

Year 4 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2021-June 30, 2022

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, 2021 and June 30, 2022 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 4 Requirements

- ☐ Developed a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover, made it available as part of the SWMP, and:

- ☐ No updates were recommended
☒ Updates were recommended. The anticipated date or date of completion for updates is/was:

FY23

- ☐ Developed a report assessing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist, made it available as part of the SWMP, and:

- ☐ No updates were recommended
☒ Updates were recommended. The anticipated date or date of completion for updates is/was:

FY23

- ☒ Identified a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover

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

A draft report assessing street design, parking lot guidelines, and feasibility of GSI implementation has been prepared and will be reviewed to confirm schedules for updating relevant codes in the coming fiscal 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/departments-of-public-works/pages/ms-4-permit>

- ☒ Updated system map due in year 2 as necessary
- ☒ Provided training to employees involved in IDDE program within the reporting period
- ☒ Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- ☒ All curbed roadways were swept at least once within the reporting period
- ☒ Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- ☒ Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- ☒ Updated inventory of all permittee owned facilities as necessary
- ☒ O&M programs for all permittee owned facilities have been completed and updated as necessary
- ☒ Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs
- ☒ Implemented program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- ☒ Inspected all permittee owned treatment structures (excluding catch basins)

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:

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)

Phosphorus Source Identification Report

- ☒ Completed the Phosphorus Source Identification Report

- ☐ The Phosphorus Source Identification Report is attached to the email submission
- ☒ The Phosphorus Source Identification Report can be found at the following website:

<https://www.scituatema.gov/departments-of-public-works/pages/ms-4-permit>

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:

<https://www.scituatema.gov/departments-of-public-works/pages/ms-4-permit>

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 BMP tracking information is still being confirmed, as many of the BMPs were installed years ago, and design details are difficult to find.

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
 - ☐ The street sweeping schedule is attached to the email submission
 - ☒ The street sweeping schedule can be found at the following website:

<https://www.scituatema.gov/department-of-public-works/pages/winter-street-clean-up>

- ☒ 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 watershed, which is impaired for turbidity. The Town recently purchased a new street sweeper and generated a systemic sweeping program throughout the Town.

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:

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:** 16

*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, social media posts. The program incorporates groundwater model, watershed model and cleaning dirty water to elementary students and parent volunteers.

Targeted Audience: Residents

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

Measurable Goal(s):

Due to continuing Covid-19 precautions, the school program was a hybrid of live and virtual sessions. Environmental Educator Brian Taylor created a new series of videos that teachers used with their students. The teachers also had the Watershed Jeopardy game to play with the kids. All of the teachers were also given a packet of supplemental materials to go with the program. There were 320 students who participated in the program in 4 schools. In a sample survey, 85% of the students and 85% of the parents reported having a greater understanding of where their water comes from AFTER the program, 85% of the students and 90% of the parents reported having a greater understanding of the importance of conserving water AFTER the program, and 85% of the students and 90% of the parents reported having a greater understanding of how pollutants and runoff affect the quality of water AFTER the program. The fifth grade students of Scituate also participated in a guided field trip to Driftway Park for further stormwater related discovery and hands-on water sampling. A press release went out to the town, The Globe, the Patriot Ledger, Wicked Local, and the Scituate Mariner. There were 504 views on the school program web page. The program was also posted on the NSRWA Facebook page with a reach of 1,412 people and 64 engagements.

Message Date(s): Fall 2021

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:

Regional Annual Rain Barrel Sale - Press release, social media post, flyer, and web page providing education about water conservation and the reduction of stormwater from impervious surfaces.

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 and town connect pages. There was a \$50 boost of the Facebook ad that resulted in 1,807 web views, 2,099 people reached, and 219 engagements. Information about the sale went out in the NSRWA E-newsletter to 10,900+ subscribers. There were 50 rain barrels sold with 6 sold to residents of Scituate.

Message Date(s): March 2022

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:

Gardening Green Expo - 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 continuing Covid-19 precautions, the Gardening Green Expo was virtual. We put speaker videos online and we had 3,120 web page views and 256 YouTube 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 signed books, garden signs, gift certificates, a rain barrel, and more, and 193 people registered for that drawing.

Message Date(s): March 2022

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:

Greenscapes Guide - 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 continuing Covid-19 precautions, 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 promoted on the Scituate Monthly Our Town Facebook page. There were 455 web page views, 54 downloads, and 8 downloads from Scituate.

Message Date(s): May 2022

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 MS-4 Messages - Grass Clippings and Fertilizers

Message Description and Distribution Method:

MS4 Messages on Social Media - Fertilizer for May/June and Grass Clippings in June

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. The fertilizer message had a reach of 43,004 people and 4,388 engagements. It was also posted to the Scituate Monthly Our Town Facebook page. The fertilizer message Facebook post was boosted in June with a \$50 ad targeted to Scituate with a reach of 4,796 people and 171 engagements. There were also 14 page views on the Know Before You Mow! web page, 85 page views on the Best Mowing Practices web page, and 140 page views on the Stormwater web page.

A grass clippings message was posted on the NSRWA Facebook page in June. The grass clippings message had a reach of 15,881 people and 2,901 engagements. It was also posted to the Scituate Monthly Our Town

Facebook page. The grass clippings Facebook post was boosted in June with a \$50 ad targeted to Scituate with a reach of 1,659 people and 62 engagements. There were also 14 page views on the Know Before You Mow! web page, 85 page views on the Best Mowing Practices web page, and 140 page views on the Stormwater web page.

Message Date(s): May and June 2022

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 and fertilizers in spring.

BMP:1.06 Pet Waste Education

Message Description and Distribution Method:

Pet Waste Education - 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):

Pet waste Scoop It cards were distributed to the town clerk's office (50), the Driftway Animal Hospital (100), and the Scituate Animal Shelter (100). 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 28,604 people and 2,930 engagements. A \$50 ad was targeted to Scituate ending on June 26. As of June 23, it had a reach of 3,095 people and 168 engagements. There were also 195 page views on The Problem of Dog Waste on the South Shore web page, 302 page views on the Pet Waste Education page, 195 page views on the Addressing the Elephant in the Room - Dog Waste on the South Shore web page.

Message Date(s): June 2022

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:1.07 Septic Maintenance

Message Description and Distribution Method:

Septic Maintenance - 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 ad was posted in September with a reach of 1,178 people and 59 engagements, and a \$50 ad was targeted to Scituate with a reach of 7,952 people and 335 engagements.

Message Date(s): September 2021

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:1.08 Proper Management of Waste Materials and Dumpsters

Message Description and Distribution Method:

Press release, social media post, web page and brochure mailing to 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):

We created a Best Practices Checklist for Proper Management of Waste Materials and Dumpsters. This was posted on social media, was made into a downloadable file, and was posted on our WaterSmart website with 15 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

Message Date(s): May 2022

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:1.09 Leaf Litter Education

Message Description and Distribution Method:

MS4 Message - HELP KEEP STORM DRAINS CLEAN - Don't blow, sweep or dump leaf litter 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 HELP KEEP STORM DRAINS CLEAN message had a reach of 47,120 people and 4,787 engagements. The Facebook post was boosted in October with a \$50 ad targeted to Scituate with a reach of 4,491 people and 178 engagements. There were also 85 page views on the Best Mowing Practices web page, and 140 page views on the Stormwater web page. Both messages were also posted to the Scituate Monthly Our Town Facebook page.

Message Date(s): October 2021

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 for Developers

Message Description and Distribution Method:

Proper Sediment and Erosion Control Management - Brochure provided by Town of Scituate 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 all of the town departments who issue permits, including the Building Department. These brochures will be handed to the person when they receive their permit. There were 750 distributed to the town of Scituate initially, and we are currently replenishing their supply.

Message Date(s): November 2019 - ongoing

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:

Press release, social media post, web page and brochure mailing to 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):

We created a Best Practices Checklist for Proper Management of Waste Materials and Dumpsters. This was posted on social media, was made into a downloadable file, and was posted on our WaterSmart website with 15 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

Message Date(s): May 2022

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:1.13 Parking Lot Maintenance Education

Message Description and Distribution Method:

Parking Lot Maintenance - Salt storage, sweeping, catch basin cleaning, fleet maintenance

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):

We created a Best Practices Checklist for Parking Lot Maintenance. This was posted on social media, was made into a downloadable file, and was posted on our WaterSmart website with 19 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

Message Date(s): On-going

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:1.14 Low Impact Development Education

Message Description and Distribution Method:

Low Impact Development Information Targeted to Developers - Reduction of impervious surfaces, use of alternatives to paving, decentralized approach to stormwater, rain gardens, swales, bioretention

Targeted Audience: Developers (construction)

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

Measurable Goal(s):

This deliverable will be completed in the Summer of 2022.

Message Date(s): Summer 2022

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:1.15 Parking Lot Maintenance Education

Message Description and Distribution Method:

Parking Lot Maintenance - Salt storage, sweeping, catch basin cleaning, fleet maintenance

Targeted Audience: Industrial facilities

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

Measurable Goal(s):

We created a Best Practices Checklist for Parking Lot Maintenance. This was posted on social media, was made a downloadable file, and was posted on our WaterSmart website with 19 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

Message Date(s): On-going

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:Art for Water - Public Art Project

Message Description and Distribution Method:

We will provide a custom painted wall hanging painted by area artists to be raffled in each town and online, and there will be an education piece on stormwater and how storm drains empty unfiltered directly into our water bodies.

Targeted Audience: Residents

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

Measurable Goal(s):

The Art for Water Public Art Project raised awareness on the fact that storm drains empty unfiltered water into our local rivers and streams. A press release and posts were used to educate the public. People could sign the pledge, make an optional donation for clean water, and enter to win one of 12 custom painted wall hangings. We boosted a Facebook ad which had a reach of 8,062 people and 468 engagements. The promotion raised, \$3,070 for clean water and we had 132 entries, 23 from Scituate.

Message Date(s): September 2021

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:

Additional messaging provided to further engage the public via art and education.

BMP:Water for People

Message Description and Distribution Method:

Water for People - WMA Grant: BRP 2021-01: Demand Management Outdoor Water Conservation Campaign

Targeted Audience: Residents

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

Measurable Goal(s):

In addition to the other deliverables for the town of Scituate, the NSRWA also received a WMA Grant on behalf of the WaterSmart towns. For this grant we produced a series of videos, an online pledge, and offered FREE lawn signs. This campaign is continuing in light of recent drought conditions. As of June 20, there have been 123,777 people reached and 16,018 engagements on Facebook plus 41,975 people reached, 2,371 engagements, and 418 YouTube views with a Scituate-specific video. There have also been 305 web views

and 1,998 YouTube views.

Message Date(s): June 2022

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:

Additional messaging provided due to WMA Grant. 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:**

The report is posted on the Town of Scituate Website for review and comment. An annual presentation to the Select Board that is open to the public and advertised is given outlining the accomplishments from the prior year and the expectations of the coming year.

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:**

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: **MS4 System Mapping***Optional: Provide additional status information regarding your map:*

Mapping of stormwater system is continuously updated throughout the year. GIS mapping software is used and updated regularly.

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. Please also include the updated inventory and ranking of outfalls/interconnections based on monitoring results.

- ☐ No outfalls were inspected
☐ The outfall screening data is attached to the email submission
☒ The outfall screening data can be found at the following website:

<https://www.scituatema.gov/departments-of-public-works/pages/ms-4-permit>

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

Number of outfalls screened:

Below, report on the percent of outfalls/interconnections screened to date.

Percent of outfalls screened:

Optional: Provide additional information regarding your outfall/interconnection screening:

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.

- ☒ No catchment investigations were conducted
☐ 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:

Now that all outfalls have been screened and re-prioritized, the Town will start planning for the catchment investigations.

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.

- ☒ No illicit discharges were found
- ☐ 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 this reporting period:**

On several occasions throughout the year Highway Department and Transfer Station employees are involved in review of an unknown site condition and discuss the options to identify a problem, document and resolve.

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

Number of site plan reviews completed: 14

Number of inspections completed: 45

Number of enforcement actions taken: 15

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

Project inspections are performed by the Town Planner, Conservation Commission Agent and/or Consulting agents for both Boards and commissions. Fines are issued for repeat violations.

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3):

Revisions have been drafted and are being reviewed for adoption. Working with a larger stormwater advisory group.

As-built Drawings

*Below, report on the number of as-built drawings received **during this reporting period.***

Number of as-built drawings received: 12

Optional: Enter any additional information relevant to the submission of as-built drawings:

Project closeout is issued by the Planning Board or Conservation Commission.

Retrofit Properties Inventory

Below, list the permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas (at least 5):

A retrofit inventory was done to identify and prioritize permittee-owned properties for retrofitting. The following properties were assessed:

- 1 - Scituate Public Works/Grounds
- 2 - Scituate Town Hall
- 3 - Scituate Harbor Parking

- 4 - Scituate Library
- 5 - Conservation Park
- 6 - Cedar Point Intersection Park
- 7 - Wampanoag School
- 8 - Old Oaken Bucket Water Treatment Plant
- 9 - Greenbush Field
- 10 - Scituate Harbor Community Center
- 11 - Hatherly School
- 12 - Scituate Maritime Center
- 13 - Scituate Recreation Department
- 14 - Scituate Fire Department
- 15 - Cole Parkway Lot

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:

Number of catch basins cleaned:

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

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

Total number of catch basins:

If applicable:

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

Routine maintenance of all catch basins in Town is managed by the Highway Department and cleaned by a contractor. There are known and tracked areas in Town subject to coastal overwash. Catch Basins and storm piping in these areas are cleaned more frequently based upon storm overwash (typically, in the winter months).

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:

☐ Weight of material removed:

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: 16

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

Corrections to overburdened erosion control measures are commonly required for violations.

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:

The current stormwater bylaw has been reviewed by independent groups and recommended edits to the current bylaw. Since Covid (2020) group interactions and committee meetings have been significantly reduced.

COVID-19 Impacts

Optional: If any of the above year 4 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:

Covid and scheduling has significantly reduced staffing in all Town departments.

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 5 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree ☒

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 curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- 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
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements
- Inspect all permittee owned treatment structures (excluding catch basins)
- Identify additional permittee-owned properties that could potentially be modified or retrofitted

with BMPs to reduce impervious areas so that the permittee maintains a minimum of 5 sites in their inventory, until such a time when the permittee has less than 5 sites remaining

Provide any additional details on activities planned for permit year 5 below:

Part V: Certification of Small MS4 Annual Report 2021

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.

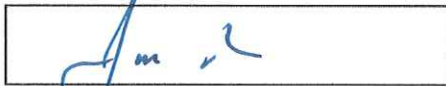
Name:

James M Boudreau

Title:

Town Administrator

Signature:



Date:

9/24/22

[Signatory may be a duly authorized representative]