SPDES* general permit until a new *SPDES* general permit is issued.

J. Signatories and Certification

The Notice of Intent, Notice of Termination and reports required by this *SPDES* general permit shall be signed as provided in 40 CFR §122.22

(a) All Notices of Intent and Notices of Termination shall be signed as follows:

- (1) For a corporation. By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or
 - (ii) The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for Notice of Intent or Notice of Termination requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

Note: The *Department* does not require specific assignments or delegations of authority to responsible corporate officers identified in 40 CFR §122.22(a)(1)(i). The *Department* will presume that these responsible corporate officers have the requisite authority to sign the Notice of Intent or Notice of Termination unless the corporation has notified the *Department* to the contrary. Corporate procedures governing authority to sign a Notice of Intent or Notice of Termination may provide for assignment or delegation to applicable corporate positions under 40 CFR §122.22(a)(1)(ii) rather than to specific individuals.

- (2) For a partnership or sole proprietorship. By a general partner or the proprietor, respectively; or
- (3) For a *municipality*, State, Federal, or other public agency. By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - (i) The chief executive officer of the agency, or
 - (ii) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

- (b) All reports required by this *SPDES* general permit, and other information requested by the *Department* shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- (1) The authorization is made in writing by a person described in (a);
 - (2) 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, or an individual or position having overall responsibility for environmental matters for the company (A duly authorized representative may thus be either a named individual or any individual occupying a named position.), and
 - (3) The written authorization is submitted to the *Department*.
- (c) Changes to authorization. If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility or activity, a new authorization satisfying the requirements of (b) must be submitted to the *Department* prior to or together with any reports, information, or applications to be signed by an authorized representative.
- (d) Certification. Any person signing a document under (a) or (b) shall make the following certification:
- 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.*
- (e) Electronic reporting. If documents described in (a) or (b) are submitted electronically by or on behalf of the activity with coverage under this *SPDES* general permit, any person providing the electronic signature for such documents shall meet all relevant requirements of this section, and shall ensure that all of the relevant requirements of 40 CFR Part 3 (including, in all cases, subpart D to Part 3) (Cross-Media Electronic Reporting) and 40 CFR Part 127 (NPDES Electronic Reporting Requirements) are met for that submission.

K. Inspection & Entry

The owner/operator shall allow the *Department*, the USEPA Regional Administrator, the applicable county health department, or any authorized representatives of those entities, upon the presentation of credentials and other documents as may be required by law, to:

- (a) enter upon the owner/operator's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this *SPDES* general permit;
- (b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this *SPDES* general permit, including records required to be maintained for purposes of operation and maintenance;
- (c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this *SPDES* general permit;
- (d) sample or monitor at reasonable times, for the purposes of assuring *SPDES* general permit compliance or as otherwise authorized by the Clean Water Act or New York State Environmental Conservation Law, any substances or parameters at any location; and
- (e) enter upon the property of any contributor to the regulated facility or activity under authority of the owner/operator.

L. Confidentiality of Information

The following shall not be held confidential: this *SPDES* general permit, the fact sheet for this *SPDES* general permit, the name and address of any owner/operator, effluent data, the Notice of Intent, and information regarding the need to obtain an individual permit or an alternative general permit. This includes information submitted on forms themselves and any attachments used to supply information required by the forms (except information submitted on usage of substances). Upon the request of the owner/operator, the *Department* shall make determinations of confidentiality in accordance with 6 NYCRR Part 616, except as set forth in the previous sentence. Any information accorded confidential status shall be disclosed to the Regional Administrator upon his or her written request. Prior to disclosing such information to the Regional Administrator, the *Department* will notify the Regional Administrator of the confidential status of such information.

M. Other Permits May Be Required

Nothing in this *SPDES* general permit relieves the owner/operator from a requirement to obtain any other permits required by law.

N. Property Rights

Coverage under this *SPDES* general permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations, nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the *discharge* authorized.

O. Compliance with Interstate Standards

If the activity covered by this *SPDES* general permit originates within the jurisdiction of an interstate water pollution control agency, then the activity must also comply

with any applicable effluent standards or *water quality standards* promulgated by that interstate agency and as set forth in this *SPDES* general permit for such activities.

P. Oil & Hazardous Substance Liability

Coverage under this *SPDES* general permit does not affect the imposition of responsibilities upon, or the institution of any legal action against, the owner or operator under section 311 of the Clean Water Act, which shall be in conformance with regulations promulgated pursuant to section 311 governing the applicability of section 311 of the Clean Water Act to *discharges* from facilities with NPDES permits, nor shall such issuance preclude the institution of any legal action or relieve the owner or operator from any responsibilities, liabilities, or penalties to which the owner or operator is or may be subject pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. section 9601 et seq. (CERCLA).

Q. Severability

The provisions of this *SPDES* general permit are severable, and if any provision of the permit, or the application of any provision of the permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.

Appendix A. Acronyms and Definitions

Acronym List

BMP – Best Management Practice
 CFR – Code of Federal Regulations
 CGP – SPDES General Permit for Stormwater from Construction Activities, GP-0-20-001
 CWA – Clean Water Act
 ECL – Environmental Conservation Law
 EDC – Effective Date of Coverage
 EDP – Effective Date of the Permit
 eNOI – Electronic Notice of Intent
 EPCRA - Emergency Planning and Community Right-To-Know Act
 ERP – Enforcement Response Plan
 IDDE – Illicit Discharge Detection and Elimination
 MCM – Minimum Control Measure
 MS4 – Municipal Separate Storm Sewer System
 MS4 GP – SPDES General Permit for Stormwater Discharges from the Municipal Separate Storm Sewer Systems, GP-0-24-001
 MSGP – SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, GP-0-23-001
 NOI – Notice of Intent
 NPDES – National Pollutant Discharge Elimination System
 NYCRR – New York Codes, Rules and Regulations
 NYS DEC – New York State Department of Environmental Conservation
 O&M – Operations and Maintenance
 ORI – Outfall Reconnaissance Inventory
 POC – Pollutant of Concern
 RSE – Regional Stormwater Entity
 SPDES – State Pollutant Discharge Elimination System
 SMP – Stormwater Management Practice
 SWMP – Stormwater Management Program
 SWMP Plan – Stormwater Management Program Plan

SWPPP – Stormwater Pollution Prevention Plan

TMDL – Total Maximum Daily Load

USEPA – United States Environmental Protection Agency

Definitions

All definitions in this section are solely for the purposes of this permit. If a word is not defined below, use it how it is commonly defined.

Additionally Designated Areas – those areas that meet the additional designation criteria, Designation Criteria for Identifying Regulated Municipal Separate Storm Sewer Systems (*MS4s*), January 2010, revised January 2023 and found in Appendix B.

Additionally Designated Area MS4 Outfall (ADA MS4 outfall) – any point of *stormwater discharge* from pipes, ditches, and swales, as well as other points of concentrated flow, to impaired waters listed in Appendix C from an *MS4 Operator's MS4*. Areas of *sheet flow* which drain to impaired waters listed in Appendix C are not considered *ADA MS4 outfalls*.

Automatically Designated Areas – those areas served by *MS4s* that meet the automatic designation criteria, Designation Criteria for Identifying Regulated Municipal Separate Storm Sewer Systems (*MS4s*), January 2010, revised January 2023 and found in Appendix B.

Best Management Practice (BMP) – schedules of activities, practices, and prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage and leaks, sludge or waste disposal, or drainage from areas that could contribute pollutants to *stormwater discharges*.

Catch Basin(s) – a cistern, vault, chamber, or well that is part of the *MS4* and designed to capture trash, sediment, and/or debris in its *sump*.

Construction Activity(ies) – any clearing, grading, excavation, demolition or stockpiling activity that results in soil disturbance. Clearing activities can include but are not limited to logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. *Construction activity* does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Department – the New York State *Department* of Environmental Conservation as well as meaning the *Department's* designated agent.

Develop (Developed) – for *MS4 Operators* continuing coverage, *develop* means to continue to implement their current SWMP and update the SWMP to comply with the permit requirement; for newly designated *MS4 Operators*, *develop* means to create that permit requirement.

Discharge (Discharging) – any addition of any pollutant to *surface waters of the State* through an outlet or point source (6 NYCRR 750-1.2(a)(28)).

Dry Weather – prolonged dry periods (at least 48 hours after the last runoff event).

Groundwater – waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Illicit Discharge – any *discharge* into an *MS4* that is not entirely composed of *stormwater*, except those identified in Part I.A.3. Examples of *illicit discharges* are non-permitted sanitary sewage, garage drain effluent, and waste motor oil. However, an *illicit discharge* could be any other non-permitted discharge which the *MS4 Operator* or *Department* has determined to be a substantial contributor of pollutants to the *MS4*. *Illicit discharges* can occur throughout the *MS4*, including at post-construction *SMPs*.

Industrial Activity – the eleven (11) categories of industrial activities included in the definition of “*stormwater discharges* associated with industrial activity,” as defined in 40 CFR 122.26(b)(14)(i)-(ix) and (xi).

Interconnection – 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*.

Intermittent Discharge – a *discharge* which occurs over a shorter period of time (e.g., a few hours per day or a few days per year) (CWP 2004).

Larger Common Plan of Development or Sale – a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term “plan” in “larger common plan of development or sale” is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, sales pitch, advertisement, drawing, permit application, State Environmental Quality Review Act Application, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a *larger common plan of development or sale* that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed.

MS4 Operator – the person, persons, or legal entity that obtains coverage and is responsible for the *MS4*.

MS4 Outfall – 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*.

Municipal (Municipally) – a county, town, city, village, district corporation, special improvement district, sewer authority or agency thereof. Examples of other public entities that are included in this program include State University Campuses, federal and State prisons, State and federal hospitals, Dormitory Authorities, public housing authorities, school and other special districts.

Municipal Facility – an *MS4 Operator* owned and/or operated facility with the potential to *discharge* pollutants to the *MS4* and/or *surface water of the State* of the State.

Municipal Facility Intraconnection – 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*.

Municipal Operations (Operations) – activities conducted by the *MS4 Operator* with the potential to discharge pollutants to the *MS4* and/or *surface water of the State*.

Municipal Separate Storm Sewer System (MS4) – a conveyance or system of conveyances (including roads with drainage systems, *municipal* streets, *catch basins*, curbs, gutters, ditches, man-made channels, or storm drains):

1. owned or operated by a State, city, town, village, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, *stormwater*, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA, that *discharges to surface waters of the State*;
2. designed or used for collecting or conveying *stormwater*;
3. which is not a combined sewer; and
4. which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System – the national system for the issuance of wastewater and *stormwater* permits under the Federal Water Pollution Control Act (Clean Water Act).

No Exposure – all industrial materials or activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff.

Non-traditional MS4 Operators– state, federal, county and other publicly owned properties such as state university campuses, prisons, office complexes, hospitals, military installations public housing authorities, school and other special districts.

Obvious Illicit Discharge –an *illicit discharge* from a flowing *MS4 outfall* that does not require sample collection for confirmation; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Outfall Characterization.

Physical Indicator Present in the Flow – a sensory indicator present in the *discharge* from *monitoring location* including odor, color, turbidity and floatables; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 4: Physical Indicators for Flowing Monitoring Locations Only.

Physical Indicator not Related to Flow – an indicator of past *discharges*, potentially *intermittent* or *transitory discharge*, including *monitoring location* damage, *monitoring location* deposits or stains, abnormal vegetation growth, poor pool quality or pipe benthic growth; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 5: Physical Indicators for Both Flowing and Non-Flowing Monitoring Locations. These physical indicators can be present at both flowing and non-flowing monitoring locations.

Pollutant – dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, *municipal*, agricultural waste and ballast *discharged* into water; which may cause or might reasonably be expected to cause pollution of the waters of the State in contravention of the standards or guidance values adopted as provided in Parts 700 et seq of this Title. For the purposes of this *SPDES* general permit, relevant pollutants include, but are not limited to, nitrogen, phosphorus, chloride, silt and sediment, pathogens, herbicides/pesticides, floatables, petroleum hydrocarbons, heavy metals, and polycyclic aromatic hydrocarbons (PAHs).

Pollutant of Concern (POC) – a pollutant causing the impairment of an impaired water segment with an approved TMDL and/or listed in Appendix C, including phosphorus, silt/sediment, pathogens, nitrogen, and floatables.

Privately Owned/Operated – not owned/operated by the *MS4 Operator* or another *MS4 Operator*.

Publicly Owned/Operated – owned/operated by the *MS4 Operator*.

Qualified Inspector – a person who is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other *Department* endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct

supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of *Department* endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other *Department* endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect must receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *qualified professional* qualifications in addition to the *qualified inspector* qualifications.

Note: Inspections of any post-construction *SMPs* that include structural components, such as a dam for an impoundment, must be performed by a licensed Professional Engineer.

Qualified Professional – a person who is knowledgeable in the principles and practices of *stormwater* management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect, or other *Department* endorsed individual(s). Individuals preparing SWPPPs that require the post-construction *SMP* component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics in order to prepare a SWPPP that conforms to the *Department's* technical standard. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), must be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Qualifying Storm Event – a storm event with at least 0.1 inch of precipitation, providing the interval from the preceding measurable storm is at least 72 hours. The 72-hour storm interval is waived if the preceding measurable storm did not result in a *stormwater discharge* (e.g., a storm events in excess of 0.1 inches may not result in a *stormwater discharge* at some facilities), or if the *MS4 Operator* is able to document that less than a 72-hour interval is representative for local storm events during the sampling period.

Regional Stormwater Entity (RSE) – an organization made up of multiple cooperating regulated and/or nonregulated entities located in the same geographical region of the State who share resources to improve overall *stormwater* management in their area.

Retrofit – to modify or add to existing *stormwater* infrastructure for the purpose of reducing pollutant loadings.

Sheet Flow – *stormwater* runoff flowing in a thin layer over the ground surface.

Sizing Criteria – the criteria included in the CGP that are used to size post-construction *stormwater* management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), Overbank Flood (Qp), and Extreme Flood (Qf).

State Pollutant Discharge Elimination System (SPDES) – the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing *discharges* to the waters of the State.

Stormwater – that portion of precipitation that, once having fallen to the ground, is in excess of the evaporative or infiltrative capacity of soils, or the retentive capacity of surface features, which flows or will flow off the land by surface runoff to waters of the State.

Stormwater Hotspots - a land use or activity that generates higher concentrations of hydrocarbons, trace metals or toxicants than are found in typical *stormwater* runoff, based on monitoring studies. For further detail, see Section 4.11 of the NYS SWMDM 2015.

Stormwater Management Practices (SMPs) – measures, either structural or nonstructural, that are constructed as part of new development or redevelopment projects and are intended to capture, treat, reduce and/or retain *stormwater* runoff.

Stormwater Management Program (SWMP) – the program *developed* and implemented by the *MS4 Operator* which provides a comprehensive integrated planning approach involving public participation and, where necessary, intergovernmental coordination, to reduce the *discharge* of POCs and specified pollutants to the *MEP*, using management practices, control techniques and systems, design and engineering methods, and other appropriate provisions. *MS4 Operators* are required at a minimum to *develop*, implement, and enforce a *SWMP* designed to address POCs and reduce the *discharge* of pollutants from the *MS4* to the *MEP*, to protect water quality, and to satisfy the appropriate water quality requirements of the ECL and the Clean Water Act. The *SWMP* must address all permit requirements in this *SPDES* general permit.

Stormwater Management Program Plan (SWMP Plan) – is used by the *MS4 Operator* to document and detail the activities and measures that will be implemented to meet the terms and conditions of this *SPDES* general permit. The *SWMP Plan* must be updated during the permit term as the *MS4 Operator's* activities are modified to meet permit conditions. The *SWMP Plan* can be hardcopy or digital.

Storm-sewershed (sewershed) – the catchment that drains to a waterbody based on the *MS4* and surface topography. Adjacent catchment areas that drain to the same waterbody are not separate storm-sewersheds.

Sump – the part of the *catch basin* between the bottom interior of the *catch basin* and the invert of the deepest outlet of the *catch basin*.

Surface Water(s) of the State – must be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that

do not combine or effect a junction with natural surface or underground waters), which are wholly or partially within or bordering the state or within its jurisdiction.

Waters of the state are further defined in 6 NYCRR Parts 800 to 941. Storm sewers are not waters of the state unless they are classified in 6 NYCRR Parts 800 to 941. Nonetheless, a *discharge* to a storm sewer must be regulated as a *discharge* at the point where the storm sewer *discharges* to waters of the state.

Suspect Illicit Discharge – an *illicit discharge* from flowing monitoring locations with high severity (score of 3) on one or more physical indicators based on the relative severity index of physical indicators for flowing *MS4 outfalls* only; this references the Monitoring Locations Inspection and Sampling Field Sheet, adapted from CWP 2004, Section 6: Overall Outfall Characterization.

Total Maximum Daily Load (TMDL) – the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. It is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL stipulates Waste Load Allocations (WLA) for point source *discharges*, Load Allocations (LA) for nonpoint sources, and a margin of safety (MOS).

Traditional Land Use Control MS4 Operators – a city, town, or village with land use control authority.

Traditional Non-land Use Control MS4 Operators – any county agency without land use control.

Transitory Discharge – a *discharge* which occurs rarely, usually in response to a singular event such as an industrial spill, ruptured tank, sewer break, transport accident or illegal dumping episode (CWP 2004).

Water Quality Standard – such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

Appendix B. Designation Criteria for Identifying Regulated Municipal Separate Storm Sewer Systems (MS4s), January 2010, revised January 2023

The universe of small *municipal* separate storm sewer systems (MS4s) is quite large. However, only a sub-set of small MS4s, referred to as “regulated” small MS4s, are covered by the Federal *stormwater* regulations. A small MS4 can be designated as a regulated MS4 through *automatic designation* by the USEPA or by meeting designation criteria developed by the NPDES permitting authority, the New York State Department of Environmental Conservation (*Department*) in New York State.

Automatic Designation Criteria Required by USEPA

The USEPA's automatic designation criteria are based strictly on population and density. An area is *automatically designated* if the population is at least 50,000 and has an overall population density of at least 1,000 people per square mile based on the 2000 and 2010 censuses.

Additional Designation Criteria

The USEPA requires the *Department* to develop a set of criteria for *additionally designated areas*. The following criteria, using a combination of population and environmental factors, have been adopted to designate additional MS4s in NYS.

Criterion 1: MS4s *discharging* to waters for which an USEPA-approved Total Maximum Daily Load (TMDL) requires reduction of a *pollutant of concern* beyond what can be achieved with existing programs (and the area is not already covered under automatic designation).

Criterion 2: MS4s, contiguous to *automatically designated areas* (municipal lines), that *discharge* to sensitive waters classified as AA-Special (fresh surface waters), AA (fresh surface waters) with filtration avoidance determination or SA (saline surface waters).

Criterion 3: *Automatically designated areas* are extended to town, village, or city boundaries, but only for town, village or city implementation of minimum control measure 4 construction site stormwater runoff control and minimum control measure 5 post-construction stormwater management in development and redevelopment. This additional designation may be waived, by written request to the *Department*, where the *automatically designated area* is a small portion of the total area of the town, village or city (less than 15 %) and where there is little or no *construction activity* in the area outside of the *automatically designated area* (less than 5 disturbed acres per year).

Appendix C. List of Impaired Waters

NOTES FOR THE TABLE BELOW:

1. *MS4 Operators* must implement Part VIII.A. Pollutant Specific BMPs for Phosphorus for waterbodies with the pollutant listed as "phosphorus."
2. *MS4 Operators* must implement Part VIII.B. Pollutant Specific BMPs for Silt/Sediment for waterbodies with the pollutant listed as "silt/sediment."
3. *MS4 Operators* must implement Part VIII.C. Pollutant Specific BMPs for Pathogens for waterbodies with the pollutant listed as "pathogens" or "fecal coliform."
4. *MS4 Operators* must implement Part VIII.D. Pollutant Specific BMPs for Nitrogen for waterbodies with the pollutant listed as "nitrogen" or "ammonia."
5. *MS4 Operators* must implement Part VIII.E. Pollutant Specific BMPs for Floatables for waterbodies with the pollutant listed as "garbage & refuse," "oil/grease," or "oil & floating substances."

County	Waterbody Inventory/Priority Waterbody List Name (WI/PWL Number)	Pollutant
Albany	Ann Lee (Shakers) Pond, Stump Pond (1201-0096)	Phosphorus
Bronx	Bronx River, Lower (1702-0006) 18	Fecal Coliform
Bronx	Bronx River, Lower (1702-0006) 18	Garbage & Refuse
Bronx	Bronx River, Middle, and tribs (1702-0106) 18	Fecal Coliform
Bronx	Bronx River, Middle, and tribs (1702-0106) 18	Garbage & Refuse
Bronx	Hutchinson River, Lower, and tribs (1702 0003) 18	Garbage & Refuse
Bronx	Long Island Sound, Western Portion (1702-0027)	Nitrogen
Bronx	Van Cortlandt Lake (1702-0008)	Phosphorus
Bronx	Westchester Creek (1702-0012) 18	Garbage & Refuse
Broome	Minor Tribs to Lower Susquehanna (0603-0044)	Phosphorus
Chautauqua	Chadakoin River and tribs (0202-0018)	Phosphorus
Chautauqua	Lake Erie (Main Lake, South) (0105-0033)	Fecal Coliform
Chautauqua	Lake Erie, Dunkirk Harbor (0105-0009)	Fecal Coliform
Dutchess	Fallkill Creek (1301-0087)	Phosphorus
Dutchess	Wappingers Lake (1305-0001)	Phosphorus
Dutchess	Wappingers Lake (1305-0001)	Silt/Sediment
Erie	Delaware Park Pond (0101-0026)	Phosphorus
Erie	Ellicott Creek, Lower, and tribs (0102-0018)	Phosphorus
Erie	Ellicott Creek, Lower, and tribs (0102-0018)	Silt/Sediment

Erie	Green Lake (0101-0038)	Phosphorus
Erie	Lake Erie (Main Lake, North) (0104-0037)	Fecal Coliform
Erie	Lake Erie (Northeast Shoreline) (0104-0036)	Fecal Coliform
Erie	Rush Creek and tribs (0104-0018)	Fecal Coliform
Erie	Rush Creek and tribs (0104-0018)	Phosphorus
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Fecal Coliform
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Oils & Floating Sub.
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Phosphorus
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Fecal Coliform
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Oils & Floating Sub.
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Phosphorus
Erie	Scajaquada Creek, Upper, and tribs (0101-0034)	Fecal Coliform
Erie	Scajaquada Creek, Upper, and tribs (0101-0034)	Phosphorus
Erie	South Branch Smoke Cr, Lower, and tribs (0101-0036)	Phosphorus
Erie	South Branch Smoke Cr, Lower, and tribs (0101-0036)	Silt/Sediment
Genesee	Tonawanda Cr, Middle, Main Stem (0102-0002)	Phosphorus
Genesee	Tonawanda Cr, Middle, Main Stem (0102-0006)	Fecal Coliform
Herkimer	Mohawk River, Main Stem (1201-0093)	Fecal Coliform
Herkimer	Mohawk River, Main Stem (1201-0093)	Oils & Floating Sub.
Kings	Coney Island Creek (1701-0008) 18	Fecal Coliform
Kings	Coney Island Creek (1701-0008) 18	Garbage & Refuse
Kings	Gowanus Canal (1701 0011) 18	Garbage & Refuse
Kings	Hendrix Creek (1701-0006) 18	Fecal Coliform
Kings	Hendrix Creek (1701-0006) 18	Garbage & Refuse
Kings	Hendrix Creek (1701-0006) 18	Nitrogen
Kings	Mill Basin and tidal tribs (1701 0178) 18	Garbage & Refuse
Kings	Paerdegat Basin (1701-0363) 18	Garbage & Refuse
Kings	Prospect Park Lake (1701-0196)	Phosphorus
Monroe	Buck Pond (0301-0017)	Phosphorus
Monroe	Cranberry Pond (0301-0016)	Phosphorus

Monroe	Long Pond (0301-0015)	Phosphorus
Monroe	Minor Tribs to Irondequoit Bay (0302-0038)	Fecal Coliform
Monroe	Minor Tribs to Irondequoit Bay (0302-0038)	Phosphorus
Monroe	Rochester E–bayment - East (0302-0002)	Fecal Coliform
Monroe	Rochester E–bayment - West (0301-0068)	Fecal Coliform
Monroe	Thomas Creek/White Brook and tribs (0302-0023)	Phosphorus
Nassau	Beaver Lake (1702-0152)	Phosphorus
Nassau	Camaans Pond (1701-0052)	Phosphorus
Nassau	Cold Spring Harbor, and tidal tribs (1702-0018)	Pathogens
Nassau	Dosoris Pond (1702-0024)	Fecal Coliform
Nassau	East Bay (1701-0202)	Fecal Coliform
Nassau	East Meadow Brook, Upper, and tribs (1701-0211)	Silt/Sediment
Nassau	East Rockaway Inlet (1701-0217)	Fecal Coliform
Nassau	Glen Cove Creek, Lower, and tribs (1702-0146)	Fecal Coliform
Nassau	Glen Cove Creek, Lower, and tribs (1702-0146)	Silt/Sediment
Nassau	Grant Park Pond (1701-0054)	Phosphorus
Nassau	Hempstead Bay (1701-0032)	Fecal Coliform
Nassau	Hempstead Harbor, north, and tidal tribs (1702-0022)	Pathogens
Nassau	Hempstead Harbor, south, & tidal tribs (1702-0263)	Fecal Coliform
Nassau	Hempstead Lake (1701-0015)	Phosphorus
Nassau	Long Island Sound, Nassau County Waters (1702-0028)	Fecal Coliform
Nassau	Long Island Sound, Nassau County Waters (1702-0028)	Nitrogen
Nassau	Manhasset Bay, and tidal tribs (1702-0021)	Fecal Coliform
Nassau	Manhasset Bay, and tidal tribs (1702-0141)	Fecal Coliform
Nassau	Massapequa Creek, Upper, and tribs (1701-0174)	Fecal Coliform
Nassau	Massapequa Creek, Upper, and tribs (1701-0174)	Phosphorus
Nassau	Middle Bay (1701-0208)	Fecal Coliform
Nassau	Milburn/Parsonage Creeks, Upp, and tribs (1701-0212)	Phosphorus
Nassau	Mill Neck Creek and tidal tribs (1702-0151)	Pathogens
Nassau	Oyster Bay Harbor (1702-0016)	Pathogens
Nassau	Reynolds Channel, east (1701-0215)	Fecal Coliform

Nassau	Seafords/Seamans Creeks, Upper, and tribs (1701-0201)	Fecal Coliform
Nassau	Shell Creek and Barnums Channel (1701-0213386)	Fecal Coliform
Nassau	South Oyster Bay (1701-0041)	Fecal Coliform
Nassau	Tidal Tribs to Hempstead Bay (1701-0218)	Fecal Coliform
Nassau	Tidal Tribs to Hempstead Bay (1701-0218)	Nitrogen
Nassau	Tidal Tribs to South Oyster Bay (1701-0200)	Fecal Coliform
Nassau	Tribes (fresh) to East Bay (1701-0204)	Fecal Coliform
Nassau	Tribes (fresh) to East Bay (1701-0204)	Phosphorus
Nassau	Tribes (fresh) to East Bay (1701-0204)	Silt/Sediment
Nassau	Tribes to Smith Pond/Halls Pond (1701-0221)	Phosphorus
Nassau	Woodmere Channel (1701-0219)	Fecal Coliform
Nassau	Woodmere Channel (1701-0219)	Nitrogen
New York	East River, Lower (1702-0011) 18	Garbage & Refuse
New York	Harlem River (1702-0004) 18	Garbage & Refuse
New York	Harlem Meer (1702-0103)	Phosphorus
New York	The Lake in Central Park (1702-0105)	Phosphorus
Niagara	Bergholtz Creek and tribs (0101-0004)	Fecal Coliform
Niagara	Bergholtz Creek and tribs (0101-0004)	Phosphorus
Niagara	Hyde Park Lake (0101-0030)	Phosphorus
Oneida	Ballou, Nail Creeks (1201-0203)	Phosphorus
Oneida	Mohawk River, Main Stem (1201-0010)	Fecal Coliform
Oneida	Mohawk River, Main Stem (1201-0094)	Fecal Coliform
Oneida	Utica Harbor (1201-0228)	Fecal Coliform
Onondaga	Bloody Brook and tribs (0702 0006) 10	Fecal Coliform
Onondaga	Ley Creek and tribs (0702 0001) 10	Fecal Coliform
Onondaga	Ley Creek and tribs (0702-0001) 10	Ammonia (NH3)
Onondaga	Ley Creek and tribs (0702-0001) 10	Phosphorus
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Nitrogen (NH3, NO2)
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Phosphorus
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Fecal Coliform
Onondaga	Onondaga Creek, Lower (0702-0023) 10	Ammonia (NH3)
Onondaga	Onondaga Creek, Lower (0702-0023) 10	Fecal Coliform

Onondaga	Onondaga Creek, Lower (0702-0023) 10	Phosphorus
Onondaga	Onondaga Creek, Middle, and tribs (0702-0004) 10	Fecal Coliform
Onondaga	Onondaga Lake, Southern End (0702-0021) [10]	Fecal Coliform
Ontario	Great Brook and minor tribs (0704-0034)	Phosphorus 2
Ontario	Great Brook and minor tribs (0704-0034)	Silt/Sediment
Orange	Greenwood Lake (1501-0001)	Phosphorus
Orange	Monhagen Brook and tribs (1306-0074)	Phosphorus
Orange	Orange Lake (1301-0008) [16]	Phosphorus
Oswego	Lake Neatahwanta (0701-0018)	Phosphorus
Putnam	Bog Brook Reservoir (1302-0041)	Phosphorus
Putnam	Boyd Corners Reservoir (1302-0045)	Phosphorus
Putnam	Croton Falls Reservoir (1302-0026)	Phosphorus
Putnam	Diverting Reservoir (1302-0046)	Phosphorus
Putnam	East Branch Reservoir (1302-0040)	Phosphorus
Putnam	Middle Branch Reservoir (1302-0009)	Phosphorus
Putnam	Oscawana Lake (1301-0035)	Phosphorus
Putnam	Palmer Lake (1302-0103)	Phosphorus
Putnam	West Branch Reservoir (1302-0022)	Phosphorus
Queens	Alley Creek/Little Neck Bay Trib (1702-0009) 18	Fecal Coliform
Queens	Atlantic Ocean Coastline (1701-0014)	Fecal Coliform
Queens	Bergen Basin (1701-0009) 18	Fecal Coliform
Queens	Bergen Basin (1701-0009) 18	Garbage & Refuse
Queens	Bergen Basin (1701-0009) 18	Nitrogen
Queens	East River, Upper (1702-0010) 18	Garbage & Refuse
Queens	East River, Upper (1702-0032) 18	Garbage & Refuse
Queens	Flushing Creek/Bay (1702 0005) 18	Garbage & Refuse
Queens	Flushing Creek/Bay (1702-0005)	Nitrogen
Queens	Flushing Creek/Bay (1702-0005) 18	Fecal Coliform
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Fecal Coliform
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Garbage & Refuse
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Nitrogen

Queens	Kissena Lake (1702-0258)	Phosphorus
Queens	Little Neck Bay (1702-0029)	Fecal Coliform
Queens	Meadow Lake (1702-0030)	Phosphorus
Queens	Newtown Creek and tidal tribs (1702 0002) 18	Garbage & Refuse
Queens	Newtown Creek and tidal tribs (1702-0002) 18	Fecal Coliform
Queens	Shellbank Basin (1701-0001) 18	Nitrogen
Queens	Spring Creek and tribs (1701-0361) 18	Garbage & Refuse
Queens	Thurston Basin (1701-0152) 18	Fecal Coliform
Queens	Thurston Basin (1701-0152) 18	Garbage & Refuse
Queens	Willow Lake (1702-0031)	Phosphorus
Rensselaer	Nassau Lake (1310-0001)	Phosphorus
Richmond	Arthur Kill, Class I, and minor tribs (1701 0010) 18	Garbage & Refuse
Richmond	Arthur Kill, Class SD, and minor tribs (1701-0182) 18	Garbage & Refuse
Richmond	Grassmere Lake/Bradys Pond (1701-0357)	Phosphorus
Richmond	Kill Van Kull (1701 0184) 18	Garbage & Refuse
Richmond	Newark Bay (1701 0183) 18	Garbage & Refuse
Richmond	Raritan Bay, Class SA (1701-0002)	Fecal Coliform
Rockland	Congers Lake, Swartout Lake (1501-0019)	Phosphorus
Rockland	Rockland Lake (1501-0021)	Phosphorus
Rockland	Sparkill Creek, Lower (1301-0088)	Fecal Coliform
Saratoga	Ballston Lake (1101-0036)	Phosphorus
Saratoga	Dwaas Kill and tribs (1101-0007)	Phosphorus
Saratoga	Dwaas Kill and tribs (1101-0007)	Silt/Sediment
Saratoga	Lake Lonely (1101-0034)	Phosphorus
Saratoga	Tribs to Lake Lonely (1101-0001)	Fecal Coliform
Saratoga	Tribs to Lake Lonely (1101-0001)	Phosphorus
Schenectady	Collins Lake (1201-0077)	Phosphorus
Schenectady	Duane Lake (1311-0006)	Phosphorus
Schenectady	Mariaville Lake (1201-0113)	Phosphorus
Suffolk	Acabonack Harbor (1701-0047)	Pathogens
Suffolk	Agawam Lake (1701-0117)	Phosphorus
Suffolk	Beaverdam Creek and tribs (1701-0104)	Ammonia
Suffolk	Bellport Bay (1701-0320)	Pathogens

Suffolk	Big/Little Fresh Ponds (1701-0125)	Phosphorus
Suffolk	Canaan Lake (1701-0018)	Phosphorus
Suffolk	Canaan Lake (1701-0018)	Silt/Sediment
Suffolk	Centerport Harbor (1702-0229)	Pathogens
Suffolk	Conscience Bay and tidal tribs (1702-0091)	Pathogens
Suffolk	Flanders Bay, East/Center, and tribs (1701-0030)	Pathogens
Suffolk	Flanders Bay, West/Lower Sawmill Creek (1701-0254)	Nitrogen
Suffolk	Flanders Bay, West/Lower Sawmill Creek (1701-0254)	Pathogens
Suffolk	Flax Pond (1702-0240)	Fecal Coliform
Suffolk	Forge River, Lower and Cove (1701-0316)	Fecal Coliform
Suffolk	Fresh Pond (1701-0241)	Phosphorus
Suffolk	Goldsmith Inlet (1702-0026)	Pathogens
Suffolk	Goose Creek (1701-0236)	Pathogens
Suffolk	Great Cove (1701-0376)	Fecal Coliform
Suffolk	Great South Bay, East (1701-0039)	Nitrogen
Suffolk	Great South Bay, Middle (1701-0040)	Nitrogen
Suffolk	Great South Bay, West (1701-0173)	Nitrogen
Suffolk	Hashamomuck Pond (1701-0162)	Pathogens
Suffolk	Heady and Taylor Creeks and tribs (1701-0294)	Pathogens
Suffolk	Huntington Harbor (1702-0228)	Pathogens
Suffolk	Lake Montauk (1701-0031)	Pathogens
Suffolk	Lake Ronkonkoma (1701-0020)	Fecal Coliform
Suffolk	Lake Ronkonkoma (1701-0020)	Phosphorus
Suffolk	Little Sebonac Creek (1701-0253)	Pathogens
Suffolk	Long Island Sound, Suffolk Co, Central (1702-0265)	Fecal Coliform
Suffolk	Mattituck Inlet/Cr, Low, and tidal tribs (1702-0020)	Pathogens
Suffolk	Meetinghouse/Terrys Creeks and tribs (1701-0256)	Pathogens
Suffolk	Mill and Seven Ponds (1701-0113)	Phosphorus
Suffolk	Millers Pond (1702-0013)	Phosphorus
Suffolk	Moriches Bay, East (1701-0305)	Nitrogen
Suffolk	Moriches Bay, West (1701-0038)	Nitrogen
Suffolk	Mt Sinai Harbor and tidal tribs (1702-0019)	Pathogens

Suffolk	Mud Creek, Upper, and tribs (1701-0101)	Fecal Coliform
Suffolk	Narrow Bay (1701-0318)	Pathogens
Suffolk	Nicoll Bay (1701-0375)	Fecal Coliform
Suffolk	North Sea Harbor and tribs (1701-0037)	Pathogens
Suffolk	Northport Harbor (1702-0230)	Pathogens
Suffolk	Northwest Creek and tidal tribs (1701-0046)	Pathogens
Suffolk	Noyack Creek and tidal tribs (1701-0237)	Pathogens
Suffolk	Ogden Pond (1701-0302)	Pathogens
Suffolk	Patchogue Bay (1701-0326)	Pathogens
Suffolk	Peconic River, Lower, and tidal tribs (1701-0259)	Nitrogen
Suffolk	Peconic River, Lower, and tidal tribs (1701-0259)	Pathogens
Suffolk	Penniman Creek and tidal tribs (1701-0300)	Pathogens
Suffolk	Penny Pond, Wells and Smith Creeks (1701-0298)	Pathogens
Suffolk	Phillips Creek, Lower, and tidal tribs (1701-0299)	Fecal Coliform
Suffolk	Port Jefferson Harbor, North, and tribs (1702-0015)	Pathogens
Suffolk	Quantuck Bay (1701-0042)	Pathogens
Suffolk	Quantuck Bay (1701-0042)	Nitrogen
Suffolk	Quantuck Canal/Moneybogue Bay (1701-0371)	Pathogens
Suffolk	Quogue Canal (1701-0301)	Fecal Coliform
Suffolk	Reeves Bay and tidal tribs (1701-0272)	Pathogens
Suffolk	Richmond Creek and tidal tribs (1701-0245)	Pathogens
Suffolk	Sag Harbor and Sag Harbor Cove (1701-0035)	Pathogens
Suffolk	Sebonac Cr/Bullhead Bay and tidal tribs (1701-0051)	Pathogens
Suffolk	Setauket Harbor (1702-0242)	Pathogens
Suffolk	Shinnecock Bay and Inlet (1701 0033)	Nitrogen
Suffolk	Stirling Creek and Basin (1701-0049)	Pathogens
Suffolk	Stony Brook Harbor and West Meadow Creek (1702-0047)	Pathogens
Suffolk	Tidal Tribs to Gr Peconic Bay, Northshr (1701-0247)	Pathogens
Suffolk	Tidal Tribs to West Moriches Bay (1701-0312)	Fecal Coliform
Suffolk	Tidal Tribs to West Moriches Bay (1701-0312)	Nitrogen
Suffolk	Town/Jockey Creeks and tidal tribs (1701-0235)	Pathogens
Suffolk	Tuthill, Harts, Seatuck Coves (1701-0309)	Pathogens
Suffolk	Weesuck Creek and tidal tribs (1701-0111)	Pathogens

Suffolk	West Creek and tidal tribs (1701-0246)	Fecal Coliform
Suffolk	Wooley Pond (1701-0048)	Pathogens
Tompkins	Cayuga Lake, Southern End (0705-0040)	Phosphorus
Tompkins	Cayuga Lake, Southern End (0705-0040)	Silt/Sediment
Warren	Hague Brook and tribs (1006-0006)	Silt/Sediment
Warren	Huddle/Finkle Brooks and tribs (1006-0003)	Silt/Sediment
Warren	Indian Brook and tribs (1006-0002)	Silt/Sediment
Warren	Lake George (1006-0016) and tribs	Silt/Sediment
Warren	Tribs to Lake George, East Shore (1006-0020)	Silt/Sediment
Warren	Tribs to Lake George, Lk. George Village (1006-0008)	Silt/Sediment
Wayne	Lake Ontario Shoreline, Central (0302-0044)	Fecal Coliform
Westchester	Amawalk Reservoir (1302-0044)	Phosphorus
Westchester	Bronx River, Upper, and tribs (1702-0107)	Fecal Coliform
Westchester	Cross River Reservoir (1302-0005)	Phosphorus
Westchester	Hutchinson River, Middle, and tribs (1702-0074)	Fecal Coliform
Westchester	Hutchinson River, Middle, and tribs (1702-0074)	Oil/Grease
Westchester	Lake Katonah (1302-0136)	Phosphorus
Westchester	Lake Lincolndale (1302-0089)	Phosphorus
Westchester	Lake Meahagh (1301-0053)	Phosphorus
Westchester	Lake Mohegan (1301-0149)	Phosphorus
Westchester	Lake Shenorock (1302-0083)	Phosphorus
Westchester	Larchmont Harbor (1702-0116)	Fecal Coliform
Westchester	Long Island Sound, Westchester Co Waters (1702-0001)	Fecal Coliform
Westchester	Long Island Sound, Westchester Co Waters (1702-0001)	Nitrogen
Westchester	Mamaroneck Harbor (1702-0125)	Fecal Coliform
Westchester	Mamaroneck River, Lower (1702-0071)	Silt/Sediment
Westchester	Mamaroneck River, Upp, & minor tribs (1702-0123)	Silt/Sediment
Westchester	Milton Harbor/Lower Blind Brook (1702-0063)	Fecal Coliform
Westchester	Muscoot/Upper New Croton Reservoir (1302-0042)	Phosphorus
Westchester	New Croton Reservoir (1302-0010)	Phosphorus
Westchester	New Rochelle Harbor (1702-0259)	Fecal Coliform
Westchester	Port Chester Harbor/Lower Byram River (1702-0260)	Fecal Coliform

Westchester	Reservoir No.1/Lake Isle (1702-0075)	Phosphorus
Westchester	Saw Mill River (1301-0007)	Fecal Coliform
Westchester	Saw Mill River (1301-0007)	Phosphorus
Westchester	Saw Mill River, Middle, and tribs (1301-0100)	Fecal Coliform
Westchester	Saw Mill River, Middle, and tribs (1301-0100)	Phosphorus
Westchester	Sheldrake River (1702-0069)	Phosphorus
Westchester	Sheldrake River (1702-0069)	Silt/Sediment
Westchester	Silver Lake (1702-0040)	Phosphorus
Westchester	Teatown Lake (1302-0150)	Phosphorus
Westchester	Titicus Reservoir (1302-0035)	Phosphorus
Westchester	Truesdale Lake (1302-0054)	Phosphorus
Westchester	Wallace Pond (1301-0140)	Phosphorus

Appendix D. Forms

Included in this section are the following documents, in order:

- Monitoring Locations Inspection and Sampling Field Sheet
- Construction Site Inspection Report Form
- No Exposure Certification
- Municipal Facility Assessment Form
- Storm Event Data Form
- Visual Monitoring Form

Monitoring Locations Inspection and Sampling Field Sheet

Section 1: Background Data

Subwatershed:		Monitoring Location ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours: Last 48 hours:		
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial <input type="checkbox"/> Ultra-Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial		<input type="checkbox"/> Open Space <input type="checkbox"/> Institutional Other: _____ Known Industries: _____	
Notes (e.g., origin, if known):			

Section 2: Monitoring Location Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP	<input type="checkbox"/> Circular <input type="checkbox"/> Single	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	<input type="checkbox"/> PVC <input type="checkbox"/> HDPE	<input type="checkbox"/> Elliptical <input type="checkbox"/> Double		
	<input type="checkbox"/> Steel	<input type="checkbox"/> Box <input type="checkbox"/> Triple		
	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____		
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete	<input type="checkbox"/> Trapezoid	Depth: _____ Top Width: _____ Bottom Width: _____	
	<input type="checkbox"/> Earthen	<input type="checkbox"/> Parabolic		
	<input type="checkbox"/> Rip-Rap	<input type="checkbox"/> Other: _____		
	<input type="checkbox"/> Other: _____			
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING MONITORING LOCATIONS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____' ____"	Tape measure	
	Measured length	____' ____"	Tape measure	
	Time of travel	S	Stopwatch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Monitoring Locations Inspection and Sampling Field Sheet

Section 4: Physical Indicators for Flowing Monitoring Locations Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/slight; origin not obvious	<input type="checkbox"/> 2 - Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Monitoring Locations

Are physical indicators that are not related to flow present? ☐ Yes ☐ No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Monitoring Location Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Monitoring Location Characterization

<input type="checkbox"/> Unlikely <input type="checkbox"/> Potential (presence of two or more indicators) <input type="checkbox"/> Suspect (one or more indicators with a severity of 3) <input type="checkbox"/> Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?



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DIVISION OF WATER**



New York State Department of Environmental Conservation Construction Site Inspection Report for SPDES MS4 General Permit GP-0-24-001			
Project Name:		Date:	
Project Location:		Weather:	
Permit # (if any): NYR	Contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No	Entry Time:	Exit Time:
Name of SPDES Permittee:		Inspection Type:	<input type="checkbox"/> NOT <input type="checkbox"/> Complaint
Phone Number(s):			<input type="checkbox"/> Compliance <input type="checkbox"/> Referral
On-site Representative(s) and Company(s):		MS4 Operator Name:	
		MS4 Permit ID: NYR20A	

SPDES Authority

Yes No N/A

1. ☐ ☐ ☐ Does the project have permit coverage?
2. ☐ ☐ ☐ Is a copy of the NOI and Acknowledgment Letter available on site and accessible for viewing?
3. ☐ ☐ ☐ Is a copy of the MS4 SWPPP Acceptance Form available on site and accessible for viewing?
4. ☐ ☐ ☐ Is an up-to-date copy of the signed SWPPP retained at the construction site?
5. ☐ ☐ ☐ Is a copy of the SPDES General Permit retained at the construction site?
6. ☐ ☐ ☐ Does the NOI accurately report the number of acres to be disturbed?

Citation

GP-0-20-001: I.A & II. B
 GP-0-20-001: II.D.2
 GP-0-20-001: II.D.2
 GP-0-20-001: II.D.2. & III.A.4
 GP-0-20-001: II.D.2
 GP-0-20-001: II.B.4

SWPPP Content

Yes No N/A

7. ☐ ☐ ☐ Does the SWPPP describe and identify the erosion and sediment control measures to be employed?
8. ☐ ☐ ☐ Does the SWPPP provide an inspection schedule and maintenance requirements for the E&SC measures?
9. ☐ ☐ ☐ Does the SWPPP describe and identify the stormwater management practices to be employed?
10. ☐ ☐ ☐ Does the SWPPP identify the contractor(s) and subcontractor(s) responsible for each measure?
11. ☐ ☐ ☐ Does the SWPPP identify at least one trained individual from each contractor(s) and subcontractor(s) companies?
12. ☐ ☐ ☐ Does the SWPPP include all the necessary Contractor Certification Statements and signatures?
13. ☐ ☐ ☐ Is the SWPPP signed by the permittee?
14. ☐ ☐ ☐ Is the SWPPP prepared by a qualified professional (if post-construction stormwater management required)?
15. ☐ ☐ ☐ Do the SMPs conform to the Enhanced Phosphorus Removal Standards (projects in TMDL watersheds)?

Citation

GP-0-20-001: III.B.1.e
 GP-0-20-001: III.B.1.i
 GP-0-20-001: III.B.2
 GP-0-20-001: III.A.6
 GP-0-20-001: III.A.6
 GP-0-20-001: VII.H.2
 GP-0-20-001: III.A.3
 GP-0-20-001: III.B.3

Recordkeeping

Yes No N/A

16. ☐ ☐ ☐ Are self-inspections performed as required by the permit (weekly, or twice weekly for >5 acres disturbed)?
17. ☐ ☐ ☐ Are the self-inspections performed and signed by a qualified inspector and retained on site?
18. ☐ ☐ ☐ Do the qualified inspector's reports include the minimum reporting requirements?
19. ☐ ☐ ☐ Do inspection reports identify corrective measures that have not been implemented or are recurring?

Citation

GP-0-20-001: IV.C.2.a. & b
 GP-0-20-001: II.C.2., IV.C.6 & VII.H.3
 GP-0-20-001: IV.C.4
 GP-0-20-001: IV.C.5



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Visual Observations

Yes No N/A				Citation	
20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all erosion and sediment control measures installed properly?	GP-0-20-001: VII.L
21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all erosion and sediment control measures being maintained properly?	GP-0-20-001: IV.A.1
22.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was written authorization issued for any disturbance greater than 5 acres?	GP-0-20-001: II.D.3
23.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have stabilization measures been implemented in inactive areas per Permit (>5acres) or ESC Standard?	GP-0-20-001: II.D.3.b & III.B.1.f
24.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are post-construction stormwater management practices constructed/installed correctly?	GP-0-20-001: III.B.2
25.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has final site stabilization been achieved and temporary E&SC measures removed prior to NOT submittal?	GP-0-20-001: V.A.2
26.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was there a discharge from the site on the day of inspection?	
27.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is there evidence that a discharge caused or contributed to a violation of water quality standards?	ECL 17-0501, 6 NYCRR 703.2 & GP-0-20-001: I.D

Water Quality Observations

Describe the discharge(s): location, source(s), impact on receiving water(s), etc.

Describe the quality of the receiving water(s) both upstream and downstream of the discharge:

Describe any other water quality standards or permit violations:



NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER



Additional Comments:

☐ Photographs attached

Overall Inspection Rating: <input type="checkbox"/> Satisfactory <input type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory	
Name/Agency of Lead Inspector:	Signature of Lead Inspector:
Names/Agencies of Other Inspectors:	



**Department of
Environmental
Conservation**

NO EXPOSURE CERTIFICATION

**For High Priority Municipal Facilities
in SPDES MS4 General Permit, GP-0-24-001**

The completed No Exposure Certification must be documented in the SWMP Plan.
Please do not submit this form to the Department unless requested.

I. Owner/Facility Information

Owner/Operator Name:

Mailing Address:

City/State/Zip:

Contact Name:

Phone No.:

Facility Name:

Street Address:

City/State/Zip:

County:

Latitude:

Longitude:

II. Exposure Checklist

Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questions (1) through (11), you are not eligible for no exposure.

YES

NO

1 Using, storing or cleaning machinery or equipment, and areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater

2 Materials or residuals on the ground or in stormwater inlets from spills/leaks

4 Material handling equipment (except adequately maintained vehicles)

5 Materials or products during loading/unloading or transporting activities

6 Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to stormwater does not result in the discharge of pollutants)

7 Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers

8 Materials or products handled/stored on roads or railways owned or maintained by the discharger

9 Waste material (except waste in covered, non-leaking containers [e.g., dumpster])

III. Certification

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from SPDES stormwater permitting. I certify under penalty of law that there are no discharges of storm water contaminated by exposure to industrial activities or materials from the industrial facility or site identified in this document (except as allowed under 40 CFR 122.26(g)(2)). I understand that I am obligated to submit a no exposure certification form upon request to the NPDES permitting authority or to the operator of the local municipal separate storm sewer system (MS4) into which the facility discharges (where applicable). I understand that I must allow the SPDES permitting authority, or MS4 Operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request.

Printed Name:

Title/Position:

Signature:

Date:



**Department of
Environmental
Conservation**

**Municipal Facility Assessment Form
For SPDES MS4 General Permit,
GP-0-24-001**

Assessments must be conducted by a person with the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility and evaluate the effectiveness of best management practices required by the SPDES MS4 General Permit (GP-0-24-001).

MS4 Permit ID:

MS4 Operator Name:

Facility Name:

Facility Type:

Date:

Weather Conditions:

Is stormwater runoff present during this assessment? ☐ Yes ☐ No

Comments:

General

Yes

No

1 Is this a high priority municipal facility?

☐

☐

2 If this is a high priority municipal facility, does the facility qualify for a No Exposure Certification?

☐

☐

3 If this is a high priority municipal facility, is there a completed SWPPP available?

☐

☐

4 Does the facility have any MS4 outfalls?

☐

☐

5 Does the facility have any interconnections?

☐

☐

6 Does the facility have any municipal facility intraconnections?

☐

☐

Comments:

Good Housekeeping

Yes

No

7 Are paved surfaces free of trash, sediment, and/or debris?

☐

☐

8 Date the paved area was last swept or vacuumed.

☐

☐

9 Do outdoor waste receptacles have covers?

☐

☐

10 Are the waste receptacles emptied on a regular basis?

☐

☐

11 Are there signs of leaks, contaminants or overfilling at the waste receptacle area?

☐

☐

12 Are the following facility areas free of accumulated trash, sediment, debris, contaminants, and spills:

☐

☐

- Salt storage areas

☐

☐

- Container storage areas

☐

☐

- Maintenance areas

☐

☐

	- Staging areas	<input type="checkbox"/>	<input type="checkbox"/>		
	- Material stockpile areas	<input type="checkbox"/>	<input type="checkbox"/>		
Comments:					
<u>Vehicle and Equipment Areas</u>		<input type="checkbox"/> <u>N/A</u>	<table border="1"> <tr> <th>Yes</th> <th>No</th> </tr> </table>	Yes	No
Yes	No				
13	Are vehicle/equipment parked indoors or under a roof?	<input type="checkbox"/>	<input type="checkbox"/>		
14	Are vehicles/equipment washed in only designated areas?	<input type="checkbox"/>	<input type="checkbox"/>		
15	Are vehicles washed regularly to remove contamination and prevent them from polluting stormwater?	<input type="checkbox"/>	<input type="checkbox"/>		
16	Is all wash water treated in an oil water separator prior to discharge?	<input type="checkbox"/>	<input type="checkbox"/>		
17	Is all wash water managed so it does not enter the MS4?	<input type="checkbox"/>	<input type="checkbox"/>		
Comments					
<u>Vehicle/Equipment Maintenance</u>		<input type="checkbox"/> <u>N/A</u>	<table border="1"> <tr> <th>Yes</th> <th>No</th> </tr> </table>	Yes	No
Yes	No				
18	Is equipment stored under shelter or elevated and covered?	<input type="checkbox"/>	<input type="checkbox"/>		
19	Are fluids drained over a drip pan or pad?	<input type="checkbox"/>	<input type="checkbox"/>		
20	Are funnels or pumps used when transferring fluids?	<input type="checkbox"/>	<input type="checkbox"/>		
21	Are waste rags and used absorbent pads disposed of properly?	<input type="checkbox"/>	<input type="checkbox"/>		
22	Are any vehicles and/or equipment leaking fluids?	<input type="checkbox"/>	<input type="checkbox"/>		
23	Are drip pans immediately placed under leaks?	<input type="checkbox"/>	<input type="checkbox"/>		
24	Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	<input type="checkbox"/>	<input type="checkbox"/>		
25	Are vehicles inspected daily for leaks?				
Comments:					
<u>Fueling areas</u>		<input type="checkbox"/> <u>N/A</u>	<table border="1"> <tr> <th>Yes</th> <th>No</th> </tr> </table>	Yes	No
Yes	No				
26	Is fueling performed under a canopy or roof?	<input type="checkbox"/>	<input type="checkbox"/>		
27	Are spill cleanup materials available at the fueling area?	<input type="checkbox"/>	<input type="checkbox"/>		
28	Are breakaway valves used on fueling hoses?	<input type="checkbox"/>	<input type="checkbox"/>		
29	Is the fueling handle lock disconnected so the operator must attend the fueling?	<input type="checkbox"/>	<input type="checkbox"/>		
30	Is stormwater runoff from fueling area treated in an oil/water separator?	<input type="checkbox"/>	<input type="checkbox"/>		
31	Is the fueling automatic stop inspected regularly to ensure it is working properly?	<input type="checkbox"/>	<input type="checkbox"/>		
32	Are all fuel deliveries monitored?	<input type="checkbox"/>	<input type="checkbox"/>		
Comments:					

<u>Salt Storage Piles or Pile Containing Salt</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
33	Is salt stored in a salt storage building or under a roof?				<input type="checkbox"/>	<input type="checkbox"/>
34	Are controls in place to minimize spills while adding or removing material from the pile?				<input type="checkbox"/>	<input type="checkbox"/>
35	Are salt spills cleaned up promptly?				<input type="checkbox"/>	<input type="checkbox"/>
36	Is overflow and tracked salt removed promptly from loading areas?				<input type="checkbox"/>	<input type="checkbox"/>
37	Is stormwater draining away from the salt pile directed to a vegetated filter area				<input type="checkbox"/>	<input type="checkbox"/>
Comments:						
<u>Fluids Management</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
38	Are all drums and containers of fluids stored with proper cover and containment?				<input type="checkbox"/>	<input type="checkbox"/>
39	Are fluids stored in appropriate containers and/or storage cabinets?				<input type="checkbox"/>	<input type="checkbox"/>
40	Are all fluids kept in original containers or labeled in a manner that describes the contents adequately?				<input type="checkbox"/>	<input type="checkbox"/>
41	Are Material Safety Data Sheets (MSDS/SDS) readily available?				<input type="checkbox"/>	<input type="checkbox"/>
42	Are all containers that are stored free of leaks or deposits?				<input type="checkbox"/>	<input type="checkbox"/>
43	Are containers of product inspected regularly?				<input type="checkbox"/>	<input type="checkbox"/>
44	Is used oil and antifreeze stored indoors and/or on spill containment pallets?				<input type="checkbox"/>	<input type="checkbox"/>
45	Is used oil and antifreeze properly disposed of or recycled?				<input type="checkbox"/>	<input type="checkbox"/>
Comments:						
<u>Lead Acid Batteries</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
46	Are lead-acid batteries stored indoors on spill containment pallets or in bins?				<input type="checkbox"/>	<input type="checkbox"/>
47	Are intact batteries stored on an acid-resistant rack or tub?				<input type="checkbox"/>	<input type="checkbox"/>
48	Are cracked or leaking batteries stored in labeled, closed, leak-proof containers?				<input type="checkbox"/>	<input type="checkbox"/>
49	Is the date each battery was placed in storage recorded?				<input type="checkbox"/>	<input type="checkbox"/>
50	Are batteries stacked more than 5 high?				<input type="checkbox"/>	<input type="checkbox"/>
51	Are batteries inspected regularly for leaks?				<input type="checkbox"/>	<input type="checkbox"/>
Comments:						
<u>Spill Prevention and Response Procedures</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
52	Are vehicles inspected daily for leaks?				<input type="checkbox"/>	<input type="checkbox"/>

53	Is spill control equipment and absorbents readily available?	<input type="checkbox"/>	<input type="checkbox"/>
54	Are emergency phone numbers posted in conspicuous areas?	<input type="checkbox"/>	<input type="checkbox"/>
55	Are spills contained and cleaned up immediately?	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
<u>General Material Storage Areas</u>		<input type="checkbox"/> <u>N/A</u>	
56	Are leaking or damaged materials stored inside a building or another type of storm resistance shelter?	<input type="checkbox"/>	<input type="checkbox"/>
57	Are all material stockpiles within containment structures (e.g., concrete barriers, earthen berms) or stored in a manner that does not allow discharge of impacted stormwater?	<input type="checkbox"/>	<input type="checkbox"/>
58	Are used fuel tanks and other scrap metal and parts drained of fluids and stored under cover?	<input type="checkbox"/>	<input type="checkbox"/>
59	Are outdoor containers covered?	<input type="checkbox"/>	<input type="checkbox"/>
60	Are piles of spoils, asphalt, debris, etc. stored under a roof or cover?	<input type="checkbox"/>	<input type="checkbox"/>
61	Are spills of material or debris cleaned up promptly?	<input type="checkbox"/>	<input type="checkbox"/>
62	Are used tire storage piles placed away from storm drains or conveyances?	<input type="checkbox"/>	<input type="checkbox"/>
63	Are tires recycled frequently to keep the number of stored tires manageable?	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
<u>Stormwater Management</u>		Yes	No
64	Are employees trained on the municipal facility procedures?	<input type="checkbox"/>	<input type="checkbox"/>
66	Are BMPs and treatment structures working as designed?	<input type="checkbox"/>	<input type="checkbox"/>
67	Are BMPs and treatment structures free from debris buildup or overgrown vegetation that may impair function?	<input type="checkbox"/>	<input type="checkbox"/>
68	Catch basins should be cleaned in accordance with the timeframes listed in Part VI.F.3.c.iii. / Part VII.F.3.c.iii, depending on the MS4 Operator type. Based on this, do any catch basins need to be cleaned?	<input type="checkbox"/>	<input type="checkbox"/>
69	Are berms, curbing or other methods used to divert and direct discharges adequate and in good condition?	<input type="checkbox"/>	<input type="checkbox"/>
70	Are rooftop drains directed to areas away from pavement?	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
<u>Erosion and Sediment Controls</u>		Yes	No
71	Are soil stabilization measures (e.g., seed and mulch, rolled erosion control products) considered in areas that have the potential for significant soil erosion?	<input type="checkbox"/>	<input type="checkbox"/>
72	Are natural buffers maintained around surface waters?	<input type="checkbox"/>	<input type="checkbox"/>
73	Are flow velocity dissipation devices in place at monitoring locations and channel outlets (rock riprap, stone check dams, concrete baffles)?	<input type="checkbox"/>	<input type="checkbox"/>
74	Do controls conform to the NYS Standards and Specifications for Erosion and Sediment Control (2016), or equivalent?	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Corrective Actions and Comment

Describe Inspection findings and if necessary, the corrective actions taken

Inspector Signature

Date:



Department of
Environmental
Conservation

Storm Event Data Form
for SPDES MS4 General Permit,
GP-0-24-001

Do not submit this form to the Department; keep this form with the municipal facility's SWPPP and in the MS4 Operator's SWMP Plan.

Permit Number:

N Y R 2 0 A

Facility Name:

Contact First Name:

Contact Last Name:

Contact Phone:

Contact Email:

Storm Event Date:

Storm Duration (in hours):

Rainfall Measurement from Storm Event (in inches):

Date of Last Measurable Storm Event:

Duration Between Storm Event Sampled and End of Previous Measurable Storm (in hours):

Certification

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.

Facility Operator First Name (please print or type)

/ /

Date

Facility Operator Last Name (please print or type)

Signature



If yes, describe

5. Is there something floating on the surface of the sample? ☐ Yes ☐ No

If yes, describe

6. Is there something suspended in the water column of the sample? ☐ Yes ☐ No

If yes, describe

7. Is there something settled on the bottom of the sample?..... ☐ Yes ☐ No

If yes, describe

8. Is there foam or material forming on the top of the sample surface?..... ☐ Yes ☐ No

If yes, describe

Detail any concerns, corrective actions taken and any other indicators of pollution present in the sample:

Works Cited

Center for Watershed Protection, Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assistance, October 2004 (CWP 2004)

New York State Department of Environmental Conservation, Maintenance Guidance: Stormwater Management Practices, March 31, 2017 (NYS DEC Maintenance Guidance 2017)

New York State Department of Environmental Conservation, Model Local Law to Prohibit Illicit Discharges, Activities and Connections to Separate Storm Sewer Systems, April 2006 (NYS DEC Model IDDE Local Law 2006)

New York State Department of Environmental Conservation, Sample Local Law for Stormwater Management and Erosion & Sediment Control, March 2006 (NYS DEC Sample SM and E&SC Local Law 2006)

New York State, Standards and Specifications for Erosion & Sediment Control, November 2016 (NYS E&SC 2016)

New York State, Stormwater Management Design Manual, January 2015 (NYS SWMDM 2015)

SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, GP-0-23-001 (MSGP)

SPDES General Permit for Stormwater from Construction Activities, GP-0-20-001 (CGP)

SPDES General Permit for Stormwater Discharges from the Municipal Separate Storm Sewer Systems, GP-0-24-001 (MS4 GP)

United States Department of Transportation Federal Highway Administration, Highway Functional Classification Concepts, Criteria and Procedures, 2013 (USDOT 2013)

APPENDIX B
MS4 SWMP Effectiveness Evaluation and MS4 Self-Assessment

ANNUAL MS4 PROGRAM EFFECTIVENESS EVALUATION

For Phase II SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s)

Adapted by Central New York Regional Planning and Development Board from the “MS4 Annual Self Assessment” form developed by Herkimer-Oneida Counties Comprehensive Planning Program and the Herkimer-Oneida Counties Intermunicipal Stormwater Working Group.

The SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s) requires permittees to conduct an annual evaluation of its Stormwater Management Program (SWMP), its program compliance, the appropriateness of its identified BMPs, and its progress toward achieving its identified measurable goals. The permit requires the collection and reporting of certain information about the development and implementation of the SWMP. This document is designed and intended to assist MS4s in the evaluation of such information and to facilitate the evaluation of your SWMP by allowing the examination of trends over time. This document is not intended to replicate other documents such as the Annual Report and Notice of Intent but should, instead, be used in combination with these other documents.

This document provides a foundation for the assessment of four (4) levels of program effectiveness as applied to each Minimum Control Measure (MCM). **Level 1** involves an assessment of compliance with basic permit requirements. **Level 2** includes an assessment of the effectiveness of specific, activity-based efforts in achieving measurable goals. **Level 3** involves an assessment of behavioral changes including changes in attitudes, knowledge, awareness and individual conduct. **Level 4** includes an assessment of changes to stormwater quality and quantity including load reductions, discharge quality and/or improvements to receiving waterbodies.

MS4 IDENTIFICATION

1. Regulated MS4 Name: _____
2. SPDES Permit Number: **NYR20A** _____
3. County: _____
4. For Reporting Year ending March 9, _____
5. Person(s) Responsible for Completing the Assessment: _____
6. Date of Self-Assessment: _____

MINIMUM MEASURE 1: PUBLIC EDUCATION AND OUTREACH

► **LEVEL 1 - Basic Permit Requirements**

1. On the table below, indicate whether your MS4 has:

	Yes	No
▪ Developed a Public Education and Outreach Program.		
▪ Identified Pollutants of Concern (POCs).		
▪ Identified Waterbodies of Concern.		
▪ Identified geographic areas of concern.		
▪ Identified specific target audiences.		
▪ Described to the general public and target audiences, the impacts of stormwater discharges on waterbodies.		
▪ Described to the general public and target audiences, the POCs and their sources.		
▪ Described to the general public and target audiences, steps contributors of POCs can take to reduce pollutants.		
▪ Described to the general public and target audiences, steps contributors of non-stormwater discharges can take to reduce pollutants.		
▪ Developed, recorded and/or modified measurable goals associated with this Minimum Control Measure (MCM).		
▪ Selected public education and outreach activities to ensure the reduction of POCs in stormwater discharges.		

► **LEVEL 2 - Specific Activities and Techniques**

1. Indicate which of the following techniques and activities were utilized in your Public Education and Outreach program during this reporting year and provide your estimated ranking of the overall effectiveness of the techniques used. In your assessment, consider the length of time for which the activity has been in effect in deciding whether there has been sufficient opportunity to determine its effectiveness. If the activity was implemented for the first time late in the current reporting year, you may choose to delay assessment of the activity until next year and indicate “n/a” in the right hand column. Use the information and quantifiable data contained in your Annual Report to help determine the effectiveness of each activity. You may wish to evaluate the numeric ranking in the last column after completing levels 3 and 4.

Education and Outreach Techniques	Was this Technique Utilized this Reporting Year?		<u>QUANTIFIABLE DATA</u> Insert relevant data from Annual Reporting Requirements or other data that quantifies trends or demonstrates progress toward measurable goals.		<u>WEAKNESSES</u> Identify any weaknesses relating to this activity that require improvement.	Indicate the observed effectiveness of this technique based on quantifiable data and weaknesses. Poor > > > > Excellent					
	Yes	No	Last Year	This Year		n/a	1	2	3	4	5
Stormwater Webpage					1.						
					2.						
					3.						
Printed Material					1.						
					2.						
					3.						
Direct Mailings					1.						
					2.						
					3.						
List Serve Distribution					1.						
					2.						
					3.						
Newspaper Ads or Articles					1.						
					2.						
					3.						
Document Library/Kiosks					1.						
					2.						
					3.						
Special Events					1.						
					2.						
					3.						
Public Presentations					1.						
					2.						
					3.						
Training					1.						
					2.						
					3.						
Classroom Education					1.						
					2.						
					3.						
Other (Specify):					1.						
					2.						
					3.						

► **LEVEL 3 - Behavioral Changes**

1. Compared to previous years, has there been an increase in the number of requests for stormwater information? Yes ☐ No ☐
2. Are you receiving more general inquiries and/or complaints related to stormwater? Yes ☐ No ☐
3. Have you received inquiries in response to specific, targeted education activities promoted by the municipality as key components of its stormwater program? Yes ☐ No ☐
4. Has there been any noticeable improvement in the behavior of residents (e.g. applying less fertilizer, picking up pet waste, etc) or have surveys of residents indicated a greater awareness of stormwater issues? Yes ☐ No ☐
5. Has there been any noticeable improvement in the behavior of business owners (e.g. clean-up around dumpsters, reduction of stormwater discharges, anti-littering programs, etc.) or have surveys of businesses indicated a greater awareness of stormwater issues? Yes ☐ No ☐
6. Provide any other information that may indicate a positive change in behavior, attitude, knowledge and/or awareness of the stormwater program as a result of your Public Education and Outreach efforts:

(Other) : _____

► **LEVEL 4 - Water Quality and Quantity Changes**

1. Have there been any documented reductions in the quality and/or amount of stormwater discharged as a direct result of Public Education efforts concerning specific practices? Yes ☐ No ☐
2. Have there been any documented improvements in the quality of receiving waterbodies as a direct result of Public Education activities concerning pollutant reduction practices? Yes ☐ No ☐
3. If monitoring or sampling has been done, has there been any documented improvement to water quality that might be attributable to your education efforts? Yes ☐ No ☐ Not Applicable ☐

► **SUMMARY:**

1. How many “No” responses are included in your **Level 1** assessment of this MCM?

Any “No” responses indicate that you may not be adequately meeting the basic permit requirements. Every effort should be made to meet these requirements by the next annual assessment or by any deadline as may be indicated in the permit.

2. How many of the MCM activities and/or techniques have received a ranking of “1” or “2” in your **Level 2** assessment?

In those cases where an activity is ranked as “1” or “2”, the items identified as “Weaknesses” should be considered a priority and should be implemented to improve the overall effectiveness of the activity by the next annual assessment.

3. How many “No” responses are included in your **Level 3** assessment of this MCM?

Multiple “No” responses may indicate that your efforts are not resulting in observable behavioral changes in your audiences. Re-evaluation of existing policies and procedures and identification of new and/or modified practices and techniques may provide more direct, observable links between the actions of the public and specific education initiatives you promote.

4. How many “No” responses are included in your **Level 4** assessment of this MCM?

Any “No” responses may indicate that your efforts have not yet resulted in observable water quality or quantity changes that can be specifically attributed to the public’s response to education efforts. It should be recognized however, that the cumulative effects of your stormwater program may not be easily identifiable within a short period of time. Periodic observation or monitoring of specific problem sites may help to develop a baseline of conditions so that improvements can be detected.

5. Overall, based on the above responses, how effective do you think your Public Outreach and Education Program is in helping you to achieve your Stormwater Management Program goals?

Poor	>	>	>	>	>	>	>	>	>	Excellent
1	2	3	4	5						

6. If you scored your program as a 1, 2, or 3 above, note the changes you plan to make to this MCM to improve its effectiveness. Also, if specific activities in Level 2 ranked low in terms of effectiveness, indicate how they will be improved or whether focus of the program will shift to a different strategy.

MINIMUM MEASURE 2: PUBLIC INVOLVEMENT AND PARTICIPATION
--

► **LEVEL 1 - Basic Permit Requirements**

1. On the table below, indicate whether your MS4 has:

	Yes	No
▪ Identified key individuals and groups who are interested or affected by the Stormwater Management Program (SWMP).		
▪ Identified types of input you will seek from key individuals and groups.		
▪ Determined how such input will be used.		
▪ Identified public involvement and participation activities you will undertake to provide program access to those who want it.		
▪ Complied with Open Meetings Law and public notice requirements when implementing your SWMP.		
▪ Identified your local stormwater public contact.		
▪ Published the stormwater contact's name and telephone number on the municipal website and in outreach material.		
▪ Presented the Annual Report to the public.		
▪ Provided the public with the opportunity to ask questions about or comment on the Annual Report.		
▪ Developed, recorded and/or modified measurable goals associated with this Minimum Control Measure (MCM).		
▪ Selected public involvement and participation activities to ensure the reduction of Pollutants of Concern in stormwater discharges.		

► **LEVEL 2 - Specific Activities and Techniques**

1. Indicate which of the following techniques and activities were utilized in your Public Involvement and Participation program during this reporting year and provide your estimated ranking of the overall effectiveness of the techniques used. In your assessment, consider the length of time for which the activity has been in effect in deciding whether there has been sufficient opportunity to determine its effectiveness. If the activity was implemented for the first time late in the current reporting year, you may choose to delay assessment of the activity until next year and indicate "n/a" in the right hand column. Use the information and quantifiable data contained in your Annual Report to help determine the effectiveness of each activity. You may wish to evaluate the numeric ranking in the last column after completing levels 3 and 4.

Public Participation and Involvement Activities / Techniques	Was this Technique Utilized this Reporting Year?		<u>QUANTIFIABLE DATA</u> Insert relevant data from Annual Reporting Requirements or other data that quantifies trends.		<u>WEAKNESSES</u> Identify any weaknesses relating to this activity that require improvement	Indicate the Overall Effectiveness of this Technique Poor > > > > Excellent					
	Yes	No	Last Year	This Year		n/a	1	2	3	4	5
Clean-up Event or "Adopt a Stream" program					1. 2. 3.						
Stormwater "Hotline"					1. 2. 3.						
Community / Public Meetings					1. 2. 3.						
Stakeholder Meetings					1. 2. 3.						
Storm Drain Stenciling					1. 2. 3.						
Advisory Committee or Watershed Group					1. 2. 3.						
Volunteer Monitoring Program					1. 2. 3.						
Tree Program or Plantings					1. 2. 3.						
Seek and respond to comments from public on SWMP					1. 2. 3.						
Other (Specify):					1. 2. 3.						
Other (Specify):					1. 2. 3.						

► **LEVEL 3 - Behavioral Changes**

1. Compared to previous years of the stormwater program, has there been an increase in the number of participants in public meetings, special events or other public participation activities? Yes ☐ No ☐
2. Are you receiving more questions, comments or interest related to review of the Annual Report? Yes ☐ No ☐
3. Have you received an increase in the number of requests from the public or other agencies to review Stormwater Pollution Prevention Plans (SWPPPs) associated with construction activity? Yes ☐ No ☐
4. Have you received inquiries about public involvement activities that the municipality has specifically promoted as part of its stormwater program?
Yes ☐ No ☐
5. Provide any other information that may indicate a positive change in behavior, attitude, knowledge and/or awareness of the stormwater program as a result of your Public Involvement and Participation program:

(Other) : _____

► **LEVEL 4 - Water Quality and Quantity Changes**

1. Have there been any documented reductions in the amount of stormwater discharged as a direct result of Public Participation activities (e.g. tree plantings, use of green infrastructure or water conservation practices, recommendation of better site design by the public in SWPPP review)? Yes ☐ No ☐
2. Have there been any documented improvements in the quality of receiving waterbodies as a direct result of Public Participation activities (e.g. stream cleanups, storm drain stenciling, household or hazardous waste recycling programs)? Yes ☐ No ☐
3. If monitoring or sampling has been done, has there been any documented improvement to water quality that might be a result of public participation activities? Yes ☐ No ☐ Not Applicable ☐

► **SUMMARY:**

1. How many “No” responses are included in your **Level 1** assessment of this MCM?

Any “No” responses indicate that you may not be adequately meeting the basic permit requirements. Every effort should be made to meet these requirements by the next annual assessment or by any deadline as may be indicated in the permit.

2. How many of the MCM activities and/or techniques have received a ranking of “1” or “2” in your **Level 2** assessment?

In those cases where an activity is ranked as “1” or “2”, the items identified as “Weaknesses” should be considered a priority and should be implemented to improve the overall effectiveness of the activity by the next annual assessment.

3. How many “No” responses are included in your **Level 3** assessment of this MCM?

Multiple “No” responses may indicate that your efforts are not resulting in observable behavioral changes in your audiences. While a poor score in this section does not necessarily mean that the municipality’s attempts to solicit public input and participation have been insufficient, re-evaluation of activities being undertaken and identification of new and/or modified activities may produce more public interest and action.

4. How many “No” responses are included in your **Level 4** assessment of this MCM?

Any “No” responses may indicate that your efforts have not yet resulted in observable or documented water quality or quantity changes that can be specifically attributed to public involvement and participation activities. It should be recognized, however, that the cumulative effects of your stormwater program may not be easily identifiable within a short period of time. Periodic observation or monitoring of specific problem sites may help to develop a baseline of conditions so that improvements can be detected.

5. Overall, based on the above responses, how effective do you think your Public Involvement and Participation Program is in helping you to achieve your Stormwater Management Program goals?

Poor	>	>	>	>	>	>	>	>	>	Excellent
1	2	3	4	5						

6. If you scored your program as a 1, 2, or 3 above, note the changes you plan to make to this MCM to improve its effectiveness. Also, if specific activities in Level 2 ranked low in terms of effectiveness, indicate how they will be improved or whether focus of the program will shift to a different strategy.

MINIMUM MEASURE 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

► **LEVEL 1 - Basic Permit Requirements**

1. On the table below, indicate whether your MS4 has:

	Yes	No
▪ Developed and implemented an Illicit Discharge Detection and Elimination (IDDE) Program.		
▪ Developed a map showing the location of all outfalls.		
▪ Developed a map identifying the names and locations of all surface waters receiving discharges from the outfalls.		
▪ Developed a map of the storm sewersheds.		
▪ Developed a map showing the storm sewer system (e.g. lines, catchbasins, manholes, etc)		
▪ Field verified outfall locations.		
▪ Conducted an Outfall Reconnaissance Inventory of each outfall at least once every five years.		
▪ Mapped new outfalls as they are constructed or discovered.		
▪ Adopted an ordinance/law to prohibit illicit discharges to the storm sewer system.		
▪ Obtained certification from an attorney that the ordinance is equivalent to the NYS Model IDDE law.		
▪ Informed employees of the hazards associated with illegal discharges and improper disposal of waste.		
▪ Informed businesses of the hazards associated with illegal discharges and improper disposal of waste.		
▪ Informed the general public of the hazards associated with illegal discharges and improper disposal of waste.		
▪ Developed, recorded and/or modified measurable goals associated with this Minimum Control Measure (MCM).		
▪ Selected appropriate BMPs to ensure the reduction of Pollutants of Concern in stormwater discharges.		

► **LEVEL 2 - Specific Activities and Techniques**

1. Indicate which of the following techniques and activities were utilized in your IDDE program during this reporting year and provide your estimated ranking of the overall effectiveness of the techniques used. In your assessment, consider the length of time for which the activity has been in effect in deciding whether there has been sufficient opportunity to determine its effectiveness. If the activity was implemented for the first time late in the current reporting year, you may choose to delay assessment of the activity until next year and indicate “n/a” in the right hand column. Use the information and quantifiable data contained in your Annual Report to help determine the effectiveness of each activity. You may wish to evaluate the numeric ranking in the last column after completing levels 3 and 4.

IDDE Activities / Techniques	Was this Technique Utilized this Reporting Year?		<u>QUANTIFIABLE DATA</u> Insert relevant data from Annual Reporting Requirements or other data that quantifies trends.		<u>WEAKNESSES</u> Identify any weaknesses relating to this activity that require improvement	Indicate the Overall Effectiveness of this Technique Poor > > > > Excellent					
	Yes	No	Last Year	This Year		n/a	1	2	3	4	5
Outfall - Dry Weather Screening					1.						
					2.						
					3.						
Streambank or Shoreline Survey					1.						
					2.						
					3.						
System Inspections					1.						
					2.						
					3.						
Targeted illicit discharge trackdown					1.						
					2.						
					3.						
Removal or elimination of discharges					1.						
					2.						
					3.						
Dye Testing					1.						
					2.						
					3.						
Employee IDDE Training and Education					1.						
					2.						
					3.						
Other (specify):					1.						
					2.						
					3.						
Other (specify):					1.						
					2.						
					3.						

► **LEVEL 3 - Behavioral Changes**

- Compared to previous years of the stormwater program, has there been a decrease in the number of illicit discharges requiring elimination, or an increase in the proportion of identified problems that are successfully tracked to their source and/or eliminated? Yes ☐ No ☐
- Has there been any noticeable improvement in the behavior of residents (e.g. less littering/dumping, correction of illegal connections), or have intermittent discharges decreased or ceased? Yes ☐ No ☐

3. Has there been any noticeable improvement in the behavior of business owners (e.g. correction of illegal connections, improved handling and disposal of hazardous waste, etc.)? Yes ☐ No ☐
4. Have municipal employees changed standard operating procedures to address potential illicit discharges? Yes ☐ No ☐
5. Provide any other information that may indicate a positive change in behavior, attitude, knowledge and/or awareness of the stormwater program as a result of your IDDE program:

(Other) : _____

► **LEVEL 4 - Water Quality and Quantity Changes**

1. Have there been any documented reductions in the number of dry-weather flows or amount of non-stormwater discharges to the municipal drainage system as a direct result of IDDE activities? Yes ☐ No ☐
2. Have there been any documented improvements in the quality of receiving waterbodies as a direct result of IDDE activities? Yes ☐ No ☐
3. If monitoring or sampling has been done, has there been any documented improvement to water quality that may be attributable to elimination or cessation of illicit discharges? Yes ☐ No ☐ Not Applicable ☐

► **SUMMARY:**

1. How many “No” responses are included in your **Level 1** assessment of this MCM?

Any “No” responses indicate that you may not be adequately meeting the basic permit requirements. Every effort should be made to meet these requirements by the next annual assessment or by any deadline as may be indicated in the permit.

2. How many of the MCM activities and/or techniques have received a ranking of “1” or “2” in your **Level 2** assessment?

In those cases where an activity is ranked as “1” or “2”, the items identified as “Weaknesses” should be considered a priority and should be implemented to improve the overall effectiveness of the activity by the next annual assessment.

3. How many “No” responses are included in your **Level 3** assessment of this MCM?

Multiple “No” responses may indicate that your efforts are not resulting in observable behavioral changes in your audiences. Re-evaluation of existing policies and procedures and identification of new and/or modified practices and techniques may help ensure that adequate tracking and enforcement is occurring to eliminate illicit discharges.

4. How many “No” responses are included in your **Level 4** assessment of this MCM?

Any “No” responses may indicate that your efforts have not yet resulted in observable or documented water quality or quantity changes that can be directly attributed to IDDE program efforts. It should be recognized however, that the cumulative effects of your stormwater program may not be easily identifiable within a short period of time. Periodic observation or monitoring of specific problem sites may help to develop a baseline of conditions so that improvements can be detected.

5. Overall, based on the above responses, how effective do you think your IDDE Program is in helping you to achieve your Stormwater Management Program goals?

Poor	>	>	>	>	>	>	>	>	>	Excellent
1	2	3	4	5						

6. If you scored your program as a 1, 2, or 3 above, note the changes you plan to make to this MCM to improve its effectiveness. Also, if specific activities in Level 2 ranked low in terms of effectiveness, indicate how they will be improved or whether focus of the program will shift to a different strategy.

MINIMUM MEASURE 4: CONSTRUCTION SITE - STORMWATER RUNOFF CONTROL

► **LEVEL 1 - Basic Permit Requirements**

1. On the table below, indicate whether your MS4 has:

	Yes	No
▪ Developed a program that provides equivalent protection to the Stormwater General Permit for Construction Activities.		
▪ Developed a program that addresses stormwater runoff from construction activities that disturb \geq one acre.		
▪ Adopted an ordinance/law to require a SWPPP that include erosion and sediment controls.		
▪ Adopted an ordinance/law equivalent to NYS's Sample Law for Stormwater Mgt. and Erosion & Sediment Control.		
▪ Obtained certification from an attorney that the ordinance is equivalent to the NYS Sample Law.		
▪ Developed a program requiring construction site operators to implement erosion and sediment control practices.		
▪ Developed a program that allows for sanctions to ensure compliance.		
▪ Developed a program that requires construction site operators to control wastes at the site.		
▪ Developed a program that establishes procedures for SWPPP review.		
▪ Ensured that individuals performing reviews are adequately trained.		
▪ Utilized the "SWPPP Acceptance Form" when required.		
▪ Developed a program that describes procedures for receipt and follow-up of complaints.		
▪ Developed a program that describes procedures for site inspections and enforcement.		
▪ Developed, recorded and/or modified measurable goals associated with this Minimum Control Measure (MCM).		
▪ Selected appropriate Best Management Practices (BMPs) to ensure the reduction of Pollutants of Concern in stormwater discharges.		

► **LEVEL 2 - Specific Activities and Techniques**

1. Indicate which of the following techniques and activities were utilized in your Construction Site - Stormwater Runoff Control program during this reporting year and provide your estimated ranking of the overall effectiveness of the techniques used. In your assessment, consider the length of time for which the activity has been in effect in deciding whether there has been sufficient opportunity to determine its effectiveness. If the activity was implemented for the first time late in the current reporting year, you may choose to delay assessment of the activity until next year and indicate "n/a" in the right hand column. Use the information and quantifiable data contained in your Annual Report to help determine the effectiveness of each activity. You may wish to evaluate the numeric ranking in the last column after completing levels 3 and 4.

Construction Site Stormwater Runoff Activities / Techniques	Was this Technique Utilized this Reporting Year?		<u>QUANTIFIABLE DATA</u> Insert relevant data from Annual Reporting Requirements or other data that quantifies trends.		<u>WEAKNESSES</u> Identify any weaknesses relating to this activity that require improvement	Indicate the Overall Effectiveness of this Technique Poor > > > > Excellent					
	Yes	No	Last Year	This Year		n/a	1	2	3	4	5
SWPPP Review of Erosion & Sediment Control Practices					1.						
					2.						
					3.						
Receipt and Consideration of Public Comment re: SWPPPs					1.						
					2.						
					3.						
Construction Site Inspection					1.						
					2.						
					3.						
Enforcement Actions					1.						
					2.						
					3.						
Contractor Training					1.						
					2.						
					3.						
Employee Training					1.						
					2.						
					3.						
Monitoring of Receiving Waterbodies					1.						
					2.						
					3.						
Other (specify):					1.						
					2.						
					3.						
Other (Specify):					1.						
					2.						
					3.						

► **LEVEL 3 - Behavioral Changes**

1. Compared to previous years of the stormwater program, has there been an increase in the number of developments for which SWPPPs with adequate sediment and erosion control provisions are submitted in the initial review? Yes ☐ No ☐

2. Have there been fewer violations with regard to stormwater construction inspections and permitting? Yes ☐ No ☐
3. Has there been any noticeable improvement in the behavior of developers and contractors (e.g. improved permit compliance, better site practices such as minimizing disturbed area through phasing or increased emphasis on seeding and mulching, modifications to site design, etc)? Yes ☐ No ☐
4. Has there been an increase in the relative proportion of sites properly stabilized at the time a Notice of Termination is filed? Yes ☐ No ☐
5. Provide any other information that may indicate a positive change in behavior, attitude, knowledge and/or awareness of the stormwater program as a result of your Construction Stormwater Runoff program:

(Other) : _____

► **LEVEL 4 - Water Quality and Quantity Changes**

1. Has there been any noticeable decrease in the amount of erosion and sediment in runoff from construction sites during wet weather? Yes ☐ No ☐
2. Has there been any noticeable improvement in the visual quality of stormwater runoff from construction sites (e.g. less cloudy) during wet weather?
Yes ☐ No ☐
3. Has there been any noticeable improvement in the visual quality of the waterbodies receiving stormwater discharges from construction sites during wet weather (e.g. fewer visual contrasts to natural conditions)? Yes ☐ No ☐

► **SUMMARY:**

1. How many “No” responses are included in your **Level 1** assessment of this MCM?

Any “No” responses indicate that you may not be adequately meeting the basic permit requirements. Every effort should be made to meet these requirements by the next annual assessment or by any deadline as may be indicated in the permit.

2. How many of the MCM activities and/or techniques have received a ranking of “1” or “2” in your **Level 2** assessment?

In those cases where an activity is ranked as “1” or “2”, the items identified as “Weaknesses” should be considered a priority and should be implemented to improve the overall effectiveness of the activity by the next annual assessment.

3. How many “No” responses are included in your **Level 3** assessment of this MCM?

Multiple “No” responses may indicate that your efforts are not resulting in observable behavioral changes in your audiences. Re-evaluation of existing policies and procedures and identification of new and/or modified practices and techniques may help ensure that construction site runoff control is properly addressed in the plan review and construction stages.

4. How many “No” responses are included in your **Level 4** assessment of this MCM?

Any “No” responses may indicate that your efforts have not yet resulted in observable or documented water quality or quantity changes that can be directly attributed to construction site runoff control improvements. It should be recognized, however, that the cumulative effects of your stormwater program may not be easily identifiable within a short period of time. Periodic observation or monitoring of specific problem sites may help to develop a baseline of conditions so that improvements can be detected.

5. Overall, based on the responses above, how effective do you think your Construction Site Stormwater Runoff Control Program is in helping you to achieve your Stormwater Management Program goals?

Poor	>	>	>	>	>	>	>	>	>	Excellent
1	2	3	4	5						

6. If you scored your program as a 1, 2, or 3 above, note the changes you plan to make to this MCM to improve its effectiveness. Also, if specific activities in Level 2 ranked low in terms of effectiveness, indicate how they will be improved or whether focus of the program will shift to a different strategy.

MINIMUM MEASURE 5: POST-CONSTRUCTION STORMWATER MANAGEMENT

► **LEVEL 1 - Basic Permit Requirements**

1. On the table below, indicate whether your MS4 has:

	Yes	No
▪ Developed a program that provides equivalent water resource protection to the Stormwater Permit for Construction Activities.		
▪ Developed a program that addresses stormwater runoff from construction activities that disturb \geq one acre.		
▪ Adopted an ordinance/law that requires post-construction runoff controls that meet the State's technical standards.		
▪ Adopted an ordinance/law that is equivalent to NYS's Sample Law for Stormwater Management and Erosion & Sediment Control		
▪ Obtained certification from an attorney that the ordinance is equivalent to the NYS Sample Law.		
▪ Developed a program that includes structural and non-structural management practices.		
▪ Developed a program that encourages "Green Infrastructure" practices at the site level.		
▪ Developed a program that describes procedures for SWPPP review.		
▪ Ensured that individuals performing reviews are adequately trained.		
▪ Utilized the "SWPPP Acceptance Form" when necessary.		
▪ Established and maintained an inventory of post-construction stormwater management practices in your jurisdiction.		
▪ Ensured long-term operation, maintenance and inspection of management practices by trained staff.		
▪ Provided adequate resources for a program to inspect stormwater management practices and/or enforce penalties.		
▪ Developed, recorded and/or modified measurable goals associated with this Minimum Control Measure (MCM).		
▪ Selected appropriate post-construction BMPs to ensure the reduction of Pollutants of Concern in stormwater discharges.		

► **LEVEL 2 - Specific Activities and Techniques**

1. Indicate which of the following techniques and activities were utilized in your Post-Construction Stormwater Management Control program during this reporting year and provide your estimated ranking of the overall effectiveness of the techniques used. In your assessment, consider the length of time for which the activity has been in effect in deciding whether there has been sufficient opportunity to determine its effectiveness. If the activity was implemented for the first time late in the current reporting year, you may choose to delay assessment of the activity until next year and indicate "n/a" in the right hand column. Use the information and quantifiable data contained in your Annual Report to help determine the effectiveness of each activity. You may wish to evaluate the numeric ranking in the last column after completing levels 3 and 4.

Post-Construction Stormwater Management Activities / Techniques	Was this Technique Utilized this Reporting Year?		<u>QUANTIFIABLE DATA</u>		<u>WEAKNESSES</u> Identify 3 Weaknesses Relating to this activity that require improvement within the next 1-5 years	Indicate the Overall Effectiveness of this Technique Poor > > > > Excellent					
	Yes	No	Insert relevant data from Annual Reporting Requirements or other data that quantifies trends.			n/a	1	2	3	4	5
			Last Year	This Year							
SWPPP Review of Post-Construction SWM Practices					1. _____ 2. _____ 3. _____						
Inventory of Post-Construction Practices					1. _____ 2. _____ 3. _____						
Post-Construction Site Inspection					1. _____ 2. _____ 3. _____						
Enforcement Actions					1. _____ 2. _____ 3. _____						
Contractor Training					1. _____ 2. _____ 3. _____						
Employee Training					1. _____ 2. _____ 3. _____						
Monitoring of Receiving Waterbodies					1. _____ 2. _____ 3. _____						
Implementation of Low Impact Dev					1. _____ 2. _____ 3. _____						
Other (specify):					1. _____ 2. _____ 3. _____						
Other (specify):					1. _____ 2. _____ 3. _____						

► **LEVEL 3 - Behavioral Changes**

1. Compared to previous years of the stormwater program, has there been an increase in the number of developments for which SWPPPs with adequate post-construction practices designed to state standards are submitted in the initial review? Yes ☐ No ☐

2. Have there been fewer violations with regard to stormwater post-construction inspections and permitting? Yes ☐ No ☐
3. Has there been any noticeable improvement in the behavior of developers (e.g. improved permit compliance, improvement in design of stormwater management practices, modifications or improvements to site layout, etc)? Yes ☐ No ☐
4. Has there been an increase in the relative proportion of stormwater management practices in acceptable condition when acquired by the municipality?
Yes ☐ No ☐
5. Provide any other information that may indicate a positive change in behavior, attitude, knowledge and/or awareness of the stormwater program as a result of your Construction Stormwater Runoff program:

(Other) : _____

► **LEVEL 4 - Water Quality and Quantity Changes**

1. Has there been any noticeable decrease in the peak discharge of stormwater runoff as a result of post-construction practices during wet weather? Yes ☐
No ☐
2. Has there been any noticeable improvement in the visual quality of runoff as a result of post-construction practices (e.g. less cloudy) during wet weather?
Yes ☐ No ☐
3. Has there been any noticeable improvement in the visual quality of the waterbodies receiving stormwater discharges from post-construction facilities during wet weather? Yes ☐ No ☐

► **SUMMARY:**

1. How many “No” responses are included in your **Level 1** assessment of this MCM?

Any “No” responses indicate that you may not be adequately meeting the basic permit requirements. Every effort should be made to meet these requirements by the next annual assessment or by any deadline as may be indicated in the permit.

2. How many of the MCM activities and/or techniques have received a ranking of “1” or “2” in your **Level 2** assessment?

In those cases where an activity is ranked as “1” or “2”, the items identified as “Weaknesses” should be considered a priority and should be implemented to improve the overall effectiveness of the activity by the next annual assessment.

3. How many “No” responses are included in your **Level 3** assessment of this MCM?

Multple “No” responses may indicate that your efforts are not resulting in observable behavioral changes in your audiences. Re-evaluation of existing policies and procedures and identification of new and/or modified practices and techniques may help to ensure that post-construction management is properly addressed in the plan review and construction stages.

4. How many “No” responses are included in your **Level 4** assessment of this MCM?

Any “No” responses may indicate that your efforts have not yet resulted in documented or observable water quality or quantity changes that can be directly attributed to improvements in post-construction stormwater management practices. It should be recognized, however, that the cumulative effects of your stormwater program may not be easily identifiable within a short period of time. Periodic observation or monitoring of specific problem sites may help to develop a baseline of conditions so that improvements can be detected.

5. Overall, how effective do you think your Post-Construction Stormwater Management Program is in helping you to achieve your Stormwater Management Program goals?

Poor	>	>	>	>	>	>	>	>	>	Excellent
1	2	3	4	5						

6. If you scored your program as a 1, 2, or 3 above, note the changes you plan to make to this MCM to improve its effectiveness. Also, if specific activities in Level 2 ranked low in terms of effectiveness, indicate how they will be improved or whether focus of the program will shift to a different strategy.

MINIMUM MEASURE 6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING
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► **LEVEL 1 - Basic Permit Requirements**

1. On the table below, indicate whether your MS4 has:

	Yes	No
▪ Developed a program that addresses municipal operations and facilities that contribute Pollutants of Concern (POCs).		
▪ Identified each municipal operation/facility that contributes (or potentially contributes) POCs.		
▪ Performed a self-assessment of each municipal operation/facility at least once every 3 years.		
▪ Determined sources of pollutants potentially generated by these operations/facilities.		
▪ Determined and established management practices, policies and procedures to reduce or prevent potential discharges.		
▪ Prioritized Pollution Prevention and Good Housekeeping efforts based on factors specified in Part VII.A.6.a.iv of the MS4 General Permit.		
▪ Addressed your municipality's Pollution Prevention and Good Housekeeping priorities.		
▪ Developed an employee Pollution Prevention and Good Housekeeping training program.		
▪ Ensured that staff receives and utilizes training.		
▪ Ensured that the Good Housekeeping activities being implemented by contractors on your behalf meet permit requirements.		
▪ Developed, recorded and/or modified measurable goals associated with this Minimum Control Measure (MCM).		
▪ Selected appropriate BMPs to ensure the reduction of POCs in stormwater discharges.		

► **LEVEL 2 - Specific Activities and Techniques**

1. Indicate which of the following techniques and activities were utilized in your Pollution Prevention and Good Housekeeping program during this reporting year and provide your estimated ranking of the overall effectiveness of the techniques used. In your assessment, consider the length of time for which the activity has been in effect in deciding whether there has been sufficient opportunity to determine its effectiveness. If the activity was implemented for the first time late in the current reporting year, you may choose to delay assessment of the activity until next year and indicate "n/a" in the right hand column. Use the information and quantifiable data contained in your Annual Report to help determine the effectiveness of each activity. You may wish to evaluate the numeric ranking in the last column after completing levels 3 and 4.

Pollution Prevention and Good Housekeeping Activities / Techniques	Was this Technique Utilized this Reporting Year?		<u>QUANTIFIABLE DATA</u> Insert relevant data from Annual Reporting Requirements or other data that quantifies trends.		<u>WEAKNESSES</u> Identify 3 Weaknesses Relating to this activity that require improvement within the next 1-5 years	Indicate the Overall Effectiveness of this Technique Poor > > > > Excellent					
	Yes	No	Last Year	This Year		n/a	1	2	3	4	5
Street Sweeping					1. 2. 3.						
Catchbasin Inspection and Cleaning					1. 2. 3.						
Road Salt Storage and Application					1. 2. 3.						
Vehicle/Fleet Maintenance					1. 2. 3.						
Hazardous Waste Storage and Handling					1. 2. 3.						
Spill Response and Prevention					1. 2. 3.						
Integrated Pest Management					1. 2. 3.						
Turf Management Practices					1. 2. 3.						
On-Site Septic Management					1. 2. 3.						
Employee Training					1. 2. 3.						
Other (specify):					1. 2. 3.						

► **LEVEL 3 - Behavioral Changes**

1. Have municipal officials changed standard operating procedures to address potential Pollutants of Concern? Yes ☐ No ☐
2. Has there been an increase in the number of municipal employees being trained in Good Housekeeping practices? Yes ☐ No ☐
3. Have municipal employees been more accepting and eager to implement Pollution Prevention and Good Housekeeping Practices? Yes ☐ No ☐
4. Have there been documented decreases in the risk of pollutant discharge (due to elimination of exposed potential pollutants) as a result of municipal operations and practices? Yes ☐ No ☐
5. Provide any other information that may indicate a positive change in behavior, attitude, knowledge and/or awareness of the stormwater program as a result of your Municipal Pollution Prevention and Good Housekeeping program:

(Other) : _____

► **LEVEL 4 - Water Quality and Quantity Changes**

1. Has there been a decrease in the amount of potential loading and/or contaminants (pesticides, road salt, fertilizer, etc) being applied by the municipality?
Yes ☐ No ☐
2. As a result of street sweeping and drainage collection and conveyance system maintenance, has there been a decrease in the amount of material discharged to receiving waterbodies? Yes ☐ No ☐
3. Has there been any noticeable improvement in the visual quality of stormwater entering receiving waterbodies from municipal facilities (e.g. less cloudy)?
Yes ☐ No ☐
4. Has there been any noticeable improvement in the visual quality of the waterbodies receiving stormwater discharges from post-construction facilities, or any reduction in flooding attributable to improved maintenance of facilities and drainage systems?
Yes ☐ No ☐
5. If monitoring or sampling has been done, has there been any documented improvement to water quality that may be related to improvements in municipal operations and practices? Yes ☐ No ☐ Not Applicable ☐

► **SUMMARY:**

1. How many “No” responses are included in your **Level 1** assessment of this MCM?

Any “No” responses indicate that you may not be adequately meeting the basic permit requirements. Every effort should be made to meet these requirements by the next annual assessment or by any deadline as may be indicated in the permit.

2. How many of the MCM activities and/or techniques have received a ranking of “1” or “2” in your **Level 2** assessment?

In those cases where an activity is ranked as “1” or “2”, the items identified as “Weaknesses” should be considered a priority and should be implemented to improve the overall effectiveness of the activity by the next annual assessment.

3. How many “No” responses are included in your **Level 3** assessment of this MCM?

Multiple “No” responses may indicate that your efforts are not resulting in behavioral changes in your audiences. Re-evaluation of existing policies and procedures and identification of new and/or modified practices and techniques may help you reach pollution prevention goals for all municipal departments.

4. How many “No” responses are included in your **Level 4** assessment of this MCM?

Any “No” responses may indicate that your efforts have not yet resulted in observable or documented water quality or quantity changes that can be directly attributed to pollution prevention and good housekeeping activities. It should be recognized, however, that the cumulative effects of your stormwater program may not be easily identifiable within a short period of time. Periodic observation or monitoring of specific problem sites may help to develop a baseline of conditions so that improvements can be detected.

5. Overall, based on the responses above, how effective do you think your Municipal Pollution Prevention and Good Housekeeping program is in helping you to achieve your Stormwater Management Program goals?

Poor	>	>	>	>	>	>	>	>	>	Excellent
1	2	3	4	5						

6. If you scored your program as a 1, 2, or 3 above, note the changes you plan to make to this MCM to improve its effectiveness. Also, if specific activities in Level 2 ranked low in terms of effectiveness, indicate how they will be improved or whether focus of the program will shift to a different strategy.

Stormwater Pollution Prevention Facility Self Audit

Review each question and check the appropriate box to determine if your facility is incorporating stormwater pollution prevention in daily operations. This checklist may be used to identify opportunities for improvement in pollution prevention as well as to document practices that the facility uses to prevent stormwater pollution.

Facility Operation

	Yes	No	Not Applicable	Can't Determine
Are vehicles parked indoors or under a roof when not in use?				
Are operations such as vehicle washing, vehicle maintenance, draining of fluids, storage of fluids and waste performed under a roof or inside?				
Are vehicles washed regularly to remove contamination and prevent it from polluting stormwater?				
Is wash water treated in an oil-water separator prior to discharge?				
Is process water diverted to a trench drain system to collect contaminated run-off inside work areas?				
Is process water from the trench drain system treated in an oil-water separator prior to discharge?				
Are solids cleaned out of the oil-water separator and trench drain system regularly?				
When working outdoors, is contaminated process water and sediment collected to prevent it from mingling with and contaminating stormwater?				
Are drains inside the facility connected to a sanitary sewer?				

Fluids Management

	Yes	No	Not Applicable	Can't Determine
Are fluids in tanks or drums stored with an appropriate amount of secondary containment?				
Are drum-top pads used for leaks and spills that occur during transfer of fluids?				
Are fluids drained over a drip pan or pad?				
Are funnels or pumps used when transferring fluids?				
Are drip pans placed under leaks?				
Are containers maintained in good condition, closed, covered and away from equipment that can cause them to tip over?				
Are containers stored inside or under a roof?				
Are containers inspected regularly?				
Are all containers labeled in a manner that describes the contents adequately?				
Are absorbent pads used on drum tops to catch spills?				
Is a closed-loop parts washer system used (contains solvent)?				
Is the parts-washer lid kept closed when not in use?				
Is a contract in place with a parts washer service company to change out spent solvent?				
Has the possibility of using an aqueous-based parts washer been explored?				
Are fluids stored in appropriate containers and/or storage cabinets?				

	Yes	No	Not Applicable	Can't Determine
Are storage areas kept clean and well organized?				
Are storage areas labeled clearly?				

Leak and Spill Prevention and Control

	Yes	No	Not Applicable	Can't Determine
Are vehicles inspected daily for leaks?				
Is spill control equipment and absorbents readily available?				
Are emergency phone numbers posted in the area?				
Are material safety data sheets (MSDS's) readily available?				
Are spills cleaned up immediately?				
Are employees trained annually on spill prevention?				

Oil Management

	Yes	No	Not Applicable	Can't Determine
Is oil changed indoors over concrete, sloped to a drain or curbed surface?				
Is oil changed over a drip pan or pad?				
Are funnels or pumps used when transferring oil?				

	Yes	No	Not Applicable	Can't Determine
Are drip pans placed immediately under any oil leak?				
Is waste oil stored indoors when possible and with secondary containment?				
Are waste oil containers in good condition, closed, labeled and inspected regularly?				
Is anything else mixed with waste oil?				
Is waste oil recycled?				

Antifreeze

	Yes	No	Not Applicable	Can't Determine
Is antifreeze changed indoors over concrete that is sloped to drain or curbed surface?				
Is antifreeze drained over a drip pan or pad?				
Are funnels or pumps used when transferring antifreeze?				
Are drip pans placed immediately under any leak?				
Is waste antifreeze stored indoors when possible with secondary containment?				
Are containers kept in good condition, closed, labeled and inspected regularly?				
Is antifreeze mixed with any other wastes?				
Is waste antifreeze recycled?				

Lead-Acid Batteries

	Yes	No	Not Applicable	Can't Determine
Are lead-acid batteries stored indoors over a curbed impermeable surface?				
Are intact batteries stored on an acid resistant rack or tub?				
Are cracked or leaking batteries stored in closed leak-proof and labeled containers?				
Is the date each battery was placed into storage recorded?				
Are batteries stacked more than 5 high?				
Are batteries inspected regularly for leaks?				
Are acid neutralizing agents, such as baking soda, available in case of leaks?				
Are batteries recycled?				
Are batteries stored longer than 6 months before recycling?				
Are lead cable ends left on the batteries to be recycled?				

Tires

	Yes	No	Not Applicable	Can't Determine
Are tires stored indoors?				
If tires are stored outdoors, is the tire pile covered?				
Are tires recycled frequently to keep the number of tires stored on site low?				

Fueling Areas

	Yes	No	Not Applicable	Can't Determine
Is fueling performed under a canopy?				
Are spill cleanup materials available at the fueling area?				
Is the fueling handle lock disconnected so the person fueling must attend the fueling process?				
Are breakaway valves used on fueling hoses?				
Is fueling area stormwater runoff treated in an oil-water separator?				
Are all fuel deliveries monitored?				
Is the fueling automatic stop inspected regularly to ensure proper function?				

Rags, Oil-Absorbing Pads, Towels and Clothing

	Yes	No	Not Applicable	Can't Determine
Are oil rags and absorbent pads stored in appropriate containers and disposed of properly?				
Are reusable oily materials such as towels and clothing maintained through a commercial laundering service or an in-house washing machine that discharges to a sanitary system through an oil-water separator?				

Salt Storage

	Yes	No	Not Applicable	Can't Determine
Are salt piles stored in a salt storage building or under a roof?				

	Yes	No	Not Applicable	Can't Determine
Are salt spills at a facility cleaned up promptly?				
Does stormwater drain away from the salt pile?				

Miscellaneous Storage Piles

	Yes	No	Not Applicable	Can't Determine
Are piles of spoils, asphalt, street cuts, etc. stored at the facility under a roof or cover?				
Are spills of miscellaneous debris on facility grounds cleaned up promptly?				

Facility Stormwater Runoff

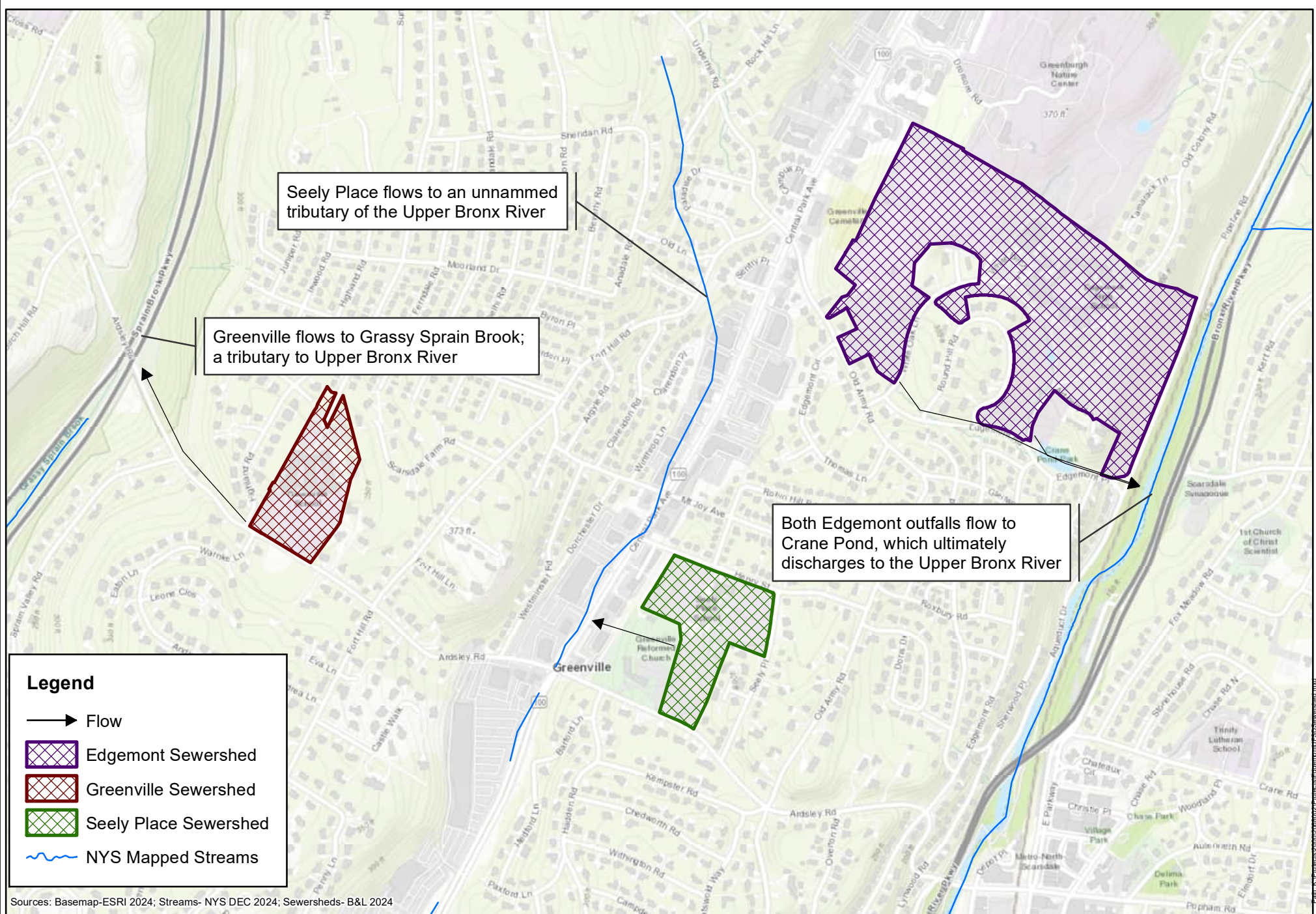
	Yes	No	Not Applicable	Can't Determine
Is uncontaminated stormwater prevented from mixing with process areas?				

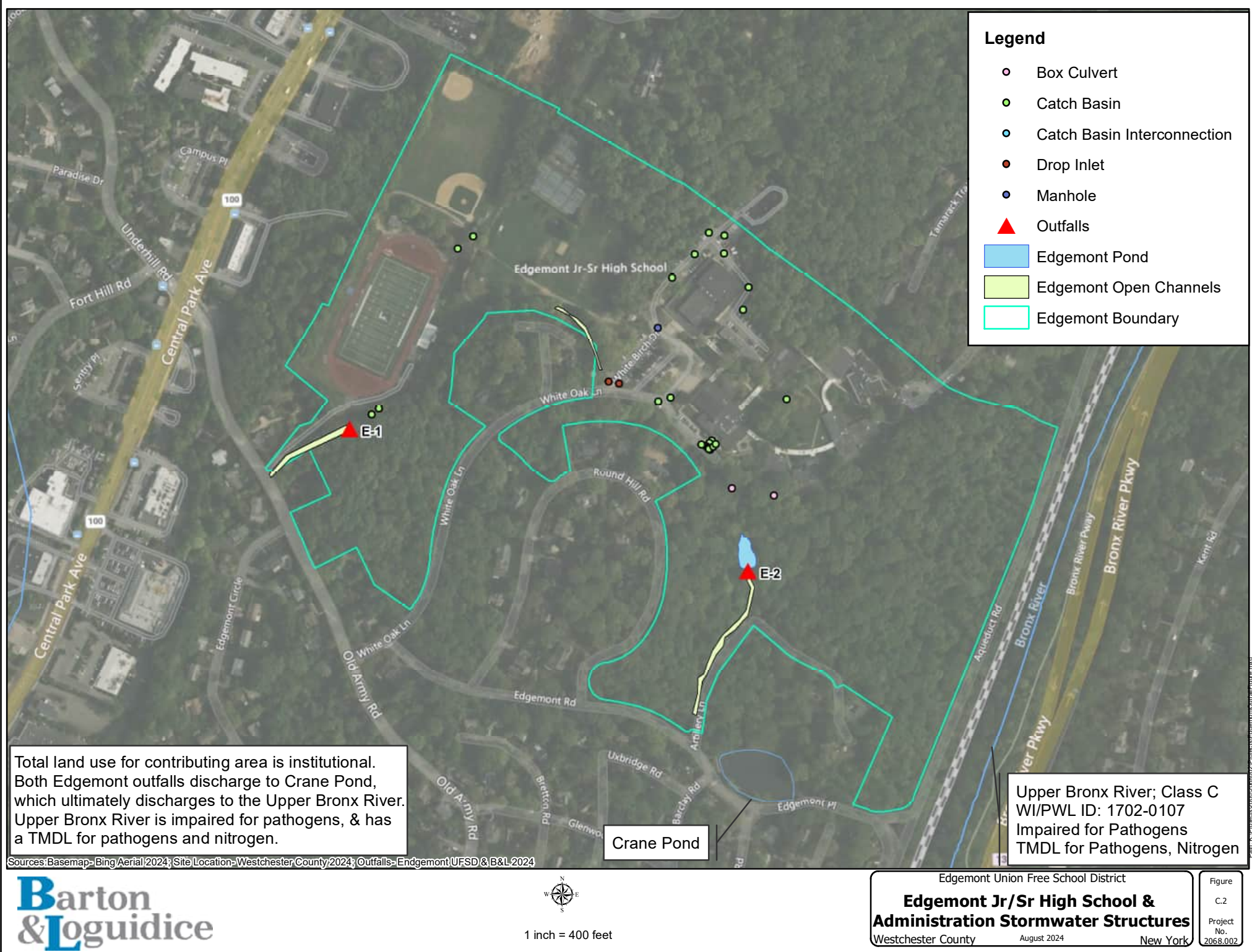
Comments/Action Items

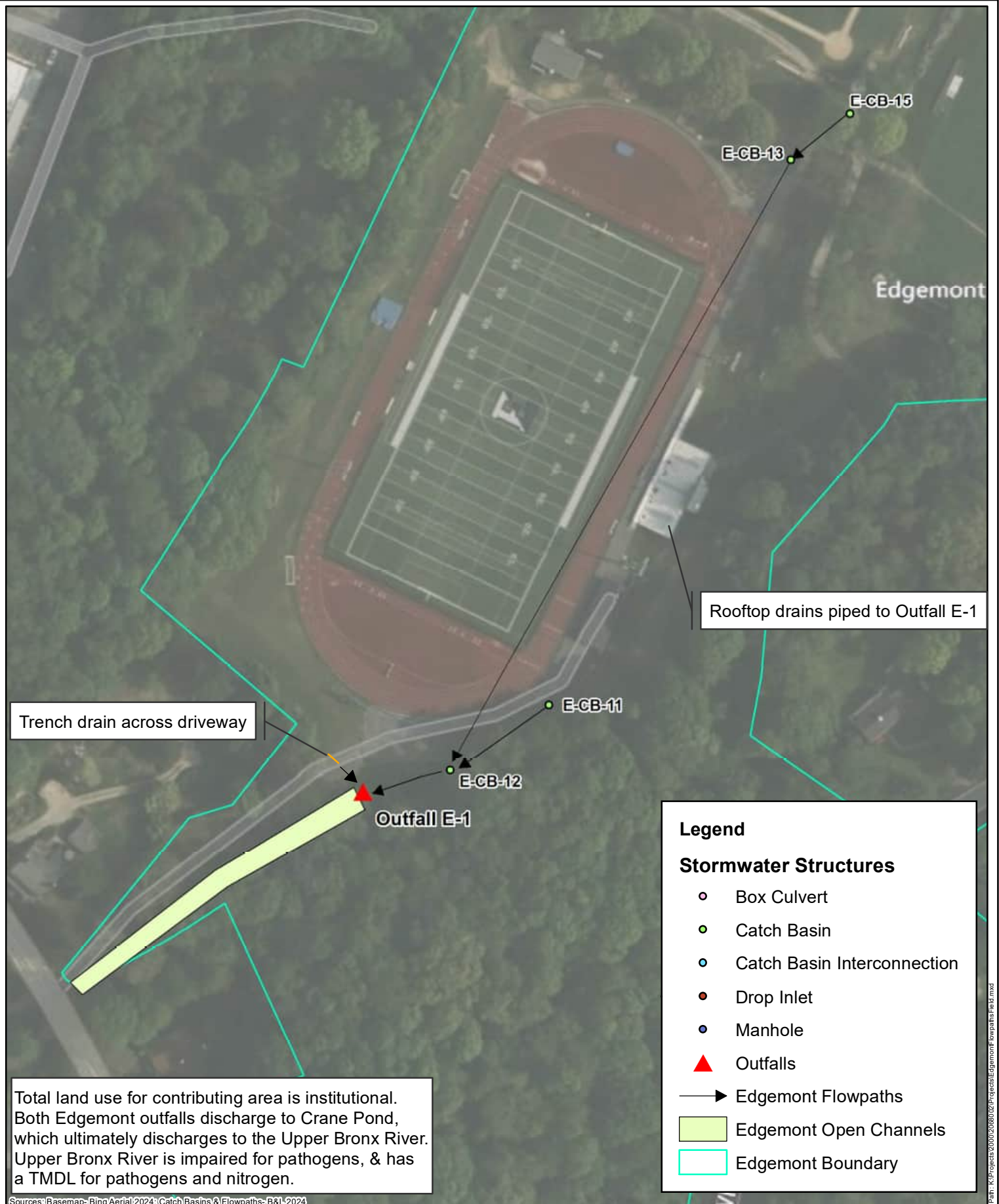
Inspected by: _____

Date: _____

APPENDIX C
Edgemont UFSD Stormwater Outfall Map and Storm
Sewershed Mapping and Monitoring Location Inventory



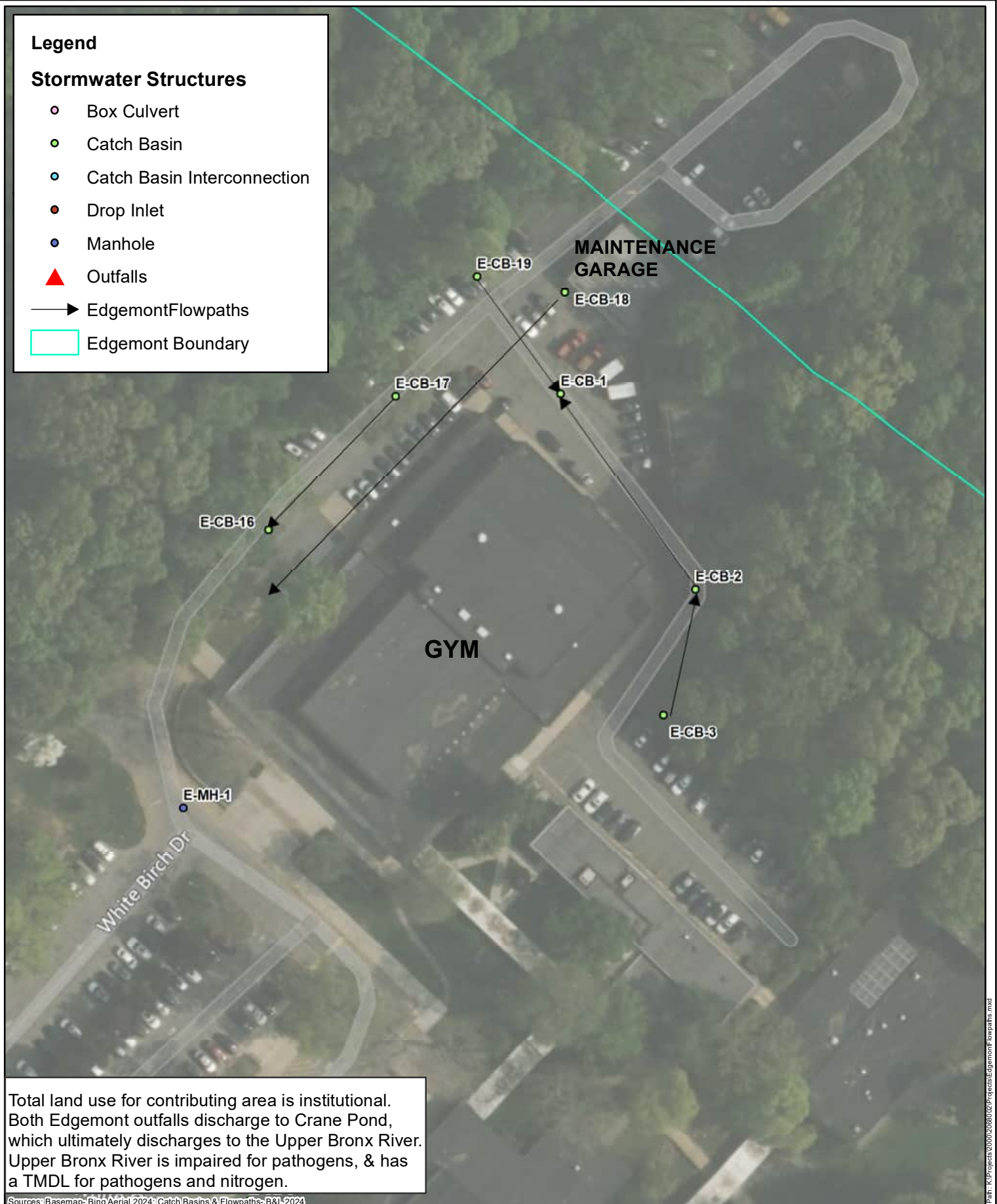




Legend

Stormwater Structures

- Box Culvert
- Catch Basin
- Catch Basin Interconnection
- Drop Inlet
- Manhole
- ▲ Outfalls
- ▶ EdgemontFlowpaths
- Edgemont Boundary



Total land use for contributing area is institutional. Both Edgemont outfalls discharge to Crane Pond, which ultimately discharges to the Upper Bronx River. Upper Bronx River is impaired for pathogens, & has a TMDL for pathogens and nitrogen.

Sources: Basemap: Bing Aerial 2024; Catch Basins & Flowpaths: B&L 2024





Legend

Stormwater Structures

- Box Culvert
- Catch Basin
- Catch Basin Interconnection
- Drop Inlet
- Manhole
- ▲ Outfalls
- EdgemontFlowpaths
- Edgemont Boundary

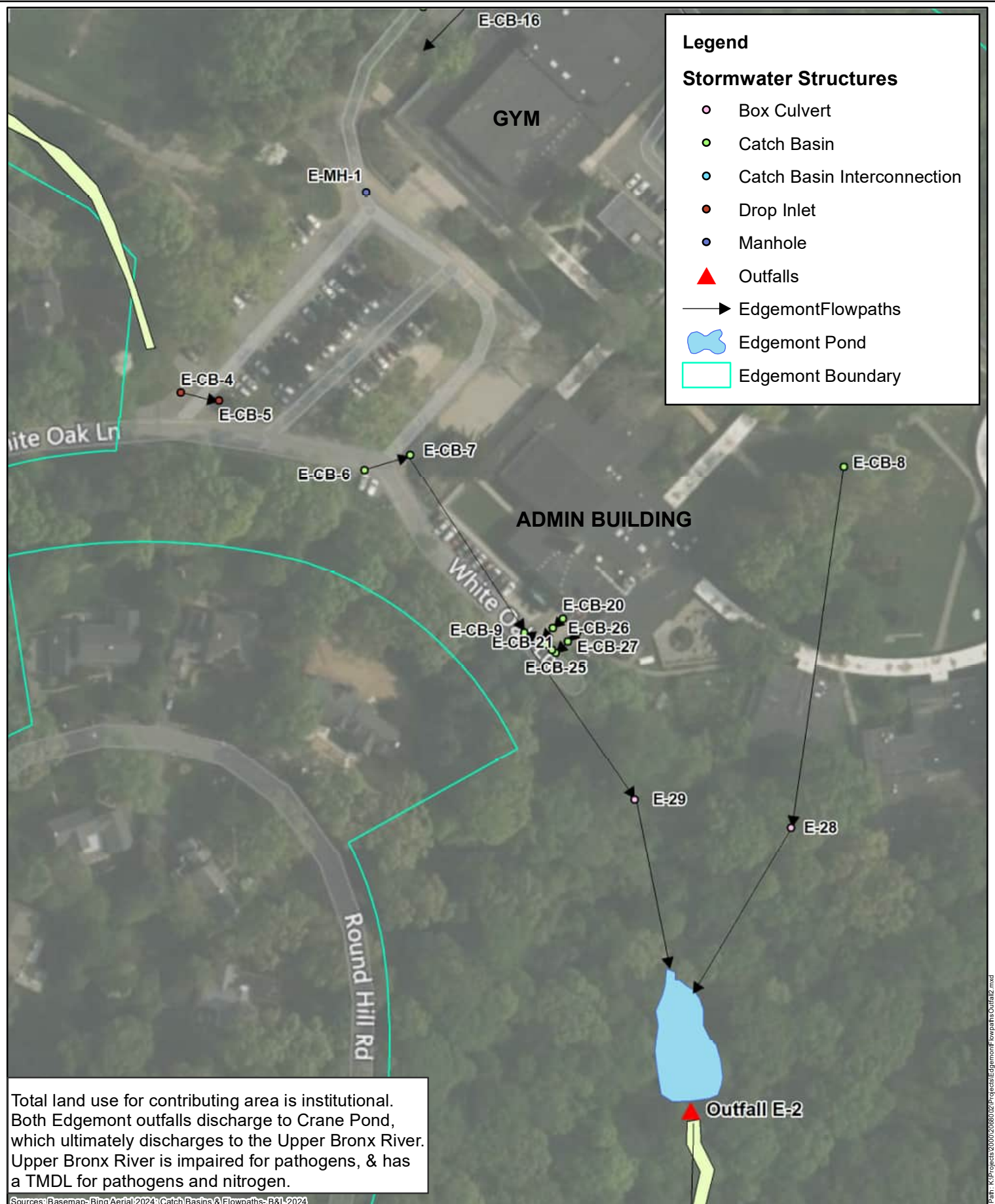
Catch basins E-CB-20 through E-CB-27 all flow to E-CB-9

E-29 previously named Outfall E-2; drainage study determined culvert is not an outfall & ties into current Outfall E-2 downstream.

Total land use for contributing area is institutional. Both Edgemont outfalls discharge to Crane Pond, which ultimately discharges to the Upper Bronx River. Upper Bronx River is impaired for pathogens, & has a TMDL for pathogens and nitrogen.

Sources: Basemap: Bing Aerial 2024; Catch Basins & Flowpaths: B&L 2024





Legend

- Box Culvert
- Catch Basin
- Catch Basin Interconnection
- Manhole
- ▲ Outfalls
- Greenville Open Channel
- Greenville School Boundary



Legend

- Box Culvert
- Catch Basin
- Catch Basin Interconnection
- Manhole
- ▲ Outfalls
- Greenville Flowpaths
- Greenville Open Channel
- Greenville School Boundary



Total land use for contributing area is institutional. Greenville ultimately flows to Grassy Sprain Brook, a tributary to the Upper Bronx River. Upper Bronx River has a TMDL impairment for pathogens and nitrogen.

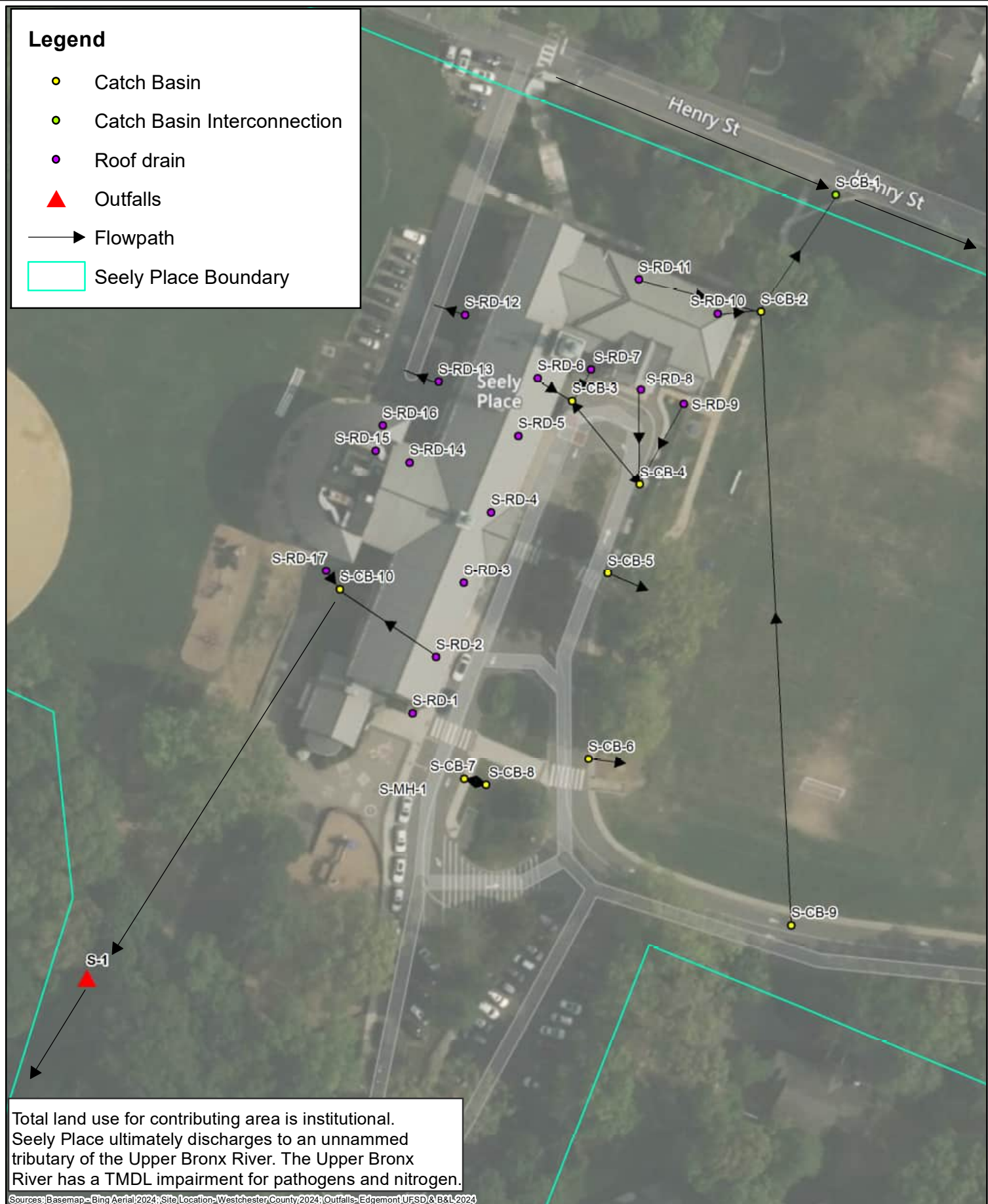
Sources: Basemap: Bing Aerial 2024; Site Location: Westchester County 2-24; Outfalls: Edgemont UFSD & B&L, 2024





Legend

- Catch Basin
- Catch Basin Interconnection
- Roof drain
- ▲ Outfalls
- Flowpath
- Seely Place Boundary



Stormwater Structure ID	Priority	Type	Municipal Facility
		NOT FOUND	
		NOT FOUND	
		NOT FOUND	
		NOT FOUND	Edgemont
		NOT FOUND	Edgemont
		NOT FOUND	Edgemont
		NOT FOUND	Edgemont
		NOT FOUND	Edgemont
		NOT FOUND	Edgemont
		NOT FOUND	Edgemont
		NOT FOUND	Greenville
E-28		Box Culvert	Edgemont
E-29		Box Culvert	Edgemont
E-CB-1	High	Catch Basin	Edgemont
E-CB-11		Catch Basin	Edgemont
E-CB-12		Catch Basin	Edgemont
E-CB-13		Catch Basin	Edgemont
E-CB-15		Catch Basin	Edgemont
E-CB-16		Catch Basin	Edgemont
E-CB-17		Catch Basin	Edgemont
E-CB-18		Catch Basin	Edgemont
E-CB-19		Catch Basin	Edgemont
E-CB-2		Catch Basin	Edgemont
E-CB-20		Catch Basin	Edgemont
E-CB-21		Catch Basin	Edgemont
E-CB-22		Catch Basin	Edgemont
E-CB-23		Catch Basin	Edgemont
E-CB-24		Catch Basin	Edgemont
E-CB-25		Catch Basin	Edgemont
E-CB-26		Catch Basin	Edgemont
E-CB-27		Catch Basin	Edgemont
E-CB-3		Catch Basin	Edgemont
E-CB-4	High	Drop Inlet	Edgemont
E-CB-5		Drop Inlet	Edgemont
E-CB-6		Catch Basin	Edgemont
E-CB-7		Catch Basin	Edgemont
E-CB-8		Catch Basin	Edgemont
E-CB-9		Catch Basin	Edgemont
E-MH-1		Manhole	Edgemont
G-CB-1	High	Catch Basin Interconnection	Greenville
G-CB-2		Catch Basin	Greenville
G-CB-3		Catch Basin	Greenville
G-CB-4		Catch Basin Interconnection	Greenville
G-CB-5		Catch Basin	Greenville
G-CB-6		Catch Basin Interconnection	Greenville
S-CB-1		Catch Basin Interconnection	Seely
S-CB-10		Catch Basin	Seely
S-CB-2		Catch Basin	Seely
S-CB-3		Catch Basin	Seely
S-CB-4		Catch Basin	Seely
S-CB-5		Catch Basin	Seely
S-CB-6		Catch Basin	Seely
S-CB-7		Catch Basin	Seely
S-CB-8		Catch Basin	Seely
S-CB-9		Catch Basin	Seely
S-MH-1		Manhole	Seely
S-RD-1		Roof drain	Seely
S-RD-10		Roof drain	Seely
S-RD-11		Roof drain	Seely
S-RD-12		Roof drain	Seely
S-RD-13		Roof drain	Seely
S-RD-14		Roof drain	Seely
S-RD-15		Roof drain	Seely
S-RD-16		Roof drain	Seely
S-RD-17		Roof drain	Seely
S-RD-2		Roof drain	Seely
S-RD-3		Roof drain	Seely
S-RD-4		Roof drain	Seely
S-RD-5		Roof drain	Seely
S-RD-6		Roof drain	Seely
S-RD-7		Roof drain	Seely
S-RD-8		Roof drain	Seely
S-RD-9		Roof drain	Seely

[illegible]

Stormwater Structure ID	Material	Last Inspection	Maintenance Needed	Number of Connections
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
E-28	Concrete	2024-07-29	N	0
E-29	Concrete	2024-07-29	Y-Veg	0
E-CB-1		2024-07-29	N	2
E-CB-11		2024-07-29	N	1
E-CB-12		2024-07-29	N	2
E-CB-13		2024-07-29	Y-Sed	0
E-CB-15		2024-07-29	N	0
E-CB-16		2024-07-29	N	1
E-CB-17		2024-07-29	N	1
E-CB-18		2024-07-29	N	2
E-CB-19		2024-07-29	N	1
E-CB-2		2024-07-29	N	2
E-CB-20		2024-07-29	N	0
E-CB-21		2024-07-29	N	0
E-CB-22		2024-07-29	N	0
E-CB-23		2024-07-29	N	0
E-CB-24		2024-07-29	N	0
E-CB-25		2024-07-29	N	0
E-CB-26		2024-07-29	N	0
E-CB-27		2024-07-29	N	0
E-CB-3		2024-07-29	N	1
E-CB-4		2024-07-29	N	3
E-CB-5		2024-07-29	N	1
E-CB-6		2024-07-29	N	0
E-CB-7		2024-07-29	N	0
E-CB-8		2024-07-29	N	0
E-CB-9		2024-07-29	N	0
E-MH-1		2024-07-29	N	3
G-CB-1		2024-07-29	N	3
G-CB-2		2024-07-29	N	1
G-CB-3		2024-07-29	N	1
G-CB-4		2024-07-29	N	1
G-CB-5		2024-07-29	N	1
G-CB-6		2024-07-29	N	2
S-CB-1		2024-07-29	N	2
S-CB-10		2024-07-29	N	2
S-CB-2		2024-07-29	N	4
S-CB-3		2024-07-29	N	4
S-CB-4		2024-07-29	N	2
S-CB-5		2024-07-29	N	1
S-CB-6		2024-07-29	N	1
S-CB-7		2024-07-29	N	1
S-CB-8		2024-07-29	N	2
S-CB-9		2024-07-29	N	1
S-MH-1		2024-07-29	N	0
S-RD-1		2024-07-29	N	0
S-RD-10		2024-07-29	N	0
S-RD-11		2024-07-29	N	0
S-RD-12		2024-07-29	N	0
S-RD-13		2024-07-29	N	0
S-RD-14		2024-07-29	N	0
S-RD-15		2024-07-29	N	0
S-RD-16		2024-07-29	N	0
S-RD-17		2024-07-29	N	0
S-RD-2		2024-07-29	N	0
S-RD-3		2024-07-29	N	0
S-RD-4		2024-07-29	N	0
S-RD-5		2024-07-29	N	0
S-RD-6		2024-07-29	N	0
S-RD-7		2024-07-29	N	0
S-RD-8		2024-07-29	N	0
S-RD-9		2024-07-29	N	0

APPENDIX D
MS4 Construction Site Inventory, Inspection Form,
and Annual Reporting Summaries

Edgemont Union Free School District Construction Site Inventory, Inspection Tracking, & Prioritization

[illegible]

MS4 CONSTRUCTION SITE INSPECTION LOG

Site Name: _____

Owner: _____

Primary Contractor: _____

* **Construction Stages:**

PC = Pre-Construction

IESC = Initial Erosion &

Sediment Control

CC = Completion of Clearing

RGC = Rough Grading Complete

FGC = Final Grading Complete

CCS = Close of Construction Season

FV = Final Establishment of Vegetation

[illegible]

1 Determined by the Code Enforcement Officer based on actual observation.

2 To be completed if specific issue can be attributed to a given contractor.

Note: This form should be used in conjunction with the NYSDEC Construction Stormwater Inspection Report. Refer to the NYSDEC report for a comprehensive list of the technical and administrative requirements to be documented during a site inspection; issues noted on the NYSDEC report should be briefly summarized on this form. The Code Enforcement Officer should fill out a copy of this form for each individual site inspected, to summarize the history of inspection and enforcement activity for the site. The form records summary information regarding the owner/operator inspections as well as specific information obtained during the municipal site inspection. Multiple rows within the form may be used to document multiple issues noted during the same inspection.

Stormwater Construction Site Inspection Report

General Information			
Project Name			
SPDES Tracking No.		Location	
Date of Inspection		Start/End Time	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Inspector's Qualifications			
Describe present phase of construction			
Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature:			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
11		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
17		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
18		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
19		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION 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 gathered and evaluated 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."

Print name and title: _____

Signature: _____ **Date:** _____

MS4 CONSTRUCTION SITE ANNUAL REPORTING SUMMARY

[illegible]

1 This date refers to the initial start date of construction activity on the site. Resumption of construction following temporary shutdown is not recorded.

2 For projects that remain open at the end of the reporting year, this date refers to the anticipated end date of construction, which can be obtained from the Notice of Intent.

3 For projects closed before the end of the reporting year, this date refers to the end date of construction activity when Notice of Termination is filed. Temporary shutdown is not recorded.

Note: The Code Enforcement Officer should maintain this log on an annual basis based on completed copies of the individual Construction Site Inspection Log.

APPENDIX E
Summary of Public Comments on SWMP, Draft Annual Reports, and MS4
Stormwater Inquiry Response Documents

MS4 Stormwater Inquiry Response Documents

Complaint Number: _____ Date/Time Responded: _____

Response Lodged By: _____

Response: _____

Complaint Number: _____ Date/Time Responded: _____

Response Lodged By: _____

Response: _____

APPENDIX F
Attorney Stormwater Policy Certifications

APPENDIX G
Enforcement Actions Tracking

MS4 Stormwater Enforcement Report

Occurance Number: _____ **Date/Time Noted:** _____

Type: Construction ☐ Post Construction ☐ Illicit Discharge ☐ Drainage ☐

Complaint Received By: _____

Location of Occurrence:

Address: _____

Name of Development (if applicable): _____

Nature of Violation: _____

Referred to:

Agency/Department: _____ Date/Time of Referral: _____

Representative: _____

Action Taken: ☐ Verbal Warning ☐ Email Notice ☐ On-site meeting ☐ N.O.V. ☐ Stop Work ☐ Ticket

Action Results/Findings: _____

Follow Up Action Needed: ☐ Yes ☐ No

If Yes, Describe: _____

Dates of Follow-up Action: _____ **Representative:** _____

Describe Follow-up Action and/or Resolution: _____

Signature of Representative Closing Case: _____

ANNUAL STORMWATER POLICY VIOLATION SUMMARY

Construction Violations		
Total Number of Violations	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Outside Agency Referral		
Stop Work Order		
Fine		

Illicit Discharge Violations		
Total Number of Violations	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Disconnection		
Repair of Problem		
Fine		

Post-Construction Violations		
Total Number of Violations	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Outside Agency Referral		
Stop Work Order		
Fine		

Note: This form should be used by the Stormwater Management Officer to tally total numbers of recorded violations and their resolution at the end of the reporting year. These numbers should be based upon the information in the individual violations sheets. Since several actions may be required to resolve a single complaint, actions should be tracked separately from the total number of violations. Actions include both initial and follow-up actions needed to resolve a given problem, as reflected in the individual stormwater violations forms.

APPENDIX H
Training Certificates and Sign In Sheets



Edgemont School District MS4 Compliance & Stormwater Regulations

AUGUST 5, 2024

Acknowledgements

- **New MS4 Permit Requirements (GP-0-24-001)**
 - Portions of Presentation derived from NYSDEC MS4 Permit Overview
 - NYSDEC - Christina Chiappetta
 - Christina.Chiappetta@dec.ny.gov

Why Does it Matter?

- State objectives derived from the Federal Clean Water Act (CWA)
- Two fundamental goals:
 - Eliminate the discharge of pollutants into the nation's waters, and**
 - Achieve water quality levels that are fishable and swimmable.**



Barton & Loggins

Why Manage Stormwater?

- **Regulatory Requirement**
 - MS4 Permit
- **Reduce Pollutants Entering Surface Waters**
 - 50% of Nation's waterways are impacted by stormwater
 - Sediment from construction
 - Chemical transport
 - Nutrients (P and N)
 - Oils/grease
 - Herbicides, pesticides
 - Detergents/chlorine
 - Bacteria



Barton & Loggins

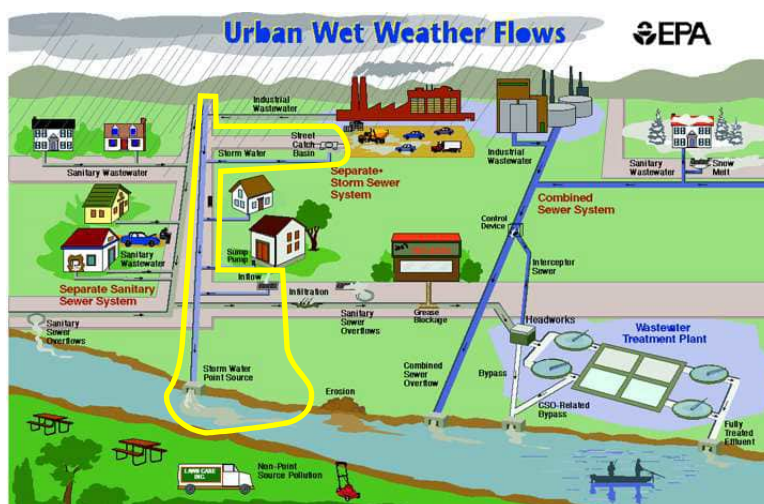
MS4 Permit Overview

What does MS4 stand for?
Municipal Separate Storm Sewer System

An MS4 is a conveyance or system of conveyances that is:

1. owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.,
2. designed or used to collect or convey stormwater (e.g., storm drains, pipes, ditches),
3. not a combined sewer, and
4. not part of a sewage treatment plant, or publicly owned treatment works (POTW).

– US EPA



What does MS4 stand for?

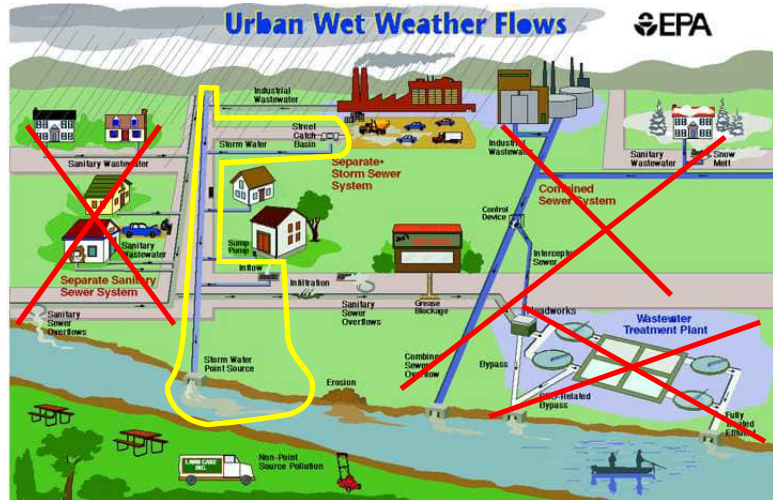
Municipal Separate Storm Sewer System

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& Loguidice

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– US EPA



Traditional vs. Non-traditional MS4s

Traditional Land Use Control MS4s:

- A city, town, or village with land use control authority

Non-traditional MS4 Operators:

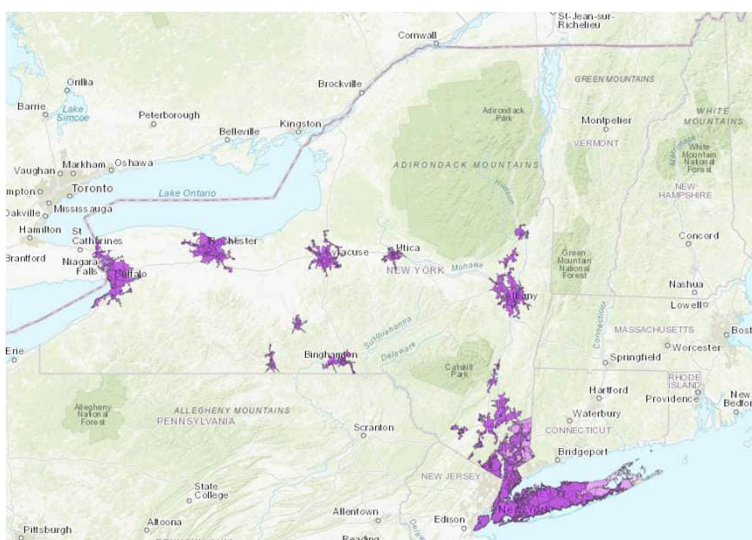
- Publicly owned properties such as school & other special districts



Barton & Loguidice

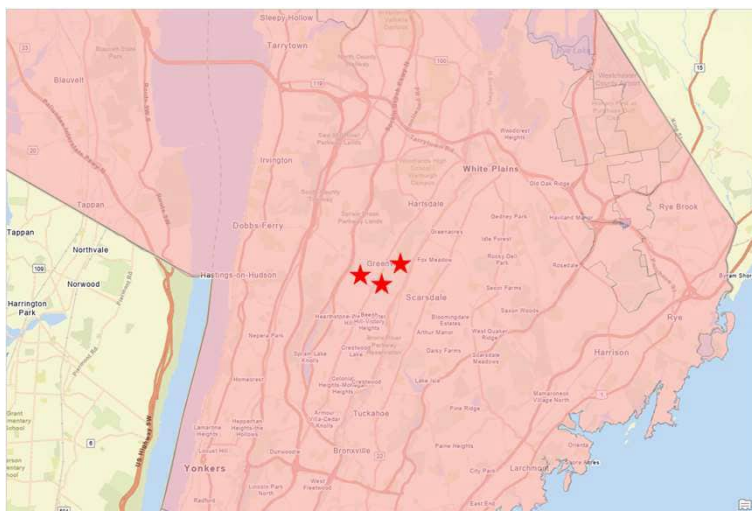
MS4 Permit Overview

- Automatic (population density) & Designated MS4s
- 544 Regulated Entities
 - Towns, Cities, Villages
 - Counties
 - Institutions
 - State-Wide Agencies



MS4 Permit Overview

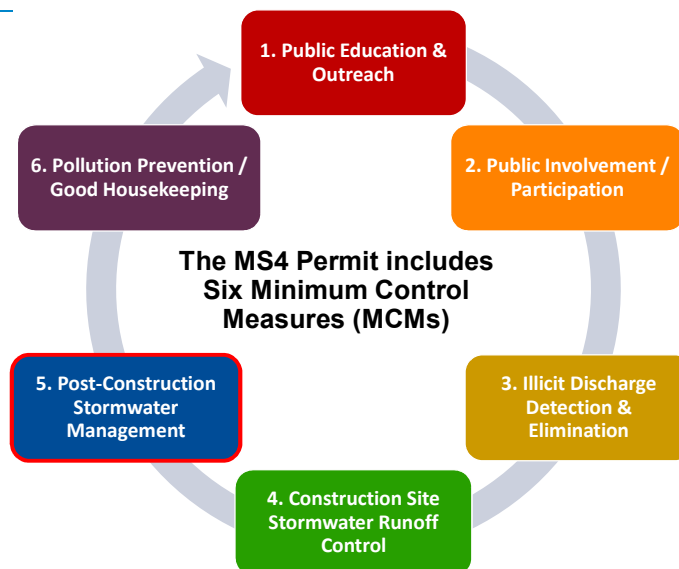
- Automatic (population density) & Designated MS4s
- 544 Regulated Entities
 - Towns, Cities, Villages
 - Counties
 - Institutions
 - State-Wide Agencies



MS4 Permit Overview

- Maximum Extent Practicable (MEP)
 - MS4s must:
 1. Track Information
 2. Analyze Information & Identify Trends
 3. Adjust BMPs in their Stormwater Management Program (SWMP)

MS4 Stormwater Permit





MS4 Permit Overview – Key Dates

- January 3, 2024 – Effective date of the permit (EDP)
- January 3 to January 2 – Annual reporting year
- February 20, 2024 – Electronic notice of intent (eNOI)
- March 4, 2024 – Interim coverage under GP-0-15-003 expired
- July 3, 2024 – Six (6) months from the EDP
- October 1, 2024 – Interim progress certification
- April 1, 2025 – First annual report



Stormwater Management Program (SWMP) & Reporting Requirements



Stormwater Management Program (SWMP)

- Plan for meeting the MS4 Requirements
- Must be made available for public review
- Annual Updates
- Recordkeeping of all activities
- Public Contact

Enhanced requirements if discharging to impaired waterbodies or TMDL.

Edgemont UFSD discharges to Bronx River, impaired for pathogens.



Stormwater Management Program (SWMP)

Stormwater Management Program Plan

STAFFING PLAN / ORGANIZATIONAL CHART

Table 1: Staffing Plan		
Name	Job Title	Roles / Responsibilities Regarding the Elements Of The SWMP
Rosario Renda	Director Of Facilities rrenda@edgemont.org (914) 472-7767	Public Contact, SWMP Coordinator, Signatory
Marina Franco	Senior Office Assistant Automated Systems mfranco@edgemont.org (914) 725-1500	Secondary contact
David Hannay	Vice President dhannay@bartonandloguidice.com (585) 325-7190	MS4 Consultant

Edgemont Union Free School District

Westchester County, New York
MS4 Permit No. NYR20A406

Prepared for
Edgemont Union Free School District
300 White Oak Lane
Scarsdale, NY 10583

July 2024



Reporting Requirements

- Annual Reports
 - January 3 – January 2 of the following year
 - Due by April 1st of each year to NYSDEC
 - First Annual Report due April 1, 2025
- Interim Progress Reports
 - 2/year
 - January 3rd – June 30th
 - July 1st – January 2nd
 - First Interim Progress Report due October 1, 2024
- Electronic Reporting Requirement
 - <http://www.dec.ny.gov/>



Mapping



New Mapping Requirements

- Standalone mapping section of Permit
- Added land use mapping requirements

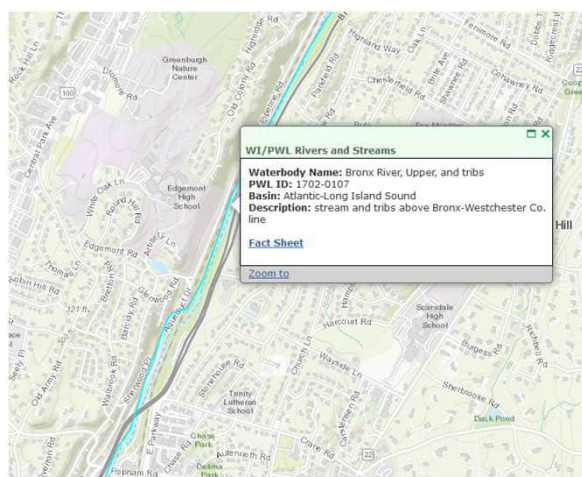
Comprehensive Base Mapping: July 3, 2024

- Outfalls
- Interconnections
- Preliminary Sewershed Boundaries
- MS4 infrastructure for certain TMDLs
- Basemap



New Mapping Requirements

- Basemap Requirements
- Surface waters
 - Waterbody Classification
 - Impairment Status
 - Pollutant on Concern
 - TMDL Watershed Area
- Land use
- Roads
- Topography





New Mapping Requirements

Phase 1: 3 Years of EDC

- Conveyance Mapping
 - Structures
 - Inlets, catch basins, manholes
 - Flow direction
- Prioritized monitoring locations
- Focus areas
- Stormwater management practices (SMPs)
- Facilities
- Areas with a history of sanitary sewer overflows
- Waterfowl congregation areas on district property or right of way
- Areas where pets/domestic animals may frequent
- Waste disposal areas



MCM 1 Public Education & Outreach



New Public Education & Outreach Requirements

- Identify Focus Areas
 - Sewershed for impaired waterbodies
 - TMDL watersheds
 - Areas with construction activities
 - Areas with erosion
 - On-site wastewater systems
 - Stormwater hotspots
 - Illicit discharge locations



Enhanced Public Education & Outreach Requirements

- Address pathogen reduction through implementation of district policy (In SWMP)
- Provide educational messages with specific pathogen reduction information twice annually (Starting January 1, 2027)



Public Education & Outreach Requirements

- Identify Target Audiences (3 Years of EDP)
 - Students
 - Staff
 - Institutions
 - Construction (developers, contractors, designers)
 - Illicit Discharge Information
 - Education must be provided to target audience at least once per permit term



GP-0-22-002 MS4 PERMIT REVISIONS

How to Spot Illicit Discharges

Sanitary Sewer Discharge

Observations:

- Sanitary debris
- Staining on pipe
- Heavy Foam
- Gray or Discolored Water
- Odors (sewage, chlorine, rotten eggs, detergents)



Falling Septic System



Staining



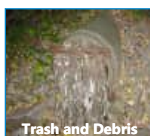
Illegal Dumping, Spills, or Floor Drain Connection

Observations:

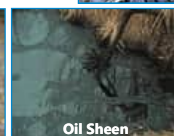
- Oily sheen
- Trash, non-sanitary debris
- Petroleum odors
- Stained sediment, rocks, and vegetation



Stained Rocks



Trash and Debris



Oil Sheen

Industrial Discharge

Observations:

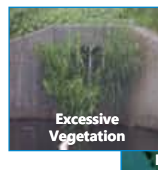
- Discolored water
- Chemical odor



Agricultural Runoff, Fertilizers, or Sanitary Sewer Waste

Observations:

- Algae growth at or near outlet
- Heavy vegetation at or near outlet



Excessive Vegetation



Blue Green Algae

MCM 2

Public Involvement/Participation

Current Public Involvement & Participation Requirements

- Review and comment to the SWMP
- Local Point of Contact
- Annual Report Presentation
 - Posted to District Website

STAFFING PLAN / ORGANIZATIONAL CHART

Name	Job Title	Roles / Responsibilities Regarding the Elements Of The SWMP
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David Hanny	Vice President dhanny@bartonandloguidice.com (585) 325-7190	MS4 Consultant



Public Involvement & Participation Requirements

- Annual public participation for revisions/implementation of the SWMP
- Public comments to Draft Annual Report each year
- Annual summary of comments on the SWMP and Draft Annual Report
- Update SWMP based on comments



MCM 3 Illicit Discharge Detection & Elimination (IDDE)

What is an Illicit Discharge?

- Illicit discharges are generally any discharge into a storm drain system this is not entirely of stormwater or groundwater.
 - Sewage
 - Septic systems
 - Laundry water
 - Industrial waste
 - Automotive washwater
 - Turbid water (sediment laden)
 - Illegal dumping
- **Only rain water & snowmelt should be going into storm drains!**



Barton & Loggins



<http://www.charmeck.org/stormwater/PollutionPrevention/Pages/CleaningProducts.aspx>

Barton & Loggins

Allowable Discharges

- **Uncontaminated groundwater discharges**

- Pumped groundwater
- Foundation drains
- Water from crawl space pumps
- Footing drains

- Landscape irrigation and lawn watering runoff
- Residual street wash water associated with sweeping
- Discharges or flows from firefighting activities (except training)

- **Naturally occurring discharges**

- Rising groundwaters
- Uncontaminated groundwater infiltration
- Springs
- Diverted stream flows
- Flows from riparian habitats and wetlands



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& Loguidice**

New IDDE Requirements

- Provide public contract for illicit discharge reporting
- Document Illicit Discharges in SWMP
- Additional monitoring locations
 - Outfalls
 - Interconnections to other MS4s
 - Conveyances from municipal facilities to the MS4
- Develop Inventory of monitoring locations (3 yrs. of EDP)





New IDDE Requirements

- Prioritize monitoring locations
 - High Priority Outfalls Discharge
 - From High priority municipal facilities
 - To Impaired waters
 - To TMDL watersheds
 - To High priority waters (Class AA-S, A-S, AA, A, B, SA or SB)
 - Where there have been 3 or more citizen complaints
- Update priority list annually in SWMP



Impaired Waterbody IDDE Requirements

- Update Outfall Inventory
 - Number of areas with history of sanitary sewer overflows
 - Waterfowl congregation areas on municipal property or right of way
 - Areas where pets/domestic animals may frequent
 - Waste disposal areas
- By January 1 2029



IDDE Requirements

- Monitoring Program (2 yrs. of EDP)
 - Inspect once every 5 years
- Track Down Procedures
 - Reinspections within 30 days for outfalls with non-flow physical indicators
- Sampling suspect locations



Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

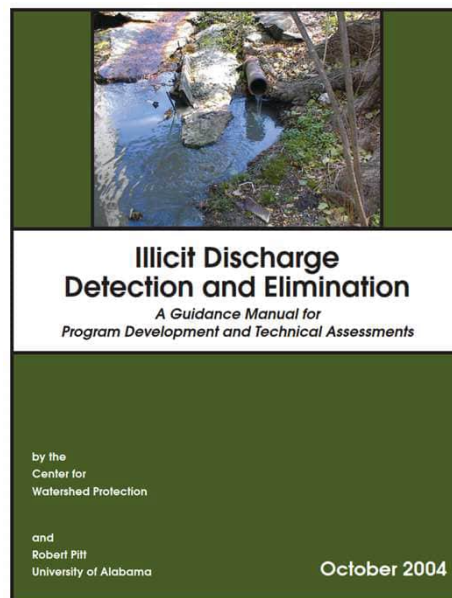
Are physical indicators that are not related to flow present? ☐ Yes ☐ No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	Reinspect within 30 days
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	



IDDE Requirements

- Illicit Track Down Program (2 yrs. of EDP)
- Illicit Discharge Elimination Program (2 yrs. of EDP)
 - Corrective Actions



MCM 4 Construction Site Stormwater Runoff Control



Construction Runoff Requirements

- Legal Authority
- SWPPP Review and Training Procedures
- Addressing Complaints
- Construction Site Inspections
- Contractor Education
- Construction Oversight Program
- Construction Site Inventory



New Construction Runoff Requirements

- High Priority Construction Site Inspections
 - Discharges to 303(d) silt/sediment, phosphorus, nitrogen impaired waters
 - >5-acres of disturbance
 - Within 100-feet of a lake or pond
 - Within 50-feet of a river or stream

All other sites are LOW priority.





Construction Runoff Requirements

- Construction Site Inspections
 - Pre-Construction
 - Once per year
 - Prior to construction close-out
 - Notice of Termination must be signed by MS4



MCM 5 Post-Construction Stormwater Management

Post-Construction Requirements

- Detailed Inventory & Tracking (5 yrs. EDP)
- Inspection & Maintenance Program (1 yr. EDP)

Table 9. Inventory of Permanent Stormwater Practices

Stormwater Practice ID	Location	Practice Type ¹	Approximate Date Constructed	Ownership & Maintenance Responsibility	Inspection Frequency
1	Greenville Elementary School	Bioretention	2023	Edgemont UFSD	Twice annually, in spring & fall
2	Seely Elementary School	Bioretention	2023		





MAINTENANCE GUIDANCE

Stormwater Management Practices
March 31, 2017



Level 1: Pond Inlets

Table 2.10.2 Pond Inlets

Problem (Check if Present)	Follow-Up Actions
 <input type="checkbox"/> Inlets are buried, covered or filled with silt, debris, or trash, or blocked by excessive vegetation.	<input type="checkbox"/> If the problem can be remedied with hand tools and done in a safe manner, remove vegetation, trash, woody debris, etc. from blocking inlet structures. <input type="checkbox"/> Other:
 <input type="checkbox"/> Inlets are broken, and, with pieces of pipe or concrete falling into the pond, there is erosion around the inlet, there is open space under the pipe, or there is erosion where the inlet meets the pond	<input type="checkbox"/> Kick-Out to Level 2 or 3 Inspection: If the amount of material is too large to handle OR there are ANY safety concerns about working in standing water, soft sediment, etc., the work will likely have to be performed by a qualified contractor. <input type="checkbox"/> Kick-Out to Level 2 Inspection: These types of structural or erosion problems are more serious and will require a qualified contractor to repair.

From NYSDEC March 31, 2017 Maintenance Guidance Manual for Stormwater Management Practices

MCM 6

Pollution Prevention/Good Housekeeping

Pollution Prevention/Good Housekeeping Requirements

- Develop Pollution Prevention Program
 - Municipal Facilities
 - Municipal Operations
- Self-Assessment every 3 years
- Employee Training

Pollution Prevention/Good Housekeeping Requirements

- List of Best Management Practices, BMPs (5 yrs. EDP)
- Municipal Facility Inventory (2 yrs. EDP)
- Municipal Facility Program (3 yrs. EDP)

Table 12: Inventory of Municipal Facilities (Table under Development and to be Expanded)			
Facility	Address	Prioritization Level	Rationale for Prioritization
Edgemont Union Free School	300 White Oak Lane, Scarsdale NY 10583	Low	No exposure
Edgemont Jr./Sr. High School	200 White Oak Lane, Scarsdale NY 10583	Low	No exposure
Glendale Elementary School	100 Glendale Road, Scarsdale NY 10583	Low	No exposure
Seely Place Elementary School	51 Seely Place Scarsdale, NY 10583	Low	No exposure



Pollution Prevention/Good Housekeeping Requirements

- High Priority Municipal Facilities
 - Chemical, salt, petroleum, pesticides, fertilizers, anti-freeze, lead-acid batteries, tires, waste bulk storage
 - Fueling Stations
 - Vehicle/Equipment Maintenance
- Site Specific SWPPP
- Assessments (once/5 years)
 - Visual outfall monitoring
 - Site assessment





Enhanced Pollution Prevention/Good Housekeeping Requirements

- Annual sweeping of all campus roads starting April 1, 2027
- Update inventory of district facilities with nuisance bird populations
- Starting January 1, 2027 evaluate effectiveness of deterrents, population controls, and other methods that may reduce bird related pathogen contributions
- By January 1, 2027, implement dog waste receptacles on district campuses where pets/domestic animals may frequent



Pollution Prevention/Good Housekeeping Requirements

- Municipal Operations Program (3 yrs. EDP)
 - Annual assessment of O&M practices
- Catch Basin Inspection Program (3 yrs. EDP)
 - Inventory/Inspect all catch basins (5 yrs. EDP)
- Street Sweeping
 - Every 5 years in the spring
 - Annual in business and commercial districts





Questions & Answers

David R. Hanny
Barton & Loguidice
585-325-7190

dhanny@bartonandloguidice.com
www.bartonandloguidice.com

bartonandloguidice.com

APPENDIX I
Annual Stormwater Complaint Summaries

MS4 Stormwater Complaint Report

Complaint Number: _____ **Date/Time Received:** _____

Type: Construction ☐ Post Construction ☐ Illicit Discharge ☐ Drainage ☐

Complaint Received By: _____

Complaint Lodged By:

Name: _____ Phone: _____

Address: _____

Location of Occurrence:

Address: _____

Name of Development: _____

Nature of Complaint: _____

Referred to:

Agency/Department: _____ Date/Time of Referral: _____

Representative: _____

Action Taken: Site Visit ☐ Letter ☐ Call ☐ Referral ☐ Stop Work ☐ Fine ☐

Action Results/Findings: _____

Follow Up Action Needed: Yes ☐ No ☐

If Yes, Describe: _____

Dates of Follow-up Action: _____ **Representative:** _____

Describe Follow-up Action and/or Resolution: _____

Signature of Representative Closing Case: _____

Note: This form should be used to document actions taken in response to complaints lodged by the public concerning stormwater problems. Upon resolution of a complaint, the final person to address the situation should sign off on the form. If an additional inquiry regarding the same issue is made after the case has been closed, it should be treated as a new complaint.

ANNUAL STORMWATER COMPLAINT SUMMARY

Construction Complaints		
Total Number of Complaints	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Outside Agency Referral		
Stop Work Order		
Fine		

Drainage Complaints		
Total Number of Complaints	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Outside Agency Referral		
Repair of Problem		
Fine		

Post-Construction Complaints		
Total Number of Complaints	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Outside Agency Referral		
Stop Work Order		
Fine		

Illicit Discharge Complaints		
Total Number of Complaints	Number Resolved?	
	Yes	No
Action Taken:	Number	
Site Visit		
Phone Call		
Letter		
Outside Agency Referral		
Disconnection		
Fine		

Note: This form should be used by the Stormwater Management Officer to tally total numbers of incoming complaints and their resolution at the end of the reporting year. These numbers should be based upon the information in the individual complaint sheets. Since several actions may be required to resolve a single complaint, actions should be tracked separately from the total number of complaints. Actions include both initial and follow-up actions needed to resolve a given problem, as reflected in the individual stormwater complaint forms.

APPENDIX J
Stormwater Pollution Prevention Plan Review
Tracking Forms and Inspection Checklist

MS4 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) REVIEW TRACKING FORM

Submittal date: _____

Project name and/or description: _____

Proposed location: _____

Owner / developer of property

Name of representative: _____

Company/agency/municipality: _____

Type of project (residential, commercial, utility, road, etc.) _____

How many acres will the project disturb? _____

Number of post-construction stormwater management practices created? _____

SWPPP Preparer

Name: _____

Affiliation: _____

Technical Reviewer

Name: _____

Affiliation: _____

Initial review date: _____

Summarize issues or problems identified with the SWPPP.

Resubmittal dates: _____

Review dates: _____

Summarize how the issues were corrected, addressed, or resolved.

Date of Acceptance: _____ (Must match date on MS4 SWPPP Acceptance Form.)

Note: This form is to be used to document all stages of the Planning Board's SWPPP review process. The Planning Board Secretary should initiate the process by completing the top portion and appending the form to each incoming SWPPP. The remainder of the form should be completed by the Planning Board Chair, in cooperation with the Technical Reviewer. **For a full list of the criteria that must be examined during the review of a SWPPP, refer to NYSDEC's "Stormwater Pollution Prevention Plan Review Checklist", which should be used in conjunction with this form to document all technical and administrative SWPPP requirements.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER**

SPDES General Permit for Stormwater Discharges from Construction Activity
(GP-0-15-002)

Stormwater Pollution Prevention Plan Review Checklist

Project Name:	<input type="checkbox"/> Basic SWPPP (E&SC Plan)	<input type="checkbox"/> Full SWPPP
Site Address:	Watershed:	Date:
MS4 Operator:	Appendix E 303(d) segment:	SPDES General Permit ID Number:
MS4 Permit #:	N/A	NYR1 _____
Owner/Operator:	Phone:	Reviewer:
Address:	Fax:	

Site Priority

HIGH

LOW

Citation

☐
☐

MS4 permit IV.D.6

General Requirements

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		<u>Citation</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP contains completed final NOI	III.A.1.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies potential sources of pollutants in runoff	III.A.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies Trained Contractor.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Contractor/Subcontractor certification statements have been signed.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP is signed by responsible corporate officer, general partner, proprietor, principal executive officer, ranking elected official, or duly authorized representative.	VII.H.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OPRHP documentation	

Erosion & Sediment Control Requirements

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		<u>Citation</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location, type and size of project are described.	III.B.1.a.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Phasing plan and sequence of operations are described.	III.B.1.d.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HSG is identified.	III.B.1.c.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies contractor/subcontractor responsible for installing, constructing, repairing, replacing, inspecting and maintaining the E&SCs.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP documents selection, design, dimensions, material specifications, installation details, implementation & maintenance of E&SCs, including soil stabilization plans	III.A.1. III.B.1.f. III.B.1.h.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E&SCs are designed in conformance with the NYS Standards and Specifications for Erosion and Sediment Control; or equivalence to this standard is demonstrated and reason for the alternative is provided.	III.B.1. III.B.1.i.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maps of general location and site are present showing: Legend, scale, north arrow total area, all improvements, areas disturbed and not disturbed, existing vegetation, onsite and adjacent offsite surface waters, floodplain/floodway boundaries, wetlands and drainage patterns that could be affected the project,	III.B.1.b. III.B.1.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF WATER

SPDES General Permit for Stormwater Discharges from Construction Activity
(GP-0-15-002)

Stormwater Pollution Prevention Plan Review Checklist

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	existing and final contours, locations of soil types & boundaries, material/waste/borrow/equipment storage areas, locations of stormwater discharges, and location/size/length of each E&SC	III.B.1.g.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location and sizing of any temporary sediment basins or structural practices planned to divert flows from exposed soils are included	III.B.1.h.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintenance inspection schedule, in accordance with the NYS Standards & Specs for E&SCs is included	III.B.1.i.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pollution Prevention measures to control litter, chemicals, debris are described.	III.B.1.j.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description & location of any industrial stormwater discharges (i.e., concrete, asphalt, etc.) is included	III.B.1.k.

Post-construction Stormwater Management Practices

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		<u>Citation</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP is prepared by a Qualified Professional.	III.A.3.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP identifies contractor/subcontractor responsible for constructing the SMPs.	III.A.6.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Design Manual planning process for reducing runoff is employed: <u>Site planning</u> to preserve natural features and reduce impervious cover, <u>Calculation of the WQ_v</u> for the site, <u>Incorporation of runoff reduction</u> techniques and standard SMPs with Runoff Reduction Volume (RR _v) capacity, <u>Determine minimum RR_v required</u> , Use of <u>standard SMPs</u> , where applicable, <u>to treat the remaining WQ_v</u> not addressed by runoff reduction techniques and standard SMPs with RR _v capacity, design of <u>volume and peak rate control</u> practices where required	III.B.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SWPPP documents selection, design, installation, implementation and maintenance of SMPs	III.A.1.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SMPs are designed in conformance with the applicable sizing and performance criteria in the NYS Stormwater Management Design Manual (Jan. 2015); or equivalence to this standard is demonstrated and reason for the alternative is provided.	III.B.2. III.B.2.c.vi.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All SMPs are identified, including dimensions, material specs & installation details.	III.B.2.a.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location & size of SMPs are shown on a site map or construction drawing.	III.B.2.b.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The SWPPP includes a <u>Stormwater Modeling and Analysis Report</u> that contains: <ul style="list-style-type: none"> <u>Predevelopment map</u> w/ watershed/subcatchment boundaries, flow paths & design points, (list further detail per App. G Design Manual?) <u>Post-development map</u> showing same plus SMPs, <u>Hydrology & Hydraulics results</u> for required storm events including supporting calculations, methodology and a summary table comparing pre & post-development runoff rates & volumes for the different storm events, <u>Summary table</u> w/ calculations showing that ea. SMP conforms w/ the Design Manual sizing criteria 	III.B.2.c.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF WATER

SPDES General Permit for Stormwater Discharges from Construction Activity
(GP-0-15-002)

Stormwater Pollution Prevention Plan Review Checklist

- Identification of any Design Manual sizing criteria that are not required under the General Permit

<u>Yes</u>	<u>No</u>	<u>N/A or N/R</u>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soil testing results and locations of test pits and borings are included	III.B.2.d.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infiltration test results are included if needed	III.B.2.e.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	O&M plan, including inspection & maintenance schedules, is included and Identifies the responsible entity	III.B.2.f.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Enhanced Phosphorus Removal Standards sizing criteria are included if required.	III.B.3.

APPENDIX K
Post-Construction Stormwater Management Practice Inspection Logs

MS4 POST-CONSTRUCTION STORMWATER PRACTICE INSPECTION LOG

Practice ID#	Location	Type*	Inspection date	Identify maintenance needed	Date work completed	Date maintenance issue closed**

* Types include ponds, wetlands, infiltration and filter systems, open channels, alternative practices. Refer to NYS Stormwater Management Design Manual.

** It will be possible to address some issues immediately without additional followup, but many will require additional visits to determine success of initial repair work.

Note: The Highway Department or Code Enforcement Officer should maintain this form as a summary of each inspection completed. The Operation and Maintenance Log (Appendix G from the New York State Stormwater Management Design Manual) should be referred to for more detailed technical inspection criteria. Each practice within a given development should be listed separately. A separate entry should be used to denote different types of maintenance required for each particular practice.

APPENDIX L
Municipal Facilities Inventory, Monitoring, and Assessments

Edgemont UFSD Municipal Facilities			
Facility Name	Edgemont Jr./Sr. High School	Greenville Elementary School	Seely Place School
Street Address	200 White Oak Lane	51 Seely Place	100 Glendale Road
Type of Facility	High school	Elementary school	Elementary school
Prioritization	Low	Low	Low
Receiving Waterbody Name, WI/PWL Number, & Class	Upper Bronx River and tributaries, 1702-0107, Class C	Upper Bronx River and tributaries, 1702-0107, Class C	Upper Bronx River and tributaries, 1702-0107, Class C
Contact Information	(914) 472-7760	(914) 472-7760	(914) 472-7760
Responsible Department	Edgemont UFSD Facilities	Edgemont UFSD Facilities	Edgemont UFSD Facilities
Location of Site SWPPP (If needed)	N/A	N/A	N/A
Type of Activities Present on Site	Covered salt storage, covered maintenance chemical storage	Athletic field, parking areas	Athletic field, parking areas
Size in Acres	66.3	11.6	13.6
Date of Last Assessment			
BMPs Identified			
Projected Date of Next Comprehensive Assessment			



**Department of
Environmental
Conservation**

**Municipal Facility Assessment Form
For SPDES MS4 General Permit,
GP-0-24-001**

Assessments must be conducted by a person with the knowledge and skills to assess conditions and activities that could impact stormwater quality at the facility and evaluate the effectiveness of best management practices required by the SPDES MS4 General Permit (GP-0-24-001).

MS4 Permit ID:

MS4 Operator Name:

Facility Name:

Facility Type:

Date:

Weather Conditions:

Is stormwater runoff present during this assessment? ☐ Yes ☐ No

Comments:

General

Yes

No

1 Is this a high priority municipal facility?

☐

☐

2 If this is a high priority municipal facility, does the facility qualify for a No Exposure Certification?

☐

☐

3 If this is a high priority municipal facility, is there a completed SWPPP available?

☐

☐

4 Does the facility have any MS4 outfalls?

☐

☐

5 Does the facility have any interconnections?

☐

☐

6 Does the facility have any municipal facility intraconnections?

☐

☐

Comments:

Good Housekeeping

Yes

No

7 Are paved surfaces free of trash, sediment, and/or debris?

☐

☐

8 Date the paved area was last swept or vacuumed.

☐

☐

9 Do outdoor waste receptacles have covers?

☐

☐

10 Are the waste receptacles emptied on a regular basis?

☐

☐

11 Are there signs of leaks, contaminants or overfilling at the waste receptacle area?

☐

☐

12 Are the following facility areas free of accumulated trash, sediment, debris, contaminants, and spills:

☐

☐

- Salt storage areas

☐

☐

- Container storage areas

☐

☐

- Maintenance areas

☐

☐

	- Staging areas	<input type="checkbox"/>	<input type="checkbox"/>																				
	- Material stockpile areas	<input type="checkbox"/>	<input type="checkbox"/>																				
Comments:																							
<u>Vehicle and Equipment Areas</u>		<input type="checkbox"/> <u>N/A</u>	<table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
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<input type="checkbox"/>	<input type="checkbox"/>																						
<input type="checkbox"/>	<input type="checkbox"/>																						
<input type="checkbox"/>	<input type="checkbox"/>																						
13	Are vehicle/equipment parked indoors or under a roof?	<input type="checkbox"/>	<input type="checkbox"/>																				
14	Are vehicles/equipment washed in only designated areas?	<input type="checkbox"/>	<input type="checkbox"/>																				
15	Are vehicles washed regularly to remove contamination and prevent them from polluting stormwater?	<input type="checkbox"/>	<input type="checkbox"/>																				
16	Is all wash water treated in an oil water separator prior to discharge?	<input type="checkbox"/>	<input type="checkbox"/>																				
17	Is all wash water managed so it does not enter the MS4?	<input type="checkbox"/>	<input type="checkbox"/>																				
Comments																							
<u>Vehicle/Equipment Maintenance</u>		<input type="checkbox"/> <u>N/A</u>	<table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>																						
<input type="checkbox"/>	<input type="checkbox"/>																						
<input type="checkbox"/>	<input type="checkbox"/>																						
18	Is equipment stored under shelter or elevated and covered?	<input type="checkbox"/>	<input type="checkbox"/>																				
19	Are fluids drained over a drip pan or pad?	<input type="checkbox"/>	<input type="checkbox"/>																				
20	Are funnels or pumps used when transferring fluids?	<input type="checkbox"/>	<input type="checkbox"/>																				
21	Are waste rags and used absorbent pads disposed of properly?	<input type="checkbox"/>	<input type="checkbox"/>																				
22	Are any vehicles and/or equipment leaking fluids?	<input type="checkbox"/>	<input type="checkbox"/>																				
23	Are drip pans immediately placed under leaks?	<input type="checkbox"/>	<input type="checkbox"/>																				
24	Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	<input type="checkbox"/>	<input type="checkbox"/>																				
25	Are vehicles inspected daily for leaks?																						
Comments:																							
<u>Fueling areas</u>		<input type="checkbox"/> <u>N/A</u>	<table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
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<input type="checkbox"/>	<input type="checkbox"/>																						
<input type="checkbox"/>	<input type="checkbox"/>																						
<input type="checkbox"/>	<input type="checkbox"/>																						
26	Is fueling performed under a canopy or roof?	<input type="checkbox"/>	<input type="checkbox"/>																				
27	Are spill cleanup materials available at the fueling area?	<input type="checkbox"/>	<input type="checkbox"/>																				
28	Are breakaway valves used on fueling hoses?	<input type="checkbox"/>	<input type="checkbox"/>																				
29	Is the fueling handle lock disconnected so the operator must attend the fueling?	<input type="checkbox"/>	<input type="checkbox"/>																				
30	Is stormwater runoff from fueling area treated in an oil/water separator?	<input type="checkbox"/>	<input type="checkbox"/>																				
31	Is the fueling automatic stop inspected regularly to ensure it is working properly?	<input type="checkbox"/>	<input type="checkbox"/>																				
32	Are all fuel deliveries monitored?	<input type="checkbox"/>	<input type="checkbox"/>																				
Comments:																							

<u>Salt Storage Piles or Pile Containing Salt</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
33	Is salt stored in a salt storage building or under a roof?				<input type="checkbox"/>	<input type="checkbox"/>
34	Are controls in place to minimize spills while adding or removing material from the pile?				<input type="checkbox"/>	<input type="checkbox"/>
35	Are salt spills cleaned up promptly?				<input type="checkbox"/>	<input type="checkbox"/>
36	Is overflow and tracked salt removed promptly from loading areas?				<input type="checkbox"/>	<input type="checkbox"/>
37	Is stormwater draining away from the salt pile directed to a vegetated filter area				<input type="checkbox"/>	<input type="checkbox"/>
Comments:						
<u>Fluids Management</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
38	Are all drums and containers of fluids stored with proper cover and containment?				<input type="checkbox"/>	<input type="checkbox"/>
39	Are fluids stored in appropriate containers and/or storage cabinets?				<input type="checkbox"/>	<input type="checkbox"/>
40	Are all fluids kept in original containers or labeled in a manner that describes the contents adequately?				<input type="checkbox"/>	<input type="checkbox"/>
41	Are Material Safety Data Sheets (MSDS/SDS) readily available?				<input type="checkbox"/>	<input type="checkbox"/>
42	Are all containers that are stored free of leaks or deposits?				<input type="checkbox"/>	<input type="checkbox"/>
43	Are containers of product inspected regularly?				<input type="checkbox"/>	<input type="checkbox"/>
44	Is used oil and antifreeze stored indoors and/or on spill containment pallets?				<input type="checkbox"/>	<input type="checkbox"/>
45	Is used oil and antifreeze properly disposed of or recycled?				<input type="checkbox"/>	<input type="checkbox"/>
Comments:						
<u>Lead Acid Batteries</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
46	Are lead-acid batteries stored indoors on spill containment pallets or in bins?				<input type="checkbox"/>	<input type="checkbox"/>
47	Are intact batteries stored on an acid-resistant rack or tub?				<input type="checkbox"/>	<input type="checkbox"/>
48	Are cracked or leaking batteries stored in labeled, closed, leak-proof containers?				<input type="checkbox"/>	<input type="checkbox"/>
49	Is the date each battery was placed in storage recorded?				<input type="checkbox"/>	<input type="checkbox"/>
50	Are batteries stacked more than 5 high?				<input type="checkbox"/>	<input type="checkbox"/>
51	Are batteries inspected regularly for leaks?				<input type="checkbox"/>	<input type="checkbox"/>
Comments:						
<u>Spill Prevention and Response Procedures</u>				<input type="checkbox"/> <u>N/A</u>	Yes	No
52	Are vehicles inspected daily for leaks?				<input type="checkbox"/>	<input type="checkbox"/>

53	Is spill control equipment and absorbents readily available?	<input type="checkbox"/>	<input type="checkbox"/>
54	Are emergency phone numbers posted in conspicuous areas?	<input type="checkbox"/>	<input type="checkbox"/>
55	Are spills contained and cleaned up immediately?	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
<u>General Material Storage Areas</u>		<input type="checkbox"/> <u>N/A</u>	
56	Are leaking or damaged materials stored inside a building or another type of storm resistance shelter?	<input type="checkbox"/>	<input type="checkbox"/>
57	Are all material stockpiles within containment structures (e.g., concrete barriers, earthen berms) or stored in a manner that does not allow discharge of impacted stormwater?	<input type="checkbox"/>	<input type="checkbox"/>
58	Are used fuel tanks and other scrap metal and parts drained of fluids and stored under cover?	<input type="checkbox"/>	<input type="checkbox"/>
59	Are outdoor containers covered?	<input type="checkbox"/>	<input type="checkbox"/>
60	Are piles of spoils, asphalt, debris, etc. stored under a roof or cover?	<input type="checkbox"/>	<input type="checkbox"/>
61	Are spills of material or debris cleaned up promptly?	<input type="checkbox"/>	<input type="checkbox"/>
62	Are used tire storage piles placed away from storm drains or conveyances?	<input type="checkbox"/>	<input type="checkbox"/>
63	Are tires recycled frequently to keep the number of stored tires manageable?	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
<u>Stormwater Management</u>		Yes	No
64	Are employees trained on the municipal facility procedures?	<input type="checkbox"/>	<input type="checkbox"/>
66	Are BMPs and treatment structures working as designed?	<input type="checkbox"/>	<input type="checkbox"/>
67	Are BMPs and treatment structures free from debris buildup or overgrown vegetation that may impair function?	<input type="checkbox"/>	<input type="checkbox"/>
68	Catch basins should be cleaned in accordance with the timeframes listed in Part VI.F.3.c.iii. / Part VII.F.3.c.iii, depending on the MS4 Operator type. Based on this, do any catch basins need to be cleaned?	<input type="checkbox"/>	<input type="checkbox"/>
69	Are berms, curbing or other methods used to divert and direct discharges adequate and in good condition?	<input type="checkbox"/>	<input type="checkbox"/>
70	Are rooftop drains directed to areas away from pavement?	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
<u>Erosion and Sediment Controls</u>		Yes	No
71	Are soil stabilization measures (e.g., seed and mulch, rolled erosion control products) considered in areas that have the potential for significant soil erosion?	<input type="checkbox"/>	<input type="checkbox"/>
72	Are natural buffers maintained around surface waters?	<input type="checkbox"/>	<input type="checkbox"/>
73	Are flow velocity dissipation devices in place at monitoring locations and channel outlets (rock riprap, stone check dams, concrete baffles)?	<input type="checkbox"/>	<input type="checkbox"/>
74	Do controls conform to the NYS Standards and Specifications for Erosion and Sediment Control (2016), or equivalent?	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Corrective Actions and Comment

Describe Inspection findings and if necessary, the corrective actions taken

Inspector Signature

Date:



Department of
Environmental
Conservation

Storm Event Data Form
for SPDES MS4 General Permit,
GP-0-24-001

Do not submit this form to the Department; keep this form with the municipal facility's SWPPP and in the MS4 Operator's SWMP Plan.

Permit Number:

N Y R 2 0 A

Facility Name:

Contact First Name:

Contact Last Name:

Contact Phone:

Contact Email:

Storm Event Date:

Storm Duration (in hours):

Rainfall Measurement from Storm Event (in inches):

Date of Last Measurable Storm Event:

Duration Between Storm Event Sampled and End of Previous Measurable Storm (in hours):

Certification

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.

Facility Operator First Name (please print or type)

/ /

Date

Facility Operator Last Name (please print or type)

Signature



If yes, describe

5. Is there something floating on the surface of the sample? ☐ Yes ☐ No

If yes, describe

6. Is there something suspended in the water column of the sample? ☐ Yes ☐ No

If yes, describe

7. Is there something settled on the bottom of the sample?..... ☐ Yes ☐ No

If yes, describe

8. Is there foam or material forming on the top of the sample surface?..... ☐ Yes ☐ No

If yes, describe

Detail any concerns, corrective actions taken and any other indicators of pollution present in the sample:



**Department of
Environmental
Conservation**

NO EXPOSURE CERTIFICATION

**For High Priority Municipal Facilities
in SPDES MS4 General Permit, GP-0-24-001**

The completed No Exposure Certification must be documented in the SWMP Plan.
Please do not submit this form to the Department unless requested.

I. Owner/Facility Information

Owner/Operator Name:

Mailing Address:

City/State/Zip:

Contact Name:

Phone No.:

Facility Name:

Street Address:

City/State/Zip:

County:

Latitude:

Longitude:

II. Exposure Checklist

Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questions (1) through (11), you are not eligible for no exposure.

YES

NO

1 Using, storing or cleaning machinery or equipment, and areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater

2 Materials or residuals on the ground or in stormwater inlets from spills/leaks

4 Material handling equipment (except adequately maintained vehicles)

5 Materials or products during loading/unloading or transporting activities

6 Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to stormwater does not result in the discharge of pollutants)

7 Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers

8 Materials or products handled/stored on roads or railways owned or maintained by the discharger

9 Waste material (except waste in covered, non-leaking containers [e.g., dumpster])

III. Certification

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from SPDES stormwater permitting. I certify under penalty of law that there are no discharges of storm water contaminated by exposure to industrial activities or materials from the industrial facility or site identified in this document (except as allowed under 40 CFR 122.26(g)(2)). I understand that I am obligated to submit a no exposure certification form upon request to the NPDES permitting authority or to the operator of the local municipal separate storm sewer system (MS4) into which the facility discharges (where applicable). I understand that I must allow the SPDES permitting authority, or MS4 Operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request.

Printed Name:

Title/Position:

Signature:

Date:

APPENDIX M
Catch Basin and Conveyance Inspection and Maintenance Log

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

Date/ Time	Inspector	Weather Conditions	Type of Structure Inspected/Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

CB #

	Date/ Time	Inspector	Weather Conditions	Type of Structure <u>Inspected</u> /Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action
1	7/29	SLGM	SUNNY, HOT, DRY	CB	depth ~ 4 ft good connected to CB 2		no
2					depth ~ 3 ft good condition connected to CB 2, 3		no
3					depth ~ 3 ft good condition connected to CB 2		No
4					depth ~ 4 ft connected to CB 5, road, field good		no
5					depth ~ 5 ft connected to CB 4		No
6					depth ~ 6 ft connected to 7 good		no
7					depth ~ 3 ft connected to 4, 7 good		no

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

CB 10

	Date/Time	Inspector	Weather Conditions	Type of Structure Inspected/Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action
8	7/29	SLGM	Sun/cloud mix HOT DRY	CB	~1 ft depth good connects to culvert		no
9					~3 ft depth concrete		no
10					~3 ft PVC inlet pipe from cluster		no
11					~1 ft depth near field PVC pipe visible downhill flows to 12		no
12					~15 ft depth, steel 2 large PVC pipe connections		no
13					buried	buried	buried
14					6-8 ft depth concrete outlet pipe towards outfall E-001		no

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

CB#	Date/ Time	Inspector	Weather Conditions	Type of Structure Inspected/Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action
15	7/29	SLGM	mix cloud sun not dry	CB	buried	buried	buried
16					~10 ft depth concrete connections		no
17					~10 ft depth concrete connections		no
18					~1 ft, shallow sediment in bottom broken inlet pipe		
19					connected to CB 1, 2, 3 ~4 ft depth		
20					connects to CB 21, ultimately CB 9		
21					connects to CB 22 ultimately connects to CB 9		

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

CBH

22

23

24

25

26

27

Date/ Time	Inspector	Weather Conditions	Type of Structure Inspected/Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action
7/29	SLM	mix SN/ CLOUD, HOT DRY	CB	shallow, connects to CB 01 through CB 23		no
				shallow, connects to CB 9		no
				connects to CB 23		no
				connects to 24, ultimately CB 9		No
				connects to 25, ultimately CB 9		No
				connects to CB 27, ultimately CB 9		No

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed: <u>Bronx River, upper (1702-0107)</u>		Outfall ID: <u>E-001</u>	
Today's date: <u>7/29/24</u>		Time (Military): <u>12:55</u>	
Investigators: <u>SCM</u>		Form completed by: <u>SCM</u>	
Temperature (°F):	Rainfall (in.):	Last 24 hours:	Last 48 hours:
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input checked="" type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: <u>High school (athletic field)</u>	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input checked="" type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input checked="" type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____', ____"	Ft, In	Tape measure
	Measured length	____', ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely
 ☐ Potential (presence of two or more indicators)
 ☐ Suspect (one or more indicators with a severity of 3)
 ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

LOOKS GOOD

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed: <u>UPPER BRONX RIVER 1702-0107</u>		Outfall ID: <u>E-002</u>	
Today's date: <u>7/29/24</u>		Time (Military):	
Investigators: <u>SLGM</u>		Form completed by:	
Temperature (°F): <u>83</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial <input type="checkbox"/> Ultra-Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial		<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Institutional Other: <u>HIGH SCHOOL</u> Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Earthen <input checked="" type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely
 ☐ Potential (presence of two or more indicators)
 ☐ Suspect (one or more indicators with a severity of 3)
 ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: G-1 G-CB-1

Inspection Date: 7/29

Address: Greenville

Weather Conditions: Mixed clouds/sun hot

☒ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: _____ feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: 4 feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☒ No

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☒ Good ☐ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☒
If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☒
If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☒ No

Sample of Water Collected for Analysis? ☐ Yes ☒ No

Comments: interconnection between Greenville MS4 & town. connected to G-CB-2 & G-CB-3. interconnection pipe facing NE along Glendale Rd. All pipes black corrugated plastic, ~12-15 in. wide.

Inspector's Name: _____



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: G-2 G-CB-2

Inspection Date: _____

Address: Greenville

Weather Conditions: _____

☐ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: _____ feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: 4 feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☒ No

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☒ Good ☐ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☒
If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☒
If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☒ No

Sample of Water Collected for Analysis? ☐ Yes ☒ No

Comments: connected only to greenville CB-1. interconnected to town through
Greenville CB-1. No direct town interconnections. connected via black corrugated
plastic pipe, ~12 in wide

Inspector's Name: SLM



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: G-CB-3

Inspection Date: 7/29

Address: Greenville

Weather Conditions: _____

☐ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: _____ feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: 4 feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☒ No

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☒ Good ☐ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☒
If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☒
If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☒ No

Sample of Water Collected for Analysis? ☐ Yes ☒ No

Comments: connects to G-CB-1. No other connections, collects sheet flow from parking lot. Corrugated pvc/black plastic pipe, ~12 in wide

Inspector's Name: SLM



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: G-CB-4

Inspection Date: _____

Address: Greenville parking loop
below playground

Weather Conditions: _____

☐ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: _____ feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: 3 feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☒ No

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☒ Good ☐ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☒
If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☒
If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☐ No

Sample of Water Collected for Analysis? ☐ Yes ☐ No

Comments: would collect sheet flow from parking loop & sidewalk. Potentially from road
in major events. Green coated town interconnections along Ardsley. No direct connection
to outfall.

Inspector's Name: _____



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: G-CB-5

Inspection Date: _____

Address: Greenville staff parking loop

Weather Conditions: _____

☐ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: _____ feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: 3 feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☐ No recommended, debris in pipe

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☐ Good ☒ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☒
If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☒
If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☒ No

Sample of Water Collected for Analysis? ☐ Yes ☒ No

Comments: Connected to G-CB-4. Potential for road sheet flow in major events. Curbed sidewalk prevents normal road intermingled sheet flow. No other direct connections. Green coated ~ 10 in pipe.

Inspector's Name: _____



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: G-CB-6

Inspection Date: _____

Address: Greenville

Weather Conditions: _____

☐ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: 2 feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: _____ feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☒ No

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☒ Good ☐ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☒
If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☒
If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☒ No

Sample of Water Collected for Analysis? ☐ Yes ☒ No

Comments: ~12 in black plastic pipe. Believed to be directing adjacent residential flows. Potential daylighting location noted on map.

Inspector's Name: _____

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed: <u>Bronx River</u>		Outfall ID: <u>G-001</u>	
Today's date: <u>7/29</u>		Time (Military): <u>14:00</u>	
Investigators: <u>SLGM</u>		Form completed by: <u>SLGM</u>	
Temperature (°F): <u>80</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: _____	Longitude: _____	GPS Unit: _____	GPS LMK #: _____
Camera: _____		Photo #s: _____	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input checked="" type="checkbox"/> Institutional	
<input type="checkbox"/> Suburban Residential		Other: <u>elementary school</u>	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): <u>Believed to be rooftop drains from school</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Other: <u>clay</u>	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: <u>13'</u> Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	box retention wall broken away from pipe
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

☐ Unlikely
 ☐ Potential (presence of two or more indicators)
 ☐ Suspect (one or more indicators with a severity of 3)
 ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

recommended repair to box retention wall



Catch Basin Inspection and Cleaning Form

4-25-2019

CB ID#: S-CB-2

Inspection Date: _____

Address: Seely

Weather Conditions: _____

☐ Dry more than 24 hours ☐ Wet

A. Depth to Sediment: _____ feet

B. Depth to Bottom of Basin: _____ feet

C. Depth to Lowest Invert: 5 feet

D. Depth of Sump (B - C): _____ feet

E. Depth of Sediment (B - A): _____ feet

Is Depth of Sediment (E) > 50% of Depth of Sump (D)? ☐ Yes ☒ No

Is Cleaning Required? ☐ Yes ☒ No

Cleaning Method Used:

☐ Clam-Shell ☐ Vacuum Truck ☐ No Cleaning ☐ Other: _____

Catch Basin Condition: ☐ Good ☐ Fair ☐ Poor ☐ Crumbling

Unusual Water Color? Yes ☐ No ☐

If yes, describe in comments below.

Unusual Odor? Yes ☐ No ☐

If yes, describe in comments below.

Observations:

☐ Foam ☐ Oil Sheen ☐ Bacterial Sheen ☐ Orange Staining
☐ Sanitary Waste ☐ Floatables ☐ Pet Waste ☐ Optical Enhancers
☐ Excessive Sediment ☐ Other: _____

Sample of Screenings Collected for Analysis? ☐ Yes ☒ No

Sample of Water Collected for Analysis? ☐ Yes ☒ No

Comments: ~~Three~~ ^{four} connections: one across field towards Seely Pl; one smooth pvc from front of school, one smooth metal towards S-CB-1; one metal from across field towards access driveway.
 → corrugated black plastic

Inspector's Name: _____

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

Date/ Time	Inspector	Weather Conditions	Type of Structure Inspected/Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action
# 1			CB	2ft depth 2 ^{inputs} interconnections from rooftop drains SCB3	negligible	W/L
# 3			CB	2ft depth 4 inputs; 2 rooftop drains SCB 4		
# 5			CB	1 outlet near rock stairs → plastic 2ft depth		
# 6			CB	1 outlet on grass hill plastic; 2ft depth		Outlet protection: riprap, gravel, etc
# 7			CB	1 outlet to #8 plastic 4 ft depth		
# 8			CB	connection to #7 @ 90° from #7 both plastic ~3-4 ft depth		
# 9			CB	1 outlet towards SCB2 2ft depth black plastic	~15-20%	potential need for cleaning

Catch Basin/Conveyance Structure Inspection and Maintenance Log
Edgemont Union Free School District

#10



Date/ Time	Inspector	Weather Conditions	Type of Structure Inspected/Cleaned	General Condition of Structure	Sediment Accumulation (%)	Required Cleaning, Maintenance, or Corrective Action
			CB	minor debris, 2 connections one from front of school (no nearby rooftops) &	minor	
				One rooftop drain connected out stairs. both plastic, small		
				pipes ~6-10 in diameter		

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed: <u>Bronx River, Upper</u>		Outfall ID: <u>5001</u>	
Today's date: <u>7/29/24</u>		Time (Military): <u>15:19</u>	
Investigators: <u>SCM</u>		Form completed by: <u>SCM</u>	
Temperature (°F): <u>82</u>	Rainfall (in.): Last 24 hours: _____ Last 48 hours: _____		
Latitude: _____	Longitude: _____	GPS Unit: _____	GPS LMK #: _____
Camera: _____		Photo #s: _____	
Land Use in Drainage Area (Check all that apply):			
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Ultra-Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial		<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Institutional Other: <u>elementary school</u> Known Industries: <u>N/A</u>	
Notes (e.g., origin of outfall, if known): <u>elem. school surface & roof drainage</u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	[Hatched Box]
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	Liter	Bottle	
	Time to fill	Sec		
<input type="checkbox"/> Flow #2	Flow depth	In	Tape measure	
	Flow width	____', ____"	Tape measure	
	Measured length	____', ____"	Tape measure	
	Time of travel	S	Stop watch	
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely
 ☐ Potential (presence of two or more indicators)
 ☐ Suspect (one or more indicators with a severity of 3)
 ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool	
3. Intermittent flow trap set?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

sediment cleanout recommended

APPENDIX N
Data Required for MS4 Annual Report

MS4 Interim Progress Certification—6 Month Requirements

version 1.0

(Submission #: HQ5-V16M-S1ZD9, version 1)

Details

Originally Started By David Hanny

Alternate Identifier NYR20A406

Submission ID HQ5-V16M-S1ZD9

Status Draft

Form Input

MS4 Operator Information

Municipality Name or Legal Entity Name
Edgemont Union Free School District

Permit ID #:
NYR20A406

MS4 Operator Type
Non-traditional

Non-Traditional
School District

Traditional Non-Land Use or Non-Traditional

Traditional non-land use and non-traditional MS4 Operator requirements are found in Part VII of the MS4 General Permit.

Legal Municipal/Entity Mailing address

300 White Oak Lane
Scarsdale, NY 10583
Westchester

Ranking Official

Official Title	First and Last Name	Phone	Email
Other: Director of Facilities	Rosario Renda	914-472-7767	rrenda@edgemont.org

Report Preparer

Report Preparer Title	First and Last Name	Phone	Email
Other: Environmental Consultant	Dave Hanny	5853257190	dhanny@bartonandloguidice.com

Stormwater Program Coordinator

Coordinator Title	First and Last Name	Phone	Email
Stormwater Program Coordinator	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED

Part I-V**MS4 General Permit Resources**

Use the following webpages for more information on the permit and fact sheet:

[MS4 Permit Webpage](#)

[MS4 Toolbox](#)

Part II

Obtaining Permit Coverage

Has a complete Notice of Intent (NOI) been submitted? (Part II.A.)

NONE PROVIDED

Part IV

Administrative

Has a written staffing/organizational chart, which includes job titles and other entities as identified in Part IV.A.1, and the roles and responsibilities for each, corresponding to the required elements of the SWMP been developed? (Part IV.A.2.)

NONE PROVIDED

SWMP Plan

Has the current SWMP Plan, and any documentation associated with the implementation of the SWMP Plan, been made available during normal business hours? (Part IV.B.2.a.)

NONE PROVIDED

Is a copy of the current SWMP Plan available for public inspection during normal business hours at a location that is accessible to the public, or on a public website? (Part IV.B.2.b.)

NONE PROVIDED

Mapping

Are the required components included in the comprehensive system mapping? (Part IV.D.1.)

NONE PROVIDED

Legal Authority

Has adequate legal authority been maintained? (Part IV.E.)

NONE PROVIDED

Enforcement Measures & Tracking

Has an enforcement response plan (ERP) which clearly describes the action(s) to be taken for violations that the MS4 Operator has enacted for illicit discharge been developed? (Part IV.F.1.)

NONE PROVIDED

Has an enforcement response plan (ERP) which clearly describes the action(s) to be taken for violations that the MS4 Operator has enacted for construction been developed? (Part IV.F.1.)

NONE PROVIDED

Has an enforcement response plan (ERP) which clearly describes the action(s) to be taken for violations that the MS4 Operator has enacted for post-construction been developed? (Part IV.F.1.)

NONE PROVIDED

Please enter any comments related to the questions in this section below:

NONE PROVIDED

Part VI & VII

Minimum Control Measure 1

Has information related to the prevention of illicit discharges been made available? (Part VI/VII.A.1.d.)

NONE PROVIDED

Minimum Control Measure 2

Has a local point of contact to receive and respond to public concerns regarding stormwater management and compliance with permit requirements been identified? (Part VI/VII.B.1.c.)

NONE PROVIDED

Minimum Control Measure 3

Has an email or phone number to allow the public to report illicit discharges been established? (Part VI/VII.C.1.a.i.)

NONE PROVIDED

Minimum Control Measure 4

Has an email or phone number to allow the public to report complaints related to construction stormwater activity been established? (Part VI/VII.D.2.a.)

NONE PROVIDED

Has a construction site inventory been developed? (Part VI/VII.D.4.a.)

NONE PROVIDED

Minimum Control Measure 5

Has the inventory of post-construction stormwater management practices (SMPs) been maintained from previous iterations of this SPDES general permit? (Part VI/VII.E.2.a.i.)

NONE PROVIDED

Has the inventory of post-construction stormwater management practices (SMPs) been developed as they are approved/discovered or after the owner/operator of the construction activity has filed the Notice of Termination? (Part VI/VII.E.2.a.ii.)

NONE PROVIDED

Minimum Control Measure 6

Have procedures for sweeping and/or cleaning of municipal streets, bridges, parking lots, and right of ways been developed? (Part VI/VII.F.3.d.i.)

NONE PROVIDED

Please enter any comments related to the questions in this section below:

NONE PROVIDED

Part VIII

Does the MS4 Operator discharge to an impaired water listed in Appendix C of GP-0-24-001?

Yes

For which pollutant(s) is the waterbody impaired? Select the pollutants for all the impaired waters listed in Appendix C of GP-0-24-001 to which the MS4 Operator discharges.

NONE PROVIDED

Please enter any comments related to the questions in this section below:

NONE PROVIDED

Part IX

Does the MS4 Operator discharge to a TMDL listed in Table 3 of GP-0-24-001?

NONE PROVIDED

Please enter any comments related to the questions in this section below:

NONE PROVIDED

Compliance Schedule Review

Compliance Schedule Resources

Use the following links for more information on the permit and compliance schedule:

[MS4 Permit Webpage](#)

[MS4 Toolbox](#)

What is the status for compliance items due within one year of effective date of coverage (EDC), January 2, 2025?

Citation	Compliance Items	Compliance Progress
Part VI/VII.D.3.	Develop and implement a construction oversight program	NONE PROVIDED
Part VI/VII.D.5.a.	Prioritize construction sites	NONE PROVIDED
Part VI/VII.E.4.	Develop and implement a post-construction stormwater management practice inspection and maintenance program	NONE PROVIDED
Part VIII.C.7.b.iv.	Evaluate the effectiveness of deterrents, population controls, and other measures that may reduce bird related pathogen contributions	NONE PROVIDED
Part VIII.C.7.c.	Make dog waste receptacles available in areas where pets/domestic animals may frequent	NONE PROVIDED
Part IX.A.6.f.i.a. and IX.B.6.f.i.a.	Submit to the Department a retrofit plan that identifies the required components	NONE PROVIDED

Have you reviewed compliance items due within two years of EDC, January 2, 2026?

NONE PROVIDED

Have you reviewed compliance items due within three years of EDC, January 2, 2027?

NONE PROVIDED

Have you reviewed compliance items due within four years of EDC, January 2, 2028?

NONE PROVIDED

Have you reviewed compliance items due within five years of EDC, January 2, 2029?

NONE PROVIDED

Have you reviewed compliance items which need to be completed routinely (annually, every five (5) years, etc.)?

NONE PROVIDED

Please enter any comments related to the questions in this section.

NONE PROVIDED

Certification

I am the ranking elected official or Principal Executive Officer for the MS4 Operator and will be signing the form electronically.
NONE PROVIDED

APPENDIX O
Wildlife Control Best Management Practice Inventory and Tracking

APPENDIX P
Implementation Goals Tracking

Edgemont UFSD MCM 1 Public Education and Outreach Implementation Goals		
Implementation Goal	Deadline	Status
Make information related to illicit discharge prevention available to municipal employees, businesses, & the public & document completion in the SWMP	7/3/2024	Information available at: https://www.edgemont.org/departments/facilities-clone/water-quality-testing-and-lab-reports
Make available information on how the impairment is being addressed by implementation of the MS4 Operator’s legal mechanism equivalent to the model local law	7/3/2024	Complete – See Section 6.1 & 7.0 in SWMP
Identify and document the focus areas in the SWMP	1/1/2027	Complete – See Section 4.0 in SWMP
Identify & document target audiences & associated pollutant generating activities that the outreach & education will address for each focus area	1/1/2027	Underway – See Section 4.0 in SWMP, addtl targeted education opportunities to be evaluated
Identify & document in SWMP the education and outreach topics. Identify how education and outreach topics will reduce the potential for pollutants to be generated by the target audiences for the focus areas	1/1/2027	Underway – See Section 4.0 in SWMP, addtl targeted education opportunities to be evaluated
Identify & document methods for distributing educational materials	Once every 5 years	Underway – See Section 4.0 in SWMP, addtl targeted education opportunities to be evaluated
Deliver educational message to each target audience for each focus area based on defined education & outreach topics	Once every 5 years	Underway – See Section 4.0 in SWMP, addtl targeted education opportunities to be evaluated
Provide educational messages twice annually with information specific to reduction of phosphorus and fecal coliform loading within sewersheds discharging to impaired waterbodies	Begin by 1/1/27	Pending following completion of mapping updates
Review & update focus areas, target audiences, and educational and outreach topics & document in SWMP	Annually, by 4/1	To be assessed annually as part of SWMP Review
Make available information on how pathogen (fecal coliform) impairments are being addressed by implementation of Edgemont UFSD’s legal enforcement mechanism	Annually, by 4/1	Underway– See Section 4.0 in SWMP
Provide educational messages twice annually with information specific to reduction of fecal coliform loading within sewersheds discharging to impaired waterbodies	Begin by 1/1/27	Pending following completion of mapping updates
Edgemont UFSD MCM 2 Public Involvement and Participation Implementation Goals		
Implementation Goals	Deadline	Status
Provide an opportunity for public involvement and implementation of the SWMP & document in the SWMP	Annually, by 4/1	Complete: SWMP is available at 200 White Oak Lane, Scarsdale NY 10583
Inform public of opportunity for involvement/participation in development & implementation of the SWMP and how to become involved		
Provide opportunity for public to review & comment on publicly available SWMP		Draft Annual Reports will be available available on the Edgemont UFSD website (https://www.edgemont.org) and at 200 White Oak Lane, Scarsdale NY 10583
Provide an opportunity for public to review & comment on draft Annual Report		
Include summary of comments received on SWMP & draft Annual Report in SWMP Plan.		To be completed annually based on comments received.
Update SWMP, where appropriate, based on public input received	Within 30 days of receiving public input	

Edgemont UFSD MCM 3 Illicit Discharge Detection and Elimination Goals		
Implementation Goal	Deadline	Status
Document each report of an illicit discharge in the SWMP	Within 30 days of an illicit discharge	To be completed as illicit discharges are identified.
Develop & maintain an inventory of the monitoring locations in the SWMP	1/1/2027	Complete – to be updated based on revised SCMC Outfall Mapping.
Update inventory if monitoring locations are created or discovered	Annually, by 4/1	To be completed as new outfalls are identified.
Prioritize monitoring locations included in the inventory	1/1/2027	Complete – to be updated based on revised SCMC Outfall Mapping.
Update prioritization	Annually, by 4/1	Reviewed Annually
Develop & implement monitoring location inspection and sampling program	1/1/2026	Completed – provided by MCDES
Inspect each monitoring location in inventory during dry weather	All locations complete every 5 years	Underway – based on scheduling provided by MCDES
Provide training on MS4 Operator monitoring location & sampling procedures	Once every 5 years	To be developed by MCDES
Update names, titles, contact info for individuals who received location inspection & sampling procedures training	Annually, by 4/1	Reviewed Annually
Review & update monitoring location sampling procedures based on monitoring results	1/1/2026	To be developed
Develop & implement illicit discharge track down program	1/1/2026	Completed – provided by MCDES
Provide training on MS4 Operator's illicit discharge track down procedures	Once every 5 years	To be developed by MCDES
Update names, titles, contact info of those that have received track down procedures training	Update annually, by 4/1	Reviewed Annually
Review & update illicit discharge track down procedures & document completion in SWMP	Annually, by 4/1	Reviewed Annually
Develop and implement an illicit discharge elimination program	1/1/2026	Completed
Provide training on the MS4 Operator's illicit discharge elimination procedures	Once every 5 years	To be developed by MCDES
Update names, titles, and contact info for the individuals who have received illicit discharge elimination procedures training	Annually, by 4/1	Reviewed Annually
Review & update the illicit discharge elimination procedures, & document the completion in the SWMP Plan	Annually, by 4/1	Reviewed Annually
Include in the outfall inventory the number of each pollutant source identified in Section 3.3 for each associated outfall	1/1/2029	To be developed following completion of enhanced impaired waters mapping requirements.

Edgemont UFSD MCM 4 Construction Site Runoff Control Goals

Implementation Goal	Deadline	Status
Develop and implement a construction oversight program	1/1/2025	Complete – refer to Section 7.6
Provide training on the MS4 Operator's construction oversight procedures	Once every 5 years	To be Developed
Update names, titles, and contact info for the individuals who have received construction oversight training	Annually, by 4/1	To be Reviewed Annually
Review and update the construction oversight procedures and document the completion in the SWMP Plan	Annually, by 4/1	To be Reviewed Annually
Develop and maintain an inventory of all applicable construction sites in the SWMP Plan	7/1/2024	Complete – Refer to Appendix J.
Update the inventory if construction projects are approved or completed.	Annually, by 4/1	To be Reviewed Annually
Prioritize all construction sites which are included in the construction site inventory	1/1/2025	Complete – Refer to Appendix J.
Update prioritization based on information gathered during construction oversight program	Annually	To be Reviewed Annually
Ensure construction site inspectors & those reviewing/accepting SWPPPs receive 4-hour DEC endorsed training in erosion & sediment control	1/1/2027	Complete - To be verified during SWPPP review & construction inspection process.
Update names, titles, and contact information for the individuals who have received the 4-hour erosion and sediment control training	Annually, by 4/1	To be Reviewed 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	Annually, by 4/1	To be Reviewed Annually
Ensure a pre-construction meeting is conducted prior to commencement of construction activities	Prior to start of construction activities	Schedule based on future construction activities Documentation to be provided in Appendix M
Ensure a final construction site inspection is conducted and documentation of the final construction site inspection must be maintained in the SWMP Plan	As construction activities are completed	

Edgemont UFSD MCM 5 Post-Construction Stormwater Implementation Goals

Implementation Goal	Deadline	Status
Update inventory of post-construction SMPs	Annually, by 4/1	Complete – Refer to Table above.
Update inventory of post-construction SMPs to include street address or tax parcel, type, receiving waterbody & class, receiving waterbody WI/PWI Segment ID, date of installation or discovery, ownership, responsible party for maintenance, contact info for maintenance, location of O&M requirements/legal agreements, frequency for inspection, reason for installation if known, last inspection, inspection results, & any corrective actions needed/completed.	1/1/2029	To be Developed
Develop & implement post-construction SMP inspection/maintenance program	1/1/2025	To be Developed
Provide training on MS4 Operator's post-construction SMP inspection/maintenance program	Once every 5 years	To be Developed
Update names, titles, contact info of those that received post-construction SMP training	Annually, by 4/1	To be reviewed annually
Review & update post construction SMP inspection/maintenance procedures & document in SWMP	Annually, by 4/1	To be reviewed annually

Edgemont UFSD MCM 6 Pollution Prevention and Good Housekeeping Goals

Implementation Goal	Deadline	Status
Incorporate BMPs into municipal facility & municipal operations programs	1/1/2027	Under Development
Develop & implement municipal facility program	1/1/2027	
Provide training on municipal facility procedures	Once every 5 years	
Update names, titles, contact information for those that received municipal facility training	Annually, by 4/1	To be reviewed Annually
Develop and maintain an inventory of all municipal facilities in the SWMP Plan	1/1/2026	Under Development
Update the inventory if new municipal facilities are added	Annually	To be reviewed Annually
Prioritize all known municipal facilities	1/1/2027	Under Development
Develop and implement a municipal facility specific SWPPP for each high priority municipal facility and retain a copy of the municipal facility specific SWPPP on site	1/1/2029	
Conduct wet weather visual monitoring of the monitoring locations and other sites of stormwater leaving the high priority facility	1/1/2029	
Complete a comprehensive site assessment for each high priority municipal facility as identified in the inventory	1/1/2029	
Complete a comprehensive site assessment for each low priority municipal facility as identified in the inventory	1/1/2029	
Develop and implement a municipal operations program	1/1/2027	
Provide training on the MS4 Operator's municipal operations procedures	Once every 5 years	
Update the names, titles, and contact information for the individuals who have received municipal operation training	Annually, by 4/1	To be reviewed Annually
Review and update the municipal operations procedures and document the completion in the SWMP Plan	Annually, by 4/1	To be reviewed Annually
Inventory catch basin inspection information	1/1/2027	Under Development
Identify when catch basin inspection is necessary with consideration for construction sites, land use area, recurring/history of issues, or confirmed complaints	1/1/2027	
Catch basins which has trash, sediment, and/or debris exceeding 50% of the depth of the sump as a result of a catch basin inspection must be cleaned out	6 months after catch basin inspection	Contingent upon catch basin inspection schedule
Catch basins which had trash, sediment, and/or debris at less than 50% of the depth of the sump as a result of a catch basin inspection must be cleaned out	1 year after catch basin inspection	
All roads, bridges, parking lots, and right of ways must be swept and/or cleaned in the spring	Once every 5 years	Currently being conducted
Pave/mark/seal in dry conditions; stage road operations to reduce potential discharge; restrict use of herbicides/pesticides; contain pollutants associated with bridge maintenance	1/1/2029	Under Development

Routinely calibrate equipment to control salt/sand application; ensure routine snow disposal activities comply with Division of Water Technical & Operation Guidance Series 5.1.11	1/1/2029	Under Development
Sweep all district campus roads located in sewersheds which discharging to impaired waters. Roadways exempt from this requirement are outlined in Section 9.7.	1/1/2027	Under Development, to be initiated following completion of enhanced impaired waters mapping requirements
Initiate actions to repair all MS4 outfall protection and/or bank stability problems identified during MS4 outfall inspections.	Annually, by 4/1	Currently being conducted
Keep an inventory of district operated facilities with nuisance bird populations that have the potential to contribute pathogens (e.g., Canada Geese). Maintain signage at these facilities instructing the public not to feed wildlife.	Annually, by 4/1	Currently being conducted
Remove accumulated trash and debris from district-operated facilities, as needed, to eliminate potential food sources for wildlife.	Annually, by 4/1	Currently being conducted
Evaluate the effectiveness of deterrents, population controls, and other measures that may reduce bird related pathogen contributions	1/1/2025	Under Development
Post signage at school district property that dogs are not allowed on school district campuses	1/1/2025	Currently being conducted

APPENDIX Q
Historical Annual and Interim Progress Reports

MS4 Annual Report Cover Page

MCC form for period ending March 9, 2023

This cover page must be completed by the report preparer.
Joint reports require only one cover page.

SPDES ID

N Y R 2 0 A 4 0 6

Choose one:

☒ This report is being submitted on behalf of an individual MS4.

Fill in SPDES ID in upper right hand corner.

Name of MS4

EDGEMONT UFSD

OR

☐ This report is being submitted on behalf of a Single Entity

(Per Part II.E of GP-0-10-002)

Name of Single Entity

OR

☐ This is a joint report being submitted on behalf of a coalition.

Provide SPDES ID of each permitted MS4 included in this report. Use page 2 if needed.

Name of Coalition

SPDES ID

N Y R 2 0 A

SPDES ID

N Y R 2 0 A

SPDES ID

N Y R 2 0 A

SPDES ID

N Y R 2 0 A

SPDES ID

N Y R 2 0 A

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MS4 Annual Report Cover Page**MCC form for period ending March 9, 2023**

Provide SPDES ID of each permitted MS4 included in this report.

SPDES ID

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MCC form for period ending March 9, 2023

EDGEMONT UFSD

NYR20A406

[illegible]

MS4 Municipal Compliance Certification(MCC) Form**MCC form for period ending March 9,** 2023

Name of MS4 EDGEMONT UFSD

SPDES ID

NYR20A406

Section 2 - Contact Information

Important Instructions - Please Read

Contact information must be provided for each of the following positions as indicated below:

1. Principal Executive Officer, Chief Elected Official or other qualified individual (per GP-0-08-002 Part VI.J).
2. Duly Authorized Representative (Information for this contact must only be submitted if a Duly Authorized Representative is signing this form)
3. The Local Stormwater Public Contact (required per GP-0-08-002 Part VII.A.2.c & Part VIII.A.2.c).
4. The Stormwater Management Program (SWMP) Coordinator (Individual responsible for coordination/implementation of SWMP).
5. Report Preparer (Consultants may provide company name in the space provided).

A separate sheet must be submitted for each position listed above unless more than one position is filled by the same individual. If one individual fills multiple roles, provide the contact information once and check all positions that apply to that individual.

If a new Duly Authorized Representative is signing this report, their contact information must be provided and a signature authorization form, signed by the Principal Executive Officer or Chief Elected Official must be attached.

For each contact, select all that apply:

- ☐ Principal Executive Officer/Chief Elected Official
☐ Duly Authorized Representative
☒ Local Stormwater Public Contact
☒ Stormwater Management Program (SWMP) Coordinator
☒ Report Preparer

First Name

ROSARO

MI

Last Name

REDA

Title

DIRECTOR OF FACILITIES

Address

300 WHITE OAK LANE

City

SCASDALE

State

NY

Zip

1 0 5 8 3

-

eMail

RREDA@EDGEMONT.ORG

Phone

(9 1 4) 4 7 2 - 7 7 6 7

County

WESTCHESTER

MS4 Municipal Compliance Certification (MCC) Form

MCC form for period ending March 9, 2023

Name of MS4 | EDGEMONT UFSD

SPDES ID

N	Y	R	2	0	A	4	0	6
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Section 3 - Partner Information

Did your MS4 work with partners/coalition to complete some or all permit requirements during this reporting period? ☒ Yes ☐ No

☐ Yes ☒ No

If Yes, complete information below.

Submit a separate sheet for each partner. Information provided in other formats will not be accepted. If your MS4 cooperated with a coalition, submit one sheet with the name of the coalition. It is not necessary to include a separate sheet for each MS4 in the coalition.

If No, proceed to Section 4 - Certification Statement.

Partner/Coalition Name

[illegible]

Partner/Coalition Name (con't.)

SPDES Partner ID - If applicable

N	Y	R	2	0				
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Address

[illegible]

City

State

Zip

[illegible]

eMail

[illegible]

Phone

$$\left(\begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} \right) \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} - \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array}$$

Legally Binding Agreement in accordance
with GP-0-08-002 Part IV.G? ☐ Yes

☐ Yes ☐ No

What tasks/responsibilities are shared with this partner (e.g. MM1 School Programs or Multiple Tasks)?

[illegible][illegible][illegible][illegible][illegible][illegible]

Additional tasks/responsibilities

- *Watershed Improvement Strategy Best Management Practices* required for MS4s in impaired watersheds included in GP-0-08-002 Part IX.

MS4 Municipal Compliance Certification(MCC) Form

MCC form for period ending March 9, 2023

Name of MS4 EDGEMONT UFSD

SPDES ID

NYR20A406

Section 4 - Certification 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 gathered and evaluated 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, 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."

This form must be signed by either a principal executive officer or ranking elected official, or duly authorized representative of that person as described in GP-0-08-002 Part VI.J.

First Name

ROSAIO

MI

Last Name

RENDA

Title (Clearly print title of individual signing report)

DIRECTOR OF FACILITIES

Signature

Date

08

/ 09

/ 20

23

The annual report form and any attachments can be sent to the DEC Central Office clicking the Submit Form link below, or by sending it directly to: MS4compliance@dec.ny.gov. All submissions must include the SPDES ID in the title and must be complete before hitting the Submit Form link below:

Submit Form

If unable to submit electronically, hardcopy submissions can be sent to:

Bureau of Water Compliance
Division of Water
4th Floor
625 Broadway
Albany, New York 12233-3505

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

Water Quality Trends

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s are contributed to this report?

1. Has this MS4/Coalition produced any reports documenting water quality trends related to stormwater? If not, answer No and proceed to Minimum Control Measure One.

☐ Yes ☒ No

If Yes, choose one of the following

- ☐ Report(s) attached to the annual report
- ☐ Web Page(s) where report(s) is/are provided below

Please provide specific address of page where report(s) can be accessed - not home page.

URL

[illegible]

URL

[illegible]

URL

[illegible]

URL

[illegible]

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Minimum Control Measure 1. Public Education and Outreach

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2023		
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGE	MONT	UFSD			
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SPDES ID

NYR	20A	406			
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3. What strategies did your MS4/Coalition use to achieve education and outreach goals during this reporting period? Check all that apply:

☐ Construction Site Operators Trained

Trained

--	--	--	--	--

☐ Direct Mailings

Mailings

--	--	--	--	--

☐ Kiosks or Other Displays

Locations

--	--	--	--	--

☐ List-Serves

In List

--	--	--	--	--

☐ Mailing List

In List

--	--	--	--	--

☐ Newspaper Ads or Articles

Days Run

--	--	--	--	--

☐ Public Events/Presentations

Attendees

--	--	--	--	--

☒ School Program

Attendees

--	--	--	--	--

☐ TV Spot/Program

Days Run

--	--	--	--	--

☐ Printed Materials:

Total # Distributed

--	--	--	--	--

Locations (e.g. libraries, town offices, kiosks)

☒ Other:

STAFF MEETINGS

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

☐ Web Page: Provide specific web addresses - not home page. Continue on next page if additional space is needed.

URL

URL

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

ALL CONSTRUCTION AND FUTURE CONSTRUCTION WILL STORM WATER
MANAGEMENT WILL BE COMPLY WITH APPLICABLE REGS

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.**C. How many times was this observation measured or evaluated in this reporting period?**

	1		
--	---	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?
☒ Yes ☐ No
E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?
☒ Yes ☐ No
F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

CONTINUE TO MONITOR AND MITIGATE AS NEEDED. WE WILL DEVELOP STORM
WATER STRATAGIES WITH FUTURE CONSTRUCTION

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition	EDGEMONT UFSD
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SPDES ID

NYR20A406					
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Minimum Control Measure 2. Public Involvement/Participation

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?	
---	--

1. What opportunities were provided for public participation in implementation, development, evaluation and improvement of the Stormwater Management Program (SWMP) Plan during this reporting period? Check all that apply:

- | | | |
|---|---------------|-------|
| <input type="radio"/> Cleanup Events | # Events | |
| <input type="radio"/> Comments on SWMP Received | # Comments | |
| <input type="radio"/> Community Hotlines | Phone # | () - |
| Phone # (0) - | Phone # () - | |
| Phone # (0) - | Phone # () - | |
| Phone # (0) - | Phone # () - | |
| Phone # (0) - | Phone # () - | |
| Phone # (0) - | Phone # () - | |
| <input type="radio"/> Community Meetings | # Attendees | |
| <input type="radio"/> Plantings | Sq. Ft. | |
| <input type="radio"/> Storm Drain Markings | # Drains | |
| <input type="radio"/> Stakeholder Meetings | # Attendees | |
| <input type="radio"/> Volunteer Monitoring | # Events | |
| <input type="radio"/> Other: | | |

2. Was public notice of availability of this annual report and Stormwater Management Program (SWMP) Plan provided? ☒ Yes

☒ Yes ☐ No

- | | | | | | |
|---|------------|--|--|--|--|
| <input type="radio"/> List-Serve | # In List | | | | |
| <input type="radio"/> Newspaper Advertising | # Days Run | | | | |
| <input type="radio"/> TV/Radio Notices | # Days Run | | | | |
| <input type="radio"/> Other: | | | | | |

- Web Page URL: Enter URL(s) on the following two pages.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPIDES ID blank.

Name of MS4/Coalition	EDGEMONT UFSD
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SPDES ID

NYR20A406				
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2. URL(s) con't.:

Please provide specific address(es) where notice(s) can be accessed - not home page.

URL

[illegible]

URL

[illegible]

URL

[illegible]

URL

[illegible]

URL

[illegible]

URL

[illegible]

URL

[illegible]

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPIDES ID blank.

Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

2. URL(s) con't.:

Please provide specific address(es) where notices can be accessed - not home page.

URL

[illegible]

URL:

[illegible]

URL

[illegible]

URL

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[illegible]

URL.

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition EDGEMONT UFSD

SPDES ID

NYR20A406

3. Where can the public access copies of this annual report, Stormwater Management Program SWMP) Plan and submit comments on those documents?

Enter address/contact info and select radio button to indicate which document is available and whether comments may be submitted at that location. Submit additional pages as needed.

☒ MS4/Coalition Office

☒ Annual Report ☒ SWMP Plan ☒ Comments

Department

EDGEMONT BUSINESS OFFICE

Address

300 WHITE OAK LANE

City

SCASDALE

Zip

1 0 5 8 3 -

Phone

(9 1 4) 4 7 2 - 7 7 6 7

☐ Library

☐ Annual Report ☐ SWMP Plan ☐ Comments

Address

City

Zip

Phone

(0) 0 -

☐ Other

☐ Annual Report ☐ SWMP Plan ☐ Comments

Address

City

Zip

Phone

(0) 0 -

☒ Web Page URL:

☐ Annual Report ☐ SWMP Plan ☐ Comments

EDGEMONT.ORG

Please provide specific address of page where report can be accessed - not home page.

☐ eMail

☐ Comments

RRENDAC@EDGEMONT.ORG

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	3		
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGE MONT UFSD

SPDES ID

NYR20A406

4.a. If this report was made available on the internet, what date was it posted?

Leave blank if this report was not posted on the internet.

0	
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 /

0	
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 /

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4.b. For how many days was/will this report be posted?

--	--	--

If submitting a report for single MS4, answer 5.a.. If submitting a joint report, answer 5.b..

5.a. Was an Annual Report public meeting held in this reporting period?

☐ Yes ☒ No

If Yes, what was the date of the meeting?

0	
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0	
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 /

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If No, is one planned?

☐ Yes ☒ No

5.b. Was an Annual Report public meeting held for all MS4s contributing to this report during this reporting period?

☐ Yes ☒ No

If No, is one planned for each?

☐ Yes ☒ No

6. Were comments received during this reporting period?

☐ Yes ☒ No

If Yes, attach comments, responses and changes made to SWMP in response to comments to this report.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition EDGEMONT UFSD

SPDES ID

NYR20A406

7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

THE EDGEMONT COMMUNITY IS VERY ACTIVE IN THE PRESERVATION OF ITS GROUNDS AND GREEN SPACES

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.
C. How many times was this observation measured or evaluated in this reporting period?

1

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

COLLABERATEION WITH A&E TO ENSURE CORRECT STROM WATER MANAGEMENT

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition	EDGEMONT UFSD
-----------------------	---------------

SPDES ID

NYR20A406

Minimum Control Measure 3. Illicit Discharge Detection and Elimination

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report?

1. Enter the number and approx. percent of outfalls mapped:

--	--	--	--	--

并

100

%

2. How many of these outfalls have been screened for dry weather discharges during this reporting period (outfall reconnaissance inventory)?

	1	
--	---	--

3.a. What types of generating sites/sewersheds were targeted for inspection during this reporting period?

- ☐ Auto Recyclers
 - ☒ Building Maintenance
 - ☐ Churches
 - ☐ Commercial Carwashes
 - ☐ Commercial Laundry/Dry Cleaners
 - ☐ Construction Vehicle Washouts
 - ☐ Cross-Connections
 - ☐ Distribution Centers
 - ☐ Food Processing Facilities
 - ☐ Garbage Truck Washouts
 - ☐ Hospitals
 - ☐ Improper RV Waste Disposal
 - ☐ Industrial Process Water
 - ☐ Other:
 - ☒ Landscaping (Irrigation)
 - ☐ Marinas
 - ☐ Metal Plateing Operations
 - ☐ Outdoor Fluid Storage
 - ☒ Parking Lot Maintenance
 - ☐ Printing
 - ☐ Residential Carwashing
 - ☐ Restaurants
 - ☒ Schools and Universities
 - ☐ Septic Maintenance
 - ☐ Swimming Pools
 - ☐ Vehicle Fueling
 - ☒ Vehicle Maint./Repair Shops
 - ☐ None

[illegible]

○ Sewersheds:

[illegible]

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition	EDGEMONT UFSD
-----------------------	---------------

SPDES ID

NYR20A406

3.b. What types of illicit discharges have been found during this reporting period?

- ☐ Broken Lines From Sanitary Sewer ☐ Industrial Connections
☐ Cross Connections ☐ Inflow/Infiltration
☐ Failing Septic Systems ☐ Pump Station Failure
☐ Floor Drains Connected To Storm Sewers ☐ Sanitary Sewer Overflows
☐ Illegal Dumping ☐ Straight Pipe Sewer Discharges
☐ Other: _____ ☒ None

[illegible]

4. How many illicit discharges/potential illegal connections have been detected during this reporting period?

	0	
--	---	--

5. How many illicit discharges have been confirmed during this reporting period?

	0	
--	---	--

6. How many illicit discharges/illegal connections have been eliminated during this reporting period?

	0	
--	---	--

7. Has the storm sewershed mapping been completed in this reporting period?

☒ Yes ☐ No

If No, approximately what percent was completed in this reporting period?

[illegible]

8. Is the above information available in GIS?

☐ Yes ☒ No

Is this information available on the web?

☐ Yes ☒ No

If Yes, provide URL(s):

Please provide specific address of page where map(s) can be accessed - not home page.

URL.

[illegible]

URL

[illegible]

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

8. URL(s) con't.:

Please provide specific address of page where map(s) can be accessed - not home page

[illegible][illegible][illegible][illegible][illegible]

- 11. What percent of staff in relevant positions and departments has received IDDE training?**

MCM 3 Page 3 of 4

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

12. Evaluating Progress Toward Measurable Goals MCM 3

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

WE PROACTIVLY MONITOR AND ALL OTHER OPERATIONAL RESPONSABILIEIES INCLUDING ANY DISCHARGE.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.
C. How many times was this observation measured or evaluated in this reporting period?

1

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

WE HAVE PROTOCOL TO PRESERVE THE LOCAL ENVIRONMENT

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

Minimum Control Measures 4 and 5.
Construction Site and Post-Construction Control

The information in this section is being reported (check one):

☒ On behalf of an individual MS4

☐ On behalf of a coalition

How many MS4s contributed to this report?

--	--	--

1a. Has each MS4 contributing to this report adopted a law, ordinance or other regulatory mechanism that provides equivalent protection to the NYS SPDES General Permit for Stormwater Discharges from Construction Activities?

☐ Yes ☒ No

1b. Has each Town, City and/or Village contributing to this report documented that the law is equivalent to a NYSDEC Sample Local Law for Stormwater Management and Erosion and Sediment Control through either an attorney certification or using the NYSDEC Gap Analysis Workbook?

☐ Yes ☐ No ☒ NT

If Yes, Towns, Cities and Villages provide date of equivalent NYS Sample Local Law.

☐ 09/2004 ☐ 03/2006 ☒ NT

2. Does your MS4/Coalition have a SWPPP review procedure in place?

☐ Yes ☒ No

3. How many Construction Stormwater Pollution Prevention Plans (SWPPPs) have been reviewed in this reporting period?

0	
---	--

4. Does your MS4/Coalition have a mechanism for receipt and consideration of public comments related to construction SWPPPs?

☐ Yes ☐ No ☒ NT

If Yes, how many public comments were received during this reporting period?

--	--	--

5. Does your MS4/Coalition provide education and training for contractors about the local SWPPP process?

☐ Yes ☒ No

6. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

<input type="radio"/> Notices of Violation	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr></table>						<input checked="" type="radio"/> No Authority
<input type="radio"/> Stop Work Orders	#	<table border="1"><tr><td></td><td>0</td><td></td><td></td><td></td></tr></table>		0				<input type="radio"/> No Authority
	0							
<input type="radio"/> Criminal Actions	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr></table>						<input checked="" type="radio"/> No Authority
<input type="radio"/> Termination of Contracts	#	<table border="1"><tr><td></td><td>0</td><td></td><td></td><td></td></tr></table>		0				<input type="radio"/> No Authority
	0							
<input type="radio"/> Administrative Fines	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr></table>						<input checked="" type="radio"/> No Authority
<input type="radio"/> Civil Penalties	#	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr></table>						<input checked="" type="radio"/> No Authority
<input type="radio"/> Administrative Orders	#	<table border="1"><tr><td></td><td>0</td><td></td><td></td><td></td></tr></table>		0				<input type="radio"/> No Authority
	0							
<input type="radio"/> Enforcement Actions or Sanctions	#	<table border="1"><tr><td></td><td>0</td><td></td><td></td><td></td></tr></table>		0				
	0							
<input type="radio"/> Other	#	<table border="1"><tr><td></td><td>0</td><td></td><td></td><td></td></tr></table>		0				<input type="radio"/> No Authority
	0							

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition EDGEMONT UFSD

SPDES ID

NYR20A406

Minimum Control Measure 4. Construction Site Stormwater Runoff Control

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

--	--	--

1. How many construction projects have been authorized for disturbances of one acre or more during this reporting period?

	0	
--	---	--

2. How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period?

	0	
--	---	--

3. What percent of active construction sites were inspected during this reporting period? ☒ NT

	0	
--	---	--

 %

4. What percent of active construction sites were inspected more than once?

☒ NT

	0	
--	---	--

 %

5. Do all inspectors working on behalf of the MS4s contributing to this report use the NYS Construction Stormwater Inspection Manual?

☐ Yes ☐ No ☒ NT

6. Does your MS4/Coalition provide public access to Stormwater Pollution Prevention Plans (SWPPPs) of construction projects that are subject to MS4 review and approval?

☐ Yes ☐ No ☒ NT

If your MS4 is Non-Traditional, are SWPPPs of construction projects made available for public review?

☐ Yes ☒ No

If Yes, use the following page to identify location(s) where SWPPPs can be accessed.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	2	3
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Name of MS4/Coalition

EDGE MONT UFSD

SPDES ID

NYR20A406

7. Evaluating Progress Toward Measurable Goals MCM 4

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

ARCHITECTURAL PLANS ARE DESIGNED TO MINIMIZED RUNOFF DURING AND AFTER COSTRUCTION.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

PAST PROJECTS POSED NO PROBLEMS RELATING TO RUNOFF

C. How many times was this observation measured or evaluated in this reporting period?

	1		
--	---	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

THERE ARE CONTROL MEASURES IN PLACE WHEN CONSTRUCTION IS ONGOING

MS4 Annual Report Form

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Name of MS4/Coalition	EDGEMONT UFSD
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SPDES ID

NYR20A406

Minimum Control Measure 5. Post-Construction Stormwater Management

The information in this section is being reported (check one):

- ☐ On behalf of an individual MS4
- ☐ On behalf of a coalition

How many MS4s contributed to this report?

1. How many and what type of post-construction stormwater management practices has your MS4/Coalition inventoried, inspected and maintained in this reporting period?

	# Inventoried	# Inspections	# Times Maintained
<input type="radio"/> Alternative Practices	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Filter Systems	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Infiltration Basins	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Open Channels	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Ponds	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Wetlands	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> Other	<input type="text"/>	<input type="text"/>	<input type="text"/>

2. Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☐ Yes ☒ No

☐ Yes ☒ No

3. What types of non-structural practices have been used to implement Low Impact Development/Better Site Design/Green Infrastructure principles?

- ☒ Building Codes ☐ Municipal Comprehensive Plans
☐ Overlay Districts ☐ Open Space Preservation Program
☐ Zoning ☒ Local Law or Ordinance
☐ None ☒ Land Use Regulation/Zoning
☐ Watershed Plans ☒ Other Comprehensive Plan

☐ Other:

[illegible]

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

- 4a. Are the MS4s contributing to this report involved in a regional/watershed wide planning effort?
☐ Yes ☒ No
- 4b. Does the MS4 have a banking and credit system for stormwater management practices?
☐ Yes ☒ No
- 4c. Do the SWMP Plans for each MS4 contributing to this report include a protocol for evaluation and approval of banking and credit of alternative siting of a stormwater management practice?
☐ Yes ☒ No
- 4d. How many stormwater management practices have been implemented as part of this system in this reporting period?

	0	
--	---	--
5. What percent of municipal officials/MS4 staff responsible for program implementation attended training on Low Impace Development (LID), Better Site Design (BSD) and other Green Infrastructure principles in this reporting period?

	0	
--	---	--

 %

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

EDGEMONT UFSD																			
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SPDES ID

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6. Evaluating Progress Toward Measurable Goals MCM 5

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

MONITOR CATCH BASINS TO CATCH SURFACE WATER AND RUNOFF

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

ALL CATCH BASINS ARE CLEANED AND FREE OF OBSTRUCTION

C. How many times was this observation measured or evaluated in this reporting period?

	1			
--	---	--	--	--

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

☒ Yes ☐ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

☒ Yes ☐ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

CONTINUE TO MONITOR AND MAINTAIN THE CATCH BASINS SO THEY OPERATE AS PLANNED.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

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Name of MS4/Coalition EDGEMONT UFSD

SPDES ID

NYR20A406

Minimum Control Measure 6. Stormwater Management for Municipal Operations

The information in this section is being reported (check one):

- ☒ On behalf of an individual MS4
☐ On behalf of a coalition

How many MS4s contributed to this report?

- 1. Choose/list each municipal operation/facility that contributes or may potentially contribute Pollutants of Concern to the MS4 system. For each operation/facility indicate whether the operation/facility has been addressed in the MS4's/Coalition's Stormwater Management Program(SWMP) Plan and whether a self-assessment has been performed during the reporting period. A self-assessment is performed to: 1) determine the sources of pollutants potentially generated by the permittee's operations and facilities; 2) evaluate the effectiveness of existing programs and 3) identify the municipal operations and facilities that will be addressed by the pollution prevention and good housekeeping program, if it's not done already.**

Self-Assessment
Operation/Activity/Facility
performed within the past 3

<u>Operation/Activity/Facility</u>	<u>Addressed in SWMP?</u>		<u>years?</u>	
Street Maintenance.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Bridge Maintenance.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Winter Road Maintenance.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Salt Storage.....	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Solid Waste Management.....	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
New Municipal Construction and Land Disturbance..	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Right of Way Maintenance.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Marine Operations.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Hydrologic Habitat Modification.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Parks and Open Space.....	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Municipal Building.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Stormwater System Maintenance.....	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Vehicle and Fleet Maintenance.....	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Other.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

NYR20A406

2. Provide the following information about municipal operations good housekeeping programs:

☒ Parking Lots Swept (Number of acres X Number of times swept)

Acres

		5		
--	--	---	--	--

☐ Streets Swept (Number of miles X Number of times swept)

Miles

--	--	--	--	--

☒ Catch Basins Inspected and Cleaned Where Necessary

#

	2	5		
--	---	---	--	--

☐ Post Construction Control Stormwater Management Practices
Inspected and Cleaned Where Necessary

#

--	--	--	--	--

☐ Phosphorus Applied In Chemical Fertilizer

Lbs.

--	--	--	--	--

☒ Nitrogen Applied In Chemical Fertilizer

Lbs.

2	0	0	0	
---	---	---	---	--

☐ Pesticide/Herbicide Applied

Acres

0				
---	--	--	--	--

(Number of acres to which pesticide/herbicide was applied X Number of times applied to the nearest tenth.)

3. How many stormwater management trainings have been provided to municipal employees during this reporting period?

--	--	--	--	--

4. What was the date of the last training?

		/			/				
--	--	---	--	--	---	--	--	--	--

5. How many municipal employees have been trained in this reporting period?

--	--	--

6. What percent of municipal employees in relevant positions and departments receive stormwater management training?

--	--	--

 %

MS4 Annual Report Form

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Name of MS4/Coalition

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SPDES ID

NYR20A406

7. Evaluating Progress Toward Measurable Goals MCM 6

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

MONITOR CB SO STROM WATER FLOWS CORRECTLY

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

NO FLOODING OBSERVED AROUND CB DURING RAIN EVENTS

C. How many times was this observation measured or evaluated in this reporting period?

1

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

● Yes ○ No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

● Yes ○ No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

PROMOTE STAFF AWAREMNESS AND ENSURE FUTURE CONSTRUCTION MEETS ALL REGS FOR STROM WATER MANAGEMENT

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2023

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Name of MS4/Coalition

SPDES ID

Additional Watershed Improvement Strategy Best Management Practices

The information in this section is being reported (check one):

☐ On behalf of an individual MS4

☐ On behalf of a coalition

How many MS4s contributed to this report?

MS4s must answer the questions or check NA as indicated in the table below.

MS4 Description	Answer	Check NA	(POC)
NYC EOH Watershed	-	-	-
Traditional Land Use	1,2,3,4,5,6,7a-d,8a,8b,9	10,11,12	Phosphorus
Traditional Non-Land Use	1,2,3,4,7a-d,8a,8b,9	5,10,11,12	Phosphorus
Non-Traditional	1,2,77a-d,8a,8b,9	3,4,5,10,11,12	Phosphorus
Onondaga Lake Watershed	-	-	-
Traditional Land Use	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Non-Traditional	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Greenwood Lake Watershed	-	-	-
Traditional Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Oyster Bay	-	-	-
Traditional Land Use	1,4,7a-d,9,10,11,12	2,3,5,6,8a,8b	Pathogens
Traditional Non-Land Use	1,4,7a-d,9,10,11,12	2,3,5,6,8a,8b	Pathogens
Non-Traditional	1,4,7a-d,9	2,3,4,5,8a,8b,10,11,12	Pathogens
Peconic Estuary	-	-	-
Traditional Land Use	1,4,7a-d,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Traditional Non-Land Use	1,4,7a-d,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Non-Traditional	1,4,7a-d,8a,9	2,3,4,5,8b,10,11,12	Pathogens and Nitrogen
Oscawana Lake Watershed	-	-	-
Traditional Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
LI 27 Embayments	-	-	-
Traditional Land Use	1,2,3,4,7a-d,9,10,11,12	5,6,8a,8b	Pathogens
Traditional Non-Land Use	1,2,3,4,7a-d,9,10,11,12	5,6,8a,8b	Pathogens
Non-Traditional	1,2,3,4,7a-d,9	5,6,8a,8b,10,11,12	Pathogens

1. Does your MS4/Coalition have an education program addressing impacts of phosphorus/nitrogen/pathogens on waterbodies?

☐ Yes ☐ No ☒ N/A

2. Has 100% of the MS4/Coalition conveyance system been mapped in GIS?

☐ Yes ☐ No ☒ N/A

If N/A, go to question 3.

If No, estimate what percentage of the conveyance system has been mapped so far.

%

Estimate what percentage was mapped in this reporting period.

%

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

20	23		
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

EDGEMONT UFSD																			
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SPDES ID

NYR20A406									
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3. Does your MS4/Coalition have a Stormwater Conveyance System (infrastructure) Inspection and Maintenance Plan Program? ☐ Yes ☐ No ☒ N/A

4. Estimate the percentage of on-site wastewater treatment systems that have been inspected and maintained or rehabilitated as necessary in this reporting period?

	0	
--	---	--

 %

5. Has your MS4/Coalition developed a program that provides protection equivalent to the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001) to reduce pollutants in stormwater runoff from construction activities that disturb five thousand square feet or more? ☐ Yes ☐ No ☒ N/A

6. Has your MS4/Coalition developed a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre that provides equivalent protection to the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001), including the New York State Stormwater Design Manual Enhanced Phosphorus Removal Standards? ☐ Yes ☐ No ☒ N/A

7a. Does your MS4/Coalition have a retrofitting program to reduce erosion or phosphorus/nitrogen/pathogen loading? ☐ Yes ☐ No ☒ N/A

7b. How many projects have been sited in this reporting period?

	0	
--	---	--

7c. What percent of the projects included in 7b have been completed in this reporting period?

--	--	--

 %

7d. What percent of projects planned in previous years have been completed?

--	--	--

 %

☒ No Projects Planned

8a. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper fertilizer application on municipally owned lands? ☒ Yes ☐ No ☐ N/A

8b. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper disposal of grass clippings and leaves from municipally owned lands? ☒ Yes ☐ No ☐ N/A

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

EDGEMONT UFSD

SPDES ID

N	Y	R	2	0	A	4	0	6				
---	---	---	---	---	---	---	---	---	--	--	--	--

9. Has your MS4/Coalition developed and implemented a program of native planting?

☐ Yes ☒ No ☐ N/A

10. Has your MS4/Coalition enacted a local law prohibiting pet waste on municipal properties and prohibiting goose feeding?

☐ Yes ☐ No ☒ N/A

11. Does your MS4/Coalition have a pet waste bag program?

☐ Yes ☐ No ☒ N/A

12. Does your MS4/Coalition have a program to manage goose populations?

☐ Yes ☒ No ☐ N/A

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