

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:

NA

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:

NA

- 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:

Halifax completed a treatment structure inspection training and inspected two structures but staffing limitations interfered with completion of all BMP inspections. Halifax has contracted with an external consultant and made plans to inspect all treatment structures during Permit Year 4.

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:

NA

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:

NA

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:

-Annual message on pet waste was posted on Board of Health Facebook page on 5/12/21 and on the Board of Health webpage: <https://www.halifax-ma.org/board-health/pages/animal-information>. Messages are still available (including during the summer).

-Per Appendix H requirements for discharges to nutrient-impaired waterbodies, Halifax will track and estimate nutrient removal for structural BMPs after developing a list of potential structural BMPs in Permit Year 5.

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:

NA

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:

<p>-Annual message on pet waste was posted on Board of Health Facebook page on 5/12/21 and on the Board of Health webpage: https://www.halifax-ma.org/board-health/pages/animal-information. Messages are still available (including during the summer).</p> <p>-Per Appendix H requirements for discharges to nutrient-impaired waterbodies, Halifax will track and estimate nutrient removal for structural BMPs after developing a list of potential structural BMPs in Permit Year 5.</p>
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Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

<p>-Halifax has now implemented its Stormwater Bylaw (passed Town Meeting in October 2019) and associated Stormwater Regulations (implemented at Conservation Commission hearing on 6/22/21) in accordance with the MS4 permit, with plans to potentially edit these documents in Permit Year 4 for improved clarity.</p> <p>-Halifax has also now implemented its IDDE Bylaw (passed Town Meeting in September 2020).</p>
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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:

In Permit Year 2, receiving waters list was updated for improved accuracy, including updates from the most recent EPA approved Section 303(d) Impaired Waters List. Halifax will make similar updates when the next Section 303(d) Impaired Waters List is approved.

East Monponsett Pond and West Monponsett Pond are now listed as impaired for Chlorophyll-a, and Taunton River segment in Halifax (MA62-01) is now listed as impaired for E. Coli, covered under the Final Pathogen TMDL for the Taunton River Watershed (CN256.0). According to the most recent EPA approved Section 303(d) Impaired Waters List, "Impairment [was] added based on new data/assessment."

These changes are reflected in the SWMP, which Halifax updated and confirmed on 6/30/21.

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: 1.01: Spring Educational Message

Message Description and Distribution Method:

Halifax posted a message ("Stormwater Pollution Prevention: 4 Ways to Use Grass Clippings to Protect Your Water") on the Board of Health Facebook page about stormwater pollution prevention, including information about proper use and disposal of grass clippings and proper use of green waste fertilizer (e.g., phosphorous free).

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

1 like
522 people like and 621 people follow Halifax Board of Health Facebook page
82 people reached
3 engagements

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:1.02: Summer Educational Message

Message Description and Distribution Method:

Halifax posted a message on the Board of Health Facebook page about stormwater, including information about proper management of pet wastes. Halifax posted the same flier, called "Do Your "Doody" for Clean Water," along with other information about proper disposal of pet waste, on the Board of Health web page: <https://www.halifax-ma.org/board-health/pages/animal-information>.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

1 share
 522 people like and 621 people follow Halifax Board of Health Facebook page
 59 people reached
 1 engagement
 1 share

Message Date(s): 5/12/21, 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:

NA

BMP:1.03: Fall Educational Message

Message Description and Distribution Method:

Halifax posted an informational flier message on the Halifax MA Locals and Halifax MA Community Facebook group pages about proper disposal of leaf litter. Halifax posted the same flier on the Board of Health Web Page: <http://www.halifax-ma.org/board-health/news/keep-leaves-out-lakes>

Targeted Audience: Residents, Businesses, institutions and commercial facilities

Responsible Department/Parties: Board of Health

Measurable Goal(s):

4,384 members of Halifax MA Locals and 8,030 members of Halifax MA Community Facebook groups as of posting date

Message Date(s): 9/25/20, 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:

NA

BMP:1.04: Residential and Commercial Educational Messages

Message Description and Distribution Method:

Halifax posted a message with “A Residential Guide to Stormwater” webinar link to Halifax Board of Health website, and the Halifax MA Community Page and Halifax MA Local Facebook groups on issues related to stormwater. The Webinar was scheduled for May 12, 2021, with recordings available following. The Halifax website post can be found at <https://www.halifax-ma.org/home/news/residential-guide-stormwater>.

Halifax Board of Health also regularly posts Facebook messages and website posts about water quality and

stormwater issues.

Targeted Audience: Residents, Businesses, institutions and commercial facilities

Responsible Department/Parties: Board of Health

Measurable Goal(s):

-4,384 members of Halifax MA Locals and 8,030 members of Halifax MA Community Facebook groups as of posting date
 -2 comments, 8 shares, 82 likes, 709+ people reached, 57+ engagements on water quality messages
 -17 water quality messages

Message Date(s): 7/2/20, 7/13/20, 7/15/20, 7/24/20, 8/13/20, 8/13/20, 8/19/20, 8/27/20, 8/31/20, 10/6/20
 4/20/21, 5/24/21, 5/25/21 and 5/27/21, 6/1/21 and 6/2/21, 6/8/21 and 6/10/21, 6/15/21 and 6/17/21, 6/22/21 and 6/24/21, 6/29/21 (and 7/1/21)

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:

NA

BMP:1.05: Industrial Facility Educational Messages

Message Description and Distribution Method:

Halifax posted a Facebook message on the on the Board of Health page about industrial stormwater pollution prevention, including information on Best Management Practices (BMPs), requirements, and general information on industrial pollutants.

Targeted Audience: Industrial facilities

Responsible Department/Parties: Board of Health

Measurable Goal(s):

522 people like and 621 people follow Halifax Board of Health Facebook page.
 61 people reached
 1 engagement

Message Date(s): 5/17/21

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:

Industrial facility message was separated from Developer (construction) message, as its own message type and assigned to the Board of Health after the NOI.

BMP: 1.06: Developer (construction) Educational Messages

Message Description and Distribution Method:

Halifax shared the "Stop Erosion in its Tracks to Keep Our Waters Clean" flyer with the Planning Board for potential distribution to applicants. Halifax will follow-up in Permit Year 4 to ensure distribution.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Board of Health, Planning Board

Measurable Goal(s):

1 message shared with Planning Board

Message Date(s): N/A

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:

Developer (construction) message was separated from Industrial facility message, as its own message type and assigned to the Board of Health and Planning Board after the NOI.

BMP: 1.07: Septic System Owners Educational Message

Message Description and Distribution Method:

Halifax posted a Facebook message on the Board of Health page about septic system maintenance and "Septic Tank Ten Commandments." Halifax posted percolation testing and other septic system information on Board of Health web page: <https://www.halifax-ma.org/board-health/pages/septic-system>. Halifax Board of Health office also handed out "Septic Tank Commandments" fliers to realtors for prospective homebuyers, Title 5 inspectors, and/or residents.

Targeted Audience: Residents

Responsible Department/Parties: Board of Health

Measurable Goal(s):

-522 people like and 621 people follow Halifax Board of Health Facebook page
 -3 likes, 1 comment, 1 share
 -24 flyers to realtors, Title 5 inspectors, and/or residents

Message Date(s): 5/12/21, 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 was not included in NOI because of confusion over permit requirements. Halifax has since clarified and included.

BMP: 1.08: Dog Owner Education

Message Description and Distribution Method:

Halifax Town Clerk's Office provides handouts to dog owners (at the time of licensing) about proper management of dog waste.

Targeted Audience: Residents, dog owners

Responsible Department/Parties: Board of Health Town Clerk

Measurable Goal(s):

~16 handouts given out (Note: Exact timing and metrics are not available for this goal, given staffing inconsistencies. Town Clerk gave out at least 16 handouts, but that value may include handouts after 7/1/21.)

Message Date(s): Ongoing

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP was not included in the NOI because the Taunton River segment in Halifax (MA62-01) is newly impaired for bacteria (E. Coli) since the NOI. Halifax added this requirements in permit year 3, as reflected in the SWMP. According to the latest MA Section 303(d) Impaired Waters List, "Impairment [was] added based on new data/assessment."

Add an Educational Message

MCM2: Public ParticipationDescribe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

Halifax posted its updated SWMP on the Highway Department stormwater web page of the Town website on 6/30/21:

<http://www.halifax-ma.org/highway-department/pages/stormwater>

https://www.halifax-ma.org/sites/g/files/vyhlf4496/f/uploads/stormwater_management_program_-_fy2021.pdf

Halifax also posted an announcement on 6/30/21 about the availability of the SWMP on the Town main web page under the "News and Announcements" section, along with contact information to provide comments.

The SWMP includes contact information for the public to provide comments to the Stormwater Management Program Team (page 4). No comments were received on the SWMP.

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:**

-Halifax conducted outreach around the Stormwater Regulations, including discussions at three Conservation Commission meetings (4/13/21, 5/25/21, and 6/8/21) and a Conservation Commission Public Hearing (6/22/21) to implement the regulations. Halifax coordinated with the Monponsett Watershed Association to encourage attendance by their members at the hearing, and a board member of the organization did attend (BMP 2.05).

-Halifax continues to coordinate with the Monponsett Watershed Association on information sharing (BMP 2.05).

-Halifax posted Monponsett Ponds water quality information on Board of Health Facebook page and web page (BMP 2.02) (see above).

-Halifax held its annual Halifax Cleanup Day on 4/24/21, collecting ~10 yards of trash (2 dumpsters).

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:

Halifax completed the Phase I map by 6/30/20 based on available information and continues to update the Phase I map, as new information is identified and/or new infrastructure is installed.

Screening of Outfalls/Interconnections

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

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

<https://vhb.maps.arcgis.com/apps/webappviewer/index.html?id=c1dfedc2a65545c98761d0ca7b70b30f>

Updated inventory and ranking of outfalls can be found in Table 5-1 (in IDDE Plan):
https://www.halifax-ma.org/sites/g/files/vyhlf4496/f/uploads/stormwater_management_program_-_fy2021.pdf

*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:

Halifax screened all known outfalls by 6/30/21, and will screen additional outfalls as necessary, as new information is identified and/or new infrastructure is installed.

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:

Halifax developed plans to begin catchment investigations in Permit Year 4.

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:

NA

Employee Training

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

An hour-long IDDE training was held on June 11, 2021 for four Halifax Highway Department employees. The training covered stormwater and MS4 basics, stormwater regulatory background, Halifax IDDE Bylaw, what are and how to recognize illicit discharges and SSOs, and how to respond and report, using Halifax app. The Halifax staff met in the Halifax Police Department conference room, and the training was given with a PowerPoint presentation and Q+A and discussion.

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:

While no enforcement actions were taken, two inspections were from complaints of potential environmental impact, and one resident was asked to ensure their sump pump did not go directly into one of the Monponsett Ponds. Another homeowner with a home directly on West Monponsett Pond came before the Board of Health at a public meeting to ensure his septic gets replaced and put on a pumping schedule until such time, due to

septic system breakout.

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:

NA

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:

Halifax completed an assessment of its Zoning Bylaw in reference to this permit requirement (and the green infrastructure report below) and has planned for coordination between this assessment and the Town's Zoning Bylaw review currently underway, regardless of MS4 requirements. Halifax anticipates coordinating potential changes to the Zoning Bylaw through that process. Halifax has plans to complete additional review of remaining relevant Town regulations to complete this permit requirement in Year 4.

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:

Halifax completed an assessment of its Zoning Bylaw in reference to this permit requirement (and the street design and parking lots report above) and has planned for coordination between this assessment and the Town's Zoning Bylaw review currently underway, regardless of MS4 requirements. Halifax anticipates coordinating potential changes to the Zoning Bylaw through that process. Halifax has plans to complete additional review of remaining relevant Town regulations to complete this permit requirement in Year 4.

The assessment of the Zoning Bylaw found that the Zoning Bylaw does not overtly impede the green infrastructure practices referenced in this requirement, and the assessment included additional recommendations to potentially further reduce impediments to green infrastructure.

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:

Halifax conducted a review of previous work completed by the Town as part of a 2015 grant, to understand if

the designs completed under that grant can comply with the MS4 permit and be used as four of the five minimum Town-owned sites that can potentially be retrofitted with BMPs. Following the review of the grant work and the MS4 permit, four high priority outfall designs from the grant, with modifications to where the system for one is installed, should meet the permit requirements referenced above and can be the first four of the minimum five permittee owned properties that can be modified or retrofitted with BMPs. In addition, the grant also included prioritization of all the outfalls discharging to the Monponsett Ponds that can assist in identifying the additional site(s) required to be identified. Halifax has plans to conduct follow-up work in Permit Year 4 to complete this requirement.

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:

None identified.

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:

NA

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:

Please see SWMP for BMP modifications:

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:

Please see above.

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:

NA

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]