

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

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:

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://foxboroughma.gov/departments/highway/stormwater_management

- 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:

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:

Nitrogen Source Identification Report has been completed and Potential Structural BMPs will be completed by Year 5 as required in Appendix H Section I.

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:

Phosphorus Source Identification Report has been completed and Potential Structural BMPs will be completed by Year 5 as required in Appendix H Section II.

Solids, Oil and Grease (Hydrocarbons), or Metals

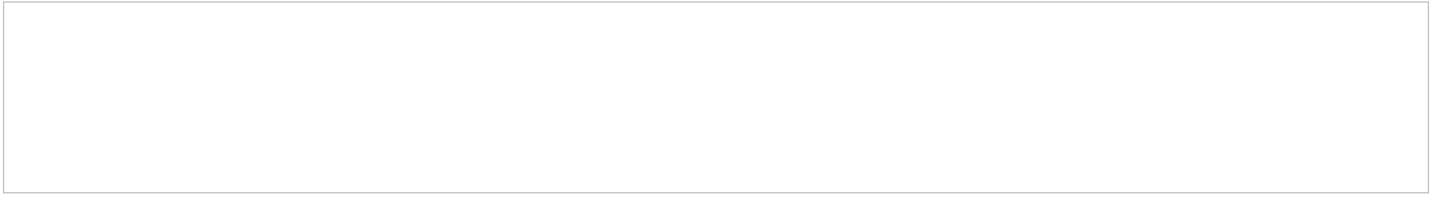
Annual Requirements

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:

We have updated our Stormwater Management Program to reflect the Massachusetts Year 2016 Integrated List of Waters, approved December 2019. The new list identified changes in impairments and segmentation. The added and removed impairments to categories 4 and 5 waters are identified in Appendices 2 and 3 of the 2016 list. An abridged table of relevant receiving waters with updated impairments has been added to the page 5 of the SWMP. An example of one such change is the Neponset River (73-01) which added: DDT in Fish Tissue, Nutrient/Eutrophication Biological Indicators and removed: DDT, Excess Algal Growth, Sedimentation/Siltation, TSS, Turbidity.

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 - Maintain Education Website

Message Description and Distribution Method:

Maintained a comprehensive educational website to serve the Neponset Stormwater Partnership service area as a primary resource for key information for all four target audiences.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

This year, there were 4,386 site visitors and 8,257 page views. This represents a 23% and 47% increase over last year's metrics, respectively.

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 - Operate Stormwater Hotline

Message Description and Distribution Method:

Operated a regional "stormwater hotline" to field questions and problem reports regarding stormwater from across the region. Responses were collected via a website form hosted at yourcleanwater.org, via email submissions to stormwater@neponset.org, and phone calls to 781-575-0354 x 300. Responses included answers to questions, additional information or follow up investigation, and/or referral of inquiries/reports to the appropriate municipalities as appropriate. Anonymity of inquiries was maintained as requested.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Provide immediate answers to inquiries generated by regionalized outreach activities. Seven contacts were made to the stormwater hotline this year. One call reported a flooding issue. The details of the report were forwarded to the proper municipal department for further action. Two calls related specific concerns about a local pollution sources. In both cases, NepRWA initially investigated the calls. One was determined to need no further followup, while the other issue was routed to the proper municipal department for investigation and correction. Four calls were seeking further information in response to outreach materials that were distributed .

Message Date(s): Ongoing since May 1, 2018

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 - Distribute Pet Waste Information With Dog Licenses

Message Description and Distribution Method:

Educational "rack cards" regarding proper pet waste disposal were printed and provided to town clerks' offices in member towns to include with dog license renewal requests, either in person or via mail. In towns where online renewal is either available or the only renewal method offered, online graphics that link to the pet waste page of the NSP website were provided. In one town, a pet waste message was printed directly on the dog license receipts. The following distribution numbers were based on the number of licensed dogs per NSP town. The number of rack cards distributed correlated to the number of dogs licensed per town to ensure all dog owners received the message, although some towns had leftover cards from last year.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Participation by 100% of Town Clerks in order to reach 80% of dog owners annually with pet waste management information. Over the 5-year permit period achieve a reduction in the number of pet waste bags found when cleaning catch basins in the member communities that track this information. All Town Clerks participated in pet waste messaging. A total of 9,100 cards were printed and distributed to Town Clerks. Additionally, a graphic with a link to a "Pet Waste" focused webpage on the YourCleanWater.org website was included for online renewals in the Town of Sharon. Also, the Town of Randolph provided a pet waste message to all dog owners by printing it directly on the license receipt. These methods, along with some leftover cards from the previous year, are estimated to have combined to reach the entire population of dog owners in participating towns.

Message Date(s): Materials were distributed to Town Clerks in December 2020 and disseminated to dog owners as licenses were issued.

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 and Neponset Stormwater Partnership member communities were asked to "share/retweet" it on their own Facebook and/or Twitter accounts. The pet waste section of the NSP website was also updated. Flyers, posters, and postcards were not created this year as their use would have been limited due to COVID protocols. The social media posts were shared on the Foxborough Conservation Commission Facebook page.

Targeted Audience: Residents, Businesses, Industry

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Participation by 100% of NSP communities and reach to at least 1,000 people in the NSP region through social media. All NSP communities participated by redistributing one or more of the social media messages. A total of 35,638 people were reached through Facebook, with an additional 4,169 people reached through Twitter.

Message Date(s): July 2 and July 6, 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: 5 - Fall Leaf Waste Campaign

Message Description and Distribution Method:

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 and Neponset Stormwater Partnership member communities were asked to "share/retweet" it to their own Facebook and/or Twitter accounts. The leaf and yard waste section of the NSP website was updated with detailed local information on yard waste disposal options. Electronic copies of flyers with yard waste collection information specific to each Town were made available. Additionally, Facebook ads regarding yard waste were created and run in Towns who chose to participate.

Targeted Audience: Residents, Businesses, Industry

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Participation by 100% of NSP communities and reach to at least 1,000 people in the NSP region through social media.

Results: All NSP communities participated by redistributing one or more of the campaign materials, or by using previously prepared town materials, with most communities participating in multiple distribution methods. The social media posts reached a total of 11,079 people through Facebook and 2,624 people through Twitter. Additionally, Facebook ads reached a total of 57,968 people throughout participating Towns. The Foxborough social media message was shared on the Town DPW's Facebook page. Facebook ads were also used to reach 5,658 people.

Message Date(s): September 23, 2020 and October 8-18, 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: 6 - Spring Fertilizer and Grass Clipping Campaign

Message Description and Distribution Method:

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. Social media posts were made on the Neponset River Watershed Association's Facebook and Twitter Accounts and Neponset Stormwater Partnership member communities were asked to "share/retweet" it to their own Facebook and/or Twitter accounts. The fertilizer and lawn care section of the NSP website was updated, along with the NSP's "fertilizer calculator" that allows a user to enter several pieces of information and returns a suggested fertilizer application rate based on guidance from the NEIWPCC Northeast Voluntary Turf Fertilizer Initiative. Additionally, Facebook ads regarding fertilizer and lawn maintenance were created and run in Towns who chose to participate.

Targeted Audience: Residents, Businesses, Industry

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Participation by 100% of NSP communities and reach to at least 1,000 people in the NSP region through social media. NSP communities participated by redistributing one or more of the campaign materials with most communities participating in multiple distribution methods. A total of 5,736 people were reached through Facebook, with an additional 2,886 people reached through Twitter. Additionally, Facebook ads reached a total of 69,979 people throughout participating Towns. The social media post was shared on the Town Facebook and Twitter pages. Facebook ads also reached 5,201 people.

Message Date(s): April 8-18, 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: 7 - School Outreach Program

Message Description and Distribution Method:

Due to COVID-19, all lessons had to take place on-line over Zoom or Google Meet. 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 one (Quincy) or two (Foxborough, Milton, Canton, Sharon, Stoughton, Dedham and Westwood), 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. In addition to the elementary program a limited number of high school level programs were conducted in Canton and Quincy, wherein the watershed educator met several times on-line with art or media classes to educate them about stormwater and engage them in creating original artwork or outreach materials of their own design that are then shared with the community. Due to COVID-19 limitations, students in both Canton and Quincy focused on digital posters that were shared with the public via social media and websites.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Reach at least 80% of households with 5th grade children in participating communities, and 100% positive feedback from participating classroom teachers. During the 2020-2021 school year a total of 118 classrooms were visited once and 69 classrooms were visited twice, representing 86% of total 5th grade classrooms in the participating communities and an estimated 2,500 families. Feedback from teachers was exceedingly positive for the on-line presentations and materials.

Message Date(s): September 2020 through June 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: 8 - Regional Education Mailing

Message Description and Distribution Method:

An educational mailing was prepared and mailed to all addresses in participating communities. The mailing was an 11 x17 trifold brochure that highlighted general stormwater pollution prevention tips. The mail piece referenced key information on fertilizer, lawn maintenance, methods to reduce stormwater runoff, and referred readers to additional information available at yourcleanwater.org and the stormwater hotline. The mailing was distributed to all business and residential addresses in the participating communities (Avon, Canton, Dedham, Foxborough, Medfield, Milton, Norwood Randolph, Sharon, Stoughton and Westwood) totaling

just over 103,000 mailing addresses in all.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Reach 100% of addresses in participating towns, 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 (103,077 addresses total).

Message Date(s): June 28, 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: 9 - Outreach to Septic System Owners

Message Description and Distribution Method:

Prepared an outreach campaign directed at all septic system owners in member communities. Effective outreach was designed to be efficiently delivered to the target audience. The campaign was carried out in different ways in different towns, depending on the prevalence of septic systems within the town. In Canton, Foxborough, Medfield, and Stoughton, septic systems are relatively common, so a rack card was designed and sent to all addresses in the town as a bill stuffer. In Dedham, Milton, Norwood, Quincy, Randolph, and Westwood, septic systems are much less common, so a postcard was designed and sent to all properties that use a septic system, according to the records kept by each town's Board of Health. In Sharon, septic is also nearly universal, and an edition of the Water Department quarterly newsletter was prepared with a septic theme and distributed to all water service customers. All outreach pieces (the rack card, the postcard, and the newsletter) contained similar information regarding the care and maintenance of septic systems.

Targeted Audience: Septic System Owners

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

1,316 postcards were mailed directly to addresses where septic systems are present. Over 19,300 rack cards were printed and included as bill stuffers and sent to all residents in towns where septic systems are common (the exact number is not known since the billing contractor for one town printed the rack cards internally). Lastly, a town-wide, septic-themed newsletter was sent to all residents of Sharon. These methods reached 100% of the known septic systems in each town.

Message Date(s): March 2021 (various specific dates depending on outreach method, billing cycle, etc.)

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 - "Problem Area" Outreach

Message Description and Distribution Method:

Maintain a list of "problem areas" relying on the knowledge of Town officials as well as communications via the stormwater hotline. Address these "problem areas" with methods designed to correct stormwater pollution problems. Most of the issues were determined to be transient in nature and need ing something at the storm drain to warn potential polluters of the consequences of their actions. Thus, these issues were addressed through storm drain marking.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Respond to identified "problem areas" with methods designed to correct specific pollution-generating behaviors. Three "problem areas" were addressed through storm drain marking this year: Blacknan Road (Canton), Trayer Road (Canton), and Gulliver Street (Milton). Drain marking was completed by volunteers using pre-packed kits. Please see Public Education BMP 11 for more detailed information.

Message Date(s): Spring-Summer 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: 11 - Storm Drain Marking

Message Description and Distribution Method:

A program through which volunteers are able to mark storm drains with educational messages was launched this year, after a successful pilot test last year. The program consists of providing volunteers with all materials and information they need to carry out the task. Aluminum medallions are attached to the curb or pavement adjacent to storm drains using construction adhesive. The medallions have one of 3 messages "No Dumping, Only Rain in the Drain," "Drains to Neponset," or "No Dumping, Drains to Ocean ." Additional medallion variations such as "Drains to Charles" may be developed as the program ramps up. Volunteers are able to pick the areas they'd like to mark, but are encouraged to pick areas with high pedestrian traffic or areas with known issues that can be addressed by storm drain marking (such as the "problem areas" discussed in Public Education BMP 11). Records of which catch basins have been marked are maintained by the NSP.

Targeted Audience: Residents, Businesses, and Institutions

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Continually distribute drain marking kits to interested volunteers.

Message Date(s): Spring-Summer 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: 12 - Think Blue "Fowl Weather" Video

Message Description and Distribution Method:

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):

Reach a significant portion of the NSP service area population with a stormwater awareness message in a highly engaging format. A total of 499,638 people in the NSP service area were reached via 123,472 Facebook/Instagram "impressions." Via YouTube, there were 320,031 impressions. Additionally, there were 56,135 Spanish Language impressions. A survey found that 16% of respondents recalled seeing the campaign, which is slightly down from 2020 results, but within the survey margin of error. Additionally, respondents who saw the ad were more likely to recognize that stormwater directly enters local waterways (50%) than those who did not recall the ad (36%). Finally, those who recall the ad were more likely to describe stormwater has having "major" or "some" impact on waterways (53%) than those who do not recall the ad (27%).

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:

BMP: 13 - Regional Water Quality Forum

Message Description and Distribution Method:

Organized a public presentation on data from the 2020 Volunteer Water Quality Monitoring Program (Public Participation BMP 2). 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. The event was broadcast on Canton Community TV and covered by the Dorchester Reporter.

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. Additionally, a recording of the presentation was uploaded to YouTube, where it has gathered another 133 views to date. Canton Community TV broadcast a recording of the event at 7:00 AM, 1:00 PM, and 7:00 PM daily from 1/21/21 - 1/27/21.

Message Date(s): January 13, 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: 14 - Regional Water Quality Data Reports and Press Releases

Message Description and Distribution Method:

Organized data from the 2020 Volunteer Water Quality Monitoring Program (Public Participation BMP 2) into town specific reports and press releases. These materials were provided to each town to aid in the dissemination of the results of the water quality monitoring program to residents and/or the media.

Targeted Audience: Residents, Businesses, Institutions

Responsible Department/Parties: Neponset Stormwater Partnership

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 were each prepared for all 5 participating towns (Canton, Dedham, Foxborough, Milton, and Westwood).

Message Date(s): Summer 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: 15 - Educational Outreach Evaluation

Message Description and Distribution Method:

Conduct a survey to determine the extent of the public's knowledge regarding stormwater pollution prevention and the impact of the outreach campaigns thus far. The survey also served as an educational opportunity, as information on why a particular answer was correct was revealed after the user submitted their responses. These feedback pieces also contained links to the pertinent webpages on the YourCleanWater.org website. The survey was advertised via social media channels and various municipal email listserves. The intent is to repeat this survey regularly and monitor results over time.

Targeted Audience: Residents, Businesses, Institutions

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Produce results to compare future surveys against. In the results, determine the number of respondents who recall seeing previous NSP outreach materials, and quantify the correct responses to basic stormwater pollution prevention questions. The survey has 184 respondents. Of those, 59 recalled seeing NSP outreach materials on social media. The percentage of respondents who correctly answered the stormwater knowledge questions varied on each inquiry, but was generally about 85%-90%.

Message Date(s): January-March 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: 16 - Stormwater Education Presentations

Message Description and Distribution Method:

Delivered several stormwater-related presentations to various groups of residents. At these events, residents received basic information on stormwater pollution and tips to prevent it around their own residences and places of business. At some presentations, residents were also educated on stormwater utility programs and how they can help to provide the funding needed for stormwater system management, upgrades and enhancements. Due to COVID restrictions, all presentations occurred online via Zoom.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Present pertinent stormwater-related information to gathered groups as the opportunity arises. The following presentations occurred this year:

Stormwater Awareness and Pollution Prevention

September 29, 2020, 7:00 PM (Resident event organized by Canton Library)

November 18, 2020, 12:30 PM (NepRWA Watershed Wednesday event.)

March 11, 2021, 7:00 PM (Resident event organized by Together, Yes and Norwood Library and simulcast on local cable)

Stormwater Funding and Utilities

September 29, 2020, 7:00 PM (Resident event organized by Canton Library)

March 11, 2021, 7:00 PM (Resident event organized by Together, Yes and Norwood Library and simulcast on local cable)

Message Date(s): Throughout the Permit 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: 17 - Business Association Outreach

Message Description and Distribution Method:

Reached out to individual business associations to inquire if they would be able to share stormwater pollution prevention outreach aimed at the general business community with their membership. Provided an outreach piece to the associations that respond affirmatively. The NSP Outreach Committee reviewed and revised the prepared outreach prior to distribution.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Reach out to all known business associations and provide outreach to all who agree to share it. Seven business associations were contacted. Two agreed to share business-focused stormwater outreach pieces. Outreach was created and provided to those two associations (Neponset River Regional Chamber and Quincy Chamber of Commerce).

Message Date(s): Outreach shared on June 29, 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: 18 - Construction Outreach

Message Description and Distribution Method:

Prepared and provided the construction-focused stormwater pollution prevention outreach to interested Conservation Departments. The NSP Outreach Committee reviewed and revised the prepared outreach prior to distribution.

Targeted Audience: Residents

Responsible Department/Parties: Neponset Stormwater Partnership

Measurable Goal(s):

Provide construction-focused stormwater pollution prevention outreach to anyone who expresses interest. An outreach was developed and electronic copies were shared with all Conservation Departments who expressed interest. The outreach piece remains available as needed.

Message Date(s): Outreach distributed on June 29, 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:

Add an Educational Message

MCM2: Public Participation

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

A public hearing for comments and discussion on the Stormwater Management Program was held on January 19, 2021 at the Foxborough Town Hall. SWMP is also posted on the town website for public viewing.

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:**

Public Participation BMP 1: River Clean Up Days

Organized volunteer-based river cleanup events with sites throughout the watershed on September 28, 2020, and April 17, 2021. At the fall event, approximately 300 volunteers worked at 12 locations to remove an estimated 10 tons of trash and debris from various waterways, parks, and wetlands. The spring event expanded even further to include approximately 400 volunteers working at 16 locations to remove an estimated 28 tons of trash and debris.

Public Participation BMP 2: Volunteer Water Quality Monitoring Program

Organized a volunteer-based water quality monitoring program with 41 sites located throughout the Neponset River Watershed. Approximately 60 volunteers are involved in the program and it is operated under the terms of a DEP 1 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.

Public Participation BMP 3: Regional Water Quality Forum

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 74 registrants from numerous communities. Additionally, a recording of the presentation was posted on YouTube, where it has gathered another 133 views. A recording of the presentation was also broadcast by Canton Community TV at 7:00 AM, 1 :00 PM, and 7:00 PM daily from 1/21/21 - 1/27/21 . Lastly, the Dorchester Reporter also wrote an article using the information shared at the presentation.

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:

Mapping is complete and continues to be updated by the town GIS Specialist.

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:

*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:

Of the 277 outfalls inspected, 8 were found to have dry weather flow. Samples were taken by EST Associates Inc. at each location and analyzed Alpha Analytical. None of the samples contained containment levels which would trigger reprioritization for catchment investigation.

IDDE Progress

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

- No illicit discharges were found
- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

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

Number of illicit discharges identified:

Number of illicit discharges removed:

Estimated volume of sewage removed: gallons/day

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

Total number of illicit discharges identified:

Total number of illicit discharges removed:

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

Employee Training

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

MS4 investigation work was performed by the Town Engineer and GIS Specialist. Refresher training was conducted with videos prepared by

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:

Nepsonset Stormwater Partnership
 BMP 1: Existing Bylaw and Regulation Review
 Existing stormwater bylaws and regulations in all member communities were reviewed to assess compliance with current MS4 requirements as well as recommended best practices. Areas where updates were needed were identified and shared with the towns. In some cases, new draft bylaws and regulations were provided. While most updates were delayed due to COVID-related impacts, all but two towns have now completed them.

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:

Report has not yet been completed.

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:

Report has not yet been completed.

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:

Inventory has been completed with assistance from the Neponset Stormwater Partnership.

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:

Catch basin cleaning frequency will be increased so that no sump is more than 50% full at time of cleaning. Any identifiable source of runoff in the surrounding area will be corrected.

Street Sweeping

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

Number of miles cleaned:

Volume of material removed: [Select Units]

Weight of material removed: [Select Units]

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:

Department of Public Works was inspected quarterly as required. Due to the age of the building/site there are various challenges which are being managed to the maximum extent feasible. Capital has been requested to conduct a site feasibility study to evaluate any needed improvements and upgrades.

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: Title:

Signature: Date:

[Signatory may be a duly authorized representative]