



**Environmental
Protection**

Rohit T. Aggarwala
Commissioner

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Deputy Commissioner
Bureau of Water Supply
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November 30, 2023

USPS Tracking No:

Ethan Sullivan
MS4 Permit Coordinator
Division of Water
4th Floor
625 Broadway
Albany, NY 12233-3505

**Re: New York City Department of Environmental Protection,
2023 MS4 Interim Report Submittal Permit # NYR20A529**

Dear Mr. Sullivan

Pursuant to the requirements of the New York State Department of Environmental Conservation (NYSDEC) SPDES General Permit for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4), we are transmitting to you the attached documents as summarized below:

- MS4 Interim Report for permit # NYR20A529

If you require any additional information or clarification, please do not hesitate to contact me at (914) 749-5344 or brennerw@dep.nyc.gov.

Sincerely,

William Brenner

William Brenner
Compliance Manager, WTO QA
Bureau of Water Supply

Progress Report for Part IX.A

Permit #	NYR20A529	Watershed Name	East of Hudson
MS4 Name	NYCDEP East of Hudson BWS	Reporting Period Ending (mm/dd/yyyy)	0 9 / 0 9 / 2 0 2 3

Watershed Improvement Strategy

Describe the strategy to reduce the discharge of phosphorous to this waterbody. Include new sources that may have been identified and any modifications to the strategy to better address new sources.

DEP's reduction of phosphorus discharges through out East of Hudson water bodies continues to be our main goal. Personnel are following responsible maintenance protocols at their facilities and property, as well as responding quickly to spills until the HazMat team arrives. They also provide assistance and oversee cleanup activities, and assist with investigating any illicit discharges within the watershed. We constantly strive to improve our routine maintenance practices of facility properties, roadways, storm drains, and retention ponds.

DEP demolished two structures, Highland and Sherwood, within the watershed during this period and have two scheduled, Amawalk and Boyds Corner, scheduled for 2024.

Public Education & Outreach

1. Description of the education program

MS4 training continues to be provided to employees on an annual basis. Educational materials on Understanding the Phosphorus Issue, and many others, is available to the public on the DEP MS4 website as well as 7 locations throughout the watershed. DEP also prepares two different newsletters for its employees. One is titled "Pipeline" which is a weekly letter from the Agency and the second is the "Tributary" which is a monthly publication provided to BWS by the Deputy Commissioner. DEP makes available a wide variety of informational brochures to the public through the NYCDEP MS4 website.

2. Who is the target audience and what is the message delivered to each target audience?

The target audience for these publications are the DEP employees and the general public in the BWS watershed and adjacent properties. The message delivered is protection of water quality through proper maintenance of facilities, land and property management, detection and eliminating spills, preventive maintenance and appreciation of the water resources that pass through the watershed communities, and public and private property owners that may indirectly affect drinking water or other watercourses.

3. Identify how many educational materials have been developed and distributed 7

4. Identify how many educational materials have been developed and distributed that focus on:

a. understanding the Phosphorous issues 1

b. Septic systems as a source of Phosphorus 1
 Non-Traditional MS4

c. Phosphorous concerns with fertilizer use 1

d. Phosphorous concerns with grass clippings and leaves entering the MS4 1

e. Construction sites as a source of Phosphorus 1

f. Phosphorous concerns with detergent use 1

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5. Education plan and goals for the next 6 months

DEP will continue to distribute literature through public events and online. At present time, normal public use of the reservoirs and walking paths has increased within the watershed. All material is still available to the public through the DEP's MS4 website and the 5 locations throughout the watershed and 2 information boards. DEP employees will continue to participate in events such as local fishing days, sportsman expositions and reservoir clean ups. Employees will also continue to participate in the yearly MS4 PowerPoint Classes updated in 2023.

Illicit Discharge Detection and Elimination

Non-Traditional MS4 (Skip Question 6-6e)

6. Number of On-Site Wastewater Treatment Systems (OWTS) with a design capacity of less than 1000 gpd that are located in sewersheds that drain to the listed waterbody _____

a. Number of OWTS inspected in this reporting _____

b. Number of OWTS in need of maintenance or rehabilitation _____

c. Number of OWTS where maintenance or rehabilitation has been performed in this reporting period. _____

d. State the plan for OWTS that have not been addressed in 6c this reporting period

e Describe the OWTS inspection program: Who is responsible for performing OWTS inspections? (eg:Septage Haulers, DOH, engineer, consultant); What methods are used? Are there trends in systems that need maintenance vs systems that need rehabilitation?

7. Number of Illicit Discharges detected within sewershed of listed waterbody in this reporting period. _____ 0

a. Number reported in 7 that have been eliminated _____ 0

b. List of Illicit Discharge locations that have not been eliminated in this reporting period and the target date for elimination

Location	Target Date (mmddyyyy)
<input style="width: 100%;" type="text"/>	___/___/_____
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PERMIT #

Location

Target Date (mmddyyyy)
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Construction Site Stormwater Runoff Control

Non-Traditional MS4 (Skip Question 8)

8. Number of SWPPPs reviewed and approved during this reporting period

9. Number of active construction sites within sewersheds of impaired waterbody during this reporting period:

a. Number of sites reported in 9 that are between 5000 sqft and 1 acre

b. Number of sites inspected in this reporting period

c. Number of sites in need of corrective action

d. Number of sites where corrective action was completed in this reporting period

e. Discuss inspections. Discuss trends that may have been observed in this reporting period. State reasoning for not inspecting all active construction sites. (if applicable)

Active construction sites are inspected weekly at a minimum and follow NYSDEC inspection protocol.

10. Construction Site Stormwater Runoff Control plan and goals for the next 6 months

Continue inspections per NYDEC requirements.

Post Construction Stormwater Management

11. Number of Stormwater Management Practices (SMPs) located in sewersheds that drain to the listed waterbody

a. Number reported in 11 that have been inspected in this reporting period

b. Number of SMPs in need of maintenance or rehabilitation

c. Number of SMPs where maintenance or rehabilitation has been performed in this reporting period.

d. Number of SMPs where phosphorous pollutant problems have been identified.

e. Number reported in 11d where the pollutant problem has been addressed.

f. Who is responsible for performing SMP inspections?

DEP Regulatory and Operations staff SMP Inspections.

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g. Is the criteria in Ch 5, 6, and 10 of the NYS Stormwater Management Design Manual being applied? (If no, please describe deviations) Y N

h. State procedures to identify sites with post construction controls that are not functioning as designed (ie, rill erosion, pollutant bypass)?

Our sites have been functioning properly from March through September 2023. Sites which are not functioning properly will be addressed by the Storm water Programs Section.

12. Describe the retrofit program. Include the funding sources and design description of retrofits. Identify all retrofits that have been constructed and maintained during this reporting period.

DEP's retrofit program goal is to reduce phosphorus loading by 10kg/yr through November 2023. This goal has been achieved. Funding for the retrofit program are secured through the City's capital and expense budgets. Shaft 10 is still scheduled to begin some time in FY'24. The Storm water Program Group has been in contact with a contractor for the job.

13. Post-Construction Stormwater Management plan and goals for the next 6 months

Pond and outfall inspections will continue to be conducted to ensure that there are no issues.

Municipal Operations Pollution Prevention/Good Housekeeping

Non-Traditional MS4 (Skip Question 14)

14. Number of catch basin and manhole sumps within sewersheds discharging to listed waterbody _____

a. Number reported in 14 that have been inspected in this reporting period _____

b. Number reported in 14a cleaned in this reporting period _____

15. Number of conveyance system outfalls within sewersheds discharging to listed waterbody 4 9

a. Number reported in 15 that have been inspected in this reporting period. 1 2

b. Number reported in 15a maintained in this reporting period. 0

c. Number reported in 15a repaired in this reporting period. 0

16. Amount by weight in pounds of turf fertilizer containing phosphorous that was applied on municipally owned lands in this reporting period. 0

17. Describe turf management practices implemented during this reporting period. Include strategies implemented to introduce native plants to reduce fertilization and mowing

Turf is mowed at all DEP facilities, aqueducts, culverts and various other locations. Fertilizer is not used at any location. Native trees and shrubs are planted any time replacements are needed. If planting occurs, all are checked throughout the year to make sure they are thriving.

MS4 Semi Annual Report Form CertificationSemi Annual Report form for period ending

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 (MMDDYYYY)Name of MS4

NYCDEP East of Hudson, BWS

SPDES ID

NYR20A	5	2	9
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Certification Statement - MS4 Official (Principal Executive Officer or Ranking Elected Official) or a Duly Authorized Representative of the MS4 Official

"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 of 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-0-15-003 Part VI.J.

First Name

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Last Name

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Title (Clearly print title of individual signing report)

D	e	p	u	t	y		C	o	m	m	i	s	s	i	o	n	e	r	,		B	W	S																	
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Signature



Date

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Send completed form and any attachments to the DEC Central Office at:

MS4 Permit Coordinator
 Division of Water
 4th Floor
 625 Broadway
 Albany, New York 12233-3505