

Year 3 Annual Report

Massachusetts Small MS4 General Permit

Reporting Period: July 1, 2020-June 30, 2021

****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, 2020 and June 30, 2021 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization: Town of East Bridgewater

EPA NPDES Permit Number: MAR041109

Primary MS4 Program Manager Contact Information

Name: John Haines

Title: DPW Director

Street Address Line 1: 100 Willow Ave

Street Address Line 2:

City: East Bridgewater

State: MA

Zip Code: 02333

Email: jhaines@eastbridgewaterma.gov

Phone Number: (508) 378-1620

Stormwater Management Program (SWMP) Information

SWMP Location (web address): <https://www.ebdpw.com/stormwater-education>

Date SWMP was Last Updated: September 30, 2015

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

SWMP located at the DPW and Health Department; Updates to SWMP ongoing.

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 3 Requirements

- ☐ Inspected and screened all outfalls/interconnections (excluding Problem and Excluded outfalls)
☐ Updated outfall/interconnection priority ranking based on the information collected during the dry weather inspections as necessary
☒ Post-construction bylaw, ordinance, or other regulatory mechanism was updated and adopted consistent with permit requirements

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 3 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:

11 out of 99, or 11%, of the MS4 outfalls have been inspected and screened. Additional screening took place in 2009 but all parameters of the 2016 permit were not screened at that time. Preliminary outfall/interconnection priority ranking was developed for the initial IDDE Plan and will be updated as outfall screening is performed.

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:

- ☒ 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 system map due in year 2 as necessary
- ☒ 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, 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:

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:

The Town will work to issue guidance to dog owners at the time of issuance or renewal of dog license.

Nitrogen (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) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release 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 listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents was tracked and the nitrogen removal by the BMP was

- ☐ estimated consistent with Attachment 1 to Appendix H. The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated nitrogen 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:

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 is starting to document constructed BMPs and will report on removals in the future.

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:

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 is starting to document constructed BMPs and will report on removals in the future.

Solids, Oil and Grease (Hydrocarbons), or Metals

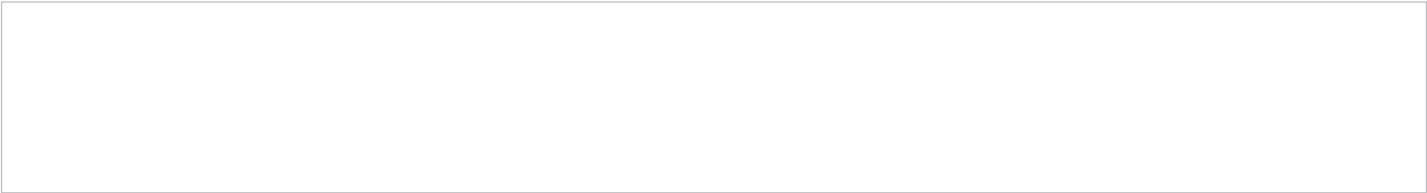
Annual Requirements

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:

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:

No outfalls were screened during Year 3.

As seen in the Massachusetts Year 2016 Integrated List of Waters, Beaver Brook (Category 4a Waters), Meadow Brook (Category 4a Waters), Matfield River (Category 5 Waters), and Salisbury Plain River (Category 5 Waters) are now impaired for E.coli in addition to the impairments listed in the Massachusetts Year 2014 Integrated List of Waters

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:**

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: What is Stormwater? Web Page

Message Description and Distribution Method:

The Town of East Bridgewater has a stormwater education page on their website which covers various stormwater related topics, such as "What is Stormwater?", which explains the origins and adverse impacts of stormwater runoff. "What can I do to minimize my impact on stormwater pollution?" which offers many helpful tips like never discharging any toxic materials into storm drains, using rain barrels, and having your septic system regularly pumped. The Town also includes what they are doing to prevent and control stormwater runoff, and provided links to 8 helpful stormwater related websites and organizations, as well as posted 2 educational info-graphics.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

The Town of East Bridgewater Stormwater Education page is always available for residents to reference here <https://www.ebdpw.com/stormwater-education>

Message Date(s):

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:After The Storm Brochure: What is Stormwater Runoff?

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which explains what stormwater runoff is, covers the effects of pollution, describes why stormwater runoff is a problem, and highlights stormwater solutions. The brochure was originally published by the EPA.

Targeted Audience:

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference here https://www3.epa.gov/npdes/pubs/after_the_storm.pdf

Message Date(s): 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:After The Storm Brochure: Auto Care

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on how to properly wash your car, make repairs, and dispose of auto fluids in order to protect our water resources. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Message Date(s): 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:After The Storm Brochure: Lawn Care

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on the problem with using excess fertilizers, how to properly dispose of grass clippings and leaves, avoiding overwatering your lawn, composting yard waste, and covering dirt piles. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Distributed an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

Message Date(s): 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: After The Storm Brochure: Septic Systems

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on septic system maintenance, inspection, and how to properly dispose of household hazardous waste. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

Message Date(s): 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:After The Storm Brochure: Pet Waste

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on the problem with leaving pet waste on the ground, and advises residents to pick up after their dogs. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Distributed an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

Message Date(s): 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:After The Storm Brochure: Residential Landscaping**Message Description and Distribution Method:**

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on tips for residential landscaping to help reduce the impacts of stormwater, such as installing permeable pavement, using rain barrels to collect water, planting rain gardens and grassy swales, and building vegetated filter strips. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Distributed an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

Message Date(s): 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:After The Storm Brochure: Commercial

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on how dirt, oil, and debris collect in parking lots and ultimately get washed into stormwater sewers, and offers advice on sweeping up litter, covering grease storage and dumpsters, and reporting chemical spills. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Message Date(s): 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:After The Storm Brochure: Construction

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A citizens Guide to Understanding Stormwater" which includes a segment on utilization of erosion controls on construction sites, such as diverting stomwater, installation and maintenance of erosion controls, preventing erosion through seeding and mulching. The brochure was originally published by the EPA.

Targeted Audience: Residents, Contractors

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Message Date(s): 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:After The Storm Brochure: Agriculture

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on how lack of vegetation due to agriculture can lead to erosion, how excess fertilizers and pesticides can poison aquatic wildlife, and the problem with livestock waste.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Message Date(s): 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:After The Storm Brochure: Forestry

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on how improperly managed logging operations can lead to erosion and sedimentation. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Message Date(s): 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:After The Storm Brochure: Automotive Industries

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" which includes a segment on how to properly maintain fueling stations, clean up spills, provide cover/retrofit for fueling islands, properly maintain fleet vehicles, and install oil/water separators. The brochure was originally published by the EPA.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, EPA

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "After the Storm, A Citizens Guide to Understanding Stormwater" is always available for residents to reference.

Message Date(s): 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:Greenscapes: Create a Healthy Yard

Message Description and Distribution Method:

The Town posted a pamphlet entitled "Greenscapes: Creating a Healthy Yard" on the stormwater education page of the Town website. This pamphlet highlights the benefits and downsides between organic and synthetic fertilization techniques.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, GreenScapes North Shore Coalition

Measurable Goal(s):

Distribute two messages to each targeted audience during the permit term.

Distributed an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

Message Date(s): 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:The Importance of Cleaning Up After Your Pet

Message Description and Distribution Method:

The Town of East Bridgewater provided a link to the Janitorial Cleaning Services web page on The Importance of Cleaning Up After Your Pet, which covers topics about pet waste such as Health Risks Posed by Pet Waste, how Pet Waste Can Affect Water Quality, How to Properly Dispose of Pet Waste, and Sanitizing After Cleaning Up Pet Waste.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, Janitorial Cleaning Services, New York, Inc.

Measurable Goal(s):

The link to the JCS's webpage on the stormwater education page of the Town website is always available for residents to reference.

Distributed an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

Message Date(s): 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:Be a Beneficial Lake Effect: Protecting Your Lake or Pond From Stormwater Pollution Brochure

Message Description and Distribution Method:

The Town posted an informational brochure on the stormwater education page of their website, titled "Be a Beneficial Lake Effect: Protecting Your Lake or Pond From Stormwater Pollution" which aims to educate residents on topics such as: Why Is Stormwater a Problem, How Does Stormwater Pollution Affect Lake Water Quality, What Can We Do To Help Reduce Stormwater Pollution, Best Management Practices, How You Can Reduce and Eliminate Nutrients and Bacteria, how to Encourage Infiltration and Control Sedimentation, and How You Can Reduce and Eliminate Nutrients and Bacteria.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, Mass DEP

Measurable Goal(s):

The informational brochure on the stormwater education page of the Town website, titled "Be a Beneficial Lake Effect: Protecting Your Lake or Pond From Stormwater Pollution" is always available for residents to reference.

Message Date(s): 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: Stormwater Pollution Prevention Guide for Homeowners

Message Description and Distribution Method:

The Town posted an informational guide on the stormwater education page of their website, titled "Stormwater Pollution Prevention Guide for Homeowners" which highlights the many ways residents can keep local waterways clean, such as: picking up after your dog, tips for ecologically mindful lawn care and gardening like using organic lawn chemicals composting, and planting rain gardens. It also covers home and business tips, including using less toxic chemicals for cleaning, and participating in your local Household Hazardous Waste Program, and how to responsibly wash cars and boats. Finally, it outlines proper ways to store and dispose of automotive care materials, and how to safely discharge or dispose of pool water.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, Neponset Stormwater Partnership

Measurable Goal(s):

The informational guide on the stormwater education page of the Town website, titled "Stormwater Pollution Prevention Guide for Homeowners" is always available for residents to reference here https://0b5b699f-0124-44b6-a0b1-0d97e287fe9c.filesusr.com/ugd/3888c1_2e7bdb1726e14a10baa97506c98a68da.pdf

Message Date(s): 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: Lawn and Garden Tips to Help Curb Stormwater Pollution Info-graphic

Message Description and Distribution Method:

The Town posted an info-graphic on the stormwater education page of their website, titled "Lawn and Garden Tips to Help Curb Stormwater Pollution" that demonstrates ecologically mindful lawn care techniques to prevent stormwater pollution, such as leaving grass clippings to to fertilize the lawn naturally, using leaves as mulch or fertilizer instead of trashing them, and the proper height to cut your grass.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue Massachusetts

Measurable Goal(s):

The Town incorporated a meter on their website to tally how many people have scrolled by this message, and so far it has reached 380 views.

Distributed an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

Message Date(s): Onoing

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: Help Stop Pointless Poo-llution Info-graphic**Message Description and Distribution Method:**

The Town posted an infographic on the stormwater education page of their website, titled "Help Stop Pointless Poo-llution" which encourages residents to clean up after their dogs.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, Central Massachusetts Stormwater Coalition

Measurable Goal(s):

The Town incorporated a meter on their website to tally how many people have scrolled by this message, and so far it has reached 380 views.

Distributed an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

Message Date(s): Onoing

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: Anyone Can be a Leaf Hero

Message Description and Distribution Method:

The Town created a post on their Facebook Page titled "Anyone can be a Leaf Hero" with link to their stormwater education webpage on their website, intending to teach residents about the proper disposal of leaf litter.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater

Measurable Goal(s):

The Facebook post recieved one engagement, and the Town East Bridgewater Dept. of Public Works facebook page (<https://www.facebook.com/EBDPW>) itself has 944 likes, and 980 followers.

Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

Message Date(s): October 20, 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: The Pet Waste Problem on the South Shore: Pet Waste Education Page

Message Description and Distribution Method:

The Town provided a link to the North and South Rivers Watershed Associations Pet Waste Education page, which was created as part of their WaterSmart South Shore Campaign. The "Pet Waste Problem on the South Shore" article describes the magnitude of the pet waste problem, why cleaning up dog waste is about clean water and a healthy community, and how pet owners can help mitigate the problem.

Targeted Audience: Residents

Responsible Department/Parties: Town of East Bridgewater, The North and South Rivers Watershed Association

Measurable Goal(s):

The Facebook post recieved one engagement, and the Town East Bridgewater Dept. of Public Works facebook page itself has 944 likes, and 980 followers. The North and South Rivers Watershed Associations Pet Waste Education page can be found here https://www.nsrwa.org/get-watersmart/pet-waste-education/?fbclid=IwAR3zzMuKvJ0XcHMuBum4-CyooZWNpePD_ah2sK3taQ7L7lqC_3l8YtyIyNI

Message Date(s): 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: Fowl Water Campaign

Message Description and Distribution Method:

Stormwater social media video campaign called "Fowl Water" that educates residents on how "stormwater pollution is trash, oil, cigarette butts, & dog waste." Campaign is run by Think Blue Massachusetts and published with advertisements on Facebook, Instagram, and YouTube.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue Massachusetts

Measurable Goal(s):

Think Blue Massachusetts estimates that 58,439 people in Natick have been reached by this campaign through Facebook and YouTube, and can be found here <https://www.thinkbluemassachusetts.org/fowl-water-videos-results>

Message Date(s): May 17 to July 4, 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:

This outreach was developed by Think Blue on behalf of the Town to supplement outreach already noted on the NOI.

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:**

SWMP posted to Town website for public review and comment.

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:

Number of SSOs removed:

MS4 System Mapping

Optional: Provide additional status information regarding your map:

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:

*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: 0

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

Percent of total catchments investigated: 0

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

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: 0

Number of illicit discharges removed: 0

Estimated volume of sewage removed: 0 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:**

SERSG provided online training during this permit year to DPW staff.

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: Number of inspections completed: Number of enforcement actions taken:

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

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment**As-built Drawings**

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

Number of as-built drawings received:

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

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:

The Town has not made any progress on this task yet.

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:

The Town has not made any progress on this task yet.

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:

The Town has not made any progress on this task yet.

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:

2,086 CBs in system, however 415 are privately owned, therefore all Town CBs were cleaned

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:

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 3 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:

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

Yes, I agree ☒

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

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)

Provide any additional details on activities planned for permit year 4 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:

John Haines

Title:

Director of Public Works

Signature:

Digitally signed by
7e8c13f1-be9f-4a1c-9566-942082d88bf2
DN: CN=7e8c13f1-be9f-4a1c-9566-942082d88bf2
Reason: I am approving this document with my legally
binding signature
Location: your signing location here
Date: 2021-09-28 09:09:19
Foxit Reader Version: 9.7.2

Date:

09/28/21

*[Signatory may be a duly authorized
representative]*