

Year 2 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2019-June 30, 2020

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2019 and June 30, 2020 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated:

If the SWMP is not available on the web please provide the physical address:

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

Impairment(s)

Bacteria/Pathogens Chloride Nitrogen Phosphorus
 Solids/ Oil/ Grease (Hydrocarbons)/ Metals

TMDL(s)

In State: Assabet River Phosphorus Bacteria and Pathogen Cape Cod Nitrogen
 Charles River Watershed Phosphorus Lake and Pond Phosphorus

Out of State: Bacteria/Pathogens Metals Nitrogen Phosphorus

Clear Impairments and TMDLs

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

Year 2 Requirements

- Completed Phase I of system mapping
- Developed a written catchment investigation procedure and added the procedure to the SWMP
- Developed written procedures to require the submission of as-built drawings and ensure the long term operation and maintenance of completed construction sites and added these procedures to the SWMP
- Enclosed or covered storage piles of salt or piles containing salt used for deicing or other purposes
- Developed written operations and maintenance procedures for parks and open space, buildings and facilities, and vehicles and equipment and added these procedures to the SWMP
- Developed an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment and added this inventory to the SWMP
- Completed a written program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Developed written SWPPPs, included in the SWMP, for all of the following permittee owned or operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above year 2 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Due to lack of staffing and COVID-19 impacts, some of the items listed above are incomplete at this time: -Phase I system mapping efforts during the reporting period included stormwater BMPs and initial catchment delineations, but interconnections are still being mapped. The Town has a consultant under contract to finish

this mapping this Fall.

-Written O&M procedures for Facilities, Vehicles and Parks & Open Spaces are currently being developed. These procedures will be added to the SWPPP this year.

Annual Requirements

- Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- Kept records relating to the permit available for 5 years and made available to the public
- The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - This is not applicable because we do not have sanitary sewer
 - This is not applicable because we did not find any new SSOs
 - The updated SSO inventory is attached to the email submission
 - The updated SSO inventory can be found at the following website:

<https://www.scituatema.gov/department-of-public-works/pages/ms-4-permit>
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- Provided training to employees involved in IDDE program within the reporting period
- All curbed roadways were swept at least once within the reporting period
- Updated outfall and interconnection inventory and priority ranking as needed

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above annual requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Due to lack of staffing and COVID-19 impacts, some of the items listed above are incomplete at this time. -Interconnections are being updated now with the completion of the Phase I Map

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

* *Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Phosphorus (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Distributed an annual message in the spring (April/May) encouraging the proper use and disposal of grass clippings and encouraging the proper use of slow-release and phosphorus-free fertilizers
- Distributed an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

** Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

Potential structural BMPs

- Any structural BMPs already existing or installed in the regulated area by the permittee or its agents was tracked and the phosphorus removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in mass per year by the BMP were documented.

- The BMP information is attached to the email submission
- The BMP information can be found at the following website:

As part of the rebuilding of a public parking lot, a stone filter swale was constructed to treat all stormwater generated in the bituminous paved parking lot.

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Structural BMPs in the Old Oaken Bucket Pond watershed are being identified and tracked this year - there is 1 known BMP located in the Musquashcut Pond watershed.

Solids, Oil and Grease (Hydrocarbons), or Metals

Annual Requirements

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increased street sweeping frequency of all municipal owned streets and parking lots to a schedule that targets areas with potential for high pollutant loads

- ☑ Prioritized inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Cleaned catch basins more frequently if inspection and maintenance activities indicated excessive sediment or debris loadings

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

The Town of Scituate increases street sweeping of the North Scituate commercial district. This district lies in the Bound Brook area.

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

Part III: Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted?

- Yes
 No

If yes, describe below, including any relevant impairments or TMDLs:

We updated the list of impairments based on the final 2016 list of impaired waters for Massachusetts. The changes are summarized below.

MA94-07 Herring River

Added to the list: Enterococcus

Final list: Enterococcus, Fecal Coliform

MA94-09 South River

Added to the list: Enterococcus

Final list: Enterococcus, Fecal Coliform

MA94-25 First Herring Brook

ID number changed to MA94-36

Final list: No impairments

Part IV: Minimum Control Measures

Please fill out all of the metrics below. If applicable, include in the description who completed the task if completed by a third party.

MCM1: Public Education

Number of educational messages completed during this reporting period: 6

Below, report on the educational messages completed during this reporting period. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.

BMP:1.01 School Program: Stormwater and conservation messaging

Message Description and Distribution Method:

Annual school curriculum, programs, press release, and social media post. Program incorporates demonstrations with groundwater model, watershed model and cleaning dirty water taught to elementary school students and parent volunteers in school program

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, the school program had to go virtual. Environmental Educator Brian Taylor created videos on the school program content that teachers used with their students. The teachers also had the Watershed Jeopardy game to play with the students. All of the teachers were also given a packet of supplemental materials to go with the program. A press release went out to the town, The Globe, the Patriot Ledger, Wicked Local, and the Scituate Mariner. There were 535 views on the school program web page. The program was also posted on the NSRWA Facebook page with a reach of 884 people and 83 engagements. In a sample survey, 85% of the students and 80% of the parents reported having a greater understanding of where their water comes from AFTER the program, 85% of the students and 80% of the parents reported having a greater understanding of the importance of conserving water AFTER the program, and 80% of the students and parents reported having a greater understanding of how pollutants and runoff affect the quality of water AFTER the program.

Message Date(s): October 2019

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:1.02 Regional Rain Barrel Sale

Message Description and Distribution Method:

Press release, social media post, flyer, web page providing education about water conservation and the

reduction of stormwater from impervious surfaces. Annual sale.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A press release to went out to the town, The Globe, the Patriot Ledger, Wicked Local, and the Scituate Mariner. Facebook posts were made on the NSRWA page, Scituate Monthly, and Scituate Connect. Information about the sale went out in the NSRWA E-newsletter to 7,800+ subscribers. There were 60 rain barrels sold with 7 sold to residents of Scituate.

Message Date(s): March 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:1.03 Gardening Green Expo

Message Description and Distribution Method:

Annual regional event for WaterSmart South Shore Communities that provides information on how residents can reduce stormwater pollution from better landscaping practices.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, the Gardening Green Expo had to go virtual. We put speaker videos online and we had 2,399 web page views. We took orders for rain barrels, had downloadable water saving plant lists, and also reposted last years speaker videos. We also had a drawing for a custom water saving garden design and 38 people registered for that drawing.

Message Date(s): February 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:1.04 Greenscapes Guide

Message Description and Distribution Method:

Digital download of landscaping techniques that reduce stormwater pollutants (fertilizers, pesticides, herbicides)

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, the Greenscapes Guide could not be handed out at Gardening Green Expo. The downloadable Greenscapes Guide was promoted online and on the NSRWA Facebook page. It was also pomoted on the Scituate Monthly, and Scituate Connect Facebook pages. There was 1 download from Scituate. We also held a How to Build a Rain Garden Zoom webinar with 25 attendees.

Message Date(s): May 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:1.05 MS4 messages - Fertilizer for May

Message Description and Distribution Method:

A fertilizer message posted on Facebook in May.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A fertilizer message was posted on the NSRWA Facebook page in June with a reach of 23,001 people and 2,183 engagements. It was also posted on the Scituate Monthly and Scituate Connect Facebook pages. The Facebook post was boosted in June with a \$50 ad targeted to Scituate with a reach of 2,086 people and 211 engagements. There were also 19 page views on the Know Before You Mow! web page, 106 page views on the Best Mowing Practices web page, and 172 page views on the Stormwater web page. We also hosted a Zoom webinar on Stormwater in May with 17 attendees.

Message Date(s): May 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

This educational BMP was added since the NOI was submitted to better reach and inform residents about fertilizer reduction in spring.

BMP:1.05 MS4 messages - Grass Clippings in June

Message Description and Distribution Method:

A grass clippings message posted on Facebook in June.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A grass clippings message was posted on the NSRWA Facebook page in June with a reach of 119,638 people and 24,325 engagements. It was also posted to the Scituate Monthly and Scituate Connect Facebook pages. The Facebook post was boosted in June with a \$50 ad targeted to Scituate with a reach of 13,460 people and 665 engagements. There were also 19 page views on the Know Before You Mow! web page, 106 page views on the Best Mowing Practices web page, and 172 page views on the Stormwater web page.

Message Date(s): June 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

This educational BMP was added since the NOI was submitted to better reach and inform residents about grass clippings in spring.

BMP:1.06 Pet Waste Education

Message Description and Distribution Method:

Printed Scoop It cards, web article, press release, and social media posts for June.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, the Pet waste Scoop It cards were not distributed to town clerk's offices, vets and businesses. An article was written on The Problem of Dog Waste on the South Shore. This was sent to The Globe, the Patriot Ledger, Wicked Local, and the Scituate Mariner. It was posted on the NSRWA Facebook page with a reach of 67,503 people and 10,088 engagements, and on the Scituate Monthly and Scituate Connect Facebook pages. The Facebook post was boosted with a \$50 ad targeted to Scituate with a reach of 8,566 people and 197 engagements. There were also 453 page views on The Problem of Dog Waste on the South Shore web page, 22 page views on the Pet Waste Education page, 202 page views on the Addressing the Elephant in the Room - Dog Waste on the South Shore web page.

Message Date(s): June 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

[Empty text box]

BMP:1.07 Septic Maintenance Education

Message Description and Distribution Method:

Press release and social media post on maintenance of septic systems, corresponding with SepticSmart week in September.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A press release to went out to the town, The Globe, the Patriot Ledger, Wicked Local, and the Scituate Mariner. A Facebook post was boosted in September with a \$50 ad targeted to all WaterSmart towns with a reach of 27,648 people and 656 engagements, and a \$50 ad targeted to Scituate with a reach of 3,207 people and 157 engagements.

Message Date(s): September 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

[Empty text box]

BMP:1.09 MS4 Messages - Leaf Litter Education

Message Description and Distribution Method:

Don't blow, sweep or dump grass clippings and yard waste into streets or storm drains. Social media posts for October

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A message about leaf litter was posted on the NSRWA Facebook page in October. The Facebook post was boosted with a \$50 ad targeted to all WaterSmart towns with a reach of 25,444 people and 1,492 engagements, and a \$50 ad targeted to Scituate with a reach of 1,710 people and 180 engagements. There were also 106 page views on the Best Mowing Practices web page, and 172 page views on the Stormwater web page.

Message Date(s): October 2019

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:1.10 Proper Sediment and Erosion Control Management

Message Description and Distribution Method:

Brochure provided by Planning, Conservation, Building Department at permit request

Targeted Audience: Developers (construction)

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A brochure entitled Construction Stormwater Pollution Prevention Guide was created and delivered to the Scituate Building Department. These brochures will be handed to the person when they receive their permit. There were 750 distributed to the Town of Scituate.

Message Date(s): November 2019

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:WaterSmart Video Contest

Message Description and Distribution Method:

Video submissions will help educate the public about stormwater pollution and water conservation

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

We are holding a WaterSmart Video Contest. Submissions will be a 1-3 minute videos to help educate the public by creating a fun video that highlights either stormwater pollution and how to prevent it, or ways to conserve water. We partnered with Harbor Media for the contest and they provided the guidelines as well as a cash prize for the 1st place winner. All of the videos will be shared on the NSRWA and WaterSmart website

pages and on social media.

Message Date(s): May 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

Added a fun virtual educational measure during COVID pandemic

BMP:1.08 Proper management of Waste Materials and Dumpsters

Message Description and Distribution Method:

Provide education relevant to managing and reducing waste from dumpster waste from entering stormwater

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, and the fact that many businesses are not open, are not at their place of business, and may or may not re-open, this deliverable has been pushed back a year.

Message Date(s): Pending

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:1.11 Proper management of Waste Materials and Dumpsters

Message Description and Distribution Method:

Provide education relevant to managing and reducing waste from dumpster waste from entering stormwater

Targeted Audience: Industrial facilities

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, and the fact that many businesses are not open, are not at their place of business, and may or may not re-open, this deliverable has been pushed back a year.

Message Date(s): Pending

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: WaterSmart South Shore - The "Fowl Water" Facebook

Message Description and Distribution Method:

The "Fowl Water" Facebook advertisement helps viewers visualize stormwater pollution from motor oil, pet waste, and trash become stormwater pollution. View the ad at <http://bit.ly/tbm-fowl-water>

Targeted Audience: Residents

Responsible Department/Parties: funded by a grant from MassDEP and managed by the Massachusetts Statewide

Measurable Goal(s):

22,013 Facebook/Instagram Impressions in Scituate

Message Date(s): May 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

Effective virtual campaign during COVID pandemic

BMP: WaterSmart South Shore - The "Fowl Water" YouTube

Message Description and Distribution Method:

The "Fowl Water" YouTube advertisement helps viewers visualize stormwater pollution from motor oil, pet waste, and trash become stormwater pollution. View the ad at <http://bit.ly/tbm-fowl-water>

Targeted Audience: Residents

Responsible Department/Parties: funded by a grant from MassDEP and managed by the Massachusetts Statewide

Measurable Goal(s):

19,787 YouTube Impressions in Scituate

Message Date(s): May 2020

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

Effective virtual campaign during COVID pandemic

Add an Educational Message

MCM2: Public Participation

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) during this reporting period:

A working group comprised of residents, design engineers, developers and regulators was created to discuss Stormwater regulations. The Stormwater Bylaw was updated and approved at the Annual Town Meeting in 2016.

Was this opportunity different than what was proposed in your NOI? Yes No

Describe any other public involvement or participation opportunities conducted during this reporting period:

Due to Covid-19, the working group has not resumed discussions on the regulations.

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

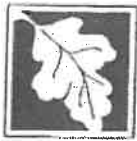
Check off the box below if the statement is true.

This SSO section is NOT applicable because we DO NOT have sanitary sewer

Below, report on the number of SSOs identified in the MS4 system and removed during this reporting period.

Number of SSOs identified: 1

Number of SSOs removed: 1



**Massachusetts Department of Environmental Protection
Bureau of Water Protection – Wastewater Management Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form**

FOR DEP USE ONLY

Tax Identification Number

A. Reporting Facility

Important: When filling out forms on the computer, use only the tab key to move your cursor – do not use the return key.



1. Facility Information

Town of Scituate, Sewer Division
Reporting Sewer Authority

MA 0102695
Permit #

2. Authorized Representative Transmitting Form:

William
First Name

Branton
Last Name

781-545-8736
Telephone No.

Division Supervisor
Title

WBranton@ScituateMA.gov
E-mail Address

B. Phone Notifications:

See DEP Regional Office telephone and fax numbers at the end of this form.

1. MassDEP staff contacted: Dave Burns
first name last name
Date/Time contacted: 4/8/2020 12:46
Date Time am pm
2. EPA staff contacted: Dave Turin
first name last name
Date/Time EPA contacted: 4/8/2020 12:48
Date Time am pm
3. Board of Health contacted: Andrew Scheele
First Name Last Name
Date/Time contacted: 4/5/2020 2:25
Date Time am pm
4. Others notified (select all that apply): Conservation Commission
 Harbormaster Shellfish Warden Division of Marine Fisheries
 Downstream Drinking Water Supplier Watershed Association
 Beach Resource Manager Other: DPW Director, Kevin Cafferty @1:13PM
4/5/2020

C. SSO Information

1. SSO Discovered: 4/5/2020 1:08
Date Time am pm
By: Mike Angland; weekend operator on shift
2. SSO Stopped: 4/5/2020 3:20
Date Time am pm
3. SSO Discharge from: Sanitary Sewer Manhole Pump Station
 Backup into Property Other: _____
(specify)
4. SSO Discharge to: Ground Surface (no release to surface water)
 Direct to Receiving Water _____
(surface water)
 Catch basin to Receiving Water _____
(surface water)
 Backup into Property Basement



Massachusetts Department of Environmental Protection
Bureau of Water Protection – Wastewater Management Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form

FOR DEP USE ONLY

Tax Identification Number

C. SSO Information (cont.)

Location: Manhole closest to intersection of Driftway and New Driftway in Scituate
(Description of discharge site or closest address)

5. Estimated SSO Volume at time of this Report: approx. 150-300 gallons

Method of Estimating Volume: CWRC Spill Estimation Chart

6. Cause of SSO Event:

Rain Event Pump Station Failure Insufficient Capacity in System

Treatment Unit failure

Sewer System Blockage: Pipe Collapse Root Intrusion Grease Blockage

Other: _____
(Specify)

7. Corrective Actions Taken:

Weekend operator immediately notified department response team and immediately deployed spill prevention and protection measures to cover storm drain and keep any spilled volume contained to a small area on the roadway. While spill prevention measures were deployed three other members of the staff prepared and dispatched our jetting / vacuum cleaning equipment. Jetting of the blockage began around 2PM. Initial jetting alleviated blockage enough for flows to resume through underground pipes and stopped spilling from the manhole. Jetting and vacuum cleaning continued for another hour to remove any residual buildup.

Impact Area cleaned and/or disinfected: Yes No

Area disinfected using bleach, and then cleaned with speedydry and manual removal from site.

Corrective Actions Completed: Yes No

Town has issued multiple notices in regards to the flushing of wipes and residential F.O.G. Blockage was caused by an excessive amount of wipes congealing with grease to form a blockage.

D. Comments/Attachments/Follow-up

I wish to provide (select all that apply):

Attachment Additional comments below: No additional comments or attachments

Additional comments and planned actions:



Massachusetts Department of Environmental Protection
Bureau of Water Protection – Wastewater Management Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form

FOR DEP USE ONLY

Tax Identification Number

E. 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 gather and evaluate 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 violations.

[Handwritten Signature]
 Signature of Authorized Representative

4/8/2020
 Date Signed

Please keep a copy of this report for your records. When submitting additional information, include the MassDEP Incident Number from this report.

MassDEP Regional Office and EPA Telephone and Fax Numbers:

Northeast Region	Phone: 978-694-3215	Fax: 978-694-3499
Southeast Region	Phone: 508-946-2750	Fax: 508-947-6557
Central Region	Phone: 508-792-7650	Fax: 508-792-7621
Western Region	Phone: 413-784-1100	Fax: 413-784-1149
EPA	Phone: 617-918-1510	
EPA for Southeast Region, David Turlin	Phone: 617-918-1598	Fax: 617-918-0598
EPA for Northeast, Central and Western Regions, Douglas Koopman	Phone: 617-918-1747	Fax: 617-918-0747
DEP 24-hour emergency	Phone: 888-304-1133	

MS4 System Mapping

Below, check all that apply.

The following elements of the Phase I map have been completed:

- Outfalls and receiving waters
- Open channel conveyances
- Interconnections
- Municipally-owned stormwater treatment structures
- Waterbodies identified by name and indication of all use impairments
- Initial catchment delineations

Optional: Describe any additional progress you made on your map during this reporting period or provide additional status information regarding your map:

-Phase I system mapping efforts during the reporting period included stormwater BMPs and initial catchment delineations, but interconnections are still being mapped. The Town has a consultant under contract to finish this mapping this Fall.

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses.

- The outfall screening data is attached to the email submission
- The outfall screening data can be found at the following website:

Below, report on the number of outfalls/interconnections screened during this reporting period.

Number of outfalls screened:

Catchment Investigations

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following website:

Below, report on the number of catchment investigations completed during this reporting period.

Number of catchment investigations completed this reporting period:

Below, report on the percent of catchments investigated to date.

Percent of total catchments investigated:

Optional: Provide any additional information for clarity regarding the catchment investigations below:

Smoke testing will be performed in the upcoming months as part of a sewer inflow and infiltration project.

IDDE Progress

If illicit discharges were found, please submit a document describing work conducted over this reporting period, and cumulative to date, including location source; description of the discharge; method of discovery; date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures and schedule of removal.

- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

Below, report on the number of illicit discharges identified and removed, along with the volume of sewage removed during this reporting period.

Number of illicit discharges identified:

Number of illicit discharges removed:

Estimated volume of sewage removed: gallons/day

Below, report on the total number of illicit discharges identified and removed to date. At a minimum, report on the number of illicit discharges identified and removed since the effective date of the permit (July 1, 2018).

Total number of illicit discharges identified:

Total number of illicit discharges removed:

Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:

Employee Training

Describe the frequency and type of employee training conducted during the reporting period:

Fuss and O'Neil provided training opportunities via Zoom during the Spring of 2020 due to Covid-19. Training included the development of O&M procedures for parks, public spaces, facilities and Vehicles.

MCM4: Construction Site Stormwater Runoff Control

Below, report on the construction site plan reviews, inspections, and enforcement actions completed during this reporting period.

Number of site plan reviews completed: 10

Number of inspections completed: 50

Number of enforcement actions taken: 4

Optional: Enter any additional information relevant to construction site plan reviews, inspections, and enforcement actions:

Some Projects required many inspections, enforcement and fines to correct the situations. Many inspections are also performed by Boards and Committees consulting Engineers

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment

Ordinance or Regulatory Mechanism

Below, select the option that describes your ordinance or regulatory mechanism progress.

- Bylaw, ordinance, or regulations are updated and adopted consistent with permit requirements
- Bylaw, ordinance, or regulations are updated consistent with permit requirements but are not yet adopted
- Bylaw, ordinance, or regulations have not been updated or adopted

As-built Drawings

Describe the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites:

Following completion, Asbuilt plans are submitted and reviewed by the Planning Board and Conservation Commission for compliance with the approved plans.

Street Design and Parking Lots Report

Describe the status of the street design and parking lots assessment due in year 4 of the permit term, including any planned or completed changes to local regulations and guidelines:

No update at this time.

Green Infrastructure Report

Describe the status of the green infrastructure report due in year 4 of the permit term, including the findings and progress towards making the practice allowable:

No update at this time.

Retrofit Properties Inventory

Describe the status of the inventory, due in year 4 of the permit term, of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

No update at this time.

MCM6: Good Housekeeping

Catch Basin Cleaning

*Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins **during this reporting period.***

Number of catch basins inspected: 2,000

Number of catch basins cleaned: 2,000

Total volume or mass of material removed from all catch basins: tons

Below, report on the total number of catch basins in the MS4 system.

Total number of catch basins: 2,500

If applicable:

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

Following coastal overwash events roadways including Oceanside Drive, Surfside Road, Rebecca Road, Lighthouse Road and Central Avenue receive repeated cleanings of catch basins, drain lines and manholes. The majority of these events occur in the Fall , Winter and Spring.

Street Sweeping

*Report on street sweeping completed **during this reporting period** using one of the three metrics below.*

Number of miles cleaned:

Volume of material removed: [Select Units]

Weight of material removed: [Select Units]

O&M Procedures and Inventory of Permittee-Owned Properties

Below, check all that apply.

The following permittee-owned properties have been inventoried:

- Parks and open spaces
- Buildings and facilities
- Vehicles and equipment

The following O&M procedures for permittee-owned properties have been completed:

- Parks and open spaces
- Buildings and facilities
- Vehicles and equipment

Stormwater Pollution Prevention Plan (SWPPP)

Below, report on the number of site inspections for facilities that require a SWPPP completed during this reporting period.

Number of site inspections completed:

Describe any corrective actions taken at a facility with a SWPPP:

Additional Information

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.

- Not applicable
- The results from additional reports or studies are attached to the email submission
- The results from additional reports or studies can be found at the following website(s):

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

Additional Information

Optional: Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above:

COVID-19 Impacts

Optional: If any of the above year 2 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Due to Covid-19, the Town of Scituate municipal center entered into remote operations with limit staff on hand. Town hall was closed from Mid-March to Mid-July. Disruptions to work loads began earlier and many restrictions remain in effect today.

Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 3 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

- Inspect all outfalls/ interconnections (excluding Problem and Excluded outfalls) for the presence of dry weather flow
- Complete follow-up ranking as dry weather screening becomes available

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in

- connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all uncurbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary

Provide any additional details on activities planned for permit year 3 below:

All attempts and focus will be made to complete the outfall inspections this fall and early next year.

Part V: Certification of Small MS4 Annual Report 2020

40 CFR 144.32(d) Certification

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 gather and evaluate 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, I certify that 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 violations.

Name: Title:

Signature: Date:

[Signatory may be a duly authorized representative]