



November 16, 2020

USPS Tracking No:

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

Vincent Sapienza, PE
Commissioner

Paul V. Rush, P.E.
Deputy Commissioner
Bureau of Water Supply
prush@dep.nyc.gov

Re: **New York City Department of Environmental Protection,
2020 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

Due to the outbreak of COVID-19 the numbers we are showing are either lower than usual or zero. In the case of page one, all educational material is on hand and additional material has been prepared for future use. Material is updated and available online.

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

William Brenner
Compliance Manager, WTO QA
Bureau of Water Supply

Digitally signed by
William Brenner
Date: 2020.11.16
14:21:35 -0500

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)	09 / 09 / 2020

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 strategy to reduce phosphorus utilizes employee training and continued maintenance of our facilities. Yearly training is provided. DEP investigates and ensures that any reportable spills that occur within the watershed with the potential to affect DEP lands or reservoirs are promptly addressed. Retrofits for storm water runoff continue to be maintained and developed. One new retrofit is currently under construction and is almost complete.

DEP continues to work towards identifying and demolishing abandoned structures within the Croton watershed, returning the property back to a natural state.

Public Education & Outreach

1. Description of the education program

MS4, chemical and petroleum bulk storage program training continues to be conducted with employees on an annual basis. Educational materials on phosphorus are available to the public on the DEP MS4 website and at the four locations in the watershed. DEP prepares two different newsletters for its employees titled "Pipeline" which is a weekly letter and the "Tributary" which is a monthly publication. The Tributary focuses on BWS watershed protection and activities. DEP makes available all newsletters to the public through the NYCDEP 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 0

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

a. understanding the Phosphorous issues 0

b. Septic systems as a source of Phosphorus 0
 Non-Traditional MS4

c. Phosphorous concerns with fertilizer use 0

d. Phosphorous concerns with grass clippings and leaves entering the MS4 0

e. Construction sites as a source of Phosphorus 0

f. Phosphorous concerns with detergent use 0

PERMIT # NYR20A529

5. Education plan and goals for the next 6 months

DEP will continue to distribute literature through public events when we are able to conduct them based on the restrictions caused by COVID-19 virus restrictions. At present time, normal public use has been reduced within the watershed. All material is still available to he public through the DEP's MS4 website.

DEP employees will continue to participate in events such as local fishing days, sportsman expositions and reservoir clean up days as much as COVID-19 restrictions permit. Employees will also continue to participate in the yearly MS4 PowerPoint Classes.

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

[Empty text box for plan details]

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?

[Empty text box for inspection program details]

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)
_____	____/____/____
_____	____/____/____
_____	____/____/____
_____	____/____/____

PERMIT # NYR20A529

Location

Target Date (mmddyyyy)

__/__/____

__/__/____

__/__/____

__/__/____

__/__/____

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: _____ 3
 - a. Number of sites reported in 9 that are between 5000 sqft and 1 acre _____ 0
 - b. Number of sites inspected in this reporting period _____ 3
 - c. Number of sites in need of corrective action _____ 0
 - d. Number of sites where corrective action was completed in this reporting period _____ 0
 - 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 NYSDEC requirements

Post Construction Stormwater Management

- 11. Number of Stormwater Management Practices (SMPs) located in sewersheds that drain to the listed waterbody _____ 2 2
 - a. Number reported in 11 that have been inspected in this reporting period _____ 2 2
 - b. Number of SMPs in need of maintenance or rehabilitation _____ 1 5
 - c. Number of SMPs where maintenance or rehabilitation has been performed in this reporting period. _____ 1 5
 - d. Number of SMPs where phosphorous pollutant problems have been identified. _____ 0
 - e. Number reported in 11d where the pollutant problem has been addressed. _____ 0

f. Who is responsible for performing SMP inspections?

DEP Regulatory and Operations staff perform SMP Inspections

PERMIT # NYR20A529

- 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 are functioning properly. Sites which are not functioning properly are directed to operations staff for corrective actions

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 by November 2020. This goal has been achieved. Funding for the retrofit program are secured through the City's capital and expense budgets. As soon as the funding becomes available again, due to the COVID-19 restrictions, the scheduled retrofit at Shaft 10 will begin in earnest.

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

Pond and outfall inspections were put on hold for the past 6-month period due to the COVID-19 pandemic. We will resume inspections as of spring of 2021 or sooner as restrictions loosen.

Municipal Operations Pollution Prevention/Good Housekeeping

- Non-Traditional MS4 (Skip Question 14)

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|--|-------|
| 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. | 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.

