



November 30, 2021

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,  
2021 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

Due to the continued 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](mailto: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)	09 / 09 / 2021

#### 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 scheduled to begin at Shaft 10 in Fiscal Year 22.

DEP continues to work toward identifying and demolishing abandoned structures within the Croton watershed, returning the property back to a natural state. Additional buildings have been identified at Amawalk, Boyds, West Branch and Croton Reservoirs for demolition in Fiscal Year 22 & 23.

#### 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. Each site was visited this year during the tri-annual self assessment and all informational material were counted and made available for the after COVID-19 return to normal. DEP continues to 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 area. The message delivered is protection of water quality through proper maintenance of facilities, land and property management, detection and eliminating spills, preventive maintenance, engineered water runoff control systems and appreciation of the water resources that pass through the communities and surrounding reservoir property.

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

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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. All material is still available to the public through the DEP's MS4 website. Plans are being made to resume normal yearly events beginning in the spring of 2022.

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 Power Point Class.

New covered message boards have been selected. They will be purchased and installed at the Kensico and Croton Lake Dam locations. The purchase order is in process.

**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

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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?

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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: 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 following 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 7
  - c. Number of SMPs where maintenance or rehabilitation has been performed in this reporting period. 1 7
  - 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.

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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 thru September 2021. Sites which are not functioning properly are directed to operations staff.

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 2021 This goal has been achieved through the demolition of un-used facilities. Funding for the retrofit program is secured through the City's capitol and expense budget. As soon as the funding becomes available again, due to the Covid-19 stop work order, the scheduled retrofit at Shaft 10 will begin.

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. Restrictions have loosened and normal work scheduling and inspections are expected to return back to the former schedule. We will resume inspection as of fall 2021.

**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 0
- 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. All replacements are checked to insure they are thriving and viable to that location.

### MS4 Semi Annual Report Form Certification

Semi Annual Report form for period ending 

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 (MMDDYYYY)

Name of MS4

SPDES ID  

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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 

P	a	u	l														
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 Last Name 

R	u	s	h														
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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

