

MS4 Annual Report Cover Page

MCC form for period ending March 9,

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Provide SPDES ID of each permitted MS4 included in this report.

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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Town of Ramapo

SPDES ID

N	Y	R	2	0	A	2	0	2
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3. What strategies did your MS4/Coalition use to achieve education and outreach goals during this reporting period? Check all that apply:

- Construction Site Operators Trained # Trained

			4	3
--	--	--	---	---
- Direct Mailings # Mailings

--	--	--	--	--
- Kiosks or Other Displays # Locations

				3
--	--	--	--	---
- List-Serves # In List

--	--	--	--	--
- Mailing List # In List

--	--	--	--	--
- Newspaper Ads or Articles # Days Run

				1
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- Public Events/Presentations # Attendees

			1	0
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- School Program # Attendees

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- TV Spot/Program # Days Run

			1	2
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- Printed Materials: Total # Distributed

		3	1	5
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Locations (e.g. libraries, town offices, kiosks)

R	a	m	a	p	o		T	o	w	n		H	a	l	l		a	n	d
P	u	b	l	i	c		W	o	r	k	s		D	e	p	t	.		

Other:

Web Page: Provide specific web addresses - not home page. Continue on next page if additional space is needed.

URL

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Town of Ramapo

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4. Evaluating Progress Toward Measurable Goals MCM 1

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

The measurable goal was to sponsor or facilitate at least one class that would educate the public and /or contractors with respect to a particular pollutant. Through our contact with Cornell Cooperative Extension, ten (10) classes were held on the County Fertilizer Law and twelve (12) radio shows were broadcast on WRCR on a variety of stormwater related topics.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Ten (10) people from Ramapo attended the classes regarding the Fertilizer Law. Twelve (12) half hour radio shows were broadcast over local airways. Many shows received telephone calls pertaining to the topics of discussion.

C. How many times was this observation measured or evaluated in this reporting period?

		2	2
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this Measurable Goal during this reporting period?

Yes No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

Yes No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

We hope to sponsor or facilitate at least several classes next year.

Ramapo also intends to be involved with a minimum of six (6) additional radio programs on stormwater related issues.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Town of Ramapo									
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4.a. If this report was made available on the internet, what date was it posted?

Leave blank if this report was not posted on the internet.

0	4
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2	4
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2	0	1	7
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4.b. For how many days was/will this report be posted?

3	6	5
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If submitting a report for single MS4, answer 5.a.. If submitting a joint report, answer 5.b..

5.a. Was an Annual Report public meeting held in this reporting period? Yes No

If Yes, what was the date of the meeting?

0	5
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 /

1	1
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 /

2	0	1	6
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If No, is one planned?

 Yes No
5.b. Was an Annual Report public meeting held for all MS4s contributing to this report during this reporting period? Yes No

If No, is one planned for each?

 Yes No
6. Were comments received during this reporting period? Yes No

If Yes, attach comments, responses and changes made to SWMP in response to comments to this report.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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Name of MS4/Coalition

Town of Ramapo

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7. Evaluating Progress Toward Measurable Goals MCM 2

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Our goal was to continue going door to door to interact with residents to inform them about the storm drain markings and the importance of clean stormwater in relation to our drinking water supply. A numeric goal was not set due to the uncertainty of how many residents would be home or answer the door in targeted areas.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Seventy-five (75) of the two hundred and sixty (260) attempts had individuals answer the door and listen to the information being presented. Those that were spoken with for the most part were receptive to the concepts. Each house also received a pamphlet explaining the purpose of the decals whether they answered the door or not.

C. How many times was this observation measured or evaluated in this reporting period?

		7	5
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

Yes No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

Yes No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

We hope to continue with this program in the next calendar year. We also hope to include literature dissemination totals of brochures delivered to residents who live along streams and waterways.

MS4 Annual Report Form

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Name of MS4/Coalition

SPDES ID

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12. Evaluating Progress Toward Measurable Goals MCM 3

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Since the beginning of the original 5 year permit period, the Town of Ramapo has been flushing our sanitary trouble areas to prevent sewer blockages and resulting sewer discharges. We have reached our goal of flushing at least 5 miles in each of the past 13 years. This year we flushed 7.7 miles in Unincorporated Ramapo.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

This activity has been effective in pro-actively removing grease and paper buildup on the inner walls of our sewer lines. We see this working every day by virtue of the reduction of call outs we receive reporting blockages both during and after work hours.

C. How many times was this observation measured or evaluated in this reporting period?

	2	4	8
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

Yes No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

Yes No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

We intend to continue flushing a minimum of 5 miles of sanitary sewers during the next reporting year.

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Town of Ramapo

SPDES ID

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Minimum Control Measures 4 and 5.
Construction Site and Post-Construction Control

The information in this section is being reported (check one):

- On behalf of an individual MS4
 On behalf of a coalition

How many MS4s contributed to this report?

		1
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1a. Has each MS4 contributing to this report adopted a law, ordinance or other regulatory mechanism that provides equivalent protection to the NYS SPDES General Permit for Stormwater Discharges from Construction Activities? Yes No

1b. Has each Town, City and/or Village contributing to this report documented that the law is equivalent to a NYSDEC Sample Local Law for Stormwater Management and Erosion and Sediment Control through either an attorney certification or using the NYSDEC Gap Analysis Workbook? Yes No NT

If Yes, Towns, Cities and Villages provide date of equivalent NYS Sample Local Law.

09/2004 03/2006 NT

2. Does your MS4/Coalition have a SWPPP review procedure in place? Yes No

3. How many Construction Stormwater Pollution Prevention Plans (SWPPPs) have been reviewed in this reporting period?

	1	1
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4. Does your MS4/Coalition have a mechanism for receipt and consideration of public comments related to construction SWPPPs? Yes No NT

If Yes, how many public comments were received during this reporting period?

		0
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5. Does your MS4/Coalition provide education and training for contractors about the local SWPPP process? Yes No

6. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

- Notices of Violation #

			6	3
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 No Authority
- Stop Work Orders #

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 No Authority
- Criminal Actions #

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 No Authority
- Termination of Contracts #

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 No Authority
- Administrative Fines #

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 No Authority
- Civil Penalties #

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 No Authority
- Administrative Orders #

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 No Authority
- Enforcement Actions or Sanctions #

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- Other #

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 No Authority

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Minimum Control Measure 4. Construction Site Stormwater Runoff Control

The information in this section is being reported (check one):

- On behalf of an individual MS4
 On behalf of a coalition

How many MS4s contributed to this report?

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- How many construction projects have been authorized for disturbances of one acre or more during this reporting period?

		6
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- How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period?

	2	1
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- What percent of active construction sites were inspected during this reporting period? NT

	6	7
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 %
- What percent of active construction sites were inspected more than once? NT

	4	8
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 %
- Do all inspectors working on behalf of the MS4s contributing to this report use the NYS Construction Stormwater Inspection Manual? Yes No NT
- Does your MS4/Coalition provide public access to Stormwater Pollution Prevention Plans (SWPPPs) of construction projects that are subject to MS4 review and approval? Yes No NT
 If your MS4 is Non-Traditional, are SWPPPs of construction projects made available for public review? Yes No

If Yes, use the following page to identify location(s) where SWPPPs can be accessed.

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Town of Ramapo

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7. Evaluating Progress Toward Measurable Goals MCM 4

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Our measureable goal is to review 100% of the SWPPPs that enter our Office for compliance with NYSDEC and local requirements.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

This measure is very effective because most of the SWPPPs submitted need to be reviewed multiple times to be compliant. Ed Moran reviews the plans for the most part on behalf of the Town. Withoug these multiple reviews, propose plans will likely be designed incorrectly in terms of function and size.

C. How many times was this observation measured or evaluated in this reporting period?

		1	1
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

Yes No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

Yes No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Next year we again anticipate reviewing all of the SWPPPs that are submitted to the DPW Office.

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4a. Are the MS4s contributing to this report involved in a regional/watershed wide planning effort?

Yes No

4b. Does the MS4 have a banking and credit system for stormwater management practices?

Yes No

4c. Do the SWMP Plans for each MS4 contributing to this report include a protocol for evaluation and approval of banking and credit of alternative siting of a stormwater management practice?

Yes No

4d. How many stormwater management practices have been implemented as part of this system in this reporting period?

		0
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5. What percent of municipal officials/MS4 staff responsible for program implementation attended training on Low Impace Development (LID), Better Site Design (BSD) and other Green Infrastructure principles in this reporting period?

	6	1
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 %

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6. Evaluating Progress Toward Measurable Goals MCM 5

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

Our measureable goal was to continue documenting projects in which SWPPPs are required and to perform final inspections on the water quality devices when the Notices of Termination are to be filed. It was also to clean out the one organic filter the Town owns and begin maintenance on the stormwater ponds that were recently transferred to us.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

Our master spread sheet has been updated so its easy to see all of our projects in one file. We continue to maintain our digitally organized weekly reports on E&SC inspections on those projects that have greater than an acre of disturbance.

C. How many times was this observation measured or evaluated in this reporting period?

			1
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(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?
 Yes No
E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?
 Yes No
F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

Our goal is to continue documenting the projects that require SWPPPs. We will perform final inspections on those projects that are looking for their Notices of Termination. We will also continue to maintain our organic filter as least quarterly and put our new ponds on an inspection schedule.

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Town of Ramapo

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Minimum Control Measure 6. Stormwater Management for Municipal Operations

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report?

		1
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1. Choose/list each municipal operation/facility that contributes or may potentially contribute Pollutants of Concern to the MS4 system. For each operation/facility indicate whether the operation/facility has been addressed in the MS4's/Coalition's Stormwater Management Program(SWMP) Plan and whether a self-assessment has been performed during the reporting period. A self-assessment is performed to: 1) determine the sources of pollutants potentially generated by the permittee's operations and facilities; 2) evaluate the effectiveness of existing programs and 3) identify the municipal operations and facilities that will be addressed by the pollution prevention and good housekeeping program, if it's not done already.

<u>Operation/Activity/Facility</u>	<u>Addressed in SWMP?</u>		<u>Self-Assessment Operation/Activity/Facility performed within the past 3 years?</u>	
	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No
Street Maintenance.....	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Bridge Maintenance.....	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Winter Road Maintenance.....	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Salt Storage.....	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Solid Waste Management.....	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
New Municipal Construction and Land Disturbance..	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Right of Way Maintenance.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Marine Operations.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Hydrologic Habitat Modification.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Parks and Open Space.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Municipal Building.....	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Stormwater System Maintenance.....	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Vehicle and Fleet Maintenance.....	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Other.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9,

2	0	1	7
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If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Town of Ramapo

SPDES ID

N	Y	R	2	0	A	2	0	2
---	---	---	---	---	---	---	---	---

2. Provide the following information about municipal operations good housekeeping programs:

- Parking Lots Swept (Number of acres X Number of times swept) # Acres

			4	2
--	--	--	---	---
- Streets Swept (Number of miles X Number of times swept) # Miles

			4	6
--	--	--	---	---
- Catch Basins Inspected and Cleaned Where Necessary #

			9	4
--	--	--	---	---
- Post Construction Control Stormwater Management Practices Inspected and Cleaned Where Necessary #

			1	3
--	--	--	---	---
- Phosphorus Applied In Chemical Fertilizer # Lbs.

			3	6
--	--	--	---	---
- Nitrogen Applied In Chemical Fertilizer # Lbs.

	4	7	7	8
--	---	---	---	---
- Pesticide/Herbicide Applied (Number of acres to which pesticide/herbicide was applied X Number of times applied to the nearest tenth.) # Acres

	2	7	3	.	7
--	---	---	---	---	---

3. How many stormwater management trainings have been provided to municipal employees during this reporting period?

				7
--	--	--	--	---

4. What was the date of the last training?

0	2
---	---

 /

2	3
---	---

 /

2	0	1	7
---	---	---	---

5. How many municipal employees have been trained in this reporting period?

	3	2
--	---	---

6. What percent of municipal employees in relevant positions and departments receive stormwater management training?

	3	3
--	---	---

 %

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2	0	1	7
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Town of Ramapo

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N	Y	R	2	0	A	2	0	2
---	---	---	---	---	---	---	---	---

7. Evaluating Progress Toward Measurable Goals MCM 6

Use this page to report on your progress and project plans toward achieving measurable goals identified in your Stormwater Management Program Plan (SWMPP), including requirements in Part III.C.1. Submit additional pages as needed.

A. Briefly summarize the Measurable Goal identified in the SWMPP in this reporting period.

The measureable goal was to sweep seventy-five (75) miles of roadway in Unincorporated Ramapo in the reporting year. Unfortunately due to mechanical problems with the street sweeper we only able to sweep forty-six (46) miles in Unincorporated Ramapo. Only one sweeper is operational.

B. Briefly summarize the observations that indicated the overall effectiveness of this Measurable Goal.

By continuing to sweep a significant amount of miles, less sediment and trash is deposited in our catchbasins that flow into our water bodies.

C. How many times was this observation measured or evaluated in this reporting period?

			1
--	--	--	---

(ex.: samples/participants/events)

D. Has your MS4 made progress toward this measurable goal during this reporting period?

Yes No

E. Is your MS4 on schedule to meet the deadline set forth in the SWMPP?

Yes No

F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).

If the Town does not purchase a new street sweeper our totals will likely hover around fifty (50) miles. At one point we had 3 operational sweepers. The Highway Dept. is down to only one.

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SPDES ID

N	Y	R	2	0					
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Additional Watershed Improvement Strategy Best Management Practices

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report?

MS4s must answer the questions or check NA as indicated in the table below.

MS4 Description	Answer	Check NA	(POC)
NYC EOH Watershed	-	-	-
Traditional Land Use	1,2,3,4,5,6,7a-d,8a,8b,9	10,11,12	Phosphorus
Traditional Non-Land Use	1,2,3,4,7a-d,8a,8b,9	5,10,11,12	Phosphorus
Non-Traditional	1,2,77a-d,8a,8b,9	3,4,5,10,11,12	Phosphorus
Onondaga Lake Watershed	-	-	-
Traditional Land Use	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Non-Traditional	1,6,7a-d,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Greenwood Lake Watershed	-	-	-
Traditional Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Oyster Bay	-	-	-
Traditional Land Use	1,4,7a-d,9,10,11,12	2,3,5,6,8a,8b	Pathogens
Traditional Non-Land Use	1,4,7a-d,9,10,11,12	2,3,5,6,8a,8b	Pathogens
Non-Traditional	1,4,7a-d,9	2,3,4,5,8a,8b,10,11,12	Pathogens
Peconic Estuary	-	-	-
Traditional Land Use	1,4,7a-d,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Traditional Non-Land Use	1,4,7a-d,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Non-Traditional	1,4,7a-d,8a,9	2,3,4,5,8b,10,11,12	Pathogens and Nitrogen
Oscawana Lake Watershed	-	-	-
Traditional Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7a-d,8a,9	2,3,5,8b,10,11,12	Phosphorus
LI 27 Embayments	-	-	-
Traditional Land Use	1,2,3,4,7a-d,9,10,11,12	5,6,8a,8b	Pathogens
Traditional Non-Land Use	1,2,3,4,7a-d,9,10,11,12	5,6,8a,8b	Pathogens
Non-Traditional	1,2,3,4,7a-d,9	5,6,8a,8b,10,11,12	Pathogens

1. Does your MS4/Coalition have an education program addressing impacts of phosphorus/nitrogen/pathogens on waterbodies? Yes No N/A

2. Has 100% of the MS4/Coalition conveyance system been mapped in GIS? Yes No N/A

If N/A, go to question 3.

If No, estimate what percentage of the conveyance system has been mapped so far. %

Estimate what percentage was mapped in this reporting period. %

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3. Does your MS4/Coalition have a Stormwater Conveyance System (infrastructure) Inspection and Maintenance Plan Program? Yes No N/A
4. Estimate the percentage of on-site wastewater treatment systems that have been inspected and maintained or rehabilitated as necessary in this reporting period? %
5. Has your MS4/Coalition developed a program that provides protection equivalent to the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001) to reduce pollutants in stormwater runoff from construction activities that disturb five thousand square feet or more? Yes No N/A
6. Has your MS4/Coalition developed a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre that provides equivalent protection to the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001), including the New York State Stormwater Design Manual Enhanced Phosphorus Removal Standards? Yes No N/A
- 7a. Does your MS4/Coalition have a retrofitting program to reduce erosion or phosphorus/nitrogen/pathogen loading? Yes No N/A
- 7b. How many projects have been sited in this reporting period?
- 7c. What percent of the projects included in 7b have been completed in this reporting period? %
- 7d. What percent of projects planned in previous years have been completed? %
- No Projects Planned
- 8a. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper fertilizer application on municipally owned lands? Yes No N/A
- 8b. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper disposal of grass clippings and leaves from municipally owned lands? Yes No N/A

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N	Y	R	2	0					

- 9. **Has your MS4/Coalition developed and implemented a program of native planting?**
 Yes No N/A
- 10. **Has your MS4/Coalition enacted a local law prohibiting pet waste on municipal properties and prohibiting goose feeding?**
 Yes No N/A
- 11. **Does your MS4/Coalition have a pet waste bag program?**
 Yes No N/A
- 12. **Does your MS4/Coalition have a program to manage goose populations?**
 Yes No N/A