

**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:

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

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:

### 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.townofmilton.org/stormwater-management/pages/stormwater-management-program-documents> (Select IDDE Program, inventory on page 14-15)

- 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:

During the reporting period Milton's Stormwater Management Program was posted on the Town website with the following text "All of the Stormwater Management Program documents are open to public comment. To issue a comment, contact the Environmental Coordinator. You may also mail a written comment to the address below. In your comment please note the document to which you are referring." The SMWP can be found at <https://www.townofmilton.org/stormwater-management/pages/stormwater-management-program-documents>.

The town annual Earth Day event at the Wakefield estates was canceled for the second year in a row due to COVID 19. At this event the environmental coordinator will typically have a table to distribute material and discuss yard waste disposal and best practices with the public. Instead, a table was set up during the Milton Green up day with the Pine Tree Brook Neighborhood Association. Roughly 50 residents participated in the clean up with this group. These residents live along the Pine Tree Brook, and flyers were distributed with information on how to keep Milton's water ways clean.

Milton continued to participate in the Neponset Stormwater Partnership (NSP), a regional collaborative of towns in the Neponset River Watershed. Additional public participation activities, offered to Milton residents through the NSP, are described in the MCM 2 section of this report.

The NSP planned and organized a Neponset river clean up on September 26th, 2020 and a spring river clean

up day held on April 17, 2021.

Milton continued to maintain records relating to the permit on a public page of its website at <https://www.townofmilton.org/stormwater-management/pages/stormwater-management-program-documents>.

## **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:

<https://www.townofmilton.org/stormwater-management>; and on <https://www.townofmilton.org/stormwater-management/pages/stormwater-management-program-documents>, in the document called "Infrastructure Operation and Maintenance Program" the inventory that includes BMPs that remove phosphorus is in Appendix A. The estimated phosphorus removal has only been calculated for some of the listed structural storm water BMPs in town. The town is working to refine these calculations for all structures as part of the Phosphorus Control Plan, by reporting on the BMP type, total area treated, design storage volume, and the estimated phosphorus removed in mass per year.

*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 completion of the Town's Phosphorus Control Plan will be funded by the towns annual stormwater fee for impervious surfaces. More information about the Town's stormwater fee can be found at <https://www.townofmilton.org/stormwater-management/pages/how-stormwater-fee-generated>.

**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:

Any catch basin with a sump more than 50% full on two consecutive inspections will be added to an optimization list to be inspected annually and cleaned at that time if found to be more than 25% full. The Town is working on integrating the optimization list into our GIS system which is the mechanism used to dictate the cleaning schedule.

*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:

For Neponset River segments MA73-02 and MA73-03, the "DDT" impairment was changed to "DDT in Fish Tissue." For Unquity Brook (MA73-26), Debris/ Floatables/ Trash was removed as an impairment because the applicable water quality standard was attained.

Also during the reporting period, SDE Inc. (the company that conducted outfall screening) identified and mapped 40 town-owned outfalls that were not listed in the NOI. The newly mapped outfalls have the following receiving waterbodies: Neponset River MA73-02 (1), Neponset River MA73-03 (9), Pine Tree Brook MA73-29 (10), Trout Brook (2), and Unquity Brook MA73-26 (12). In addition, 6 are not direct discharges.

## 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: 1 Educate dog owners about picking up dog waste**

Message Description and Distribution Method:

A "rack card " regarding proper pet waste disposal was printed by the Neponset Stormwater Partnership and distributed by the Milton Town Clerk's office with in-person and mail dog-license renewals. These rack cards can also be found in the Towns Engineering office.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Over 1,000 cards were distributed to dog owners during the reporting period.

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: 2 Provide continuing education about proper septic system maintenance**

Message Description and Distribution Method:

The Neponset Stormwater Partnership designed and sent a postcard about care and maintenance of septic systems to known owners of septic systems in Milton.

The Health Department website features educational links and documents about septic system maintenance at <https://www.townofmilton.org/environmental-and-inspectional-services/pages/environmental-health-resources> and <https://www.townofmilton.org/health-department/applications-and-forms/pages/septic-title-v>.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Website is maintained and updated by the health department as new regulations require.

Message Date(s): website 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: 3 Update stormwater section of town website at least 3 times per year**

Message Description and Distribution Method:

Updated town's Stormwater Management web page was updated with information about seasonal stormwater management practices and current projects, at <https://www.townofmilton.org/stormwater-management>.

Targeted Audience: Residents

Responsible Department/Parties: Engineering

Measurable Goal(s):

Updated 3 times annually with town-produced content or links to educational pages on the Neponset Stormwater Partnership's website.

Message Date(s): March 20, 2020; September 15, 2020; April 1, 202, March 12, 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: 4 Summer Pet Waste Campaign**

Message Description and Distribution Method:

Prepared a social media campaign consisting of two Facebook messages and one Twitter message directed at the proper disposal of pet waste consisting of social media posts. The social media materials were posted to the Neponset River Watershed Association's Facebook and Twitter Accounts. The social media posts were shared on the Milton DPW. Facebook page and the Town of Milton Twitter page. In addition, the Environmental Coordinator put a link to the pet waste section of the NSP website on the town's stormwater web page.

Targeted Audience: Residents and Businesses

Responsible Department/Parties: Engineering

Measurable Goal(s):

The Town of Milton Twitter account has over 2,000 followers.

Message Date(s): July 13th, 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 year Milton replaced local access TV PSAs (BMP 1-9 in the NOI) with this message and other social media by the NSP (BMPs 5,6, and 7 below). The social media messages helped Milton share important information, even when town staff had limited time to work on outreach.

### **BMP: 5 Fall leaf waste campaign**

Message Description and Distribution Method:

The NSP prepared a social media campaign directed at the proper disposal of leaf waste consisting of a social media post to Facebook and Twitter. The social media messages were posted to the Neponset River Watershed Association's Facebook and Twitter Accounts. Milton retweeted the NSP's tweet and shared it on the town's official Facebook page.

Targeted Audience: Residents and Businesses

Responsible Department/Parties: Engineering

Measurable Goal(s):

The Town of Milton's official Twitter account has more than 2,000 followers. The Town's Facebook page has over 2,000 likes and over 3,000 followers. Facebook ads were also used to reach 5,728 people.

Message Date(s): September 23, 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:

Same as explanation for BMP 4: Summer pet waste campaign, above.

### **BMP: 6 Spring fertilizer and grass clipping campaign**

Message Description and Distribution Method:

The NSP prepared an outreach campaign regarding proper use (or abstention from use) of fertilizer consisting of social media posts and an interactive "fertilizer calculator" on the NSP website. The social media message was shared on the Milton DPW Facebook page and the Town, DPW, and Engineering Twitter pages.

Facebook ads also reached 6,991 people.

Targeted Audience: Residents and Businesses

Responsible Department/Parties: Engineering

Measurable Goal(s):

The Town of Milton's official Twitter account has more than 2,000 followers. The Town's Facebook page has over 2,000 likes and over 3,000 followers. Facebook ads also reached 6,991 people.

Message Date(s): April 8th, 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:

Same as explanation for BMP 4: Summer pet waste campaign, above.

### **BMP: 7 Winter Ice Melt Campaign**

Message Description and Distribution Method:

The NSP prepared a social media campaign directed to the use of ice melt during the winter snow seasons. Milton retweeted this post via the town's official Twitter account.

Targeted Audience: Residents and Businesses

Responsible Department/Parties: Engineering

Measurable Goal(s):

The Town of Milton's official Twitter account has more than 2,000 followers. This post received 9 retweets and 8 likes.

Message Date(s): February 3rd, 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:

Same as explanation for BMP 4: Summer pet waste campaign, above.

### **BMP: 8 School Outreach Program**

Message Description and Distribution Method:

The NSP prepared new on-line PowerPoint-based watershed education curriculum for 5th grade students. Curriculum covered drinking water and stormwater infrastructure, local water resources, wastewater systems, water conservation, and stormwater pollution prevention techniques. Curriculum was designed and adapted with input from teachers in participating schools and aligned with the MA 5th grade science curriculum.

standards. The program was delivered at the individual classroom level over the course of two 60-minute on-line visits by a watershed educator. The educator also provided teachers with follow up materials to share with students and their families.

Due to COVID-19, all lessons had to take place on-line over Zoom or Google Meet.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Reach of households with 5th grade children in Milton and 100% positive feedback from participating classroom teachers.

Message Date(s): 2020 - 2021 School year

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: 9 Summer Regional educational Mailer**

Message Description and Distribution Method:

NSP prepared and sent an educational mailing to all addresses in participating NSP communities, including Milton. The mailing was an 11x17 trifold brochure that highlighted general stormwater pollution prevention tips. The mail piece referenced key information on fertilizer, pet waste, yard waste, and litter and referred readers to additional information available at [yourcleanwater.org](http://yourcleanwater.org) and the stormwater hotline. The mailing was distributed to all business and residential addresses in Milton.

Targeted Audience: Residents and Businesses

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Reach 100% of addresses, including those who do not use social media or follow town government communication channels.

100% of addresses in the target area were reached, including all businesses, residential addresses, and PO boxes.

Message Date(s): May 28th, 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: 10 Small Business Checklist Brochure**

Message Description and Distribution Method:

The NSP created and distributed small business checklist brochures to several business associations throughout the watershed. These flyer's contained storm water pollution prevention measures and were distributed to members of these associations in the form of newsletter attachments.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

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: 11 Meet with Neighborhood Groups**

Message Description and Distribution Method:

The Environmental Coordinator meet with neighborhood groups who participated in Milton's Green Up day. Educational flyers were distributed to all group leaders on how to keep Milton's water ways clean, which was shared with group members who participated.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

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: 12 Regional Water Quality Data Reports and Press**

Message Description and Distribution Method:

The NSP organized data from the past sampling year Volunteer Water Quality Monitoring Program into town specific reports and press releases. The press release provided to the town was printed in the Milton Times.

Targeted Audience: Residents, Businesses, Institutions

Responsible Department/Parties: NSP, Engineering

Measurable Goal(s):

Produce materials for each participating town to use in disseminating the results of this year's water quality monitoring program.

A report and press release was prepared for Milton.

Message Date(s): July 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: 13 Storm Drain Marking**

Message Description and Distribution Method:

The Neponset River Watershed Association launched a storm drain marking program to mark and affix circular aluminum medallions near the storm drains. These medallions read "Drains to Neponset River". The Towns engineering department teamed with NSP to affix these medallions to the storm drains near problem areas, and high impact areas in Milton. This work was completed by volunteers with the assistance of the towns environmental coordinator.

Targeted Audience: Residents and Businesses

Responsible Department/Parties: Engineering, NSP

Measurable Goal(s):

Message Date(s): Marking began on May 15th, 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 not included in our NOI, as the Town planned to meet outreach requirements through other BMP's

### **BMP: 14 Think Blue "Fowl Weather" Video**

Message Description and Distribution Method:

The NSP partnered with MA Statewide Municipal Stormwater Coalition to secure MassDEP grant funding to distribute "Fowl Weather" advertising campaign, which helps viewers visualize how motor oil, pet waste, and trash become stormwater pollution. The campaign was operated on Facebook, Instagram, and YouTube.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

A total of 499,638 people in the NSP service area.

Message Date(s): May 17 to June 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:

Same as explanation for BMP 4: Summer pet waste campaign, above.

### **BMP: 15 Regional Water Quality Forum**

Message Description and Distribution Method:

The NSP organized a public presentation on data from the 2020 Volunteer Water Quality Monitoring Program. The presentation covered the results from the 2020 sampling season and how they fit into the broader context of long-term water quality trends in the watershed. Also discussed were remaining challenges facing various waterways in the Watershed, and actions individuals can take to address those challenges. Due to COVID protocols, the event was held via Zoom as part of NepRWA's "Watershed Wednesday" series of presentations, which was publicized across the entire NSP service area and drew attendees from numerous communities. Additionally, a recording of the presentation was posted on YouTube.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Deliver detailed site-specific water quality data to interested residents and local officials in addition to general "how to" information for broader audiences. There were 74 registrants for the event and 133 views to date on YouTube.

Message Date(s): January 13th, 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 BMP was made possible by the regional stormwater coalition and it goes above and beyond what Milton planned in 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:**

Through out the reporting period, Milton's SWMP was on the town's stormwater documents page found on the town's website with the following text "All of the Stormwater Management Program documents are open to public comment. To issue a comment, contact the Environmental Coordinator. You may also mail a written comment to the address below. In your comment please note the document to which you are referring.

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:**

The Neponset Stormwater Partnership hosted and organized a watershed wide clean up day held on April 17th, 2021. As well as a smaller community event in Boston on May 1st. Included as part of this clean up was two locations in Milton. This included the marsh behind Riverside Ave. and the other is the marsh heading upstream from Granite Ave. Both of these areas contained high concentrations of plastics and micro plastics. A River clean up day was also hosted by the NSP on September 26th 2020. This involved cleaning up the waterfronts and park lands throughout the Neponset watershed.

The NSP organized a volunteer-based water quality monitoring program with sites located through out the watershed. Ten sites are monitored within the watershed that are tested are located on the river and streams in Milton. Approximately 25 volunteers are involved in the program and it is operated under the terms of a DEP / EPA approved QAPP. The results are used to more meaningfully engage members of the public in implementation of the MS4 program, to better inform municipal IDDE efforts, to track overall progress in restoring stream health and attaining designated uses throughout the watershed, and to provide local data that provides meaningful context for public outreach and education programs.

On Saturday May 1st, the Town of Milton hosted a town wide Green Up Milton Day. This event involved multiple groups around town working toward cleaning up high traffic and littered areas around town. Over 20 groups and multiple individuals spread out to clean up up trash, recycling , and yard waste around town. Some of the locations included spots around Unquity Brook, Pine Tree Brook, public fields, public schools, and

main roads like Blue Hills Parkway and Canton Ave. Educational materials on how to keep Milton's water ways clean was distributed to call group leaders via email. Hard copies were distributed to the Pine Tree Brook Neighborhoods Association (largest group that participated).

### **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:

We have completed Phase 1 of the MS4 System Mapping - marked as incomplete last year.

#### **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:

A total of 227 outfalls have been screened throughout the town. On February 3rd, 2021. SDE provided the town with its final updated outfall screening report and prioritization.

**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:*

The town used the total linear footage of drain owned by Town of Milton minus the CB laterals (356,424 linear feet). Then found the assumed footage for the catchments that have been investigated (OF0113, IN0021, OF0026, OF0190, OF0159, OF0091, OF0075, OF0028, OF0226, OF0084, OF0106, IN0015, OF0038, OF0064, OF0077, OF0107, OF0090 and OF008) which came to a total of 76,329 linear feet. So based on this metric approximately 21% of the system has been investigated.

**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:

From the date of the permit submittal, four additional illicit discharges have been identified since last years permit report, one of which was identified between the reporting period of July 1st 2020 and June 30th 2021. The town of Milton began its catchment investigation with SDE in May of 2021. The first illicit discharge since this start of this work was identified on June 23rd, 2021. This illicit discharge is located at 25 Bonad Rd. SDE field crew preformed dye testing with the result of dye in both the drain and the sewer, and after a few minutes it was observed in the storm drain. The property owner was notified of the issue and on August 5th, 2021, the properties lateral service was CCTV'd and no issues where found. This lead the town to believe that there was an issue with the towns drain and sewer lines. The town will be conducting cured in place lining within the sewer line on this street in response to the issue. A repeat test will be performed on the same property once the work is complete.

Three additional illicit discharges have been discovered since the reporting period end date, listed below. The town is in the process of scheduling a time to CCTV these properties to address the issues.

- 100 Whittier Rd: Field crew conducted a dye test on a 1st floor toilet at 100 Whittier Rd in the area tributary to outfall OF0159. The crew waited at sanitary sewer manhole G-13-68 and drain manhole MH1066 for one hour. Both pipes were observed flowing (the sewer was flowing much more quickly than the drain). After the hour, no dye had been seen in either the sewer or the drain. The crew moved on and returned approximately 3 hours later (4 hours after initial test) and rechecked the sewer and drain. The dye was observed in the drain.

- 12-14 Virginia St: Field crew conducted a dye test on the second floor toilet on the 14 side of 12-14 Virginia St. The dye was seen entering into drain manhole MH1642 from the SE inlet (pipe from MH0522) 10 minutes after it was flushed. The dye was seen 5 minutes later (15 minutes after it was flushed) in sanitary sewer manhole DI-01-32. The dye entered the MH from the SE inlet (pipe from DI-01-32A). The dye was seen in the drain first and then the sewer. The dye was brighter in the drain than it was in the sewer. It is unclear exactly what is going on here but the most likely thing is that the lateral is damaged and is leaking into the drain. Based on the results it is possible that the lateral is directly connected to the drain and leaking into the sewer but that is less likely. A dye test was conducted on the sewer on Virginia St to determine if the issue found at 12-14 Virginia St was an issue related to the sewer infrastructure in the street or if it was directly related to the lateral for 12-14 Virginia St. Dye was poured into the sanitary manhole DI-01-58 (see below). No dye was seen in the storm drain. It appears that the issue here is related to the lateral for 12-14 Virginia St.

- 23 Parkwood Dr: Dye test was performed on two sanitary sewer pipes that go into the wall of the basement. The main stack goes into the wall at the front of the building and the basement washing machine goes into the wall at the back of the building. A dye test was performed in both locations. Dye appeared in CB2771 fairly quickly after test was performed. This location is on septic.

Last years reporting period listed that three (3) illicit discharges were identified and removed. This is incorrect, as these illicit discharges that were identified were SSO's. This edit has been made to this years report. The illicit discharges identified in this report relates only to this report period.

**Employee Training**

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

The Neponset Stormwater Partnership provided IDDE training to Milton staff via a Zoom presentation. This training covered identifying and reporting illicit discharges as well as some general information on IDDE activities being conducted by 3rd parties. All of Milton DPW Engineering staff and DPW field crew attended this training on March 25, 2021.

**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:

Number of site plan reviews relates to the number of applications received by the planning department that trigger the minimum threshold for impervious surfaces within the reporting period.

Number of inspections completed relates to the number of storm water permits received and reviewed within the reporting period.

**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:

The stormwater bylaw states "Projects more than one acre of land shall prepare and submit to DPW for approval a Stormwater Management Plan" with elements including "x) A narrative description of proposed measures for permanent management and treatment of stormwater; (y) Structural details for all components of the proposed drainage systems and stormwater management facilities; and, (z) A written program of documented inspections and maintenance of the stormwater management systems and a corrective action

program for identified deficiencies." In addition, the town requires a \$2,500 As-Built deposit, which is refunded upon the satisfactory completion of the work and submission of all as-built plans to the Town Engineer.

### **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:

This assessment has not been started.

### **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:

This assessment has not been started.

### **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:

A 604(b) grant was awarded to the Town of Milton to hire a consultant to identify site in town that were suitable for retrofitting with structural storm water BMP's. Four potential site were collected and conceptual designs for BMP's at those site were created to restore and maintain primary contact recreation and other designated uses. Of these four conceptual site designs, the town has made progress towards final design and construction on four of them.

The first site is located at the Milton Police Department. In 2018 the town was awarded a CZM CPR grant to complete the final design and construction of a stormwater BMP. Work was completed in June of 2019.

The second site is located on a parcel owned by the Milton Parks Department referred to as Algerine Corner. The town was awarded a CZM CPR in 2020 to complete a final design of an infiltration basin on the property. This design was finalized in June of 2021 and additional funding has been sought for the construction of the project.

The third site is located on Milton Public School property behind the Collict Elementary School. The town was just awarded a grant in 2021 to update the conceptual design of an infiltration basin to a final design.

Outside of this initial inventory, the Milton Fire Department will be starting reconstruction on all three of their stations. These new facilities include rain gardens within their design plans, as well as detention ponds. A detention pond will also be designed into a new parking lot located on town property.

### 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:

Any catch basin with a sump more than 50% full on two consecutive inspections will be added to an optimization list to be inspected annually and cleaned at that time if found to be more than 25% full. The Town is working on integrating the optimization list into our GIS system which is the mechanism used to dictate the cleaning schedule.

#### **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:

The Stormwater Pollution Prevention Plans were deferred from last years permit report due to staffing changes and COVID-19. The SWPPP have since been completed for the DPW yard and the Milton Cemetery, and inspection reports have been shared with both the DPW Operations Manager and the Cemetery Superintendent. Inspections will be completed four times a year, once each quarter, for each site location in

future reporting years.

## **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):

Under the heading "2019-2020 Water Quality Reports for NSP Towns (Neponset Watershed only)" on <https://yourcleanwater.org/water-issues/>.

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:

The Neponset Stormwater Partnership continued to Organized a volunteer-based water quality monitoring program with sites in Milton, among other towns. Approximately 25 volunteers are involved in the program and it is operated under the terms of a DEP / EPA approved QAPP. The NSP organized data from the 2019 Volunteer Water Quality Monitoring Program into a town-specific for Milton.

### **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 Town of Milton participated in the meetings of the MA Statewide Municipal Stormwater Coalition (Statewide Coalition) during the project period.

### **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:

The town annual Earth Day event at the Wakefield estates was canceled for the second year in a row due to COVID 19. At this event the environmental coordinator will typically have a table to distribute material and discuss yard waste disposal and best practices with the public. Instead, a table was set up during the Milton Green up day with the Pine Tree Brook Neighborhood Association. Roughly 50 residents participated in the clean up with this group. These residents live along the Pine Tree Brook, and flyers were distributed with information on how to keep Milton's water ways clean.

### **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:  Title:

Signature:  Digitally signed by Chase Berkeley  
Date: 2021.09.28 09:26:23 -04'00' Date:

*[Signatory may be a duly authorized representative]*