# 2019 MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) ANNUAL REPORT

Prepared for: Town of Fishkill, NY 807 Route 52 Fishkill, NY 12524

November 20, 2019





Prepared by: Hudson Land Design Professional Engineering, P.C. 174 Main Street Beacon, NY 12508 Ph: (845) 440-6926 F: (845) 440-6637

# MS4 Annual Report Cover Page

MCC form for period ending March 9, 2 0 1 9

This cover page must be completed by the report preparer. Joint reports require only one cover page.

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#### **Choose one:**

# This report is being submitted on behalf of an individual MS4.

Fill in SPDES ID in upper right hand corner.

Name of MS4

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# OR

# **O** This report is being submitted on behalf of a Single Entity

(Per Part II.E of GP-0-10-002)

Name of Single Entity

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# OR

# ○ This is a joint report being submitted on behalf of a coalition.

Provide SPDES ID of each permitted MS4 included in this report. Use page 2 if needed.

Name of Coalition

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# MS4 Annual Report Cover Page

MCC form for period ending March 9, 2 0 1 9

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

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# MS4 Municipal Compliance Certification(MCC) Form

MCC form for period ending March 9, 2 0 1 9

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Name of MS4	TOWN OF FISHKILL	Ν	Y	R	2	0	A	2	7	4

Each MS4 must submit an MCC form.

# Section 1 - MCC Identification Page

Indicate whether this MCC form is being submitted to certify endorsement or acceptance of:

- An Annual Report for a single MS4
- A Single Entity (Per Part II.E of GP-0-10-002)
- A Joint Report

Joint reports may be submitted by permittees with legally binding agreements.

If Joint Report, enter coalition name:

# MS4 Municipal Compliance Certification(MCC) Form

MCC form for period ending March 9, 2 0 1 9

Name of MS4 TOWN OF FISHKILL

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# Section 2 - Contact Information

Important Instructions - Please Read

Contact information must be provided for <u>each</u> of the following positions as indicated below:

- 1. Principal Executive Officer, Chief Elected Official or other qualified individual (per GP-0-08-002 Part VI.J).
- 2. Duly Authorized Representative (Information for this contact must only be submitted if a Duly Authorized Representative is signing this form)
- 3. The Local Stormwater Public Contact (required per GP-0-08-002 Part VII.A.2.c & Part VIII.A.2.c).
- 4. The Stormwater Management Program (SWMP) Coordinator (Individual responsible for coordination/implementation of SWMP).
- 5. Report Preparer (Consultants may provide company name in the space provided).

A separate sheet must be submitted for each position listed above unless more than one position is filled by the same individual. If one individual fills multiple roles, provide the contact information once and check all positions that apply to that individual.

If a new Duly Authorized Representative is signing this report, their contact information must be provided and a signature authorization form, signed by the Principal Executive Officer or Chief Elected Official must be attached.

For each contact, select all that apply:

- Principal Executive Officer/Chief Elected Official
- O Duly Authorized Representative
- Local Stormwater Public Contact
- $\odot$  Stormwater Management Program (SWMP) Coordinator
- Report Preparer

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# MS4 Municipal Compliance Certification (MCC) Form

MCC form for period ending March 9, 2 0 1 9

Name of MS4 TOWN OF FISHKILL

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# Section 3 - Partner Information

Did your MS4 work with partners/coalition to complete some or all permit requirements during this reporting period?

If Yes, complete information below.

Submit a separate sheet for each partner. Information provided in other formats will not be accepted. If your MS4 cooperated with a coalition, submit one sheet with the name of the coalition. It is not necessary to include a separate sheet for each MS4 in the coalition.

If No, proceed to Section 4 - Certification Statement.

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#### Additional tasks/responsibilities

○ *Watershed Improvement Strategy Best Management Practices* required for MS4s in impaired watersheds included in GP-0-08-002 Part IX.

N/A



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MCC form for period ending March 9, 2 0

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#### Section 4 - Certification Statement

"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, 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 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-0-08-002 Part VI.J.

First Name	MI	Last Name
R o b e r t	Р	L a C o l l a
Title (Clearly print title of individual signing report)		
TownSupervisor		
Signature Gaddedd		Date

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

This report is being submitted for the reporting period ending March 9, 2 0 1 9

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

Name of MS4/Coalition TOV

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# Water Quality Trends

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

- On behalf of an individual MS4
- $\bigcirc$  On behalf of a coalition

How many MS4s are contributed to this report?

1. Has this MS4/Coalition produced any reports documenting water quality trends related to stormwater? If not, answer No and proceed to Minimum Control Measure One. O Yes

Yes • No

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Ν

If Yes, choose one of the following

- Report(s) attached to the annual report
- $\bigcirc$  Web Page(s) where report(s) is/are provided below

Please provide specific address of page where report(s) can be accessed - not home page.

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#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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 FISHKILL

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# Minimum Control Measure 1. Public Education and Outreach

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

- On behalf of an individual MS4
- $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

#### 1. Targeted Public Education and Outreach Best Management Practices

Check all topics that were included in Education and Outreach during this reporting period:

 Construction Sites • Pesticide and Fertilizer Application General Stormwater Management Information Pet Waste Management Household Hazardous Waste Disposal Recycling Illicit Discharge Detection and Elimination Riparian Corridor Protection/Restoration Infrastructure Maintenance Trash Management • Smart Growth Vehicle Washing ○ Water Conservation ○ Storm Drain Marking • Wetland Protection • Green Infrastructure/Better Site Design/Low Impact Development • Other:  $\bigcirc$  None S е t i С S t e m М а i |n t e n a n С е р У S Other 2. Specific audiences targeted during this reporting period:



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This report is being submitted for the reporting period ending March 9, 2 0 1 9

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 FISHKILL

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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		1	7	7
Direct Mailings	# Mailings		1	1	5
• Kiosks or Other Displays	# Locations				4
• List-Serves	# In List			6	2
○ Mailing List	# In List				
$\bigcirc$ Newspaper Ads or Articles	# Days Run				
Public Events/Presentations	# Attendees		1	2	0
$\bigcirc$ School Program	# Attendees				
○ TV Spot/Program	# Days Run				
• Printed Materials:	Total # Distributed	2	0	0	5
Locations (e.g. libraries, town offices, kiosks)	]				

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• Other:

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#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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

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#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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

TOWN OF FISHKILL Name of MS4/Coalition

#### 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.

- 1. Target specified audience for development of educational brochures.
- 2. Continue to provide educational brochures to residential and commercial property owners.
- 3. Provide contractor training sessions by DCSWCD.
- 4. Implement public educational billboard campaign.

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

Attendance at presentations/training sessions and quantity of educational brochures has been generally consistent with previous reporting period.

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

0 1 (ex.: samples/participants/events)

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

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

- F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).
- 1. Develop new target audience for educational brochures.
- 2. Continue to provide educational training sessions to public and other specified audiences.
- 3. Continue public educational billboard campaign. (See Implementation Schedule on following page)



• Yes O No

 $\bigcirc$  No

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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

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Name of MS4/Coalition	TOWN OF FISHKILL	Ν	Y	R	2	0	A

### Minimum Control Measure 2. Public Involvement/Participation

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

• On behalf of an individual MS4

 $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

1. What opportunities were provided for public participation in implementation, development, evaluation and improvement of the Stormwater Management Program (SWMP) Plan during this reporting period? Check all that apply:

• Cleanup Events	# Events 2
• Comments on SWMP Received	# Comments 0
• Community Hotlines	Phone #     (     8     4     5     )     8     3     1     -     7     8     0     0
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• Community Meetings	# Attendees 1 3 0
○ Plantings	Sq. Ft.
○ Storm Drain Markings	#Drains
• Stakeholder Meetings	# Attendees 1 5 0
O Volunteer Monitoring	# Events
$\bullet$ Other: F i s h k i l l C r e e k	Watershed Assoc

2. Was public notice of availability of this annual report and Stormwater Management Program (SWMP) Plan provided?

○ List-Serve	# In List	
O Newspaper Advertising	# Days Run	
O TV/Radio Notices	# Days Run	
ullet Other: N o t i c e d a t T o w n	Board Meeting	

 $\bigcirc$  Web Page URL: Enter URL(s) on the following two pages.

# This report is being submitted for the reporting period ending March 9, 2 0 1 9

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 FISHKILL
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# 3. Where can the public access copies of this annual report, Stormwater Management Program SWMP) Plan and submit comments on those documents?

Enter address/contact info and select radio button to indicate which document is available and whether comments may be submitted at that location. Submit additional pages as needed.

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#### This report is being submitted for the reporting period ending March 9, 2 0 1 9 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank. SPDES ID NYR TOWN OF FISHKILL 2 0 A 2 7 4 Name of MS4/Coalition 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 5 0 3 2 0 1 9 4.b. For how many days was/will this report be posted? 3 6 5 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 O No If Yes, what was the date of the meeting? 2 5 0 2 0 1 8 0 If No, is one planned? • Yes O No 5.b. Was an Annual Report public meeting held for all MS4s contributing to this report during this reporting period? ○ Yes O No If No, is one planned for each? ○ Yes O No • No

 6. Were comments received during this reporting period?
 O Yes

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

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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 FISHKILL

#### 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.

- 1. Strengthen partnerships with local watershed groups and committees.
- 2. Work with volunteer groups to encourage public participation in the Town's SWMP.

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

The number of events conducted and the number of attendees participating in events and volunteer activities is generally consistent with the previous reporting period.

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

(ex.: samples/participants/events)

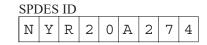
D. Has your MS4 made progress toward this measurable goal during this reporting period?

• Yes O No

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

• Yes O No

- F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).
- 1. Expand partnerships and activities with local watershed groups and committees.
- 2. Solicit volunteer groups to participate in the SWMP.



#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition TOWN OF FISHKILL

# Minimum Control Measure 3. Illicit Discharge Detection and Elimination

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

- On behalf of an individual MS4
- $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

- 1. Enter the number and approx. percent of outfalls mapped:
- 2. How many of these outfalls have been screened for dry weather discharges during this reporting period (outfall reconnaissance inventory)?
- **3.a.**What types of generating sites/sewersheds were targeted for inspection during this reporting period?

$\bigcirc$ Auto Recyclers	$\bigcirc$ Landscaping (Irrigation)
O Building Maintenance	○ Marinas
$\bigcirc$ Churches	○ Metal Plateing Operations
$\bigcirc$ Commercial Carwashes	○ Outdoor Fluid Storage
○ Commercial Laundry/Dry Cleaners	○ Parking Lot Maintenance
• Construction Vehicle Washouts	○ Printing
$\bigcirc$ Cross-Connections	O Residential Carwashing
$\bigcirc$ Distribution Centers	○ Restaurants
$\bigcirc$ Food Processing Facilities	$\bigcirc$ Schools and Universities
$\bigcirc$ Garbage Truck Washouts	○ Septic Maintenance
$\bigcirc$ Hospitals	$\bigcirc$ Swimming Pools
$\bigcirc$ Improper RV Waste Disposal	○ Vehicle Fueling
$\bigcirc$ Industrial Process Water	○ Vehicle Maint./Repair Shops
• Other:	○ None
R e s i d e n t i a l / C	o m m e r c i a l P r o p e r t y
○ Sewersheds:	

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition TOWN OF FISHKILL		N Y R 2 0 A 2 7 4
3.b.What types of illicit discharges have	e been found during this repo	orting period?
$\bigcirc$ Broken Lines From Sanitary Sewer	$\bigcirc$ Industrial Connections	
$\bigcirc$ Cross Connections	$\bigcirc$ Inflow/Infiltration	
$\bigcirc$ Failing Septic Systems	$\bigcirc$ Pump Station Failure	
$\odot$ Floor Drains Connected To Storm Sewers	$\bigcirc$ Sanitary Sewer Overflows	
○ Illegal Dumping	O Straight Pipe Sewer Dischar	ges
○ Other:	• None	
4. How many illicit discharges/potentia reporting period?	l illegal connections have be	en detected during this
5. How many illicit discharges have be	en confirmed during this rep	oorting period?

6. How many illicit discharges/illegal connections have been eliminated during this reporting period?

• Yes

• Yes

○ Yes

O No

O No

• No

%

- **7. Has the storm sewershed mapping been completed in this reporting period?** If No, approximately what percent was completed in this reporting period?
- 8. Is the above information available in GIS? Is this information available on the web? If Yes, provide URL(s):

Please provide specific address of page where map(s) can be accessed - not home page.

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#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition TOWN OF FISHKILL

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#### 8. URL(s) con't.:

Please provide specific address of page where map(s) can be accessed - not home page URL

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- 9. Has an IDDE law been adopted for each traditional MS4 and/or have IDDE procedures been approved for all non-traditional MS4s contributing to this report?
- **10. If Yes, has every traditional MS4 contributing to this report certified that this law is equivalent to the NYS Model IDDE Law?** Yes No NT
- 11. What percent of staff in relevant positions and departments has received IDDE training?

5 0 %

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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

Name of MS4/Coalition

#### 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.

- 1. Enforcement of IDDE ordinance as warranted.
- 2. Conduct required dry weather screening of outfalls.
- 3. Develop and implement IDDE Procedures and Protocol.
- 4. Develop Illicit Discharge Detection & Elimination Hotline Incident Tracking Sheet.

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

No illicit discharges detected this reporting period.

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

1 2

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

• Yes O No

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

• Yes O No

- F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).
- 1. Additional public education measures relative to the hazards associated with illicit discharges.
- 2. Dry weather inspections of outfalls & development of permit mapping requirements.
- 3. Continue to identify and eliminate illicit discharges to the MS4 & conduct IDDE training for staff (See Implementation Schedule on following page)

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(ex.: samples/participants/events)

TOWN OF FISHKILL

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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 FISHKILL

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Minimum Control Measures 4 and	<u>5.</u>
<b>Construction Site and Post-Construction</b>	<b>Control</b>

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

- On behalf of an individual MS4
- $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

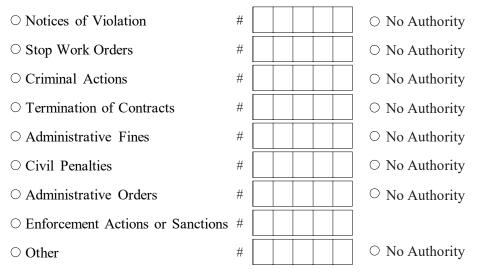
- 1a. Has each MS4 contributing to this report adopted a law, ordinance or other regulatory<br/>mechanism that provides equivalent protection to the NYS SPDES General Permit for<br/>Stormwater Discharges from Construction Activities?• Yes• No
- 1b. Has each Town, City and/or Village contributing to this 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 cerfification or using the NYSDEC Gap Analysis Workbook?

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

5. Does your MS4/Coalition provide education and training for contractors about the local SWPPP process? • Yes O 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:



Name of MS4/Coalition

### **MS4 Annual Report Form**

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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# Minimum Control Measure 4. Construction Site Stormwater Runoff Control

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

TOWN OF FISHKILL

- On behalf of an individual MS4
- $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

- 1. How many construction projects have been authorized for disturbances of one acre or more during this reporting period?
- 2. How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period?
- 3. What percent of active construction sites were inspected during this reporting period?  $\odot$  NT
- 4. What percent of active construction sites were inspected more than once?
- 5. Do all inspectors working on behalf of the MS4s contributing to this report use the NYS Construction Stormwater Inspection Manual?

If your MS4 is Non-Traditional, are SWPPPs of construction projects made available for public review? O Yes • No

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

This report is being submitted for the reporting period ending March 9, 2 0 1 9

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 FISHKILL

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#### 6. con't.:

Submit additional pages as needed.

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Name of MS4/Coalition TOWN OF FISHKILL

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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.

- 1. Town staff/consultant training on General Construction Permit requirements.
- 2. Better Site Design and Low Impact Development training session to town staff/consultants.
- 3. Contractor training sessions conducted by DCSWCD.
- 4. Stormwater construction compliance inspections and enforcement by Town.
- 5. Detailed review of SWPPPs in accordance with new General Construction Permit requirements.

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

Increased awareness of Town staff/consultants re: Better Site Design principles, Low Impact Development measures and techniques and Green Infrastructure. As a result of contractor training sessions and increased stormwater compliance inspections by the Town, it has been generally observed that construction sites have improved their implementation of erosion and sediment control measures and BMPs.

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

1 0

(ex.: samples/participants/events)

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

• Yes O No

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

• Yes O No

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

1. Continue to provide Town staff/consultant training sessions on Better Site Design, Low Impact Development, Green Infrastructure and General Construction permit requirements.

- 2. Continue to provide contractor training sessions & SMO training session.
- 3. SWPPP reviews and stormwater compliance inspections in accordance with GP-0-15-002. (See Implementation Schedule on following page)

This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition TOWN OF FISHKILL

# **Minimum Control Measure 5. Post-Construction Stormwater Management**

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

- On behalf of an individual MS4
- $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

1. How many and what type of post-construction stormwater management practices has your MS4/Coalition inventoried, inspected and maintained in this reporting period?

	# Inventoried	# Inspections	# Times Maintained
O Alternative Practices			
$\bigcirc$ Filter Systems			
$\bigcirc$ Infiltration Basins			
$\bigcirc$ Open Channels			
• Ponds	1 0	1 0	1 0
$\bigcirc$ Wetlands			
$\bigcirc$ Other			

- 2. Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintanance? ○ Yes ● No
- 3. What types of non-structural practices have been used to implement Low Impact Development/Better Site Design/Green Infrastructure principles?

○ Building Codes ● Municipal Comprehensive Plans

• Overlay Districts Open Space Preservation Program

- Zoning Local Law or Ordinance
  - Land Use Regulation/Zoning
- Watershed Plans Other Comprehensive Plan
- O Other:

 $\bigcirc$  None

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

• Yes  $\bigcirc$  No

○ Yes

○ Yes

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• No

No

%

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

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?

4d. How many stormwater management practices have been implemented as part of this s	ysten	n in	this
reporting period?			0

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?

#### This report is being submitted for the reporting period ending March 9, $2 \mid 0 \mid 1$ 9

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

Name of MS4/Coalition

#### 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.

- 1. Town staff/consultant training on General Construction Permit requirements.
- 2. Better Site Design and Green Infrastructure training session to town staff/consultants.
- 3. Contractor training sessions conducted by DCSWCD.

4. Detailed review of SWPPP post-construction permanent stormwater management facilities and development of maintenance agreements.

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

A standard maintenance agreement for permanent post-construction stormwater management facilities has been developed.

Increased awareness by Town staff/consultants of Better Site Design principles, Low Impact Development measures and techniques and Green Infrastructure.

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

0 1 (ex.: samples/participants/events)

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

• Yes O No

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

• Yes O No

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

1. Continue to provide Town staff/consultant training on General Construction Permit requirements and NYS Stormwater Design Manual updates.

2. Continue to provide Better Site Design, Low Impact Development and Green Infrastructure training session to town staff/consultants.

(See Implementation Schedule on following page)

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Name of MS4/Coalition TOWN OF FISHKILL



# 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

 $\bigcirc$  On behalf of a coalition

How many MS4s contributed to this report?

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>Self-Assessment</u>					
		<b>Operation/Activ</b>	<u>ity/Facility</u>					
			performed within	<u>n the past 3</u>				
<b>Operation/Activity/Facility</b>	Addressed i	n SWMP?	<u>vears</u> :	<u>?</u>				
Street Maintenance	• Yes	○ No	• Yes	$\bigcirc$ No				
Bridge Maintenance	O Yes	• No	• Yes	• No				
Winter Road Maintenance	• Yes	○ No	• Yes	$\bigcirc$ No				
Salt Storage	• Yes	○ No	• Yes	$\bigcirc$ No				
Solid Waste Management	• Yes	○ No	• Yes	$\bigcirc$ No				
New Municipal Construction and Land Disturban	nce • Yes	○ No	• Yes	$\bigcirc$ No				
Right of Way Maintenance	• Yes	○ No	• Yes	$\bigcirc$ No				
Marine Operations	····· O Yes	• No	• Yes	• No				
Hydrologic Habitat Modification	O Yes	• No	····· · · Yes	• No				
Parks and Open Space	• Yes	○ No	• Yes	$\bigcirc$ No				
Municipal Building	• Yes	○ No	• Yes	$\bigcirc$ No				
Stormwater System Maintenance		○ No	• Yes	$\bigcirc$ No				
Vehicle and Fleet Maintenance	• Yes		• Yes	$\bigcirc$ No				
Other	····· O Yes	• No	○ Yes	• No				

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition	TOWN OF FISHKILL
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# 2. Provide the following information about municipal operations good housekeeping programs:

• Parking Lots Swept (Number of acres X Number of times swept)	# Acres					1
• Streets Swept (Number of miles X Number of times swept)	# Miles				6	0
• Catch Basins Inspected and Cleaned Where Necessary	#			2	5	0
<ul> <li>Post Construction Control Stormwater Management Practices Inspected and Cleaned Where Necessary</li> </ul>	#				1	0
O Phosphorus Applied In Chemical Fertilizer	# Lbs.		Τ			
O Nitrogen Applied In Chemical Fertilizer	# Lbs.					
<ul> <li>Pesticide/Herbicide Applied (Number of acres to which pesticide/herbicide was applied X Number of times applied to the nearest tenth.)</li> </ul>	# Acres					
<b>3.</b> How many stormwater management trainings have been provided to during this reporting period?	) municipa	ıl em	plo	oye	ees	3

- 4. What was the date of the last training?
- 5. How many municipal employees have been trained in this reporting period?
- 6. What percent of municipal employees in relevant positions and departments receive stormwater management training?

#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition TOWN OF FISHKILL

#### 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.

- 1. Continued inspection and maintenance of conveyance systems within the MS4.
- 2. Identify facilities or operations in need of modification, improvement or replacement.
- 3. Prioritize good housekeeping efforts based upon geographic areas and pollutants of concern.
- 4. Municipal Operations/Good Housekeeping training session to municipal employees provided.

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

Ongoing inspection and maintenance of conveyance systems and cleaning of catch basins has improved water quality and drainage conditions.

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

(ex.: samples/participants/events)

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

• Yes  $\bigcirc$  No

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

• Yes O No

- F. Briefly summarize the stormwater activities planned to meet the goals of this MCM during the next reporting cycle (including an implementation schedule).
- 1. Continue Municipal Operations/Good Housekeeping training session to municipal employees.

2. Continue street sweeping program, conveyance system inspection and maintenance and catch basin cleaning program.

3. Incorporate Green Infrastructure in upgrades of conveyance system if applicable to the MEP. (See Implementation Schedule on following page)

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TOWN OF FISHKILL Name of MS4/Coalition

# Additional Watershed Improvement Strategy Best Management Practices

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

○ On behalf of an individual MS4

 $\bigcirc$  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

O No • N/A

2.	Has 100% of the MS4/Coalition conveyance system been mapped in	GIS?		
		$\bigcirc$ Yes	$\bigcirc$ 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.



Additional BMPs Page 1 of 3

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#### This report is being submitted for the reporting period ending March 9, 2 0 1 9

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Name of MS4/Coalition TOWN OF FISHKILL		Ν	Y	R	2	0	A	2	7	4

- 3. Does your MS4/Coalition have a Stormwater Conveyance System (infrastructure) Inspection and Maintenance Plan Program? O Yes O No O 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? O Yes O No O 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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		SPDES ID									
Name of MS4/Coalition	TOWN OF FISHKILL		Ν	Y	R	2	0	А	2	7	4
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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