



**Environmental  
Protection**

December 20, 2019

USPS Tracking No:

Ethan Sullivan  
MS4 Permit Coordinator  
Division of Water  
4th Floor  
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,  
2019 MS4 Interim Report Submittal Permit # NYR20A529**

Dear Mr. Sullivan

P.O. Box 358  
Grahamsville, NY 12740  
T: (845) 340-7800  
F: (845) 334-7175

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](mailto:brennerw@dep.nyc.gov).

Sincerely,

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 1 9

### 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 stormwater runoff continue to be maintained and developed. One new retrofit is currently under construction and is almost complete.

DEP continues to work toward 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 is conducted with employees on an annual basis. Educational materials on phosphorus are available to the public on the DEP MS4 webpage and at four locations in the watershed. DEP prepares two different newsletters for its employees titled "Pipeline" and "Tributary" which focus on watershed protection and activities. DEP distributes newsletters to the public on watershed protection and activities.

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

The target audience is employees and the general public. The message delivered is protection of water quality through proper maintenance of facilities, detecting and eliminating spills, preventive maintenance, proper land management and appreciation of the water resources.

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

2 9

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

- |  |     |
|--|-----|
| a. understanding the Phosphorous issues                                  | 4 7 |
| b. Septic systems as a source of Phosphorus                              | 4 4 |
| Non-Traditional MS4 <input checked="" type="checkbox"/>                  |     |
| c. Phosphorous concerns with fertilizer use                              | 3 6 |
| d. Phosphorous concerns with grass clippings and leaves entering the MS4 | 4 6 |
| e. Construction sites as a source of Phosphorus                          | 4 1 |
| f. Phosphorous concerns with detergent use                               | 3 8 |

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5. Education plan and goals for the next 6 months

Continued distribution of literature through public events as well as DEP's MS4 website. DEP employees will continue to participate in events such as local fishing days, sportsman expo, and reservoir clean up days. Employees will also continue to participate in the yearly MS4 Power Point class.

**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 \_\_\_\_\_

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 \_\_\_\_\_ 0 reporting period.

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"/>	____/____/____
<input style="width: 100%;" type="text"/>	____/____/____
<input style="width: 100%;" type="text"/>	____/____/____
<input style="width: 100%;" type="text"/>	____/____/____

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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:   | _____ <b>5</b> |
| a. Number of sites reported in 9 that are between 5000 sqft and 1 acre   | _____ <b>0</b> |
| b. Number of sites inspected in this reporting period  | _____ <b>5</b> |
| c. Number of sites in need of corrective action  | _____ <b>0</b> |
| d. Number of sites where corrective action was completed in this reporting period  | _____ <b>0</b> |
| 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 | _____ <b>2 2</b> |
| a. Number reported in 11 that have been inspected in this reporting period                                    | _____ <b>2 2</b> |
| b. Number of SMPs in need of maintenance or rehabilitation  | _____ <b>7</b>   |
| c. Number of SMPs where maintenance or rehabilitation has been performed in this reporting period.            | _____ <b>7</b>   |
| d. Number of SMPs where phosphorous pollutant problems have been identified.                                  | _____ <b>4</b>   |
| e. Number reported in 11d where the pollutant problem has been addressed.                                     | _____ <b>4</b>   |
| f. Who is responsible for performing SMP inspections?   |                  |

DEP Regulatory and Operations staff perform 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)?

Sites which are not functioning properly are directed to field 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. Funding for the retrofits are secured through the City's capital and expense budget.

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

During the spring of 2020, pond and outfall inspections shall be completed.

**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
- b. Number reported in 15a maintained in this reporting period. 1
- c. Number reported in 15a repaired in this reporting period. 1
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 various DEP facilities. Fertilizer is not used. Native plants and trees are planted in the stormwater practice locations and elsewhere in the watershed.



