



**Environmental
Protection**

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Commissioner*

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November 30, 2017

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

**Re: New York City Department of Environmental Protection,
MS4 Interim Report Submittal**

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

If you require any additional information or clarification, please do not hesitate to contact me at (845) 334-7185 or rbogart@dep.nyc.gov.

Sincerely,

Ron Bogart
Chief, Compliance & Technical
Services

Attachments

c: Matt Giannetta, Chief, Regulatory & Engineering Programs, BWS
Mike Meyer, Section Chief, Community Planning, BWS

Progress Report for Part IX.A

Permit # NYR20A529 Watershed Name East of Hudson
 MS4 Name NYCDEP East of Hudson BWS Reporting Period Ending 09 / 09 / 2017
 (mm/dd/yyyy)

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. DEP Investigates and ensures that spills (sewage, motor vehicle accidents) that occur within the watershed with the potential to affect DEP lands or reservoirs are promptly addressed. Retrofitting is pursued within the Croton watershed.

No new sources of phosphorus have been identified. DEP has commenced demolition of 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, proper land management and appreciation of the water resources.

3. Identify how many educational materials have been developed and distributed 1 4
4. Identify how many educational materials have been developed and distributed that focus on:
- a. understanding the Phosphorous issues 4 5
- b. Septic systems as a source of Phosphorus 4 4
 Non-Traditional MS4
- c. Phosphorous concerns with fertilizer use 6 2
- d. Phosphorous concerns with grass clippings and leaves entering the MS4 5 8
- e. Construction sites as a source of Phosphorus 5 5
- f. Phosphorous concerns with detergent use 3 6

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5. Education plan and goals for the next 6 months

Continued distribution of literature through DEP and public events and DEP's MS4 website. DEP employees will continue to participate in events such as local fishing days, sportsman expo, and reservoir clean up days.

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 period _____

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 type="text"/>	___/___/____
<input type="text"/>	___/___/____
<input type="text"/>	___/___/____
<input 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:
- 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 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
- 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 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. DEP completed projects in the Croton Falls Reservoir watershed and in Sycamore Park in the Town of Carmel. Hydrodynamic separators are also in operation at DEP facilities Shaft's 9 and 10

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

During fall and early winter 2017, 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 7
- 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, but fertilizer is not used. Native plants and trees are planted in the stormwater practices and elsewhere in the watershed

